Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		83.00000	-109.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-109.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-109.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-109.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-109.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-109.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-109.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-109.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-109.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-109.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-109.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-109.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-109.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-109.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-109.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-109.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-109.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-109.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-

Oasys
3-6 Spring Place, London
Combined

GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)

Job No. J16143 | Sheet No. | Rev.
Drg. Ref.
Made by JD | Date 23-Aug-2016 | Checked

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		62.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-108.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		41.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-107.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		20.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-106.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		-1.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-105.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-

Oasys
GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)
3-6 Spring Place, London
Combined

Job No.	Sheet No.	Rev.
J16143		
Drg. Ref.		
Made by JD	Date 23-Aug-2016	Checked

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		-22.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-104.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		-43.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		87.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-103.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-102.00000	0.00000	0.0	0.0	0.019530	-	-	-
		-6.00000	-102.00000	0.00000	0.0	0.0	0.054304	-	-	-
		-5.00000	-102.00000	0.00000	0.0	0.0	0.081594	-	-	-
		-4.00000	-102.00000	0.00000	0.0	0.0	0.10089	-	-	-
		-3.00000	-102.00000	0.00000	0.0	0.0	0.11170	-	-	-
		-2.00000	-102.00000	0.00000	0.0	0.0	0.12961	-	-	-
		-1.00000	-102.00000	0.00000	0.0	0.0	0.13045	-	-	-
		0.00000	-102.00000	0.00000	0.0	0.0	0.13129	-	-	-
		1.00000	-102.00000	0.00000	0.0	0.0	0.13213	-	-	-
		2.00000	-102.00000	0.00000	0.0	0.0	0.13297	-	-	-
		3.00000	-102.00000	0.00000	0.0	0.0	0.13381	-	-	-
		4.00000	-102.00000	0.00000	0.0	0.0	0.13465	-	-	-
		5.00000	-102.00000	0.00000	0.0	0.0	0.13549	-	-	-
		6.00000	-102.00000	0.00000	0.0	0.0	0.13633	-	-	-
		7.00000	-102.00000	0.00000	0.0	0.0	0.13717	-	-	-
		8.00000	-102.00000	0.00000	0.0	0.0	0.13801	-	-	-
		9.00000	-102.00000	0.00000	0.0	0.0	0.13885	-	-	-
		10.00000	-102.00000	0.00000	0.0	0.0	0.13969	-	-	-
		11.00000	-102.00000	0.00000	0.0	0.0	0.14053	-	-	-
		12.00000	-102.00000	0.00000	0.0	0.0	0.14137	-	-	-
		13.00000	-102.00000	0.00000	0.0	0.0	0.14221	-	-	-
		14.00000	-102.00000	0.00000	0.0	0.0	0.14305	-	-	-
		15.00000	-102.00000	0.00000	0.0	0.0	0.14389	-	-	-
		16.00000	-102.00000	0.00000	0.0	0.0	0.14473	-	-	-
		17.00000	-102.00000	0.00000	0.0	0.0	0.14556	-	-	-
		18.00000	-102.00000	0.00000	0.0	0.0	0.14640	-	-	-
		19.00000	-102.00000	0.00000	0.0	0.0	0.14724	-	-	-
		20.00000	-102.00000	0.00000	0.0	0.0	0.14808	-	-	-
		21.00000	-102.00000	0.00000	0.0	0.0	0.14892	-	-	-
		22.00000	-102.00000	0.00000	0.0	0.0	0.14976	-	-	-
		23.00000	-102.00000	0.00000	0.0	0.0	0.10092	-	-	-
		24.00000	-102.00000	0.00000	0.0	0.0	0.096053	-	-	-
		25.00000	-102.00000	0.00000	0.0	0.0	0.084602	-	-	-
		26.00000	-102.00000	0.00000	0.0	0.0	0.066993	-	-	-
		27.00000	-102.00000	0.00000	0.0	0.0	0.043684	-	-	-
		28.00000	-102.00000	0.00000	0.0	0.0	0.015153	-	-	-
		29.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		66.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-102.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-101.00000	0.00000	0.0	0.0	0.025619	-	-	-
		-9.00000	-101.00000	0.00000	0.0	0.0	0.084907	-	-	-
		-8.00000	-101.00000	0.00000	0.0	0.0	0.13520	-	-	-
		-7.00000	-101.00000	0.00000	0.0	0.0	0.18061	-	-	-
		-6.00000	-101.00000	0.00000	0.0	0.0	0.21928	-	-	-
		-5.00000	-101.00000	0.00000	0.0	0.0	0.25022	-	-	-
		-4.00000	-101.00000	0.00000	0.0	0.0	0.27284	-	-	-
		-3.00000	-101.00000	0.00000	0.0	0.0	0.28658	-	-	-
		-2.00000	-101.00000	0.00000	0.0	0.0	0.32961	-	-	-
		-1.00000	-101.00000	0.00000	0.0	0.0	0.33045	-	-	-
		0.00000	-101.00000	0.00000	0.0	0.0	0.33129	-	-	-
		1.00000	-101.00000	0.00000	0.0	0.0	0.33213	-	-	-
		2.00000	-101.00000	0.00000	0.0	0.0	0.33297	-	-	-
		3.00000	-101.00000	0.00000	0.0	0.0	0.33381	-	-	-
		4.00000	-101.00000	0.00000	0.0	0.0	0.33465	-	-	-
		5.00000	-101.00000	0.00000	0.0	0.0	0.33549	-	-	-
		6.00000	-101.00000	0.00000	0.0	0.0	0.33633	-	-	-
		7.00000	-101.00000	0.00000	0.0	0.0	0.33717	-	-	-
		8.00000	-101.00000	0.00000	0.0	0.0	0.33800	-	-	-
		9.00000	-101.00000	0.00000	0.0	0.0	0.33884	-	-	-
		10.00000	-101.00000	0.00000	0.0	0.0	0.33968	-	-	-
		11.00000	-101.00000	0.00000	0.0	0.0	0.34052	-	-	-
		12.00000	-101.00000	0.00000	0.0	0.0	0.34136	-	-	-
		13.00000	-101.00000	0.00000	0.0	0.0	0.34220	-	-	-
		14.00000	-101.00000	0.00000	0.0	0.0	0.34304	-	-	-
		15.00000	-101.00000	0.00000	0.0	0.0	0.34388	-	-	-
		16.00000	-101.00000	0.00000	0.0	0.0	0.34472	-	-	-
		17.00000	-101.00000	0.00000	0.0	0.0	0.34556	-	-	-
		18.00000	-101.00000	0.00000	0.0	0.0	0.34640	-	-	-
		19.00000	-101.00000	0.00000	0.0	0.0	0.34724	-	-	-
		20.00000	-101.00000	0.00000	0.0	0.0	0.34808	-	-	-
		21.00000	-101.00000	0.00000	0.0	0.0	0.34892	-	-	-
		22.00000	-101.00000	0.00000	0.0	0.0	0.34976	-	-	-
		23.00000	-101.00000	0.00000	0.0	0.0	0.23496	-	-	-
		24.00000	-101.00000	0.00000	0.0	0.0	0.22746	-	-	-
		25.00000	-101.00000	0.00000	0.0	0.0	0.21305	-	-	-
		26.00000	-101.00000	0.00000	0.0	0.0	0.19222	-	-	-
		27.00000	-101.00000	0.00000	0.0	0.0	0.16551	-	-	-
		28.00000	-101.00000	0.00000	0.0	0.0	0.13345	-	-	-
		29.00000	-101.00000	0.00000	0.0	0.0	0.096588	-	-	-
		30.00000	-101.00000	0.00000	0.0	0.0	0.055449	-	-	-
		31.00000	-101.00000	0.00000	0.0	0.0	0.010539	-	-	-
		32.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-

Oasys
GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)
3-6 Spring Place, London
Combined

Job No.	Sheet No.	Rev.
J16143		

Drg. Ref.

Made by	Date	Checked
JD	23-Aug-2016	

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		45.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-101.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-100.00000	0.00000	0.0	0.0	0.032875	-	-	-
		-11.00000	-100.00000	0.00000	0.0	0.0	0.11166	-	-	-
		-10.00000	-100.00000	0.00000	0.0	0.0	0.18149	-	-	-
		-9.00000	-100.00000	0.00000	0.0	0.0	0.24204	-	-	-
		-8.00000	-100.00000	0.00000	0.0	0.0	0.29307	-	-	-
		-7.00000	-100.00000	0.00000	0.0	0.0	0.34004	-	-	-
		-6.00000	-100.00000	0.00000	0.0	0.0	0.38301	-	-	-
		-5.00000	-100.00000	0.00000	0.0	0.0	0.41799	-	-	-
		-4.00000	-100.00000	0.00000	0.0	0.0	0.44429	-	-	-
		-3.00000	-100.00000	0.00000	0.0	0.0	0.46130	-	-	-
		-2.00000	-100.00000	0.00000	0.0	0.0	0.52961	-	-	-
		-1.00000	-100.00000	0.00000	0.0	0.0	0.53044	-	-	-
		0.00000	-100.00000	0.00000	0.0	0.0	0.53128	-	-	-
		1.00000	-100.00000	0.00000	0.0	0.0	0.53212	-	-	-
		2.00000	-100.00000	0.00000	0.0	0.0	0.53296	-	-	-
		3.00000	-100.00000	0.00000	0.0	0.0	0.53380	-	-	-
		4.00000	-100.00000	0.00000	0.0	0.0	0.53464	-	-	-
		5.00000	-100.00000	0.00000	0.0	0.0	0.53548	-	-	-
		6.00000	-100.00000	0.00000	0.0	0.0	0.53632	-	-	-
		7.00000	-100.00000	0.00000	0.0	0.0	0.53716	-	-	-
		8.00000	-100.00000	0.00000	0.0	0.0	0.53800	-	-	-
		9.00000	-100.00000	0.00000	0.0	0.0	0.53884	-	-	-
		10.00000	-100.00000	0.00000	0.0	0.0	0.53968	-	-	-
		11.00000	-100.00000	0.00000	0.0	0.0	0.54052	-	-	-
		12.00000	-100.00000	0.00000	0.0	0.0	0.54136	-	-	-
		13.00000	-100.00000	0.00000	0.0	0.0	0.54220	-	-	-
		14.00000	-100.00000	0.00000	0.0	0.0	0.54304	-	-	-
		15.00000	-100.00000	0.00000	0.0	0.0	0.54388	-	-	-
		16.00000	-100.00000	0.00000	0.0	0.0	0.54472	-	-	-
		17.00000	-100.00000	0.00000	0.0	0.0	0.54556	-	-	-
		18.00000	-100.00000	0.00000	0.0	0.0	0.54640	-	-	-
		19.00000	-100.00000	0.00000	0.0	0.0	0.54724	-	-	-
		20.00000	-100.00000	0.00000	0.0	0.0	0.54808	-	-	-
		21.00000	-100.00000	0.00000	0.0	0.0	0.54892	-	-	-
		22.00000	-100.00000	0.00000	0.0	0.0	0.54976	-	-	-
		23.00000	-100.00000	0.00000	0.0	0.0	0.36901	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		24.00000	-100.00000	0.00000	0.0	0.0	0.35857	-	-	-
		25.00000	-100.00000	0.00000	0.0	0.0	0.34087	-	-	-
		26.00000	-100.00000	0.00000	0.0	0.0	0.31648	-	-	-
		27.00000	-100.00000	0.00000	0.0	0.0	0.28600	-	-	-
		28.00000	-100.00000	0.00000	0.0	0.0	0.25007	-	-	-
		29.00000	-100.00000	0.00000	0.0	0.0	0.20930	-	-	-
		30.00000	-100.00000	0.00000	0.0	0.0	0.16428	-	-	-
		31.00000	-100.00000	0.00000	0.0	0.0	0.11557	-	-	-
		32.00000	-100.00000	0.00000	0.0	0.0	0.063687	-	-	-
		33.00000	-100.00000	0.00000	0.0	0.0	0.0090863	-	-	-
		34.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-100.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-99.00000	0.00000	0.0	0.0	0.10724	-	-	-
		-12.00000	-99.00000	0.00000	0.0	0.0	0.18464	-	-	-
		-11.00000	-99.00000	0.00000	0.0	0.0	0.26588	-	-	-
		-10.00000	-99.00000	0.00000	0.0	0.0	0.33770	-	-	-
		-9.00000	-99.00000	0.00000	0.0	0.0	0.39972	-	-	-
		-8.00000	-99.00000	0.00000	0.0	0.0	0.45162	-	-	-
		-7.00000	-99.00000	0.00000	0.0	0.0	0.49755	-	-	-
		-6.00000	-99.00000	0.00000	0.0	0.0	0.54526	-	-	-
		-5.00000	-99.00000	0.00000	0.0	0.0	0.58473	-	-	-
		-4.00000	-99.00000	0.00000	0.0	0.0	0.61516	-	-	-
		-3.00000	-99.00000	0.00000	0.0	0.0	0.63582	-	-	-
		-2.00000	-99.00000	0.00000	0.0	0.0	0.72960	-	-	-
		-1.00000	-99.00000	0.00000	0.0	0.0	0.73044	-	-	-
		0.00000	-99.00000	0.00000	0.0	0.0	0.73128	-	-	-
		1.00000	-99.00000	0.00000	0.0	0.0	0.73212	-	-	-
		2.00000	-99.00000	0.00000	0.0	0.0	0.73296	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		3.00000	-99.00000	0.00000	0.0	0.0	0.73380	-	-	-
		4.00000	-99.00000	0.00000	0.0	0.0	0.73464	-	-	-
		5.00000	-99.00000	0.00000	0.0	0.0	0.73548	-	-	-
		6.00000	-99.00000	0.00000	0.0	0.0	0.73632	-	-	-
		7.00000	-99.00000	0.00000	0.0	0.0	0.73716	-	-	-
		8.00000	-99.00000	0.00000	0.0	0.0	0.73800	-	-	-
		9.00000	-99.00000	0.00000	0.0	0.0	0.73884	-	-	-
		10.00000	-99.00000	0.00000	0.0	0.0	0.73968	-	-	-
		11.00000	-99.00000	0.00000	0.0	0.0	0.74052	-	-	-
		12.00000	-99.00000	0.00000	0.0	0.0	0.74136	-	-	-
		13.00000	-99.00000	0.00000	0.0	0.0	0.74220	-	-	-
		14.00000	-99.00000	0.00000	0.0	0.0	0.74304	-	-	-
		15.00000	-99.00000	0.00000	0.0	0.0	0.74388	-	-	-
		16.00000	-99.00000	0.00000	0.0	0.0	0.74472	-	-	-
		17.00000	-99.00000	0.00000	0.0	0.0	0.74556	-	-	-
		18.00000	-99.00000	0.00000	0.0	0.0	0.74640	-	-	-
		19.00000	-99.00000	0.00000	0.0	0.0	0.74724	-	-	-
		20.00000	-99.00000	0.00000	0.0	0.0	0.74808	-	-	-
		21.00000	-99.00000	0.00000	0.0	0.0	0.74892	-	-	-
		22.00000	-99.00000	0.00000	0.0	0.0	0.74976	-	-	-
		23.00000	-99.00000	0.00000	0.0	0.0	0.50307	-	-	-
		24.00000	-99.00000	0.00000	0.0	0.0	0.48933	-	-	-
		25.00000	-99.00000	0.00000	0.0	0.0	0.46794	-	-	-
		26.00000	-99.00000	0.00000	0.0	0.0	0.43957	-	-	-
		27.00000	-99.00000	0.00000	0.0	0.0	0.40493	-	-	-
		28.00000	-99.00000	0.00000	0.0	0.0	0.36474	-	-	-
		29.00000	-99.00000	0.00000	0.0	0.0	0.31971	-	-	-
		30.00000	-99.00000	0.00000	0.0	0.0	0.27049	-	-	-
		31.00000	-99.00000	0.00000	0.0	0.0	0.21771	-	-	-
		32.00000	-99.00000	0.00000	0.0	0.0	0.16193	-	-	-
		33.00000	-99.00000	0.00000	0.0	0.0	0.10363	-	-	-
		34.00000	-99.00000	0.00000	0.0	0.0	0.043261	-	-	-
		35.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-99.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		-18.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-98.00000	0.00000	0.0	0.0	0.058649	-	-	-
		-14.00000	-98.00000	0.00000	0.0	0.0	0.16700	-	-	-
		-13.00000	-98.00000	0.00000	0.0	0.0	0.27535	-	-	-
		-12.00000	-98.00000	0.00000	0.0	0.0	0.33616	-	-	-
		-11.00000	-98.00000	0.00000	0.0	0.0	0.42018	-	-	-
		-10.00000	-98.00000	0.00000	0.0	0.0	0.49429	-	-	-
		-9.00000	-98.00000	0.00000	0.0	0.0	0.55801	-	-	-
		-8.00000	-98.00000	0.00000	0.0	0.0	0.61094	-	-	-
		-7.00000	-98.00000	0.00000	0.0	0.0	0.65281	-	-	-
		-6.00000	-98.00000	0.00000	0.016895	0.072989	0.72292	-	-	-
		-5.00000	-98.00000	0.00000	0.022642	0.13612	0.77762	-	-	-
		-4.00000	-98.00000	0.00000	0.018425	0.18204	0.81922	-	-	-
		-3.00000	-98.00000	0.00000	0.0075139	0.20825	0.84753	-	-	-
		-2.00000	-98.00000	0.00000	0.0010204	0.24300	0.97302	-	-	-
		-1.00000	-98.00000	0.00000	0.0010270	0.24458	0.97406	-	-	-
		0.00000	-98.00000	0.00000	0.0010336	0.24615	0.97510	-	-	-
		1.00000	-98.00000	0.00000	0.0010402	0.24772	0.97614	-	-	-
		2.00000	-98.00000	0.00000	0.0010468	0.24930	0.97718	-	-	-
		3.00000	-98.00000	0.00000	0.0010534	0.25087	0.97822	-	-	-
		4.00000	-98.00000	0.00000	0.0010600	0.25245	0.97926	-	-	-
		5.00000	-98.00000	0.00000	0.0010667	0.25402	0.98030	-	-	-
		6.00000	-98.00000	0.00000	0.0010733	0.25560	0.98134	-	-	-
		7.00000	-98.00000	0.00000	0.0010799	0.25717	0.98238	-	-	-
		8.00000	-98.00000	0.00000	0.0010865	0.25875	0.98342	-	-	-
		9.00000	-98.00000	0.00000	0.0010931	0.26032	0.98445	-	-	-
		10.00000	-98.00000	0.00000	0.0010997	0.26190	0.98549	-	-	-
		11.00000	-98.00000	0.00000	0.0011063	0.26347	0.98653	-	-	-
		12.00000	-98.00000	0.00000	0.0011129	0.26505	0.98756	-	-	-
		13.00000	-98.00000	0.00000	0.0011195	0.26662	0.98860	-	-	-
		14.00000	-98.00000	0.00000	0.0011262	0.26819	0.98963	-	-	-
		15.00000	-98.00000	0.00000	0.0011328	0.26977	0.99067	-	-	-
		16.00000	-98.00000	0.00000	0.0011394	0.27134	0.99170	-	-	-
		17.00000	-98.00000	0.00000	0.0011460	0.27292	0.99273	-	-	-
		18.00000	-98.00000	0.00000	0.0011526	0.27449	0.99376	-	-	-
		19.00000	-98.00000	0.00000	0.0011592	0.27607	0.99480	-	-	-
		20.00000	-98.00000	0.00000	0.0011658	0.27764	0.99583	-	-	-
		21.00000	-98.00000	0.00000	0.0011724	0.27922	0.99686	-	-	-
		22.00000	-98.00000	0.00000	0.0011791	0.28079	0.99789	-	-	-
		23.00000	-98.00000	0.00000	446.85E-6	0.18925	0.66953	-	-	-
		24.00000	-98.00000	0.00000	-0.011217	0.17742	0.65047	-	-	-
		25.00000	-98.00000	0.00000	-0.019286	0.14972	0.62135	-	-	-
		26.00000	-98.00000	0.00000	-0.021019	0.10812	0.58275	-	-	-
		27.00000	-98.00000	0.00000	-0.014276	0.054911	0.53491	-	-	-
		28.00000	-98.00000	0.00000	0.0	0.0	0.47712	-	-	-
		29.00000	-98.00000	0.00000	0.0	0.0	0.42742	-	-	-
		30.00000	-98.00000	0.00000	0.0	0.0	0.37366	-	-	-
		31.00000	-98.00000	0.00000	0.0	0.0	0.31653	-	-	-
		32.00000	-98.00000	0.00000	0.0	0.0	0.25663	-	-	-
		33.00000	-98.00000	0.00000	0.0	0.0	0.19447	-	-	-
		34.00000	-98.00000	0.00000	0.0	0.0	0.13052	-	-	-
		35.00000	-98.00000	0.00000	0.0	0.0	0.065127	-	-	-
		36.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-98.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		-39.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-97.00000	0.00000	0.0	0.0	0.010062	-	-	-
		-16.00000	-97.00000	0.00000	0.0	0.0	0.11841	-	-	-
		-15.00000	-97.00000	0.00000	0.0	0.0	0.22676	-	-	-
		-14.00000	-97.00000	0.00000	0.0	0.0	0.33511	-	-	-
		-13.00000	-97.00000	0.00000	0.0	0.0	0.44345	-	-	-
		-12.00000	-97.00000	0.00000	0.0	0.0	0.55180	-	-	-
		-11.00000	-97.00000	0.00000	0.0	0.0	0.57453	-	-	-
		-10.00000	-97.00000	0.00000	0.0	0.0	0.65126	-	-	-
		-9.00000	-97.00000	0.00000	0.029174	0.063893	0.73338	-	-	-
		-8.00000	-97.00000	0.00000	0.068940	0.17817	0.80589	-	-	-
		-7.00000	-97.00000	0.00000	0.087836	0.27685	0.85990	-	-	-
		-6.00000	-97.00000	0.00000	0.098528	0.39794	0.91980	-	-	-
		-5.00000	-97.00000	0.00000	0.090004	0.50584	0.97742	-	-	-
		-4.00000	-97.00000	0.00000	0.063480	0.58635	1.0234	-	-	-
		-3.00000	-97.00000	0.00000	0.024502	0.63485	1.0564	-	-	-
		-2.00000	-97.00000	0.00000	0.0030846	0.73460	1.2129	-	-	-
		-1.00000	-97.00000	0.00000	0.0030944	0.73692	1.2139	-	-	-
		0.00000	-97.00000	0.00000	0.0031041	0.73923	1.2149	-	-	-
		1.00000	-97.00000	0.00000	0.0031138	0.74155	1.2159	-	-	-
		2.00000	-97.00000	0.00000	0.0031235	0.74387	1.2169	-	-	-
		3.00000	-97.00000	0.00000	0.0031333	0.74618	1.2179	-	-	-
		4.00000	-97.00000	0.00000	0.0031430	0.74850	1.2189	-	-	-
		5.00000	-97.00000	0.00000	0.0031527	0.75082	1.2199	-	-	-
		6.00000	-97.00000	0.00000	0.0031624	0.75313	1.2209	-	-	-
		7.00000	-97.00000	0.00000	0.0031722	0.75545	1.2219	-	-	-
		8.00000	-97.00000	0.00000	0.0031819	0.75777	1.2229	-	-	-
		9.00000	-97.00000	0.00000	0.0031916	0.76008	1.2239	-	-	-
		10.00000	-97.00000	0.00000	0.0032013	0.76240	1.2249	-	-	-
		11.00000	-97.00000	0.00000	0.0032111	0.76472	1.2259	-	-	-
		12.00000	-97.00000	0.00000	0.0032208	0.76703	1.2269	-	-	-
		13.00000	-97.00000	0.00000	0.0032305	0.76935	1.2279	-	-	-
		14.00000	-97.00000	0.00000	0.0032403	0.77167	1.2289	-	-	-
		15.00000	-97.00000	0.00000	0.0032500	0.77398	1.2300	-	-	-
		16.00000	-97.00000	0.00000	0.0032597	0.77630	1.2310	-	-	-
		17.00000	-97.00000	0.00000	0.0032694	0.77862	1.2320	-	-	-
		18.00000	-97.00000	0.00000	0.0032792	0.78093	1.2330	-	-	-
		19.00000	-97.00000	0.00000	0.0032889	0.78325	1.2340	-	-	-
		20.00000	-97.00000	0.00000	0.0032986	0.78557	1.2350	-	-	-
		21.00000	-97.00000	0.00000	0.0033084	0.78788	1.2360	-	-	-
		22.00000	-97.00000	0.00000	0.0033181	0.79020	1.2370	-	-	-
		23.00000	-97.00000	0.00000	0.0013423	0.53122	0.82981	-	-	-
		24.00000	-97.00000	0.00000	-0.034257	0.50628	0.80594	-	-	-
		25.00000	-97.00000	0.00000	-0.062781	0.45542	0.77185	-	-	-
		26.00000	-97.00000	0.00000	-0.079517	0.38221	0.72878	-	-	-
		27.00000	-97.00000	0.00000	-0.080928	0.29086	0.67785	-	-	-
		28.00000	-97.00000	0.00000	-0.067270	0.19307	0.61979	-	-	-
		29.00000	-97.00000	0.00000	-0.046934	0.11212	0.55462	-	-	-
		30.00000	-97.00000	0.00000	-0.013366	0.027344	0.48129	-	-	-
		31.00000	-97.00000	0.00000	0.0	0.0	0.41153	-	-	-
		32.00000	-97.00000	0.00000	0.0	0.0	0.34729	-	-	-
		33.00000	-97.00000	0.00000	0.0	0.0	0.28113	-	-	-
		34.00000	-97.00000	0.00000	0.0	0.0	0.21350	-	-	-
		35.00000	-97.00000	0.00000	0.0	0.0	0.14476	-	-	-
		36.00000	-97.00000	0.00000	0.0	0.0	0.075221	-	-	-
		37.00000	-97.00000	0.00000	0.0	0.0	0.0051002	-	-	-
		38.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		91.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-97.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-96.00000	0.00000	0.0	0.0	0.069822	-	-	-
		-17.00000	-96.00000	0.00000	0.0	0.0	0.17817	-	-	-
		-16.00000	-96.00000	0.00000	0.0	0.0	0.28652	-	-	-
		-15.00000	-96.00000	0.00000	0.0	0.0	0.39487	-	-	-
		-14.00000	-96.00000	0.00000	0.0	0.0	0.50322	-	-	-
		-13.00000	-96.00000	0.00000	0.0	0.0	0.61156	-	-	-
		-12.00000	-96.00000	0.00000	0.0	0.0	0.71991	-	-	-
		-11.00000	-96.00000	0.00000	0.025141	0.039248	0.74111	-	-	-
		-10.00000	-96.00000	0.00000	0.10539	0.18630	0.84674	-	-	-
		-9.00000	-96.00000	0.00000	0.16807	0.34244	0.93121	-	-	-
		-8.00000	-96.00000	0.00000	0.21775	0.52355	0.99907	-	-	-
		-7.00000	-96.00000	0.00000	0.23209	0.68058	1.0523	-	-	-
		-6.00000	-96.00000	0.00000	0.21839	0.82059	1.1076	-	-	-
		-5.00000	-96.00000	0.00000	0.18195	0.95136	1.1753	-	-	-
		-4.00000	-96.00000	0.00000	0.12240	1.0518	1.2309	-	-	-
		-3.00000	-96.00000	0.00000	0.046293	1.1159	1.2720	-	-	-
		-2.00000	-96.00000	0.00000	0.0054060	1.2874	1.4613	-	-	-
		-1.00000	-96.00000	0.00000	0.0054158	1.2898	1.4624	-	-	-
		0.00000	-96.00000	0.00000	0.0054256	1.2921	1.4636	-	-	-
		1.00000	-96.00000	0.00000	0.0054354	1.2944	1.4647	-	-	-
		2.00000	-96.00000	0.00000	0.0054451	1.2968	1.4658	-	-	-
		3.00000	-96.00000	0.00000	0.0054549	1.2991	1.4669	-	-	-
		4.00000	-96.00000	0.00000	0.0054647	1.3014	1.4680	-	-	-
		5.00000	-96.00000	0.00000	0.0054745	1.3037	1.4691	-	-	-
		6.00000	-96.00000	0.00000	0.0054843	1.3061	1.4702	-	-	-
		7.00000	-96.00000	0.00000	0.0054940	1.3084	1.4713	-	-	-
		8.00000	-96.00000	0.00000	0.0055038	1.3107	1.4724	-	-	-
		9.00000	-96.00000	0.00000	0.0055136	1.3131	1.4736	-	-	-
		10.00000	-96.00000	0.00000	0.0055234	1.3154	1.4747	-	-	-
		11.00000	-96.00000	0.00000	0.0055332	1.3177	1.4758	-	-	-
		12.00000	-96.00000	0.00000	0.0055429	1.3200	1.4769	-	-	-
		13.00000	-96.00000	0.00000	0.0055527	1.3224	1.4780	-	-	-
		14.00000	-96.00000	0.00000	0.0055625	1.3247	1.4791	-	-	-
		15.00000	-96.00000	0.00000	0.0055723	1.3270	1.4803	-	-	-
		16.00000	-96.00000	0.00000	0.0055821	1.3294	1.4814	-	-	-
		17.00000	-96.00000	0.00000	0.0055918	1.3317	1.4825	-	-	-
		18.00000	-96.00000	0.00000	0.0056016	1.3340	1.4836	-	-	-
		19.00000	-96.00000	0.00000	0.0056114	1.3364	1.4848	-	-	-
		20.00000	-96.00000	0.00000	0.0056212	1.3387	1.4859	-	-	-
		21.00000	-96.00000	0.00000	0.0056310	1.3410	1.4870	-	-	-
		22.00000	-96.00000	0.00000	0.0056408	1.3433	1.4881	-	-	-
		23.00000	-96.00000	0.00000	0.0024514	0.90205	0.99829	-	-	-
		24.00000	-96.00000	0.00000	-0.062956	0.86513	0.96789	-	-	-
		25.00000	-96.00000	0.00000	-0.11838	0.79845	0.92550	-	-	-
		26.00000	-96.00000	0.00000	-0.15813	0.70675	0.87318	-	-	-
		27.00000	-96.00000	0.00000	-0.17818	0.59546	0.81314	-	-	-
		28.00000	-96.00000	0.00000	-0.17620	0.47020	0.74736	-	-	-
		29.00000	-96.00000	0.00000	-0.15138	0.33623	0.67716	-	-	-
		30.00000	-96.00000	0.00000	-0.10414	0.19810	0.60283	-	-	-
		31.00000	-96.00000	0.00000	-0.058012	0.096495	0.52321	-	-	-
		32.00000	-96.00000	0.00000	-581.69E-6	859.62E-6	0.43541	-	-	-
		33.00000	-96.00000	0.00000	0.0	0.0	0.36305	-	-	-
		34.00000	-96.00000	0.00000	0.0	0.0	0.29170	-	-	-
		35.00000	-96.00000	0.00000	0.0	0.0	0.21963	-	-	-
		36.00000	-96.00000	0.00000	0.0	0.0	0.14711	-	-	-
		37.00000	-96.00000	0.00000	0.0	0.0	0.076419	-	-	-
		38.00000	-96.00000	0.00000	0.0	0.0	0.0015357	-	-	-
		39.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		70.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-96.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-95.00000	0.00000	0.0	0.0	0.021235	-	-	-
		-19.00000	-95.00000	0.00000	0.0	0.0	0.12958	-	-	-
		-18.00000	-95.00000	0.00000	0.0	0.0	0.23793	-	-	-
		-17.00000	-95.00000	0.00000	0.0	0.0	0.34628	-	-	-
		-16.00000	-95.00000	0.00000	0.0	0.0	0.45463	-	-	-
		-15.00000	-95.00000	0.00000	0.0	0.0	0.56298	-	-	-
		-14.00000	-95.00000	0.00000	0.0	0.0	0.67132	-	-	-
		-13.00000	-95.00000	0.00000	0.0	0.0	0.77967	-	-	-
		-12.00000	-95.00000	0.00000	0.089409	0.13872	0.92065	-	-	-
		-11.00000	-95.00000	0.00000	0.00000	0.19947	0.30948	1.0545	-	-
		-10.00000	-95.00000	0.00000	0.00000	0.30314	0.49576	1.0351	-	-
		-9.00000	-95.00000	0.00000	0.00000	0.37875	0.71392	1.1221	-	-
		-8.00000	-95.00000	0.00000	0.00000	0.41054	0.91318	1.1968	-	-
		-7.00000	-95.00000	0.00000	0.00000	0.40063	1.0868	1.2588	-	-
		-6.00000	-95.00000	0.00000	0.00000	0.35485	1.2335	1.3116	-	-
		-5.00000	-95.00000	0.00000	0.00000	0.28775	1.3919	1.3968	-	-
		-4.00000	-95.00000	0.00000	0.00000	0.19076	1.5165	1.4678	-	-
		-3.00000	-95.00000	0.00000	0.00000	0.071723	1.5994	1.5207	-	-
		-2.00000	-95.00000	0.00000	0.00000	0.0077449	1.8444	1.7488	-	-
		-1.00000	-95.00000	0.00000	0.00000	0.0077548	1.8468	1.7502	-	-
		0.00000	-95.00000	0.00000	0.00000	0.0077646	1.8491	1.7515	-	-
		1.00000	-95.00000	0.00000	0.00000	0.0077745	1.8515	1.7528	-	-
		2.00000	-95.00000	0.00000	0.00000	0.0077844	1.8538	1.7541	-	-
		3.00000	-95.00000	0.00000	0.00000	0.0077943	1.8562	1.7555	-	-
		4.00000	-95.00000	0.00000	0.00000	0.0078041	1.8585	1.7568	-	-
		5.00000	-95.00000	0.00000	0.00000	0.0078140	1.8609	1.7581	-	-
		6.00000	-95.00000	0.00000	0.00000	0.0078239	1.8633	1.7594	-	-
		7.00000	-95.00000	0.00000	0.00000	0.0078338	1.8656	1.7608	-	-
		8.00000	-95.00000	0.00000	0.00000	0.0078436	1.8680	1.7621	-	-
		9.00000	-95.00000	0.00000	0.00000	0.0078535	1.8703	1.7634	-	-
		10.00000	-95.00000	0.00000	0.00000	0.0078634	1.8727	1.7648	-	-
		11.00000	-95.00000	0.00000	0.00000	0.0078733	1.8750	1.7661	-	-
		12.00000	-95.00000	0.00000	0.00000	0.0078831	1.8774	1.7674	-	-
		13.00000	-95.00000	0.00000	0.00000	0.0078930	1.8797	1.7688	-	-
		14.00000	-95.00000	0.00000	0.00000	0.0079029	1.8821	1.7701	-	-
		15.00000	-95.00000	0.00000	0.00000	0.0079128	1.8844	1.7715	-	-
		16.00000	-95.00000	0.00000	0.00000	0.0079227	1.8868	1.7728	-	-
		17.00000	-95.00000	0.00000	0.00000	0.0079326	1.8891	1.7741	-	-
		18.00000	-95.00000	0.00000	0.00000	0.0079424	1.8915	1.7755	-	-
		19.00000	-95.00000	0.00000	0.00000	0.0079523	1.8938	1.7768	-	-
		20.00000	-95.00000	0.00000	0.00000	0.0079622	1.8962	1.7782	-	-
		21.00000	-95.00000	0.00000	0.00000	0.0079721	1.8985	1.7795	-	-
		22.00000	-95.00000	0.00000	0.00000	0.0079820	1.9009	1.7809	-	-
		23.00000	-95.00000	0.00000	0.00000	0.0037505	1.2759	1.1948	-	-
		24.00000	-95.00000	0.00000	0.00000	-0.096402	1.2247	1.1554	-	-
		25.00000	-95.00000	0.00000	0.00000	-0.18265	1.1390	1.1009	-	-
		26.00000	-95.00000	0.00000	0.00000	-0.24807	1.0250	1.0342	-	-
		27.00000	-95.00000	0.00000	0.00000	-0.28805	0.88995	0.95886	-	-
		28.00000	-95.00000	0.00000	0.00000	-0.30036	0.74105	0.87837	-	-
		29.00000	-95.00000	0.00000	0.00000	-0.28480	0.58483	0.79547	-	-
		30.00000	-95.00000	0.00000	0.00000	-0.24266	0.42674	0.71187	-	-
		31.00000	-95.00000	0.00000	0.00000	-0.17618	0.27093	0.62776	-	-
		32.00000	-95.00000	0.00000	0.00000	-0.097151	0.13273	0.54153	-	-
		33.00000	-95.00000	0.00000	0.00000	-0.026149	0.032141	0.44941	-	-
		34.00000	-95.00000	0.00000	0.0	0.0	0.0	0.36457	-	-
		35.00000	-95.00000	0.00000	0.0	0.0	0.0	0.28922	-	-
		36.00000	-95.00000	0.00000	0.0	0.0	0.0	0.22023	-	-
		37.00000	-95.00000	0.00000	0.0	0.0	0.0	0.14731	-	-
		38.00000	-95.00000	0.00000	0.0	0.0	0.0	0.069479	-	-
		39.00000	-95.00000	0.00000	0.0	0.0	0.0	0.0	-	-
		40.00000	-95.00000	0.00000	0.0	0.0	0.0	0.0	-	-
		41.00000	-95.00000	0.00000	0.0	0.0	0.0	0.0	-	-
		42.00000	-95.00000	0.00000	0.0	0.0	0.0	0.0	-	-
		43.00000	-95.00000	0.00000	0.0	0.0	0.0	0.0	-	-
		44.00000	-95.00000	0.00000	0.0	0.0	0.0	0.0	-	-
		45.00000	-95.00000	0.00000	0.0	0.0	0.0	0.0	-	-
		46.00000	-95.00000	0.00000	0.0	0.0	0.0	0.0	-	-
		47.00000	-95.00000	0.00000	0.0	0.0	0.0	0.0	-	-
		48.00000	-95.00000	0.00000	0.0	0.0	0.0	0.0	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		49.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-95.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-94.00000	0.00000	-0.43944	0.99564	1.0246	-	-	-
		29.00000	-94.00000	0.00000	-0.43165	0.81400	0.92188	-	-	-
		30.00000	-94.00000	0.00000	-0.39244	0.63379	0.82145	-	-	-
		31.00000	-94.00000	0.00000	-0.32542	0.45957	0.72492	-	-	-
		32.00000	-94.00000	0.00000	-0.23452	0.29424	0.63191	-	-	-
		33.00000	-94.00000	0.00000	-0.12423	0.14022	0.53980	-	-	-
		34.00000	-94.00000	0.00000	-0.038564	0.039559	0.44351	-	-	-
		35.00000	-94.00000	0.00000	0.0	0.0	0.36434	-	-	-
		36.00000	-94.00000	0.00000	0.0	0.0	0.29369	-	-	-
		37.00000	-94.00000	0.00000	0.0	0.0	0.21754	-	-	-
		38.00000	-94.00000	0.00000	0.0	0.0	0.13644	-	-	-
		39.00000	-94.00000	0.00000	0.0	0.0	0.050915	-	-	-
		40.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-94.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-93.00000	0.00000	0.0	0.0	0.019494	-	-	-
		-22.00000	-93.00000	0.00000	0.0	0.0	0.10711	-	-	-
		-21.00000	-93.00000	0.00000	0.0	0.0	0.24910	-	-	-
		-20.00000	-93.00000	0.00000	0.0	0.0	0.35745	-	-	-
		-19.00000	-93.00000	0.00000	0.0	0.0	0.46580	-	-	-
		-18.00000	-93.00000	0.00000	0.0	0.0	0.57415	-	-	-
		-17.00000	-93.00000	0.00000	0.0	0.0	0.68250	-	-	-
		-16.00000	-93.00000	0.00000	0.0	0.0	0.79085	-	-	-
		-15.00000	-93.00000	0.00000	0.10076	0.15633	0.93488	-	-	-
		-14.00000	-93.00000	0.00000	0.21570	0.33467	1.0679	-	-	-
		-13.00000	-93.00000	0.00000	0.37749	0.58569	1.1966	-	-	-
		-12.00000	-93.00000	0.00000	0.53950	0.83707	1.3273	-	-	-
		-11.00000	-93.00000	0.00000	0.70196	1.0891	1.4653	-	-	-
		-10.00000	-93.00000	0.00000	0.86508	1.3422	1.6150	-	-	-
		-9.00000	-93.00000	0.00000	0.89279	1.4104	1.5643	-	-	-
		-8.00000	-93.00000	0.00000	0.89084	1.6607	1.6833	-	-	-
		-7.00000	-93.00000	0.00000	0.82850	1.8837	1.7873	-	-	-
		-6.00000	-93.00000	0.00000	0.70962	2.0674	1.8690	-	-	-
		-5.00000	-93.00000	0.00000	0.55622	2.2549	1.9697	-	-	-
		-4.00000	-93.00000	0.00000	0.36719	2.4465	2.0898	-	-	-
		-3.00000	-93.00000	0.00000	0.13811	2.5813	2.1802	-	-	-
		-2.00000	-93.00000	0.00000	0.012518	2.9811	2.5137	-	-	-
		-1.00000	-93.00000	0.00000	0.012528	2.9835	2.5156	-	-	-
		0.00000	-93.00000	0.00000	0.012538	2.9860	2.5175	-	-	-
		1.00000	-93.00000	0.00000	0.012548	2.9884	2.5195	-	-	-
		2.00000	-93.00000	0.00000	0.012559	2.9908	2.5214	-	-	-
		3.00000	-93.00000	0.00000	0.012569	2.9932	2.5233	-	-	-
		4.00000	-93.00000	0.00000	0.012579	2.9957	2.5252	-	-	-
		5.00000	-93.00000	0.00000	0.012589	2.9981	2.5271	-	-	-
		6.00000	-93.00000	0.00000	0.012599	3.0005	2.5290	-	-	-

Oasys
3-6 Spring Place, London
Combined

GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)

Job No. J16143 | Sheet No. | Rev.
Drg. Ref.
Made by JD | Date 23-Aug-2016 | Checked

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
	7.00000	-93.00000	0.00000	0.012610	3.0030	2.5309	-	-	-
	8.00000	-93.00000	0.00000	0.012620	3.0054	2.5329	-	-	-
	9.00000	-93.00000	0.00000	0.012630	3.0078	2.5348	-	-	-
	10.00000	-93.00000	0.00000	0.012640	3.0103	2.5367	-	-	-
	11.00000	-93.00000	0.00000	0.012650	3.0127	2.5386	-	-	-
	12.00000	-93.00000	0.00000	0.012661	3.0151	2.5405	-	-	-
	13.00000	-93.00000	0.00000	0.012671	3.0176	2.5425	-	-	-
	14.00000	-93.00000	0.00000	0.012681	3.0200	2.5444	-	-	-
	15.00000	-93.00000	0.00000	0.012691	3.0224	2.5463	-	-	-
	16.00000	-93.00000	0.00000	0.012701	3.0248	2.5483	-	-	-
	17.00000	-93.00000	0.00000	0.012712	3.0273	2.5502	-	-	-
	18.00000	-93.00000	0.00000	0.012722	3.0297	2.5521	-	-	-
	19.00000	-93.00000	0.00000	0.012732	3.0321	2.5540	-	-	-
	20.00000	-93.00000	0.00000	0.012742	3.0346	2.5560	-	-	-
	21.00000	-93.00000	0.00000	0.012753	3.0370	2.5579	-	-	-
	22.00000	-93.00000	0.00000	0.012763	3.0394	2.5599	-	-	-
	23.00000	-93.00000	0.00000	0.0071656	2.0396	1.7177	-	-	-
	24.00000	-93.00000	0.00000	-0.18344	1.9499	1.6502	-	-	-
	25.00000	-93.00000	0.00000	-0.34726	1.8118	1.5574	-	-	-
	26.00000	-93.00000	0.00000	-0.47357	1.6372	1.4455	-	-	-
	27.00000	-93.00000	0.00000	-0.55674	1.4392	1.3213	-	-	-
	28.00000	-93.00000	0.00000	-0.59583	1.2299	1.1918	-	-	-
	29.00000	-93.00000	0.00000	-0.59338	1.0195	1.0628	-	-	-
	30.00000	-93.00000	0.00000	-0.55405	0.81524	0.93898	-	-	-
	31.00000	-93.00000	0.00000	-0.48331	0.62186	0.82330	-	-	-
	32.00000	-93.00000	0.00000	-0.38663	0.44197	0.71647	-	-	-
	33.00000	-93.00000	0.00000	-0.26894	0.27658	0.61694	-	-	-
	34.00000	-93.00000	0.00000	-0.13863	0.12956	0.53867	-	-	-
	35.00000	-93.00000	0.00000	-0.036595	0.031343	0.45179	-	-	-
	36.00000	-93.00000	0.00000	0.0	0.0	0.36662	-	-	-
	37.00000	-93.00000	0.00000	0.0	0.0	0.28684	-	-	-
	38.00000	-93.00000	0.00000	0.0	0.0	0.20214	-	-	-
	39.00000	-93.00000	0.00000	0.0	0.0	0.11307	-	-	-
	40.00000	-93.00000	0.00000	0.0	0.0	0.020118	-	-	-
	41.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	42.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	43.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	44.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	45.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	46.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	47.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	48.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	49.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	50.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	51.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	52.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	53.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	54.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	55.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	56.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	57.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	58.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	59.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	60.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	61.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	62.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	63.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	64.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	65.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	66.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	67.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	68.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	69.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	70.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	71.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	72.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	73.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	74.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	75.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	76.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	77.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	78.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	79.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	80.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	81.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	82.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	83.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	84.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	85.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	86.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	87.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	88.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	89.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	90.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	91.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	92.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	93.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	94.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	95.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	96.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	97.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	98.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	99.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	100.00000	-93.00000	0.00000	0.0	0.0	0.0	-	-	-
	-50.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	-49.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	-48.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	-47.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	-46.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	-45.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	-44.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	-43.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	-42.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	-41.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	-40.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	-39.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	-38.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	-37.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	-36.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	-35.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	-34.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	-33.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	-32.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	-31.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	-30.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	-29.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	-28.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	-27.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	-26.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	-25.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	-24.00000	-92.00000	0.00000	0.0	0.0	0.044117	-	-	-
	-23.00000	-92.00000	0.00000	0.0	0.0	0.13880	-	-	-
	-22.00000	-92.00000	0.00000	0.0	0.0	0.23090	-	-	-
	-21.00000	-92.00000	0.00000	0.0	0.0	0.31995	-	-	-
	-20.00000	-92.00000	0.00000	0.0	0.0	0.52556	-	-	-
	-19.00000	-92.00000	0.00000	0.0	0.0	0.63391	-	-	-
	-18.00000	-92.00000	0.00000	0.0	0.0	0.74226	-	-	-
	-17.00000	-92.00000	0.00000	0.051405	0.079757	0.87203	-	-	-
	-16.00000	-92.00000	0.00000	0.16146	0.25052	1.0091	-	-	-
	-15.00000	-92.00000	0.00000	0.30492	0.47310	1.1390	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
	-14.00000	-92.00000	0.00000	0.46680	0.72428	1.2681	-	-	-
	-13.00000	-92.00000	0.00000	0.62904	0.97599	1.4022	-	-	-
	-12.00000	-92.00000	0.00000	0.79184	1.2286	1.5462	-	-	-
	-11.00000	-92.00000	0.00000	0.95542	1.4824	1.7040	-	-	-
	-10.00000	-92.00000	0.00000	1.1200	1.7378	1.8788	-	-	-
	-9.00000	-92.00000	0.00000	1.2858	1.9951	2.0729	-	-	-
	-8.00000	-92.00000	0.00000	1.1932	2.0095	1.9938	-	-	-
	-7.00000	-92.00000	0.00000	1.1042	2.2681	2.1287	-	-	-
	-6.00000	-92.00000	0.00000	0.94393	2.4844	2.2343	-	-	-
	-5.00000	-92.00000	0.00000	0.72975	2.6727	2.3286	-	-	-
	-4.00000	-92.00000	0.00000	0.48367	2.9114	2.4828	-	-	-
	-3.00000	-92.00000	0.00000	0.18259	3.0829	2.6001	-	-	-
	-2.00000	-92.00000	0.00000	0.014973	3.5658	3.0027	-	-	-
	-1.00000	-92.00000	0.00000	0.014984	3.5683	3.0048	-	-	-
	0.00000	-92.00000	0.00000	0.014994	3.5708	3.0070	-	-	-
	1.00000	-92.00000	0.00000	0.015004	3.5733	3.0092	-	-	-
	2.00000	-92.00000	0.00000	0.015015	3.5758	3.0114	-	-	-
	3.00000	-92.00000	0.00000	0.015025	3.5783	3.0136	-	-	-
	4.00000	-92.00000	0.00000	0.015036	3.5808	3.0158	-	-	-
	5.00000	-92.00000	0.00000	0.015046	3.5832	3.0180	-	-	-
	6.00000	-92.00000	0.00000	0.015057	3.5857	3.0202	-	-	-
	7.00000	-92.00000	0.00000	0.015067	3.5882	3.0224	-	-	-
	8.00000	-92.00000	0.00000	0.015078	3.5907	3.0246	-	-	-
	9.00000	-92.00000	0.00000	0.015088	3.5932	3.0268	-	-	-
	10.00000	-92.00000	0.00000	0.015098	3.5957	3.0291	-	-	-
	11.00000	-92.00000	0.00000	0.015109	3.5982	3.0313	-	-	-
	12.00000	-92.00000	0.00000	0.015119	3.6006	3.0335	-	-	-
	13.00000	-92.00000	0.00000	0.015130	3.6031	3.0357	-	-	-
	14.00000	-92.00000	0.00000	0.015140	3.6056	3.0379	-	-	-
	15.00000	-92.00000	0.00000	0.015151	3.6081	3.0401	-	-	-
	16.00000	-92.00000	0.00000	0.015161	3.6106	3.0423	-	-	-
	17.00000	-92.00000	0.00000	0.015172	3.6131	3.0445	-	-	-
	18.00000	-92.00000	0.00000	0.015182	3.6156	3.0467	-	-	-
	19.00000	-92.00000	0.00000	0.015192	3.6181	3.0490	-	-	-
	20.00000	-92.00000	0.00000	0.015203	3.6206	3.0512	-	-	-
	21.00000	-92.00000	0.00000	0.015213	3.6230	3.0534	-	-	-
	22.00000	-92.00000	0.00000	0.015224	3.6255	3.0556	-	-	-
	23.00000	-92.00000	0.00000	0.0094717	2.4329	2.0506	-	-	-
	24.00000	-92.00000	0.00000	-0.24150	2.3166	1.9621	-	-	-
	25.00000	-92.00000	0.00000	-0.45486	2.1416	1.8422	-	-	-
	26.00000	-92.00000	0.00000	-0.61708	1.9251	1.6991	-	-	-
	27.00000	-92.00000	0.00000	-0.72245	1.6853	1.5419	-	-	-
	28.00000	-92.00000	0.00000	-0.77197	1.4380	1.3793	-	-	-
	29.00000	-92.00000	0.00000	-0.77108	1.1955	1.2189	-	-	-
	30.00000	-92.00000	0.00000	-0.72738	0.96584	1.0666	-	-	-
	31.00000	-92.00000	0.00000	-0.64888	0.75342	0.92656	-	-	-
	32.00000	-92.00000	0.00000	-0.54293	0.56008	0.80048	-	-	-
	33.00000	-92.00000	0.00000	-0.43150	0.40045	0.71379	-	-	-
	34.00000	-92.00000	0.00000	-0.29435	0.24826	0.63257	-	-	-
	35.00000	-92.00000	0.00000	-0.13818	0.10680	0.54552	-	-	-
	36.00000	-92.00000	0.00000	-0.012494	0.0089115	0.44366	-	-	-
	37.00000	-92.00000	0.00000	0.0	0.0	0.35487	-	-	-
	38.00000	-92.00000	0.00000	0.0	0.0	0.26621	-	-	-
	39.00000	-92.00000	0.00000	0.0	0.0	0.17331	-	-	-
	40.00000	-92.00000	0.00000	0.0	0.0	0.076670	-	-	-
	41.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	42.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	43.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	44.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	45.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	46.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	47.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	48.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	49.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	50.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	51.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	52.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	53.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	54.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	55.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	56.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	57.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	58.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	59.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	60.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	61.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	62.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	63.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	64.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	65.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	66.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	67.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	68.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	69.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	70.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	71.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	72.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	73.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	74.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	75.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	76.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	77.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	78.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	79.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	80.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	81.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	82.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	83.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	84.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	85.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	86.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	87.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	88.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	89.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	90.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	91.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	92.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	93.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	94.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	95.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	96.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	97.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	98.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	99.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	100.00000	-92.00000	0.00000	0.0	0.0	0.0	-	-	-
	-50.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
	-49.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
	-48.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
	-47.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
	-46.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
	-45.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
	-44.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
	-43.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
	-42.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
	-41.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
	-40.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
	-39.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
	-38.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
	-37.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
	-36.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		-35.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-91.00000	0.00000	0.0	0.0	0.053115	-	-	-
		-24.00000	-91.00000	0.00000	0.0	0.0	0.15391	-	-	-
		-23.00000	-91.00000	0.00000	0.0	0.0	0.25285	-	-	-
		-22.00000	-91.00000	0.00000	0.0	0.0	0.34954	-	-	-
		-21.00000	-91.00000	0.00000	0.0	0.0	0.44353	-	-	-
		-20.00000	-91.00000	0.00000	0.0	0.0	0.69367	-	-	-
		-19.00000	-91.00000	0.00000	0.0020510	0.0031822	0.80624	-	-	-
		-18.00000	-91.00000	0.00000	0.11211	0.17394	0.94898	-	-	-
		-17.00000	-91.00000	0.00000	0.23238	0.36055	1.0812	-	-	-
		-16.00000	-91.00000	0.00000	0.39418	0.61159	1.2099	-	-	-
		-15.00000	-91.00000	0.00000	0.55623	0.86302	1.3411	-	-	-
		-14.00000	-91.00000	0.00000	0.71875	1.1152	1.4801	-	-	-
		-13.00000	-91.00000	0.00000	0.88195	1.3684	1.6313	-	-	-
		-12.00000	-91.00000	0.00000	1.0461	1.6230	1.7981	-	-	-
		-11.00000	-91.00000	0.00000	1.2113	1.8794	1.9834	-	-	-
		-10.00000	-91.00000	0.00000	1.3779	2.1379	2.1888	-	-	-
		-9.00000	-91.00000	0.00000	1.5461	2.3988	2.4154	-	-	-
		-8.00000	-91.00000	0.00000	1.7160	2.6625	2.6633	-	-	-
		-7.00000	-91.00000	0.00000	1.4361	2.6345	2.5237	-	-	-
		-6.00000	-91.00000	0.00000	1.2314	2.8946	2.6560	-	-	-
		-5.00000	-91.00000	0.00000	0.94401	3.0878	2.7385	-	-	-
		-4.00000	-91.00000	0.00000	0.62758	3.3737	2.9211	-	-	-
		-3.00000	-91.00000	0.00000	0.23829	3.5932	3.0716	-	-	-
		-2.00000	-91.00000	0.00000	0.017489	4.1650	3.5537	-	-	-
		-1.00000	-91.00000	0.00000	0.017500	4.1675	3.5561	-	-	-
		0.00000	-91.00000	0.00000	0.017510	4.1701	3.5585	-	-	-
		1.00000	-91.00000	0.00000	0.017521	4.1726	3.5610	-	-	-
		2.00000	-91.00000	0.00000	0.017532	4.1752	3.5634	-	-	-
		3.00000	-91.00000	0.00000	0.017542	4.1777	3.5658	-	-	-
		4.00000	-91.00000	0.00000	0.017553	4.1803	3.5682	-	-	-
		5.00000	-91.00000	0.00000	0.017564	4.1828	3.5707	-	-	-
		6.00000	-91.00000	0.00000	0.017575	4.1854	3.5731	-	-	-
		7.00000	-91.00000	0.00000	0.017585	4.1879	3.5755	-	-	-
		8.00000	-91.00000	0.00000	0.017596	4.1905	3.5779	-	-	-
		9.00000	-91.00000	0.00000	0.017607	4.1930	3.5804	-	-	-
		10.00000	-91.00000	0.00000	0.017617	4.1956	3.5828	-	-	-
		11.00000	-91.00000	0.00000	0.017628	4.1981	3.5852	-	-	-
		12.00000	-91.00000	0.00000	0.017639	4.2007	3.5877	-	-	-
		13.00000	-91.00000	0.00000	0.017650	4.2032	3.5901	-	-	-
		14.00000	-91.00000	0.00000	0.017660	4.2058	3.5925	-	-	-
		15.00000	-91.00000	0.00000	0.017671	4.2083	3.5950	-	-	-
		16.00000	-91.00000	0.00000	0.017682	4.2109	3.5974	-	-	-
		17.00000	-91.00000	0.00000	0.017692	4.2134	3.5998	-	-	-
		18.00000	-91.00000	0.00000	0.017703	4.2160	3.6023	-	-	-
		19.00000	-91.00000	0.00000	0.017714	4.2186	3.6047	-	-	-
		20.00000	-91.00000	0.00000	0.017725	4.2211	3.6071	-	-	-
		21.00000	-91.00000	0.00000	0.017735	4.2237	3.6096	-	-	-
		22.00000	-91.00000	0.00000	0.017746	4.2262	3.6120	-	-	-
		23.00000	-91.00000	0.00000	0.017757	4.2288	3.6145	-	-	-
		24.00000	-91.00000	0.00000	-0.31391	2.6855	2.3088	-	-	-
		25.00000	-91.00000	0.00000	-0.58649	2.4627	2.1556	-	-	-
		26.00000	-91.00000	0.00000	-0.78828	2.1933	1.9759	-	-	-
		27.00000	-91.00000	0.00000	-0.91450	1.9026	1.7809	-	-	-
		28.00000	-91.00000	0.00000	-0.96998	1.6115	1.5812	-	-	-
		29.00000	-91.00000	0.00000	-0.96491	1.3343	1.3858	-	-	-
		30.00000	-91.00000	0.00000	-0.91116	1.0790	1.2018	-	-	-
		31.00000	-91.00000	0.00000	-0.81997	0.84911	1.0340	-	-	-
		32.00000	-91.00000	0.00000	-0.73013	0.67173	0.92215	-	-	-
		33.00000	-91.00000	0.00000	-0.61173	0.50631	0.82323	-	-	-
		34.00000	-91.00000	0.00000	-0.46143	0.34708	0.72810	-	-	-
		35.00000	-91.00000	0.00000	-0.28356	0.19546	0.63389	-	-	-
		36.00000	-91.00000	0.00000	-0.11045	0.070264	0.53302	-	-	-
		37.00000	-91.00000	0.00000	0.0	0.0	0.42120	-	-	-
		38.00000	-91.00000	0.00000	0.0	0.0	0.32823	-	-	-
		39.00000	-91.00000	0.00000	0.0	0.0	0.23121	-	-	-
		40.00000	-91.00000	0.00000	0.0	0.0	0.13066	-	-	-
		41.00000	-91.00000	0.00000	0.0	0.0	0.027032	-	-	-
		42.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-

Oasys
3-6 Spring Place, London
Combined

GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)

Job No.	Sheet No.	Rev.
J16143		

Drg. Ref.

Made by	Date	Checked
JD	23-Aug-2016	

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		95.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-91.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-90.00000	0.00000	0.0	0.0	0.047280	-	-	-
		-25.00000	-90.00000	0.00000	0.0	0.0	0.15315	-	-	-
		-24.00000	-90.00000	0.00000	0.0	0.0	0.25782	-	-	-
		-23.00000	-90.00000	0.00000	0.0	0.0	0.36102	-	-	-
		-22.00000	-90.00000	0.00000	0.0	0.0	0.46238	-	-	-
		-21.00000	-90.00000	0.00000	0.0	0.0	0.56145	-	-	-
		-20.00000	-90.00000	0.00000	0.048766	0.073124	0.67664	-	-	-
		-19.00000	-90.00000	0.00000	0.17281	0.26813	1.0228	-	-	-
		-18.00000	-90.00000	0.00000	0.32160	0.49899	1.1522	-	-	-
		-17.00000	-90.00000	0.00000	0.48351	0.75020	1.2816	-	-	-
		-16.00000	-90.00000	0.00000	0.64579	1.0020	1.4165	-	-	-
		-15.00000	-90.00000	0.00000	0.80867	1.2547	1.5617	-	-	-
		-14.00000	-90.00000	0.00000	0.97235	1.5087	1.7212	-	-	-
		-13.00000	-90.00000	0.00000	1.1371	1.7642	1.8979	-	-	-
		-12.00000	-90.00000	0.00000	1.3030	2.0217	2.0941	-	-	-
		-11.00000	-90.00000	0.00000	1.4705	2.2815	2.3111	-	-	-
		-10.00000	-90.00000	0.00000	1.6396	2.5439	2.5495	-	-	-
		-9.00000	-90.00000	0.00000	1.8106	2.8093	2.8089	-	-	-
		-8.00000	-90.00000	0.00000	1.9838	3.0779	3.0880	-	-	-
		-7.00000	-90.00000	0.00000	1.8393	2.9702	2.9668	-	-	-
		-6.00000	-90.00000	0.00000	1.5896	3.2893	3.1267	-	-	-
		-5.00000	-90.00000	0.00000	1.2272	3.5337	3.2225	-	-	-
		-4.00000	-90.00000	0.00000	0.80906	3.8287	3.3862	-	-	-
		-3.00000	-90.00000	0.00000	0.30983	4.1127	3.5769	-	-	-
		-2.00000	-90.00000	0.00000	0.020075	4.7810	4.1478	-	-	-
		-1.00000	-90.00000	0.00000	0.020086	4.7836	4.1504	-	-	-
		0.00000	-90.00000	0.00000	0.020098	4.7862	4.1529	-	-	-
		1.00000	-90.00000	0.00000	0.020109	4.7888	4.1555	-	-	-
		2.00000	-90.00000	0.00000	0.020120	4.7915	4.1580	-	-	-
		3.00000	-90.00000	0.00000	0.020131	4.7941	4.1606	-	-	-
		4.00000	-90.00000	0.00000	0.020142	4.7967	4.1631	-	-	-
		5.00000	-90.00000	0.00000	0.020153	4.7994	4.1657	-	-	-
		6.00000	-90.00000	0.00000	0.020164	4.8020	4.1682	-	-	-
		7.00000	-90.00000	0.00000	0.020175	4.8046	4.1708	-	-	-
		8.00000	-90.00000	0.00000	0.020186	4.8072	4.1733	-	-	-
		9.00000	-90.00000	0.00000	0.020197	4.8099	4.1759	-	-	-
		10.00000	-90.00000	0.00000	0.020208	4.8125	4.1784	-	-	-
		11.00000	-90.00000	0.00000	0.020219	4.8151	4.1810	-	-	-
		12.00000	-90.00000	0.00000	0.020230	4.8178	4.1835	-	-	-
		13.00000	-90.00000	0.00000	0.020241	4.8204	4.1861	-	-	-
		14.00000	-90.00000	0.00000	0.020252	4.8230	4.1886	-	-	-
		15.00000	-90.00000	0.00000	0.020263	4.8256	4.1912	-	-	-
		16.00000	-90.00000	0.00000	0.020274	4.8283	4.1937	-	-	-
		17.00000	-90.00000	0.00000	0.020285	4.8309	4.1963	-	-	-
		18.00000	-90.00000	0.00000	0.020296	4.8335	4.1989	-	-	-
		19.00000	-90.00000	0.00000	0.020307	4.8362	4.2014	-	-	-
		20.00000	-90.00000	0.00000	0.020318	4.8388	4.2040	-	-	-
		21.00000	-90.00000	0.00000	0.020329	4.8414	4.2065	-	-	-
		22.00000	-90.00000	0.00000	0.020340	4.8441	4.2091	-	-	-
		23.00000	-90.00000	0.00000	0.020352	4.8467	4.2116	-	-	-
		24.00000	-90.00000	0.00000	-0.40636	3.0548	2.6753	-	-	-
		25.00000	-90.00000	0.00000	-0.75031	2.7686	2.4824	-	-	-
		26.00000	-90.00000	0.00000	-0.99433	2.4312	2.2610	-	-	-
		27.00000	-90.00000	0.00000	-1.1371	2.0789	2.0249	-	-	-
		28.00000	-90.00000	0.00000	-1.1909	1.7386	1.7860	-	-	-
		29.00000	-90.00000	0.00000	-1.1733	1.4257	1.5544	-	-	-
		30.00000	-90.00000	0.00000	-1.1022	1.1470	1.3377	-	-	-
		31.00000	-90.00000	0.00000	-1.0391	0.94556	1.1946	-	-	-
		32.00000	-90.00000	0.00000	-0.94280	0.76222	1.0661	-	-	-
		33.00000	-90.00000	0.00000	-0.80732	0.58718	0.94291	-	-	-
		34.00000	-90.00000	0.00000	-0.63915	0.42247	0.82827	-	-	-
		35.00000	-90.00000	0.00000	-0.44366	0.26874	0.72100	-	-	-
		36.00000	-90.00000	0.00000	-0.22508	0.12582	0.61483	-	-	-
		37.00000	-90.00000	0.00000	-0.050624	0.026273	0.49803	-	-	-
		38.00000	-90.00000	0.00000	0.0	0.0	0.38770	-	-	-
		39.00000	-90.00000	0.00000	0.0	0.0	0.28630	-	-	-
		40.00000	-90.00000	0.00000	0.0	0.0	0.18164	-	-	-
		41.00000	-90.00000	0.00000	0.0	0.0	0.074162	-	-	-
		42.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-

Oasys

GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)

3-6 Spring Place, London
Combined

Job No.	Sheet No.	Rev.
J16143		

Drg. Ref.

Made by	Date	Checked
JD	23-Aug-2016	

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		74.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-90.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-89.00000	0.00000	0.0	0.0	0.027642	-	-	-
		-26.00000	-89.00000	0.00000	0.0	0.0	0.13753	-	-	-
		-25.00000	-89.00000	0.00000	0.0	0.0	0.24680	-	-	-
		-24.00000	-89.00000	0.00000	0.0	0.0	0.35526	-	-	-
		-23.00000	-89.00000	0.00000	0.0	0.0	0.46267	-	-	-
		-22.00000	-89.00000	0.00000	0.0	0.0	0.56870	-	-	-
		-21.00000	-89.00000	0.00000	0.091323	0.11342	0.70052	-	-	-
		-20.00000	-89.00000	0.00000	0.19826	0.27452	0.82311	-	-	-
		-19.00000	-89.00000	0.00000	0.41087	0.63750	1.2232	-	-	-
		-18.00000	-89.00000	0.00000	0.57296	0.88898	1.3550	-	-	-
		-17.00000	-89.00000	0.00000	0.73554	1.1412	1.4951	-	-	-
		-16.00000	-89.00000	0.00000	0.89883	1.3946	1.6477	-	-	-
		-15.00000	-89.00000	0.00000	1.0631	1.6494	1.8164	-	-	-
		-14.00000	-89.00000	0.00000	1.2284	1.9060	2.0036	-	-	-
		-13.00000	-89.00000	0.00000	1.3952	2.1647	2.2112	-	-	-
		-12.00000	-89.00000	0.00000	1.5635	2.4259	2.4400	-	-	-
		-11.00000	-89.00000	0.00000	1.7337	2.6899	2.6900	-	-	-
		-10.00000	-89.00000	0.00000	1.9058	2.9570	2.9605	-	-	-
		-9.00000	-89.00000	0.00000	2.0802	3.2276	3.2497	-	-	-
		-8.00000	-89.00000	0.00000	2.2571	3.5021	3.5551	-	-	-
		-7.00000	-89.00000	0.00000	2.4367	3.7807	3.8733	-	-	-
		-6.00000	-89.00000	0.00000	2.0426	3.6519	3.6342	-	-	-
		-5.00000	-89.00000	0.00000	1.5962	3.9711	3.7394	-	-	-
		-4.00000	-89.00000	0.00000	1.0435	4.2667	3.8507	-	-	-
		-3.00000	-89.00000	0.00000	0.40461	4.6406	4.0895	-	-	-
		-2.00000	-89.00000	0.00000	0.022744	5.4164	4.7561	-	-	-
		-1.00000	-89.00000	0.00000	0.022755	5.4191	4.7586	-	-	-
		0.00000	-89.00000	0.00000	0.022767	5.4218	4.7612	-	-	-
		1.00000	-89.00000	0.00000	0.022778	5.4246	4.7637	-	-	-
		2.00000	-89.00000	0.00000	0.022789	5.4273	4.7662	-	-	-
		3.00000	-89.00000	0.00000	0.022801	5.4300	4.7688	-	-	-
		4.00000	-89.00000	0.00000	0.022812	5.4327	4.7713	-	-	-
		5.00000	-89.00000	0.00000	0.022824	5.4354	4.7738	-	-	-
		6.00000	-89.00000	0.00000	0.022835	5.4381	4.7764	-	-	-
		7.00000	-89.00000	0.00000	0.022846	5.4408	4.7789	-	-	-
		8.00000	-89.00000	0.00000	0.022858	5.4436	4.7814	-	-	-
		9.00000	-89.00000	0.00000	0.022869	5.4463	4.7839	-	-	-
		10.00000	-89.00000	0.00000	0.022881	5.4490	4.7865	-	-	-
		11.00000	-89.00000	0.00000	0.022892	5.4517	4.7890	-	-	-
		12.00000	-89.00000	0.00000	0.022903	5.4544	4.7915	-	-	-
		13.00000	-89.00000	0.00000	0.022915	5.4572	4.7941	-	-	-
		14.00000	-89.00000	0.00000	0.022926	5.4599	4.7966	-	-	-
		15.00000	-89.00000	0.00000	0.022938	5.4626	4.7991	-	-	-
		16.00000	-89.00000	0.00000	0.022949	5.4653	4.8016	-	-	-
		17.00000	-89.00000	0.00000	0.022960	5.4680	4.8042	-	-	-
		18.00000	-89.00000	0.00000	0.022972	5.4708	4.8067	-	-	-
		19.00000	-89.00000	0.00000	0.022983	5.4735	4.8092	-	-	-
		20.00000	-89.00000	0.00000	0.022995	5.4762	4.8117	-	-	-
		21.00000	-89.00000	0.00000	0.023006	5.4789	4.8142	-	-	-
		22.00000	-89.00000	0.00000	0.023018	5.4816	4.8168	-	-	-
		23.00000	-89.00000	0.00000	0.023029	5.4844	4.8193	-	-	-
		24.00000	-89.00000	0.00000	-0.52783	3.4205	3.0397	-	-	-
		25.00000	-89.00000	0.00000	-0.95800	3.0471	2.8000	-	-	-
		26.00000	-89.00000	0.00000	-1.2439	2.6216	2.5332	-	-	-
		27.00000	-89.00000	0.00000	-1.3936	2.1962	2.2549	-	-	-
		28.00000	-89.00000	0.00000	-1.4331	1.8035	1.9779	-	-	-
		29.00000	-89.00000	0.00000	-1.3917	1.4577	1.7118	-	-	-
		30.00000	-89.00000	0.00000	-1.3636	1.2232	1.5424	-	-	-
		31.00000	-89.00000	0.00000	-1.2946	1.0155	1.3842	-	-	-
		32.00000	-89.00000	0.00000	-1.1755	0.81924	1.2243	-	-	-
		33.00000	-89.00000	0.00000	-1.0164	0.63721	1.0724	-	-	-
		34.00000	-89.00000	0.00000	-0.82508	0.47011	0.93374	-	-	-
		35.00000	-89.00000	0.00000	-0.60793	0.31743	0.80871	-	-	-
		36.00000	-89.00000	0.00000	-0.36952	0.17806	0.69220	-	-	-
		37.00000	-89.00000	0.00000	-0.13973	0.062509	0.57332	-	-	-
		38.00000	-89.00000	0.00000	0.0	0.0	0.44402	-	-	-
		39.00000	-89.00000	0.00000	0.0	0.0	0.33802	-	-	-
		40.00000	-89.00000	0.00000	0.0	0.0	0.22909	-	-	-
		41.00000	-89.00000	0.00000	0.0	0.0	0.11766	-	-	-
		42.00000	-89.00000	0.00000	0.0	0.0	0.0040511	-	-	-
		43.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-

Oasys

GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)

3-6 Spring Place, London
Combined

Job No.	Sheet No.	Rev.
J16143		

Drg. Ref.

Made by	Date	Checked
JD	23-Aug-2016	

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		53.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-89.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-88.00000	0.00000	0.0	0.0	0.10829	-	-	-
		-26.00000	-88.00000	0.00000	0.0	0.0	0.22102	-	-	-
		-25.00000	-88.00000	0.00000	0.0	0.0	0.33350	-	-	-
		-24.00000	-88.00000	0.00000	0.0	0.0	0.44558	-	-	-
		-23.00000	-88.00000	0.00000	0.0	0.0	0.55707	-	-	-
		-22.00000	-88.00000	0.00000	0.11512	0.11887	0.69777	-	-	-
		-21.00000	-88.00000	0.00000	0.25977	0.29587	0.82844	-	-	-
		-20.00000	-88.00000	0.00000	0.41039	0.52111	0.95536	-	-	-
		-19.00000	-88.00000	0.00000	0.52875	0.75851	1.0844	-	-	-
		-18.00000	-88.00000	0.00000	0.82550	1.2808	1.5775	-	-	-
		-17.00000	-88.00000	0.00000	0.98928	1.5349	1.7386	-	-	-
		-16.00000	-88.00000	0.00000	1.1541	1.7907	1.9172	-	-	-
		-15.00000	-88.00000	0.00000	1.3202	2.0484	2.1155	-	-	-
		-14.00000	-88.00000	0.00000	1.4878	2.3084	2.3347	-	-	-
		-13.00000	-88.00000	0.00000	1.6571	2.5711	2.5753	-	-	-
		-12.00000	-88.00000	0.00000	1.8284	2.8368	2.8368	-	-	-
		-11.00000	-88.00000	0.00000	2.0017	3.1058	3.1178	-	-	-
		-10.00000	-88.00000	0.00000	2.1775	3.3785	3.4163	-	-	-
		-9.00000	-88.00000	0.00000	2.3558	3.6552	3.7292	-	-	-
		-8.00000	-88.00000	0.00000	2.5370	3.9363	4.0527	-	-	-
		-7.00000	-88.00000	0.00000	2.7212	4.2221	4.3821	-	-	-
		-6.00000	-88.00000	0.00000	2.9086	4.5129	4.7117	-	-	-
		-5.00000	-88.00000	0.00000	2.0897	4.3807	4.2710	-	-	-
		-4.00000	-88.00000	0.00000	1.3550	4.6683	4.2775	-	-	-
		-3.00000	-88.00000	0.00000	0.53533	5.1736	4.5732	-	-	-
		-2.00000	-88.00000	0.00000	0.025504	6.0739	5.3396	-	-	-
		-1.00000	-88.00000	0.00000	0.025516	6.0767	5.3420	-	-	-
		0.00000	-88.00000	0.00000	0.025528	6.0795	5.3443	-	-	-
		1.00000	-88.00000	0.00000	0.025540	6.0823	5.3466	-	-	-
		2.00000	-88.00000	0.00000	0.025552	6.0851	5.3490	-	-	-
		3.00000	-88.00000	0.00000	0.025563	6.0879	5.3513	-	-	-
		4.00000	-88.00000	0.00000	0.025575	6.0907	5.3536	-	-	-
		5.00000	-88.00000	0.00000	0.025587	6.0936	5.3559	-	-	-
		6.00000	-88.00000	0.00000	0.025599	6.0964	5.3583	-	-	-
		7.00000	-88.00000	0.00000	0.025611	6.0992	5.3606	-	-	-
		8.00000	-88.00000	0.00000	0.025623	6.1020	5.3629	-	-	-
		9.00000	-88.00000	0.00000	0.025634	6.1048	5.3652	-	-	-
		10.00000	-88.00000	0.00000	0.025646	6.1076	5.3675	-	-	-
		11.00000	-88.00000	0.00000	0.025658	6.1104	5.3699	-	-	-
		12.00000	-88.00000	0.00000	0.025670	6.1133	5.3722	-	-	-
		13.00000	-88.00000	0.00000	0.025682	6.1161	5.3745	-	-	-
		14.00000	-88.00000	0.00000	0.025694	6.1189	5.3768	-	-	-
		15.00000	-88.00000	0.00000	0.025705	6.1217	5.3791	-	-	-
		16.00000	-88.00000	0.00000	0.025717	6.1245	5.3814	-	-	-
		17.00000	-88.00000	0.00000	0.025729	6.1273	5.3837	-	-	-
		18.00000	-88.00000	0.00000	0.025741	6.1302	5.3860	-	-	-
		19.00000	-88.00000	0.00000	0.025753	6.1330	5.3884	-	-	-
		20.00000	-88.00000	0.00000	0.025765	6.1358	5.3907	-	-	-
		21.00000	-88.00000	0.00000	0.025776	6.1386	5.3930	-	-	-
		22.00000	-88.00000	0.00000	0.025788	6.1414	5.3953	-	-	-
		23.00000	-88.00000	0.00000	0.025800	6.1443	5.3976	-	-	-
		24.00000	-88.00000	0.00000	-0.69324	3.7733	3.3723	-	-	-
		25.00000	-88.00000	0.00000	-1.2264	3.2763	3.0786	-	-	-
		26.00000	-88.00000	0.00000	-1.5459	2.7366	2.7649	-	-	-
		27.00000	-88.00000	0.00000	-1.6835	2.2283	2.4475	-	-	-
		28.00000	-88.00000	0.00000	-1.6898	1.7862	2.1374	-	-	-
		29.00000	-88.00000	0.00000	-1.7104	1.5048	1.9572	-	-	-
		30.00000	-88.00000	0.00000	-1.6769	1.2635	1.7812	-	-	-
		31.00000	-88.00000	0.00000	-1.5765	1.0386	1.5877	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
	32.00000	-88.00000	0.00000	-1.4250	0.83409	1.3929	-	-	-
	33.00000	-88.00000	0.00000	-1.2348	0.65024	1.2090	-	-	-
	34.00000	-88.00000	0.00000	-1.0151	0.48579	1.0431	-	-	-
	35.00000	-88.00000	0.00000	-0.77246	0.33877	0.89693	-	-	-
	36.00000	-88.00000	0.00000	-0.51151	0.20703	0.76636	-	-	-
	37.00000	-88.00000	0.00000	-0.23537	0.088442	0.64119	-	-	-
	38.00000	-88.00000	0.00000	-0.030272	0.010615	0.50491	-	-	-
	39.00000	-88.00000	0.00000	0.0	0.0	0.38574	-	-	-
	40.00000	-88.00000	0.00000	0.0	0.0	0.27245	-	-	-
	41.00000	-88.00000	0.00000	0.0	0.0	0.15701	-	-	-
	42.00000	-88.00000	0.00000	0.0	0.0	0.039715	-	-	-
	43.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	44.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	45.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	46.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	47.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	48.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	49.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	50.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	51.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	52.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	53.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	54.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	55.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	56.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	57.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	58.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	59.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	60.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	61.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	62.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	63.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	64.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	65.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	66.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	67.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	68.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	69.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	70.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	71.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	72.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	73.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	74.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	75.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	76.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	77.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	78.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	79.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	80.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	81.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	82.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	83.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	84.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	85.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	86.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	87.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	88.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	89.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	90.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	91.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	92.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	93.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	94.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	95.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	96.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	97.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	98.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	99.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	100.00000	-88.00000	0.00000	0.0	0.0	0.0	-	-	-
	-50.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	-49.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	-48.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	-47.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	-46.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	-45.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	-44.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	-43.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	-42.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	-41.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	-40.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	-39.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	-38.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	-37.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	-36.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	-35.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	-34.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	-33.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	-32.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	-31.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	-30.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	-29.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	-28.00000	-87.00000	0.00000	0.0	0.0	0.066821	-	-	-
	-27.00000	-87.00000	0.00000	0.0	0.0	0.18197	-	-	-
	-26.00000	-87.00000	0.00000	0.0	0.0	0.29727	-	-	-
	-25.00000	-87.00000	0.00000	0.0	0.0	0.41268	-	-	-
	-24.00000	-87.00000	0.00000	0.0	0.0	0.52811	-	-	-
	-23.00000	-87.00000	0.00000	0.11362	0.097599	0.67119	-	-	-
	-22.00000	-87.00000	0.00000	0.28567	0.26830	0.80898	-	-	-
	-21.00000	-87.00000	0.00000	0.47396	0.49100	0.94443	-	-	-
	-20.00000	-87.00000	0.00000	0.63401	0.73224	1.0859	-	-	-
	-19.00000	-87.00000	0.00000	0.75976	0.99133	1.2377	-	-	-
	-18.00000	-87.00000	0.00000	0.84426	1.2658	1.4005	-	-	-
	-17.00000	-87.00000	0.00000	1.2456	1.9326	2.0240	-	-	-
	-16.00000	-87.00000	0.00000	1.4125	2.1915	2.2338	-	-	-
	-15.00000	-87.00000	0.00000	1.5810	2.4530	2.4648	-	-	-
	-14.00000	-87.00000	0.00000	1.7513	2.7173	2.7170	-	-	-
	-13.00000	-87.00000	0.00000	1.9237	2.9847	2.9895	-	-	-
	-12.00000	-87.00000	0.00000	2.0984	3.2557	3.2805	-	-	-
	-11.00000	-87.00000	0.00000	2.2755	3.5306	3.5874	-	-	-
	-10.00000	-87.00000	0.00000	2.4554	3.8097	3.9066	-	-	-
	-9.00000	-87.00000	0.00000	2.6382	4.0933	4.2340	-	-	-
	-8.00000	-87.00000	0.00000	2.8241	4.3818	4.5642	-	-	-
	-7.00000	-87.00000	0.00000	3.0135	4.6756	4.8913	-	-	-
	-6.00000	-87.00000	0.00000	3.2064	4.9749	5.2083	-	-	-
	-5.00000	-87.00000	0.00000	2.7686	4.7199	4.7978	-	-	-
	-4.00000	-87.00000	0.00000	1.8346	5.1402	4.7543	-	-	-
	-3.00000	-87.00000	0.00000	0.72558	5.7025	4.9818	-	-	-
	-2.00000	-87.00000	0.00000	0.028368	6.7559	5.8496	-	-	-
	-1.00000	-87.00000	0.00000	0.028380	6.7588	5.8515	-	-	-
	0.00000	-87.00000	0.00000	0.028393	6.7617	5.8534	-	-	-
	1.00000	-87.00000	0.00000	0.028405	6.7646	5.8553	-	-	-
	2.00000	-87.00000	0.00000	0.028417	6.7676	5.8572	-	-	-
	3.00000	-87.00000	0.00000	0.028430	6.7705	5.8591	-	-	-
	4.00000	-87.00000	0.00000	0.028442	6.7734	5.8610	-	-	-
	5.00000	-87.00000	0.00000	0.028454	6.7763	5.8629	-	-	-
	6.00000	-87.00000	0.00000	0.028466	6.7792	5.8648	-	-	-
	7.00000	-87.00000	0.00000	0.028479	6.7822	5.8667	-	-	-
	8.00000	-87.00000	0.00000	0.028491	6.7851	5.8686	-	-	-
	9.00000	-87.00000	0.00000	0.028503	6.7880	5.8705	-	-	-
	10.00000	-87.00000	0.00000	0.028515	6.7909	5.8724	-	-	-

Oasys
GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)
3-6 Spring Place, London
Combined

Job No.	Sheet No.	Rev.
J16143		

Drg. Ref.

Made by	Date	Checked
JD	23-Aug-2016	

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
	11.00000	-87.00000	0.00000	0.028528	6.7939	5.8742	-	-	-
	12.00000	-87.00000	0.00000	0.028540	6.7968	5.8761	-	-	-
	13.00000	-87.00000	0.00000	0.028552	6.7997	5.8780	-	-	-
	14.00000	-87.00000	0.00000	0.028565	6.8026	5.8799	-	-	-
	15.00000	-87.00000	0.00000	0.028577	6.8056	5.8817	-	-	-
	16.00000	-87.00000	0.00000	0.028589	6.8085	5.8836	-	-	-
	17.00000	-87.00000	0.00000	0.028601	6.8114	5.8855	-	-	-
	18.00000	-87.00000	0.00000	0.028614	6.8143	5.8873	-	-	-
	19.00000	-87.00000	0.00000	0.028626	6.8173	5.8892	-	-	-
	20.00000	-87.00000	0.00000	0.028638	6.8202	5.8910	-	-	-
	21.00000	-87.00000	0.00000	0.028651	6.8231	5.8929	-	-	-
	22.00000	-87.00000	0.00000	0.028663	6.8261	5.8947	-	-	-
	23.00000	-87.00000	0.00000	0.028675	6.8290	5.8966	-	-	-
	24.00000	-87.00000	0.00000	-0.92904	4.0930	3.6343	-	-	-
	25.00000	-87.00000	0.00000	-1.5787	3.4139	3.2799	-	-	-
	26.00000	-87.00000	0.00000	-1.9055	2.7303	2.9231	-	-	-
	27.00000	-87.00000	0.00000	-1.9970	2.1396	2.5759	-	-	-
	28.00000	-87.00000	0.00000	-2.0904	1.7884	2.4119	-	-	-
	29.00000	-87.00000	0.00000	-2.1048	1.4988	2.2427	-	-	-
	30.00000	-87.00000	0.00000	-2.0251	1.2350	2.0305	-	-	-
	31.00000	-87.00000	0.00000	-1.8784	1.0017	1.7985	-	-	-
	32.00000	-87.00000	0.00000	-1.6841	0.79789	1.5662	-	-	-
	33.00000	-87.00000	0.00000	-1.4559	0.62055	1.3482	-	-	-
	34.00000	-87.00000	0.00000	-1.2031	0.46602	1.1531	-	-	-
	35.00000	-87.00000	0.00000	-0.93192	0.33082	0.98391	-	-	-
	36.00000	-87.00000	0.00000	-0.64650	0.21179	0.83703	-	-	-
	37.00000	-87.00000	0.00000	-0.34938	0.10626	0.70268	-	-	-
	38.00000	-87.00000	0.00000	-0.098307	0.027901	0.56456	-	-	-
	39.00000	-87.00000	0.00000	0.0	0.0	0.42880	-	-	-
	40.00000	-87.00000	0.00000	0.0	0.0	0.31111	-	-	-
	41.00000	-87.00000	0.00000	0.0	0.0	0.19167	-	-	-
	42.00000	-87.00000	0.00000	0.0	0.0	0.070732	-	-	-
	43.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	44.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	45.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	46.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	47.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	48.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	49.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	50.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	51.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	52.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	53.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	54.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	55.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	56.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	57.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	58.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	59.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	60.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	61.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	62.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	63.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	64.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	65.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	66.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	67.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	68.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	69.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	70.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	71.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	72.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	73.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	74.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	75.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	76.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	77.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	78.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	79.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	80.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	81.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	82.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	83.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	84.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	85.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	86.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	87.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	88.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	89.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	90.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	91.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	92.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	93.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	94.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	95.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	96.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	97.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	98.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	99.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	100.00000	-87.00000	0.00000	0.0	0.0	0.0	-	-	-
	-50.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
	-49.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
	-48.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
	-47.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
	-46.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
	-45.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
	-44.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
	-43.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
	-42.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
	-41.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
	-40.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
	-39.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
	-38.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
	-37.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
	-36.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
	-35.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
	-34.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
	-33.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
	-32.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
	-31.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
	-30.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
	-29.00000	-86.00000	0.00000	0.0	0.0	0.014577	-	-	-
	-28.00000	-86.00000	0.00000	0.0	0.0	0.13120	-	-	-
	-27.00000	-86.00000	0.00000	0.0	0.0	0.24826	-	-	-
	-26.00000	-86.00000	0.00000	0.0	0.0	0.36577	-	-	-
	-25.00000	-86.00000	0.00000	0.0	0.0	0.48374	-	-	-
	-24.00000	-86.00000	0.00000	0.082859	0.059052	0.62279	-	-	-
	-23.00000	-86.00000	0.00000	0.26715	0.20666	0.76709	-	-	-
	-22.00000	-86.00000	0.00000	0.49155	0.41576	0.90797	-	-	-
	-21.00000	-86.00000	0.00000	0.69367	0.64715	1.0569	-	-	-
	-20.00000	-86.00000	0.00000	0.86768	0.90246	1.2209	-	-	-
	-19.00000	-86.00000	0.00000	1.0062	1.1823	1.4029	-	-	-
	-18.00000	-86.00000	0.00000	1.1001	1.4854	1.6020	-	-	-
	-17.00000	-86.00000	0.00000	1.5052	2.3354	2.3586	-	-	-
	-16.00000	-86.00000	0.00000	1.6747	2.5984	2.6013	-	-	-
	-15.00000	-86.00000	0.00000	1.8461	2.8644	2.8649	-	-	-
	-14.00000	-86.00000	0.00000	2.0197	3.1338	3.1479	-	-	-
	-13.00000	-86.00000	0.00000	2.1958	3.4069	3.4480	-	-	-
	-12.00000	-86.00000	0.00000	2.3744	3.6840	3.7622	-	-	-
	-11.00000	-86.00000	0.00000	2.5558	3.9656	4.0865	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		-10.00000	-86.00000	0.00000	2.7404	4.2518	4.4161	-	-	-
		-9.00000	-86.00000	0.00000	2.9281	4.5432	4.7454	-	-	-
		-8.00000	-86.00000	0.00000	3.1194	4.8399	5.0679	-	-	-
		-7.00000	-86.00000	0.00000	3.3144	5.1425	5.3760	-	-	-
		-6.00000	-86.00000	0.00000	3.5133	5.4511	5.6618	-	-	-
		-5.00000	-86.00000	0.00000	3.7164	5.7662	5.9160	-	-	-
		-4.00000	-86.00000	0.00000	2.5809	5.5704	5.2025	-	-	-
		-3.00000	-86.00000	0.00000	1.0246	6.2030	5.2571	-	-	-
		-2.00000	-86.00000	0.00000	0.031346	7.4650	6.2273	-	-	-
		-1.00000	-86.00000	0.00000	0.031358	7.4680	6.2286	-	-	-
		0.00000	-86.00000	0.00000	0.031371	7.4711	6.2298	-	-	-
		1.00000	-86.00000	0.00000	0.031384	7.4741	6.2310	-	-	-
		2.00000	-86.00000	0.00000	0.031397	7.4771	6.2322	-	-	-
		3.00000	-86.00000	0.00000	0.031410	7.4802	6.2334	-	-	-
		4.00000	-86.00000	0.00000	0.031422	7.4832	6.2346	-	-	-
		5.00000	-86.00000	0.00000	0.031435	7.4863	6.2358	-	-	-
		6.00000	-86.00000	0.00000	0.031448	7.4893	6.2370	-	-	-
		7.00000	-86.00000	0.00000	0.031461	7.4923	6.2381	-	-	-
		8.00000	-86.00000	0.00000	0.031473	7.4954	6.2393	-	-	-
		9.00000	-86.00000	0.00000	0.031486	7.4984	6.2405	-	-	-
		10.00000	-86.00000	0.00000	0.031499	7.5015	6.2417	-	-	-
		11.00000	-86.00000	0.00000	0.031512	7.5045	6.2429	-	-	-
		12.00000	-86.00000	0.00000	0.031525	7.5076	6.2440	-	-	-
		13.00000	-86.00000	0.00000	0.031537	7.5106	6.2452	-	-	-
		14.00000	-86.00000	0.00000	0.031550	7.5136	6.2463	-	-	-
		15.00000	-86.00000	0.00000	0.031563	7.5167	6.2475	-	-	-
		16.00000	-86.00000	0.00000	0.031576	7.5197	6.2487	-	-	-
		17.00000	-86.00000	0.00000	0.031589	7.5228	6.2498	-	-	-
		18.00000	-86.00000	0.00000	0.031601	7.5258	6.2509	-	-	-
		19.00000	-86.00000	0.00000	0.031614	7.5289	6.2521	-	-	-
		20.00000	-86.00000	0.00000	0.031627	7.5319	6.2532	-	-	-
		21.00000	-86.00000	0.00000	0.031640	7.5350	6.2544	-	-	-
		22.00000	-86.00000	0.00000	0.031653	7.5380	6.2555	-	-	-
		23.00000	-86.00000	0.00000	0.031665	7.5411	6.2566	-	-	-
		24.00000	-86.00000	0.00000	-1.2859	4.3312	3.7755	-	-	-
		25.00000	-86.00000	0.00000	-2.0420	3.3760	3.3565	-	-	-
		26.00000	-86.00000	0.00000	-2.3106	2.5312	2.9707	-	-	-
		27.00000	-86.00000	0.00000	-2.5228	2.0665	2.8616	-	-	-
		28.00000	-86.00000	0.00000	-2.6041	1.7033	2.7382	-	-	-
		29.00000	-86.00000	0.00000	-2.5452	1.3857	2.5338	-	-	-
		30.00000	-86.00000	0.00000	-2.3957	1.1170	2.2809	-	-	-
		31.00000	-86.00000	0.00000	-2.1876	0.89190	2.0077	-	-	-
		32.00000	-86.00000	0.00000	-1.9414	0.70322	1.7365	-	-	-
		33.00000	-86.00000	0.00000	-1.6698	0.54414	1.4838	-	-	-
		34.00000	-86.00000	0.00000	-1.3809	0.40895	1.2593	-	-	-
		35.00000	-86.00000	0.00000	-1.0797	0.29302	1.0667	-	-	-
		36.00000	-86.00000	0.00000	-0.76907	0.19262	0.90272	-	-	-
		37.00000	-86.00000	0.00000	-0.45079	0.10482	0.75769	-	-	-
		38.00000	-86.00000	0.00000	-0.15778	0.034237	0.61527	-	-	-
		39.00000	-86.00000	0.00000	0.0	0.0	0.46647	-	-	-
		40.00000	-86.00000	0.00000	0.0	0.0	0.34445	-	-	-
		41.00000	-86.00000	0.00000	0.0	0.0	0.22109	-	-	-
		42.00000	-86.00000	0.00000	0.0	0.0	0.096606	-	-	-
		43.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-86.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		-31.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-85.00000	0.00000	0.0	0.0	0.071096	-	-	-
		-28.00000	-85.00000	0.00000	0.0	0.0	0.18822	-	-	-
		-27.00000	-85.00000	0.00000	0.0	0.0	0.30678	-	-	-
		-26.00000	-85.00000	0.00000	0.0	0.0	0.42605	-	-	-
		-25.00000	-85.00000	0.00000	0.021723	0.012767	0.55346	-	-	-
		-24.00000	-85.00000	0.00000	0.20349	0.12901	0.70535	-	-	-
		-23.00000	-85.00000	0.00000	0.45595	0.31376	0.84930	-	-	-
		-22.00000	-85.00000	0.00000	0.69587	0.52358	1.0004	-	-	-
		-21.00000	-85.00000	0.00000	0.91549	0.75978	1.1691	-	-	-
		-20.00000	-85.00000	0.00000	1.1084	1.0255	1.3611	-	-	-
		-19.00000	-85.00000	0.00000	1.2659	1.3233	1.5783	-	-	-
		-18.00000	-85.00000	0.00000	1.3768	1.6537	1.8181	-	-	-
		-17.00000	-85.00000	0.00000	1.4273	2.0147	2.0750	-	-	-
		-16.00000	-85.00000	0.00000	1.9416	3.0125	3.0187	-	-	-
		-15.00000	-85.00000	0.00000	2.1165	3.2839	3.3115	-	-	-
		-14.00000	-85.00000	0.00000	2.2939	3.5592	3.6198	-	-	-
		-13.00000	-85.00000	0.00000	2.4741	3.8387	3.9401	-	-	-
		-12.00000	-85.00000	0.00000	2.6572	4.1228	4.2680	-	-	-
		-11.00000	-85.00000	0.00000	2.8435	4.4119	4.5982	-	-	-
		-10.00000	-85.00000	0.00000	3.0332	4.7062	4.9246	-	-	-
		-9.00000	-85.00000	0.00000	3.2265	5.0061	5.2401	-	-	-
		-8.00000	-85.00000	0.00000	3.4236	5.3119	5.5370	-	-	-
		-7.00000	-85.00000	0.00000	3.6248	5.6241	5.8065	-	-	-
		-6.00000	-85.00000	0.00000	3.8302	5.9428	6.0391	-	-	-
		-5.00000	-85.00000	0.00000	4.0401	6.2685	6.2244	-	-	-
		-4.00000	-85.00000	0.00000	4.2548	6.6016	6.3511	-	-	-
		-3.00000	-85.00000	0.00000	1.5532	6.5996	5.3217	-	-	-
		-2.00000	-85.00000	0.00000	0.034448	8.2037	6.4042	-	-	-
		-1.00000	-85.00000	0.00000	0.034461	8.2069	6.4044	-	-	-
		0.00000	-85.00000	0.00000	0.034474	8.2101	6.4046	-	-	-
		1.00000	-85.00000	0.00000	0.034488	8.2132	6.4048	-	-	-
		2.00000	-85.00000	0.00000	0.034501	8.2164	6.4050	-	-	-
		3.00000	-85.00000	0.00000	0.034514	8.2196	6.4052	-	-	-
		4.00000	-85.00000	0.00000	0.034528	8.2227	6.4054	-	-	-
		5.00000	-85.00000	0.00000	0.034541	8.2259	6.4056	-	-	-
		6.00000	-85.00000	0.00000	0.034554	8.2291	6.4057	-	-	-
		7.00000	-85.00000	0.00000	0.034568	8.2323	6.4059	-	-	-
		8.00000	-85.00000	0.00000	0.034581	8.2354	6.4061	-	-	-
		9.00000	-85.00000	0.00000	0.034594	8.2386	6.4062	-	-	-
		10.00000	-85.00000	0.00000	0.034608	8.2418	6.4064	-	-	-
		11.00000	-85.00000	0.00000	0.034621	8.2449	6.4065	-	-	-
		12.00000	-85.00000	0.00000	0.034634	8.2481	6.4067	-	-	-
		13.00000	-85.00000	0.00000	0.034648	8.2513	6.4068	-	-	-
		14.00000	-85.00000	0.00000	0.034661	8.2545	6.4070	-	-	-
		15.00000	-85.00000	0.00000	0.034674	8.2577	6.4071	-	-	-
		16.00000	-85.00000	0.00000	0.034688	8.2608	6.4072	-	-	-
		17.00000	-85.00000	0.00000	0.034701	8.2640	6.4073	-	-	-
		18.00000	-85.00000	0.00000	0.034714	8.2672	6.4075	-	-	-
		19.00000	-85.00000	0.00000	0.034728	8.2704	6.4076	-	-	-
		20.00000	-85.00000	0.00000	0.034741	8.2735	6.4077	-	-	-
		21.00000	-85.00000	0.00000	0.034754	8.2767	6.4078	-	-	-
		22.00000	-85.00000	0.00000	0.034768	8.2799	6.4079	-	-	-
		23.00000	-85.00000	0.00000	0.034781	8.2831	6.4080	-	-	-
		24.00000	-85.00000	0.00000	-1.8665	4.3506	3.7240	-	-	-
		25.00000	-85.00000	0.00000	-2.6172	2.9944	3.2500	-	-	-
		26.00000	-85.00000	0.00000	-3.0520	2.3137	3.2485	-	-	-
		27.00000	-85.00000	0.00000	-3.2259	1.8286	3.2258	-	-	-
		28.00000	-85.00000	0.00000	-3.1765	1.4379	3.0669	-	-	-
		29.00000	-85.00000	0.00000	-3.0045	1.1320	2.8187	-	-	-
		30.00000	-85.00000	0.00000	-2.7638	0.89175	2.5208	-	-	-
		31.00000	-85.00000	0.00000	-2.4837	0.70077	2.2048	-	-	-
		32.00000	-85.00000	0.00000	-2.1807	0.54663	1.8949	-	-	-
		33.00000	-85.00000	0.00000	-1.8639	0.42034	1.6086	-	-	-
		34.00000	-85.00000	0.00000	-1.5388	0.31536	1.3563	-	-	-
		35.00000	-85.00000	0.00000	-1.2080	0.22689	1.1416	-	-	-
		36.00000	-85.00000	0.00000	-0.87326	0.15136	0.96120	-	-	-
		37.00000	-85.00000	0.00000	-0.53491	0.086074	0.80531	-	-	-
		38.00000	-85.00000	0.00000	-0.20606	0.030942	0.65728	-	-	-
		39.00000	-85.00000	0.00000	0.0	0.0	0.49800	-	-	-
		40.00000	-85.00000	0.00000	0.0	0.0	0.37180	-	-	-
		41.00000	-85.00000	0.00000	0.0	0.0	0.24470	-	-	-
		42.00000	-85.00000	0.00000	0.0	0.0	0.11684	-	-	-
		43.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		99.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-85.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-84.00000	0.00000	0.0	0.0	867.70E-6	-	-	-
		-29.00000	-84.00000	0.00000	0.0	0.0	0.12408	-	-	-
		-28.00000	-84.00000	0.00000	0.0	0.0	0.24469	-	-	-
		-27.00000	-84.00000	0.00000	0.0	0.0	0.36232	-	-	-
		-26.00000	-84.00000	0.00000	0.0	0.0	0.47770	-	-	-
		-25.00000	-84.00000	0.00000	0.12718	0.065468	0.62557	-	-	-
		-24.00000	-84.00000	0.00000	0.36607	0.20327	0.77253	-	-	-
		-23.00000	-84.00000	0.00000	0.63635	0.38354	0.92191	-	-	-
		-22.00000	-84.00000	0.00000	0.89393	0.58911	1.0879	-	-	-
		-21.00000	-84.00000	0.00000	1.1344	0.82457	1.2799	-	-	-
		-20.00000	-84.00000	0.00000	1.3511	1.0949	1.5027	-	-	-
		-19.00000	-84.00000	0.00000	1.5345	1.4049	1.7569	-	-	-
		-18.00000	-84.00000	0.00000	1.6715	1.7585	2.0390	-	-	-
		-17.00000	-84.00000	0.00000	1.7444	2.1568	2.3422	-	-	-
		-16.00000	-84.00000	0.00000	1.7313	2.5954	2.6563	-	-	-
		-15.00000	-84.00000	0.00000	2.3930	3.7128	3.7952	-	-	-
		-14.00000	-84.00000	0.00000	2.5747	3.9948	4.1204	-	-	-
		-13.00000	-84.00000	0.00000	2.7596	4.2816	4.4502	-	-	-
		-12.00000	-84.00000	0.00000	2.9477	4.5735	4.7791	-	-	-
		-11.00000	-84.00000	0.00000	3.1393	4.8709	5.1004	-	-	-
		-10.00000	-84.00000	0.00000	3.3347	5.1740	5.4067	-	-	-
		-9.00000	-84.00000	0.00000	3.5340	5.4833	5.6896	-	-	-
		-8.00000	-84.00000	0.00000	3.7375	5.7990	5.9400	-	-	-
		-7.00000	-84.00000	0.00000	3.9454	6.1216	6.1479	-	-	-
		-6.00000	-84.00000	0.00000	4.1579	6.4513	6.3023	-	-	-
		-5.00000	-84.00000	0.00000	4.3753	6.7885	6.3916	-	-	-
		-4.00000	-84.00000	0.00000	4.5977	7.1335	6.4031	-	-	-
		-3.00000	-84.00000	0.00000	2.8296	6.9158	5.3214	-	-	-
		-2.00000	-84.00000	0.00000	0.037685	8.9747	6.3015	-	-	-
		-1.00000	-84.00000	0.00000	0.037699	8.9780	6.3004	-	-	-
		0.00000	-84.00000	0.00000	0.037713	8.9813	6.2992	-	-	-
		1.00000	-84.00000	0.00000	0.037727	8.9846	6.2981	-	-	-
		2.00000	-84.00000	0.00000	0.037741	8.9879	6.2969	-	-	-
		3.00000	-84.00000	0.00000	0.037754	8.9912	6.2958	-	-	-
		4.00000	-84.00000	0.00000	0.037768	8.9945	6.2946	-	-	-
		5.00000	-84.00000	0.00000	0.037782	8.9978	6.2934	-	-	-
		6.00000	-84.00000	0.00000	0.037796	9.0011	6.2922	-	-	-
		7.00000	-84.00000	0.00000	0.037810	9.0045	6.2910	-	-	-
		8.00000	-84.00000	0.00000	0.037824	9.0078	6.2898	-	-	-
		9.00000	-84.00000	0.00000	0.037838	9.0111	6.2886	-	-	-
		10.00000	-84.00000	0.00000	0.037852	9.0144	6.2874	-	-	-
		11.00000	-84.00000	0.00000	0.037866	9.0177	6.2862	-	-	-
		12.00000	-84.00000	0.00000	0.037880	9.0210	6.2850	-	-	-
		13.00000	-84.00000	0.00000	0.037894	9.0244	6.2837	-	-	-
		14.00000	-84.00000	0.00000	0.037908	9.0277	6.2825	-	-	-
		15.00000	-84.00000	0.00000	0.037922	9.0310	6.2812	-	-	-
		16.00000	-84.00000	0.00000	0.037935	9.0343	6.2800	-	-	-
		17.00000	-84.00000	0.00000	0.037949	9.0376	6.2787	-	-	-
		18.00000	-84.00000	0.00000	0.037963	9.0409	6.2775	-	-	-
		19.00000	-84.00000	0.00000	0.037977	9.0443	6.2762	-	-	-
		20.00000	-84.00000	0.00000	0.037991	9.0476	6.2749	-	-	-
		21.00000	-84.00000	0.00000	0.038005	9.0509	6.2736	-	-	-
		22.00000	-84.00000	0.00000	0.038019	9.0542	6.2723	-	-	-
		23.00000	-84.00000	0.00000	0.038033	9.0576	6.2710	-	-	-
		24.00000	-84.00000	0.00000	-2.8377	3.6708	3.3501	-	-	-
		25.00000	-84.00000	0.00000	-3.8167	2.4233	3.5217	-	-	-
		26.00000	-84.00000	0.00000	-4.0860	1.7190	3.6715	-	-	-
		27.00000	-84.00000	0.00000	-3.9865	1.2541	3.5990	-	-	-
		28.00000	-84.00000	0.00000	-3.7407	0.93969	3.3842	-	-	-
		29.00000	-84.00000	0.00000	-3.4309	0.71735	3.0826	-	-	-
		30.00000	-84.00000	0.00000	-3.0919	0.55364	2.7362	-	-	-
		31.00000	-84.00000	0.00000	-2.7398	0.42899	2.3778	-	-	-
		32.00000	-84.00000	0.00000	-2.3826	0.33144	2.0317	-	-	-
		33.00000	-84.00000	0.00000	-2.0241	0.25332	1.7152	-	-	-
		34.00000	-84.00000	0.00000	-1.6661	0.18950	1.4384	-	-	-
		35.00000	-84.00000	0.00000	-1.3092	0.13646	1.2045	-	-	-
		36.00000	-84.00000	0.00000	-0.95307	0.091675	1.0099	-	-	-
		37.00000	-84.00000	0.00000	-0.59710	0.053322	0.84418	-	-	-
		38.00000	-84.00000	0.00000	-0.24062	0.020051	0.69023	-	-	-
		39.00000	-84.00000	0.00000	0.0	0.0	0.52264	-	-	-
		40.00000	-84.00000	0.00000	0.0	0.0	0.39253	-	-	-
		41.00000	-84.00000	0.00000	0.0	0.0	0.26195	-	-	-
		42.00000	-84.00000	0.00000	0.0	0.0	0.13095	-	-	-
		43.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		78.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-84.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-83.00000	0.00000	0.0	0.0	0.045522	-	-	-
		-29.00000	-83.00000	0.00000	0.0	0.0	0.17271	-	-	-
		-28.00000	-83.00000	0.00000	0.0	0.0	0.29763	-	-	-
		-27.00000	-83.00000	0.00000	0.0	0.0	0.41992	-	-	-
		-26.00000	-83.00000	0.00000	0.021671	0.0089235	0.54611	-	-	-
		-25.00000	-83.00000	0.00000	0.23019	0.10170	0.69349	-	-	-
		-24.00000	-83.00000	0.00000	0.51799	0.24687	0.82768	-	-	-
		-23.00000	-83.00000	0.00000	0.80329	0.41554	0.98591	-	-	-
		-22.00000	-83.00000	0.00000	1.0797	0.61067	1.1688	-	-	-
		-21.00000	-83.00000	0.00000	1.3433	0.83804	1.3850	-	-	-
		-20.00000	-83.00000	0.00000	1.5879	1.1044	1.6382	-	-	-
		-19.00000	-83.00000	0.00000	1.8040	1.4176	1.9281	-	-	-
		-18.00000	-83.00000	0.00000	1.9773	1.7854	2.2504	-	-	-
		-17.00000	-83.00000	0.00000	2.0867	2.2143	2.5973	-	-	-
		-16.00000	-83.00000	0.00000	2.1033	2.7060	2.9582	-	-	-
		-15.00000	-83.00000	0.00000	2.6763	4.1524	4.3021	-	-	-
		-14.00000	-83.00000	0.00000	2.8629	4.4420	4.6322	-	-	-
		-13.00000	-83.00000	0.00000	3.0529	4.7368	4.9577	-	-	-
		-12.00000	-83.00000	0.00000	3.2466	5.0373	5.2717	-	-	-
		-11.00000	-83.00000	0.00000	3.4442	5.3438	5.5662	-	-	-
		-10.00000	-83.00000	0.00000	3.6458	5.6566	5.8324	-	-	-
		-9.00000	-83.00000	0.00000	3.8516	5.9761	6.0606	-	-	-
		-8.00000	-83.00000	0.00000	4.0621	6.3025	6.2404	-	-	-
		-7.00000	-83.00000	0.00000	4.2772	6.6363	6.3604	-	-	-
		-6.00000	-83.00000	0.00000	4.4973	6.9778	6.4084	-	-	-
		-5.00000	-83.00000	0.00000	4.7225	7.3273	6.3714	-	-	-
		-4.00000	-83.00000	0.00000	4.9532	7.6852	6.2354	-	-	-
		-3.00000	-83.00000	0.00000	5.1895	8.0518	5.9858	-	-	-
		-2.00000	-83.00000	0.00000	0.041068	9.7803	5.8310	-	-	-
		-1.00000	-83.00000	0.00000	0.041083	9.7838	5.8281	-	-	-
		0.00000	-83.00000	0.00000	0.041097	9.7873	5.8252	-	-	-
		1.00000	-83.00000	0.00000	0.041112	9.7907	5.8223	-	-	-
		2.00000	-83.00000	0.00000	0.041126	9.7942	5.8194	-	-	-
		3.00000	-83.00000	0.00000	0.041141	9.7976	5.8164	-	-	-
		4.00000	-83.00000	0.00000	0.041155	9.8011	5.8135	-	-	-
		5.00000	-83.00000	0.00000	0.041170	9.8046	5.8106	-	-	-
		6.00000	-83.00000	0.00000	0.041184	9.8080	5.8076	-	-	-
		7.00000	-83.00000	0.00000	0.041199	9.8115	5.8047	-	-	-
		8.00000	-83.00000	0.00000	0.041213	9.8150	5.8017	-	-	-
		9.00000	-83.00000	0.00000	0.041228	9.8184	5.7988	-	-	-
		10.00000	-83.00000	0.00000	0.041243	9.8219	5.7958	-	-	-
		11.00000	-83.00000	0.00000	0.041257	9.8254	5.7928	-	-	-
		12.00000	-83.00000	0.00000	0.041272	9.8288	5.7898	-	-	-
		13.00000	-83.00000	0.00000	0.041286	9.8323	5.7868	-	-	-
		14.00000	-83.00000	0.00000	0.041301	9.8358	5.7838	-	-	-
		15.00000	-83.00000	0.00000	0.041315	9.8392	5.7808	-	-	-
		16.00000	-83.00000	0.00000	0.041330	9.8427	5.7777	-	-	-
		17.00000	-83.00000	0.00000	0.041345	9.8462	5.7747	-	-	-
		18.00000	-83.00000	0.00000	0.041359	9.8497	5.7717	-	-	-
		19.00000	-83.00000	0.00000	0.041374	9.8531	5.7686	-	-	-
		20.00000	-83.00000	0.00000	0.041388	9.8566	5.7655	-	-	-
		21.00000	-83.00000	0.00000	0.041403	9.8601	5.7625	-	-	-
		22.00000	-83.00000	0.00000	0.041418	9.8636	5.7594	-	-	-
		23.00000	-83.00000	0.00000	0.041432	9.8670	5.7563	-	-	-
		24.00000	-83.00000	0.00000	-5.5421	1.4200	3.8194	-	-	-
		25.00000	-83.00000	0.00000	-5.4328	0.68325	4.1311	-	-	-
		26.00000	-83.00000	0.00000	-5.0467	0.42056	4.1360	-	-	-
		27.00000	-83.00000	0.00000	-4.6172	0.28770	3.9608	-	-	-
		28.00000	-83.00000	0.00000	-4.1829	0.20813	3.6686	-	-	-
		29.00000	-83.00000	0.00000	-3.7546	0.15550	3.3064	-	-	-
		30.00000	-83.00000	0.00000	-3.3356	0.11831	2.9118	-	-	-
		31.00000	-83.00000	0.00000	-2.9266	0.090768	2.5145	-	-	-
		32.00000	-83.00000	0.00000	-2.5272	0.069637	2.1375	-	-	-
		33.00000	-83.00000	0.00000	-2.1365	0.052962	1.7964	-	-	-
		34.00000	-83.00000	0.00000	-1.7532	0.039496	1.5005	-	-	-
		35.00000	-83.00000	0.00000	-1.3759	0.028405	1.2519	-	-	-
		36.00000	-83.00000	0.00000	-1.0031	0.019112	1.0464	-	-	-
		37.00000	-83.00000	0.00000	-0.63328	0.011202	0.87286	-	-	-
		38.00000	-83.00000	0.00000	-0.26482	0.0043712	0.71345	-	-	-
		39.00000	-83.00000	0.00000	-0.0085498	132.28E-6	0.54374	-	-	-
		40.00000	-83.00000	0.00000	0.0	0.0	0.40603	-	-	-
		41.00000	-83.00000	0.00000	0.0	0.0	0.27230	-	-	-
		42.00000	-83.00000	0.00000	0.0	0.0	0.13849	-	-	-
		43.00000	-83.00000	0.00000	0.0	0.0	0.0046163	-	-	-
		44.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		57.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-83.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-82.00000	0.00000	0.0	0.0	0.085272	-	-	-
		-29.00000	-82.00000	0.00000	0.0	0.0	0.21643	-	-	-
		-28.00000	-82.00000	0.00000	0.0	0.0	0.34569	-	-	-
		-27.00000	-82.00000	0.00000	0.0	0.0	0.47270	-	-	-
		-26.00000	-82.00000	0.00000	0.10667	0.036672	0.61929	-	-	-
		-25.00000	-82.00000	0.00000	0.37039	0.13662	0.76744	-	-	-
		-24.00000	-82.00000	0.00000	0.68039	0.27072	0.91058	-	-	-
		-23.00000	-82.00000	0.00000	0.97408	0.42068	1.0654	-	-	-
		-22.00000	-82.00000	0.00000	1.2478	0.58923	1.2416	-	-	-
		-21.00000	-82.00000	0.00000	1.5332	0.79859	1.4781	-	-	-
		-20.00000	-82.00000	0.00000	1.8081	1.0500	1.7584	-	-	-
		-19.00000	-82.00000	0.00000	2.0621	1.3528	2.0792	-	-	-
		-18.00000	-82.00000	0.00000	2.2812	1.7197	2.4356	-	-	-
		-17.00000	-82.00000	0.00000	2.4429	2.1642	2.8191	-	-	-
		-16.00000	-82.00000	0.00000	2.5123	2.6986	3.2190	-	-	-
		-15.00000	-82.00000	0.00000	2.4383	3.3256	3.6231	-	-	-
		-14.00000	-82.00000	0.00000	3.1593	4.9019	5.1328	-	-	-
		-13.00000	-82.00000	0.00000	3.3551	5.2056	5.4371	-	-	-
		-12.00000	-82.00000	0.00000	3.5548	5.5155	5.7171	-	-	-
		-11.00000	-82.00000	0.00000	3.7588	5.8320	5.9636	-	-	-
		-10.00000	-82.00000	0.00000	3.9671	6.1552	6.1664	-	-	-
		-9.00000	-82.00000	0.00000	4.1801	6.4857	6.3147	-	-	-
		-8.00000	-82.00000	0.00000	4.3980	6.8237	6.3966	-	-	-
		-7.00000	-82.00000	0.00000	4.6209	7.1696	6.3994	-	-	-
		-6.00000	-82.00000	0.00000	4.8491	7.5237	6.3096	-	-	-
		-5.00000	-82.00000	0.00000	5.0828	7.8863	6.1128	-	-	-
		-4.00000	-82.00000	0.00000	5.3223	8.2578	5.7937	-	-	-
		-3.00000	-82.00000	0.00000			Point lies within an excavation.			
		-2.00000	-82.00000	0.00000			Point lies within an excavation.			
		-1.00000	-82.00000	0.00000			Point lies within an excavation.			
		0.00000	-82.00000	0.00000			Point lies within an excavation.			
		1.00000	-82.00000	0.00000			Point lies within an excavation.			
		2.00000	-82.00000	0.00000			Point lies within an excavation.			
		3.00000	-82.00000	0.00000			Point lies within an excavation.			
		4.00000	-82.00000	0.00000			Point lies within an excavation.			
		5.00000	-82.00000	0.00000			Point lies within an excavation.			
		6.00000	-82.00000	0.00000			Point lies within an excavation.			
		7.00000	-82.00000	0.00000			Point lies within an excavation.			
		8.00000	-82.00000	0.00000			Point lies within an excavation.			
		9.00000	-82.00000	0.00000			Point lies within an excavation.			
		10.00000	-82.00000	0.00000			Point lies within an excavation.			
		11.00000	-82.00000	0.00000			Point lies within an excavation.			
		12.00000	-82.00000	0.00000			Point lies within an excavation.			
		13.00000	-82.00000	0.00000			Point lies within an excavation.			
		14.00000	-82.00000	0.00000			Point lies within an excavation.			
		15.00000	-82.00000	0.00000			Point lies within an excavation.			
		16.00000	-82.00000	0.00000			Point lies within an excavation.			
		17.00000	-82.00000	0.00000			Point lies within an excavation.			
		18.00000	-82.00000	0.00000			Point lies within an excavation.			
		19.00000	-82.00000	0.00000			Point lies within an excavation.			
		20.00000	-82.00000	0.00000			Point lies within an excavation.			
		21.00000	-82.00000	0.00000			Point lies within an excavation.			
		22.00000	-82.00000	0.00000			Point lies within an excavation.			
		23.00000	-82.00000	0.00000			Point lies within an excavation.			
		24.00000	-82.00000	0.00000	-9.2874	0.068050	6.1654	-	-	-
		25.00000	-82.00000	0.00000	-8.5031	0.062304	6.4018	-	-	-
		26.00000	-82.00000	0.00000	-7.7520	0.056800	6.3251	-	-	-
		27.00000	-82.00000	0.00000	-7.0316	0.051521	6.0177	-	-	-
		28.00000	-82.00000	0.00000	-6.3392	0.046449	5.5522	-	-	-
		29.00000	-82.00000	0.00000	-5.6724	0.041563	4.9913	-	-	-
		30.00000	-82.00000	0.00000	-5.0286	0.036846	4.3876	-	-	-
		31.00000	-82.00000	0.00000	-4.4053	0.032278	3.7839	-	-	-
		32.00000	-82.00000	0.00000	-3.7999	0.027842	3.2131	-	-	-
		33.00000	-82.00000	0.00000	-3.2098	0.023519	2.6981	-	-	-
		34.00000	-82.00000	0.00000	-2.6325	0.019289	2.2519	-	-	-
		35.00000	-82.00000	0.00000	-2.0655	0.015134	1.8777	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		36.00000	-82.00000	0.00000	-1.5062	0.011036	1.5685	-	-	-
		37.00000	-82.00000	0.00000	-0.95201	0.0069756	1.3078	-	-	-
		38.00000	-82.00000	0.00000	-0.40047	0.0029343	1.0689	-	-	-
		39.00000	-82.00000	0.00000	-0.015729	115.25E-6	0.81506	-	-	-
		40.00000	-82.00000	0.00000	0.0	0.0	0.60839	-	-	-
		41.00000	-82.00000	0.00000	0.0	0.0	0.40840	-	-	-
		42.00000	-82.00000	0.00000	0.0	0.0	0.20841	-	-	-
		43.00000	-82.00000	0.00000	0.0	0.0	0.0084106	-	-	-
		44.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-82.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-81.00000	0.00000	0.0	0.0	0.11959	-	-	-
		-29.00000	-81.00000	0.00000	0.0	0.0	0.25465	-	-	-
		-28.00000	-81.00000	0.00000	0.0	0.0	0.38818	-	-	-
		-27.00000	-81.00000	0.00000	0.0	0.0	0.51992	-	-	-
		-26.00000	-81.00000	0.00000	0.18411	0.050776	0.68233	-	-	-
		-25.00000	-81.00000	0.00000	0.50009	0.14798	0.83480	-	-	-
		-24.00000	-81.00000	0.00000	0.83383	0.26615	0.99019	-	-	-
		-23.00000	-81.00000	0.00000	1.1554	0.40031	1.1649	-	-	-
		-22.00000	-81.00000	0.00000	1.4620	0.55382	1.3683	-	-	-
		-21.00000	-81.00000	0.00000	1.7487	0.73068	1.6024	-	-	-
		-20.00000	-81.00000	0.00000	2.0083	0.93553	1.8627	-	-	-
		-19.00000	-81.00000	0.00000	2.2915	1.2060	2.1971	-	-	-
		-18.00000	-81.00000	0.00000	2.5626	1.5497	2.5775	-	-	-
		-17.00000	-81.00000	0.00000	2.7908	1.9834	2.9856	-	-	-
		-16.00000	-81.00000	0.00000	2.9398	2.5332	3.4107	-	-	-
		-15.00000	-81.00000	0.00000	2.9466	3.2240	3.8424	-	-	-
		-14.00000	-81.00000	0.00000	2.7103	4.0610	4.2713	-	-	-
		-13.00000	-81.00000	0.00000	3.6668	5.6892	5.8578	-	-	-
		-12.00000	-81.00000	0.00000	3.8731	6.0094	6.0815	-	-	-
		-11.00000	-81.00000	0.00000	4.0840	6.3366	6.2557	-	-	-
		-10.00000	-81.00000	0.00000	4.2997	6.6712	6.3689	-	-	-
		-9.00000	-81.00000	0.00000	4.5203	7.0135	6.4088	-	-	-
		-8.00000	-81.00000	0.00000	4.7461	7.3638	6.3622	-	-	-
		-7.00000	-81.00000	0.00000	4.9773	7.7226	6.2152	-	-	-
		-6.00000	-81.00000	0.00000	5.2142	8.0901	5.9529	-	-	-
		-5.00000	-81.00000	0.00000	5.4569	8.4667	5.5597	-	-	-
		-4.00000	-81.00000	0.00000			Point lies within an excavation.			
		-3.00000	-81.00000	0.00000			Point lies within an excavation.			
		-2.00000	-81.00000	0.00000			Point lies within an excavation.			
		-1.00000	-81.00000	0.00000			Point lies within an excavation.			
		0.00000	-81.00000	0.00000			Point lies within an excavation.			
		1.00000	-81.00000	0.00000			Point lies within an excavation.			
		2.00000	-81.00000	0.00000			Point lies within an excavation.			
		3.00000	-81.00000	0.00000			Point lies within an excavation.			
		4.00000	-81.00000	0.00000			Point lies within an excavation.			
		5.00000	-81.00000	0.00000			Point lies within an excavation.			
		6.00000	-81.00000	0.00000			Point lies within an excavation.			
		7.00000	-81.00000	0.00000			Point lies within an excavation.			
		8.00000	-81.00000	0.00000			Point lies within an excavation.			
		9.00000	-81.00000	0.00000			Point lies within an excavation.			
		10.00000	-81.00000	0.00000			Point lies within an excavation.			
		11.00000	-81.00000	0.00000			Point lies within an excavation.			
		12.00000	-81.00000	0.00000			Point lies within an excavation.			
		13.00000	-81.00000	0.00000			Point lies within an excavation.			
		14.00000	-81.00000	0.00000			Point lies within an excavation.			

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		15.00000	-81.00000	0.00000			Point lies within an excavation.			
		16.00000	-81.00000	0.00000			Point lies within an excavation.			
		17.00000	-81.00000	0.00000			Point lies within an excavation.			
		18.00000	-81.00000	0.00000			Point lies within an excavation.			
		19.00000	-81.00000	0.00000			Point lies within an excavation.			
		20.00000	-81.00000	0.00000			Point lies within an excavation.			
		21.00000	-81.00000	0.00000			Point lies within an excavation.			
		22.00000	-81.00000	0.00000			Point lies within an excavation.			
		23.00000	-81.00000	0.00000			Point lies within an excavation.			
		24.00000	-81.00000	0.00000	-9.2932	0.068093	6.1623	-	-	-
		25.00000	-81.00000	0.00000	-8.5087	0.062345	6.4013	-	-	-
		26.00000	-81.00000	0.00000	-7.7574	0.056840	6.3266	-	-	-
		27.00000	-81.00000	0.00000	-7.0367	0.051559	6.0206	-	-	-
		28.00000	-81.00000	0.00000	-6.3442	0.046485	5.5561	-	-	-
		29.00000	-81.00000	0.00000	-5.6772	0.041598	4.9956	-	-	-
		30.00000	-81.00000	0.00000	-5.0333	0.036880	4.3921	-	-	-
		31.00000	-81.00000	0.00000	-4.4098	0.032311	3.7882	-	-	-
		32.00000	-81.00000	0.00000	-3.8042	0.027874	3.2171	-	-	-
		33.00000	-81.00000	0.00000	-3.2141	0.023550	2.7016	-	-	-
		34.00000	-81.00000	0.00000	-2.6367	0.019319	2.2549	-	-	-
		35.00000	-81.00000	0.00000	-2.0696	0.015164	1.8801	-	-	-
		36.00000	-81.00000	0.00000	-1.5102	0.011066	1.5706	-	-	-
		37.00000	-81.00000	0.00000	-0.95606	0.0070052	1.3096	-	-	-
		38.00000	-81.00000	0.00000	-0.40451	0.0029639	1.0706	-	-	-
		39.00000	-81.00000	0.00000	-0.018477	135.38E-6	0.81708	-	-	-
		40.00000	-81.00000	0.00000	0.0	0.0	0.60986	-	-	-
		41.00000	-81.00000	0.00000	0.0	0.0	0.40987	-	-	-
		42.00000	-81.00000	0.00000	0.0	0.0	0.20987	-	-	-
		43.00000	-81.00000	0.00000	0.0	0.0	0.0098760	-	-	-
		44.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-81.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-80.00000	0.00000	0.0	0.0	0.0081536	-	-	-
		-30.00000	-80.00000	0.00000	0.0	0.0	0.14793	-	-	-
		-29.00000	-80.00000	0.00000	0.0	0.0	0.28674	-	-	-
		-28.00000	-80.00000	0.00000	0.0	0.0	0.42443	-	-	-
		-27.00000	-80.00000	0.00000	0.0	0.0	0.56078	-	-	-
		-26.00000	-80.00000	0.00000	0.25103	0.052162	0.73602	-	-	-
		-25.00000	-80.00000	0.00000	0.61411	0.13692	0.89493	-	-	-
		-24.00000	-80.00000	0.00000	0.97145	0.23363	1.0636	-	-	-
		-23.00000	-80.00000	0.00000	1.3213	0.34493	1.2585	-	-	-
		-22.00000	-80.00000	0.00000	1.6620	0.47437	1.4887	-	-	-
		-21.00000	-80.00000	0.00000	1.9901	0.62654	1.7560	-	-	-
		-20.00000	-80.00000	0.00000	2.3001	0.80729	2.0549	-	-	-
		-19.00000	-80.00000	0.00000	2.5826	1.0240	2.3728	-	-	-
		-18.00000	-80.00000	0.00000	2.8224	1.2860	2.6901	-	-	-
		-17.00000	-80.00000	0.00000	3.0929	1.6562	3.0776	-	-	-
		-16.00000	-80.00000	0.00000	3.3430	2.1704	3.5076	-	-	-
		-15.00000	-80.00000	0.00000	3.4810	2.8697	3.9425	-	-	-
		-14.00000	-80.00000	0.00000	3.3794	3.8151	4.3794	-	-	-
		-13.00000	-80.00000	0.00000	3.9889	6.1890	6.1845	-	-	-
		-12.00000	-80.00000	0.00000	4.2024	6.5202	6.3264	-	-	-
		-11.00000	-80.00000	0.00000	4.4207	6.8590	6.4008	-	-	-
		-10.00000	-80.00000	0.00000	4.6442	7.2057	6.3946	-	-	-
		-9.00000	-80.00000	0.00000	4.8729	7.5606	6.2945	-	-	-
		-8.00000	-80.00000	0.00000	5.1072	7.9242	6.0858	-	-	-
		-7.00000	-80.00000	0.00000	5.3473	8.2966	5.7533	-	-	-

Oasys
3-6 Spring Place, London
Combined

GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)

Job No. J16143 | Sheet No. | Rev.
Drg. Ref.
Made by JD | Date 23-Aug-2016 | Checked

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		-6.00000	-80.00000	0.00000			Point lies within an excavation.			
		-5.00000	-80.00000	0.00000			Point lies within an excavation.			
		-4.00000	-80.00000	0.00000			Point lies within an excavation.			
		-3.00000	-80.00000	0.00000			Point lies within an excavation.			
		-2.00000	-80.00000	0.00000			Point lies within an excavation.			
		-1.00000	-80.00000	0.00000			Point lies within an excavation.			
		0.00000	-80.00000	0.00000			Point lies within an excavation.			
		1.00000	-80.00000	0.00000			Point lies within an excavation.			
		2.00000	-80.00000	0.00000			Point lies within an excavation.			
		3.00000	-80.00000	0.00000			Point lies within an excavation.			
		4.00000	-80.00000	0.00000			Point lies within an excavation.			
		5.00000	-80.00000	0.00000			Point lies within an excavation.			
		6.00000	-80.00000	0.00000			Point lies within an excavation.			
		7.00000	-80.00000	0.00000			Point lies within an excavation.			
		8.00000	-80.00000	0.00000			Point lies within an excavation.			
		9.00000	-80.00000	0.00000			Point lies within an excavation.			
		10.00000	-80.00000	0.00000			Point lies within an excavation.			
		11.00000	-80.00000	0.00000			Point lies within an excavation.			
		12.00000	-80.00000	0.00000			Point lies within an excavation.			
		13.00000	-80.00000	0.00000			Point lies within an excavation.			
		14.00000	-80.00000	0.00000			Point lies within an excavation.			
		15.00000	-80.00000	0.00000			Point lies within an excavation.			
		16.00000	-80.00000	0.00000			Point lies within an excavation.			
		17.00000	-80.00000	0.00000			Point lies within an excavation.			
		18.00000	-80.00000	0.00000			Point lies within an excavation.			
		19.00000	-80.00000	0.00000			Point lies within an excavation.			
		20.00000	-80.00000	0.00000			Point lies within an excavation.			
		21.00000	-80.00000	0.00000			Point lies within an excavation.			
		22.00000	-80.00000	0.00000			Point lies within an excavation.			
		23.00000	-80.00000	0.00000			Point lies within an excavation.			
		24.00000	-80.00000	0.00000	-9.2991	0.068136	6.1592	-	-	-
		25.00000	-80.00000	0.00000	-8.5143	0.062386	6.4008	-	-	-
		26.00000	-80.00000	0.00000	-7.7628	0.056879	6.3281	-	-	-
		27.00000	-80.00000	0.00000	-7.0419	0.051597	6.0235	-	-	-
		28.00000	-80.00000	0.00000	-6.3492	0.046521	5.5599	-	-	-
		29.00000	-80.00000	0.00000	-5.6820	0.041633	5.0000	-	-	-
		30.00000	-80.00000	0.00000	-5.0379	0.036914	4.3965	-	-	-
		31.00000	-80.00000	0.00000	-4.4143	0.032344	3.7926	-	-	-
		32.00000	-80.00000	0.00000	-3.8086	0.027906	3.2211	-	-	-
		33.00000	-80.00000	0.00000	-3.2183	0.023581	2.7051	-	-	-
		34.00000	-80.00000	0.00000	-2.6409	0.019350	2.2579	-	-	-
		35.00000	-80.00000	0.00000	-2.0737	0.015195	1.8826	-	-	-
		36.00000	-80.00000	0.00000	-1.5143	0.011096	1.5727	-	-	-
		37.00000	-80.00000	0.00000	-0.96011	0.0070349	1.3114	-	-	-
		38.00000	-80.00000	0.00000	-0.40855	0.0029935	1.0724	-	-	-
		39.00000	-80.00000	0.00000	-0.021224	155.51E-6	0.81910	-	-	-
		40.00000	-80.00000	0.00000	0.0	0.0	0.61133	-	-	-
		41.00000	-80.00000	0.00000	0.0	0.0	0.41133	-	-	-
		42.00000	-80.00000	0.00000	0.0	0.0	0.21134	-	-	-
		43.00000	-80.00000	0.00000	0.0	0.0	0.011341	-	-	-
		44.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-80.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-79.00000	0.00000	0.0	0.0	0.026802	-	-	-
		-30.00000	-79.00000	0.00000	0.0	0.0	0.16977	-	-	-
		-29.00000	-79.00000	0.00000	0.0	0.0	0.31211	-	-	-
		-28.00000	-79.00000	0.00000	0.0	0.0	0.45372	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		-27.00000	-79.00000	0.00000	0.042254	0.0055309	0.60529	-	-	-
		-26.00000	-79.00000	0.00000	0.32474	0.045398	0.78025	-	-	-
		-25.00000	-79.00000	0.00000	0.70701	0.10605	0.94643	-	-	-
		-24.00000	-79.00000	0.00000	1.0863	0.17576	1.1279	-	-	-
		-23.00000	-79.00000	0.00000	1.4628	0.25690	1.3415	-	-	-
		-22.00000	-79.00000	0.00000	1.8362	0.35260	1.5964	-	-	-
		-21.00000	-79.00000	0.00000	2.2051	0.46704	1.8944	-	-	-
		-20.00000	-79.00000	0.00000	2.5663	0.60599	2.2300	-	-	-
		-19.00000	-79.00000	0.00000	2.9143	0.77744	2.5899	-	-	-
		-18.00000	-79.00000	0.00000	3.2386	0.99279	2.9533	-	-	-
		-17.00000	-79.00000	0.00000	3.5207	1.2684	3.2915	-	-	-
		-16.00000	-79.00000	0.00000	3.7253	1.6272	3.5677	-	-	-
		-15.00000	-79.00000	0.00000	3.9474	2.1893	3.8967	-	-	-
		-14.00000	-79.00000	0.00000	4.0916	3.1076	4.2961	-	-	-
		-13.00000	-79.00000	0.00000	3.7688	4.5394	4.7222	-	-	-
		-12.00000	-79.00000	0.00000	4.5433	7.0492	6.4082	-	-	-
		-11.00000	-79.00000	0.00000	4.7697	7.4004	6.3519	-	-	-
		-10.00000	-79.00000	0.00000	5.0015	7.7601	6.1938	-	-	-
		-9.00000	-79.00000	0.00000	5.2389	8.1285	5.9187	-	-	-
		-8.00000	-79.00000	0.00000		Point lies within an excavation.				
		-7.00000	-79.00000	0.00000		Point lies within an excavation.				
		-6.00000	-79.00000	0.00000		Point lies within an excavation.				
		-5.00000	-79.00000	0.00000		Point lies within an excavation.				
		-4.00000	-79.00000	0.00000		Point lies within an excavation.				
		-3.00000	-79.00000	0.00000		Point lies within an excavation.				
		-2.00000	-79.00000	0.00000		Point lies within an excavation.				
		-1.00000	-79.00000	0.00000		Point lies within an excavation.				
		0.00000	-79.00000	0.00000		Point lies within an excavation.				
		1.00000	-79.00000	0.00000		Point lies within an excavation.				
		2.00000	-79.00000	0.00000		Point lies within an excavation.				
		3.00000	-79.00000	0.00000		Point lies within an excavation.				
		4.00000	-79.00000	0.00000		Point lies within an excavation.				
		5.00000	-79.00000	0.00000		Point lies within an excavation.				
		6.00000	-79.00000	0.00000		Point lies within an excavation.				
		7.00000	-79.00000	0.00000		Point lies within an excavation.				
		8.00000	-79.00000	0.00000		Point lies within an excavation.				
		9.00000	-79.00000	0.00000		Point lies within an excavation.				
		10.00000	-79.00000	0.00000		Point lies within an excavation.				
		11.00000	-79.00000	0.00000		Point lies within an excavation.				
		12.00000	-79.00000	0.00000		Point lies within an excavation.				
		13.00000	-79.00000	0.00000		Point lies within an excavation.				
		14.00000	-79.00000	0.00000		Point lies within an excavation.				
		15.00000	-79.00000	0.00000		Point lies within an excavation.				
		16.00000	-79.00000	0.00000		Point lies within an excavation.				
		17.00000	-79.00000	0.00000		Point lies within an excavation.				
		18.00000	-79.00000	0.00000		Point lies within an excavation.				
		19.00000	-79.00000	0.00000		Point lies within an excavation.				
		20.00000	-79.00000	0.00000		Point lies within an excavation.				
		21.00000	-79.00000	0.00000	-5.5332	-7.9469	5.9088	-	-	-
		24.00000	-79.00000	0.00000	-5.4673	-3.5674	4.4420	-	-	-
		25.00000	-79.00000	0.00000	-5.8637	-1.8549	4.6657	-	-	-
		26.00000	-79.00000	0.00000	-5.6674	-1.1832	4.7372	-	-	-
		27.00000	-79.00000	0.00000	-5.2727	-0.82148	4.5715	-	-	-
		28.00000	-79.00000	0.00000	-4.8201	-0.59898	4.2552	-	-	-
		29.00000	-79.00000	0.00000	-4.3509	-0.44966	3.8486	-	-	-
		30.00000	-79.00000	0.00000	-3.8801	-0.34323	3.3982	-	-	-
		31.00000	-79.00000	0.00000	-3.4139	-0.26397	2.9407	-	-	-
		32.00000	-79.00000	0.00000	-2.9545	-0.20289	2.5040	-	-	-
		33.00000	-79.00000	0.00000	-2.5023	-0.15455	2.1073	-	-	-
		34.00000	-79.00000	0.00000	-2.0568	-0.11543	1.7621	-	-	-
		35.00000	-79.00000	0.00000	-1.6169	-0.083140	1.4716	-	-	-
		36.00000	-79.00000	0.00000	-1.1813	-0.056046	1.2309	-	-	-
		37.00000	-79.00000	0.00000	-0.74830	-0.032957	1.0275	-	-	-
		38.00000	-79.00000	0.00000	-0.31635	-0.013000	0.84072	-	-	-
		39.00000	-79.00000	0.00000	-0.013902	-535.45E-6	0.64203	-	-	-
		40.00000	-79.00000	0.00000	0.0	0.0	0.47962	-	-	-
		41.00000	-79.00000	0.00000	0.0	0.0	0.32253	-	-	-
		42.00000	-79.00000	0.00000	0.0	0.0	0.16525	-	-	-
		43.00000	-79.00000	0.00000	0.0	0.0	0.0078089	-	-	-
		44.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-79.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		-48.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-78.00000	0.00000	0.0	0.0	0.038716	-	-	-
		-30.00000	-78.00000	0.00000	0.0	0.0	0.18459	-	-	-
		-29.00000	-78.00000	0.00000	0.0	0.0	0.33016	-	-	-
		-28.00000	-78.00000	0.00000	0.0	0.0	0.47537	-	-	-
		-27.00000	-78.00000	0.00000	0.070180	0.0047183	0.63597	-	-	-
		-26.00000	-78.00000	0.00000	0.37578	0.026982	0.81436	-	-	-
		-25.00000	-78.00000	0.00000	0.77356	0.059596	0.98752	-	-	-
		-24.00000	-78.00000	0.00000	1.1715	0.097355	1.1801	-	-	-
		-23.00000	-78.00000	0.00000	1.5708	0.14169	1.4093	-	-	-
		-22.00000	-78.00000	0.00000	1.9723	0.19452	1.6848	-	-	-
		-21.00000	-78.00000	0.00000	2.3766	0.25855	2.0091	-	-	-
		-20.00000	-78.00000	0.00000	2.7835	0.33759	2.3769	-	-	-
		-19.00000	-78.00000	0.00000	3.1915	0.43730	2.7753	-	-	-
		-18.00000	-78.00000	0.00000	3.5972	0.56636	3.1839	-	-	-
		-17.00000	-78.00000	0.00000	3.9927	0.73879	3.5738	-	-	-
		-16.00000	-78.00000	0.00000	4.3614	0.97847	3.9074	-	-	-
		-15.00000	-78.00000	0.00000	4.6656	1.3291	4.1363	-	-	-
		-14.00000	-78.00000	0.00000	4.8073	1.8753	4.1962	-	-	-
		-13.00000	-78.00000	0.00000	4.8291	2.9874	4.2958	-	-	-
		-12.00000	-78.00000	0.00000	3.8375	5.7318	4.7911	-	-	-
		-11.00000	-78.00000	0.00000	5.1317	7.9622	6.0575	-	-	-
		-10.00000	-78.00000	0.00000	5.3724	8.3356	5.7113	-	-	-
		-9.00000	-78.00000	0.00000		Point lies within an excavation.				
		-8.00000	-78.00000	0.00000		Point lies within an excavation.				
		-7.00000	-78.00000	0.00000		Point lies within an excavation.				
		-6.00000	-78.00000	0.00000		Point lies within an excavation.				
		-5.00000	-78.00000	0.00000		Point lies within an excavation.				
		-4.00000	-78.00000	0.00000		Point lies within an excavation.				
		-3.00000	-78.00000	0.00000		Point lies within an excavation.				
		-2.00000	-78.00000	0.00000		Point lies within an excavation.				
		-1.00000	-78.00000	0.00000		Point lies within an excavation.				
		0.00000	-78.00000	0.00000		Point lies within an excavation.				
		1.00000	-78.00000	0.00000		Point lies within an excavation.				
		2.00000	-78.00000	0.00000		Point lies within an excavation.				
		3.00000	-78.00000	0.00000		Point lies within an excavation.				
		4.00000	-78.00000	0.00000		Point lies within an excavation.				
		5.00000	-78.00000	0.00000		Point lies within an excavation.				
		6.00000	-78.00000	0.00000		Point lies within an excavation.				
		7.00000	-78.00000	0.00000		Point lies within an excavation.				
		8.00000	-78.00000	0.00000		Point lies within an excavation.				
		9.00000	-78.00000	0.00000		Point lies within an excavation.				
		10.00000	-78.00000	0.00000		Point lies within an excavation.				
		11.00000	-78.00000	0.00000		Point lies within an excavation.				
		12.00000	-78.00000	0.00000		Point lies within an excavation.				
		13.00000	-78.00000	0.00000		Point lies within an excavation.				
		14.00000	-78.00000	0.00000		Point lies within an excavation.				
		15.00000	-78.00000	0.00000		Point lies within an excavation.				
		16.00000	-78.00000	0.00000		Point lies within an excavation.				
		17.00000	-78.00000	0.00000		Point lies within an excavation.				
		18.00000	-78.00000	0.00000		Point lies within an excavation.				
		19.00000	-78.00000	0.00000		Point lies within an excavation.				
		20.00000	-78.00000	0.00000		Point lies within an excavation.				
		21.00000	-78.00000	0.00000	-5.6851	-8.1651	5.6810	-	-	-
		22.00000	-78.00000	0.00000	-5.4171	-7.7802	6.0526	-	-	-
		23.00000	-78.00000	0.00000	-5.1558	-7.4050	6.2842	-	-	-
		24.00000	-78.00000	0.00000	-4.9011	-7.0391	6.3941	-	-	-
		25.00000	-78.00000	0.00000	-4.5820	-3.8100	4.7170	-	-	-
		26.00000	-78.00000	0.00000	-4.5571	-2.5009	4.3370	-	-	-
		27.00000	-78.00000	0.00000	-4.4849	-1.8367	4.1860	-	-	-
		28.00000	-78.00000	0.00000	-4.2649	-1.3932	3.9398	-	-	-
		29.00000	-78.00000	0.00000	-3.9438	-1.0714	3.5930	-	-	-
		30.00000	-78.00000	0.00000	-3.5731	-0.83086	3.1933	-	-	-
		31.00000	-78.00000	0.00000	-3.1778	-0.64589	2.7784	-	-	-
		32.00000	-78.00000	0.00000	-2.7706	-0.50014	2.3769	-	-	-
		33.00000	-78.00000	0.00000	-2.3580	-0.38284	2.0090	-	-	-
		34.00000	-78.00000	0.00000	-1.9434	-0.28668	1.6867	-	-	-
		35.00000	-78.00000	0.00000	-1.5281	-0.20654	1.4139	-	-	-
		36.00000	-78.00000	0.00000	-1.1123	-0.13873	1.1865	-	-	-
		37.00000	-78.00000	0.00000	-0.69582	-0.080558	0.99239	-	-	-
		38.00000	-78.00000	0.00000	-0.27956	-0.030199	0.81155	-	-	-
		39.00000	-78.00000	0.00000	0.0	0.0	0.61477	-	-	-
		40.00000	-78.00000	0.00000	0.0	0.0	0.46171	-	-	-
		41.00000	-78.00000	0.00000	0.0	0.0	0.30801	-	-	-
		42.00000	-78.00000	0.00000	0.0	0.0	0.15375	-	-	-
		43.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		82.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-78.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-77.00000	0.00000	0.0	0.0	0.043482	-	-	-
		-30.00000	-77.00000	0.00000	0.0	0.0	0.19192	-	-	-
		-29.00000	-77.00000	0.00000	0.0	0.0	0.34034	-	-	-
		-28.00000	-77.00000	0.00000	0.0	0.0	0.48874	-	-	-
		-27.00000	-77.00000	0.00000	0.081505	290.59E-6	0.65489	-	-	-
		-26.00000	-77.00000	0.00000	0.39979	0.0015223	0.83746	-	-	-
		-25.00000	-77.00000	0.00000	0.80930	0.0033064	1.0165	-	-	-
		-24.00000	-77.00000	0.00000	1.2211	0.0053816	1.2172	-	-	-
		-23.00000	-77.00000	0.00000	1.6372	0.0078313	1.4577	-	-	-
		-22.00000	-77.00000	0.00000	2.0593	0.010770	1.7482	-	-	-
		-21.00000	-77.00000	0.00000	2.4892	0.014360	2.0922	-	-	-
		-20.00000	-77.00000	0.00000	2.9289	0.018838	2.4852	-	-	-
		-19.00000	-77.00000	0.00000	3.3802	0.024561	2.9157	-	-	-
		-18.00000	-77.00000	0.00000	3.8446	0.032100	3.3648	-	-	-
		-17.00000	-77.00000	0.00000	4.3238	0.042428	3.8058	-	-	-
		-16.00000	-77.00000	0.00000	4.8192	0.057335	4.2049	-	-	-
		-15.00000	-77.00000	0.00000	5.3315	0.080540	4.5205	-	-	-
		-14.00000	-77.00000	0.00000	5.8595	0.12122	4.7026	-	-	-
		-13.00000	-77.00000	0.00000	6.3949	0.20979	4.6906	-	-	-
		-12.00000	-77.00000	0.00000	6.8646	0.54373	4.3886	-	-	-
		-11.00000	-77.00000	0.00000			Point lies within an excavation.			
		-10.00000	-77.00000	0.00000			Point lies within an excavation.			
		-9.00000	-77.00000	0.00000			Point lies within an excavation.			
		-8.00000	-77.00000	0.00000			Point lies within an excavation.			
		-7.00000	-77.00000	0.00000			Point lies within an excavation.			
		-6.00000	-77.00000	0.00000			Point lies within an excavation.			
		-5.00000	-77.00000	0.00000			Point lies within an excavation.			
		-4.00000	-77.00000	0.00000			Point lies within an excavation.			
		-3.00000	-77.00000	0.00000			Point lies within an excavation.			
		-2.00000	-77.00000	0.00000			Point lies within an excavation.			
		-1.00000	-77.00000	0.00000			Point lies within an excavation.			
		0.00000	-77.00000	0.00000			Point lies within an excavation.			
		1.00000	-77.00000	0.00000			Point lies within an excavation.			
		2.00000	-77.00000	0.00000			Point lies within an excavation.			
		3.00000	-77.00000	0.00000			Point lies within an excavation.			
		4.00000	-77.00000	0.00000			Point lies within an excavation.			
		5.00000	-77.00000	0.00000			Point lies within an excavation.			
		6.00000	-77.00000	0.00000			Point lies within an excavation.			
		7.00000	-77.00000	0.00000			Point lies within an excavation.			
		8.00000	-77.00000	0.00000			Point lies within an excavation.			
		9.00000	-77.00000	0.00000			Point lies within an excavation.			
		10.00000	-77.00000	0.00000			Point lies within an excavation.			
		11.00000	-77.00000	0.00000			Point lies within an excavation.			
		12.00000	-77.00000	0.00000			Point lies within an excavation.			
		13.00000	-77.00000	0.00000			Point lies within an excavation.			
		14.00000	-77.00000	0.00000			Point lies within an excavation.			
		15.00000	-77.00000	0.00000			Point lies within an excavation.			
		16.00000	-77.00000	0.00000			Point lies within an excavation.			
		17.00000	-77.00000	0.00000			Point lies within an excavation.			
		18.00000	-77.00000	0.00000			Point lies within an excavation.			
		19.00000	-77.00000	0.00000	-5.5673	-7.9960	5.8615	-	-	-
		20.00000	-77.00000	0.00000	-5.3023	-7.6153	6.1698	-	-	-
		21.00000	-77.00000	0.00000	-5.0439	-7.2442	6.3461	-	-	-
		22.00000	-77.00000	0.00000	-4.7919	-6.8823	6.4082	-	-	-
		23.00000	-77.00000	0.00000	-4.5461	-6.5292	6.3725	-	-	-
		24.00000	-77.00000	0.00000	-4.3070	-6.1844	6.2511	-	-	-
		25.00000	-77.00000	0.00000	-3.5470	-4.7769	4.9386	-	-	-
		26.00000	-77.00000	0.00000	-3.9257	-3.4892	4.4911	-	-	-
		27.00000	-77.00000	0.00000	-3.8686	-2.5660	4.0517	-	-	-
		28.00000	-77.00000	0.00000	-3.6247	-1.9176	3.6086	-	-	-
		29.00000	-77.00000	0.00000	-3.4373	-1.5124	3.2937	-	-	-
		30.00000	-77.00000	0.00000	-3.1795	-1.1974	2.9445	-	-	-
		31.00000	-77.00000	0.00000	-2.8681	-0.94410	2.5759	-	-	-
		32.00000	-77.00000	0.00000	-2.5244	-0.73803	2.2153	-	-	-
		33.00000	-77.00000	0.00000	-2.1609	-0.56820	1.8823	-	-	-
		34.00000	-77.00000	0.00000	-1.7848	-0.42641	1.5888	-	-	-
		35.00000	-77.00000	0.00000	-1.4003	-0.30653	1.3387	-	-	-
		36.00000	-77.00000	0.00000	-1.0095	-0.20392	1.1282	-	-	-
		37.00000	-77.00000	0.00000	-0.61356	-0.11504	0.94552	-	-	-
		38.00000	-77.00000	0.00000	-0.23272	-0.040715	0.77097	-	-	-
		39.00000	-77.00000	0.00000	0.0	0.0	0.58420	-	-	-
		40.00000	-77.00000	0.00000	0.0	0.0	0.43536	-	-	-
		41.00000	-77.00000	0.00000	0.0	0.0	0.28542	-	-	-
		42.00000	-77.00000	0.00000	0.0	0.0	0.13455	-	-	-
		43.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		61.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-77.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-76.00000	0.00000	0.0	0.0	0.040733	-	-	-
		-30.00000	-76.00000	0.00000	0.0	0.0	0.19133	-	-	-
		-29.00000	-76.00000	0.00000	0.0	0.0	0.34216	-	-	-
		-28.00000	-76.00000	0.00000	0.0	0.0	0.49325	-	-	-
		-27.00000	-76.00000	0.00000	0.074878	-0.0045002	0.66142	-	-	-
		-26.00000	-76.00000	0.00000	0.39433	-0.025311	0.84863	-	-	-
		-25.00000	-76.00000	0.00000	0.81103	-0.055855	1.0319	-	-	-
		-24.00000	-76.00000	0.00000	1.2310	-0.091449	1.2374	-	-	-
		-23.00000	-76.00000	0.00000	1.6563	-0.13355	1.4837	-	-	-
		-22.00000	-76.00000	0.00000	2.0891	-0.18419	1.7823	-	-	-
		-21.00000	-76.00000	0.00000	2.5315	-0.24619	2.1376	-	-	-
		-20.00000	-76.00000	0.00000	2.9859	-0.32373	2.5465	-	-	-
		-19.00000	-76.00000	0.00000	4.4970	-0.50227	3.8994	-	-	-
		-18.00000	-76.00000	0.00000	5.1163	-0.57145	4.5022	-	-	-
		-17.00000	-76.00000	0.00000	5.7562	-0.64292	5.0979	-	-	-
		-16.00000	-76.00000	0.00000	6.4192	-0.71697	5.6426	-	-	-
		-15.00000	-76.00000	0.00000	7.1076	-0.79386	6.0828	-	-	-
		-14.00000	-76.00000	0.00000	7.8241	-0.87388	6.3554	-	-	-
		-13.00000	-76.00000	0.00000	8.5710	-0.95731	6.3876	-	-	-
		-12.00000	-76.00000	0.00000	9.3510	-1.0444	6.0969	-	-	-
		-11.00000	-76.00000	0.00000			Point lies within an excavation.			
		-10.00000	-76.00000	0.00000			Point lies within an excavation.			
		-9.00000	-76.00000	0.00000			Point lies within an excavation.			
		-8.00000	-76.00000	0.00000			Point lies within an excavation.			
		-7.00000	-76.00000	0.00000			Point lies within an excavation.			
		-6.00000	-76.00000	0.00000			Point lies within an excavation.			
		-5.00000	-76.00000	0.00000			Point lies within an excavation.			
		-4.00000	-76.00000	0.00000			Point lies within an excavation.			
		-3.00000	-76.00000	0.00000			Point lies within an excavation.			
		-2.00000	-76.00000	0.00000			Point lies within an excavation.			
		-1.00000	-76.00000	0.00000			Point lies within an excavation.			
		0.00000	-76.00000	0.00000			Point lies within an excavation.			
		1.00000	-76.00000	0.00000			Point lies within an excavation.			
		2.00000	-76.00000	0.00000			Point lies within an excavation.			
		3.00000	-76.00000	0.00000			Point lies within an excavation.			
		4.00000	-76.00000	0.00000			Point lies within an excavation.			
		5.00000	-76.00000	0.00000			Point lies within an excavation.			
		6.00000	-76.00000	0.00000			Point lies within an excavation.			
		7.00000	-76.00000	0.00000			Point lies within an excavation.			
		8.00000	-76.00000	0.00000			Point lies within an excavation.			
		9.00000	-76.00000	0.00000			Point lies within an excavation.			
		10.00000	-76.00000	0.00000			Point lies within an excavation.			
		11.00000	-76.00000	0.00000			Point lies within an excavation.			
		12.00000	-76.00000	0.00000			Point lies within an excavation.			
		13.00000	-76.00000	0.00000			Point lies within an excavation.			
		14.00000	-76.00000	0.00000			Point lies within an excavation.			
		15.00000	-76.00000	0.00000			Point lies within an excavation.			
		16.00000	-76.00000	0.00000			Point lies within an excavation.			
		17.00000	-76.00000	0.00000			Point lies within an excavation.			
		18.00000	-76.00000	0.00000			Point lies within an excavation.			
		19.00000	-76.00000	0.00000	-5.7198	-8.2149	5.6226	-	-	-
		20.00000	-76.00000	0.00000	-5.4509	-7.8287	6.0134	-	-	-
		21.00000	-76.00000	0.00000	-5.1888	-7.4523	6.2618	-	-	-
		22.00000	-76.00000	0.00000	-4.9332	-7.0852	6.3862	-	-	-
		23.00000	-76.00000	0.00000	-4.6839	-6.7272	6.4037	-	-	-
		24.00000	-76.00000	0.00000	-4.4407	-6.3778	6.3304	-	-	-
		25.00000	-76.00000	0.00000	-4.2031	-6.0367	6.1812	-	-	-
		26.00000	-76.00000	0.00000	-3.9710	-5.7033	5.9703	-	-	-
		27.00000	-76.00000	0.00000	-3.2217	-3.9589	4.4493	-	-	-
		28.00000	-76.00000	0.00000	-3.3527	-3.0745	3.9989	-	-	-
		29.00000	-76.00000	0.00000	-3.2551	-2.3809	3.5464	-	-	-
		30.00000	-76.00000	0.00000	-3.0356	-1.8466	3.1003	-	-	-
		31.00000	-76.00000	0.00000	-2.7533	-1.4336	2.6722	-	-	-
		32.00000	-76.00000	0.00000	-2.5181	-1.1460	2.3468	-	-	-
		33.00000	-76.00000	0.00000	-2.2388	-0.90494	2.0299	-	-	-
		34.00000	-76.00000	0.00000	-1.9270	-0.70054	1.7355	-	-	-
		35.00000	-76.00000	0.00000	-1.5926	-0.52606	1.4745	-	-	-
		36.00000	-76.00000	0.00000	-1.2421	-0.37591	1.2503	-	-	-
		37.00000	-76.00000	0.00000	-0.87923	-0.24554	1.0589	-	-	-
		38.00000	-76.00000	0.00000	-0.50636	-0.13127	0.88848	-	-	-
		39.00000	-76.00000	0.00000	-0.17017	-0.041162	0.71955	-	-	-
					0.0	0.0	0.54554	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		40.00000	-76.00000	0.00000	0.0	0.0	0.40122	-	-	-
		41.00000	-76.00000	0.00000	0.0	0.0	0.25535	-	-	-
		42.00000	-76.00000	0.00000	0.0	0.0	0.10815	-	-	-
		43.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-76.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-75.00000	0.00000	0.0	0.0	0.030159	-	-	-
		-30.00000	-75.00000	0.00000	0.0	0.0	0.18247	-	-	-
		-29.00000	-75.00000	0.00000	0.0	0.0	0.33521	-	-	-
		-28.00000	-75.00000	0.00000	0.0	0.0	0.63609	-	-	-
		-27.00000	-75.00000	0.00000	0.064951	-0.0072544	0.85106	-	-	-
		-26.00000	-75.00000	0.00000	0.46712	-0.052173	1.0990	-	-	-
		-25.00000	-75.00000	0.00000	1.0121	-0.11304	1.3374	-	-	-
		-24.00000	-75.00000	0.00000	1.5599	-0.17423	1.6009	-	-	-
		-23.00000	-75.00000	0.00000	2.1131	-0.23601	1.9146	-	-	-
		-22.00000	-75.00000	0.00000	2.6741	-0.29867	2.2939	-	-	-
		-21.00000	-75.00000	0.00000	3.2454	-0.36248	2.7444	-	-	-
		-20.00000	-75.00000	0.00000	3.8295	-0.42773	3.2620	-	-	-
		-19.00000	-75.00000	0.00000	4.4290	-0.49468	3.8332	-	-	-
		-18.00000	-75.00000	0.00000	5.0462	-0.56362	4.4345	-	-	-
		-17.00000	-75.00000	0.00000	5.6837	-0.63482	5.0330	-	-	-
		-16.00000	-75.00000	0.00000	6.3439	-0.70856	5.5858	-	-	-
		-15.00000	-75.00000	0.00000	7.0294	-0.78512	6.0407	-	-	-
		-14.00000	-75.00000	0.00000	7.7426	-0.86478	6.3355	-	-	-
		-13.00000	-75.00000	0.00000	8.4860	-0.94782	6.3985	-	-	-
		-12.00000	-75.00000	0.00000	9.2622	-1.0345	6.1482	-	-	-
		-11.00000	-75.00000	0.00000	Point lies within an excavation.					
		-10.00000	-75.00000	0.00000	Point lies within an excavation.					
		-9.00000	-75.00000	0.00000	Point lies within an excavation.					
		-8.00000	-75.00000	0.00000	Point lies within an excavation.					
		-7.00000	-75.00000	0.00000	Point lies within an excavation.					
		-6.00000	-75.00000	0.00000	Point lies within an excavation.					
		-5.00000	-75.00000	0.00000	Point lies within an excavation.					
		-4.00000	-75.00000	0.00000	Point lies within an excavation.					
		-3.00000	-75.00000	0.00000	Point lies within an excavation.					
		-2.00000	-75.00000	0.00000	Point lies within an excavation.					
		-1.00000	-75.00000	0.00000	Point lies within an excavation.					
		0.00000	-75.00000	0.00000	Point lies within an excavation.					
		1.00000	-75.00000	0.00000	Point lies within an excavation.					
		2.00000	-75.00000	0.00000	Point lies within an excavation.					
		3.00000	-75.00000	0.00000	Point lies within an excavation.					
		4.00000	-75.00000	0.00000	Point lies within an excavation.					
		5.00000	-75.00000	0.00000	Point lies within an excavation.					
		6.00000	-75.00000	0.00000	Point lies within an excavation.					
		7.00000	-75.00000	0.00000	Point lies within an excavation.					
		8.00000	-75.00000	0.00000	Point lies within an excavation.					
		9.00000	-75.00000	0.00000	Point lies within an excavation.					
		10.00000	-75.00000	0.00000	Point lies within an excavation.					
		11.00000	-75.00000	0.00000	Point lies within an excavation.					
		12.00000	-75.00000	0.00000	Point lies within an excavation.					
		13.00000	-75.00000	0.00000	Point lies within an excavation.					
		14.00000	-75.00000	0.00000	Point lies within an excavation.					
		15.00000	-75.00000	0.00000	Point lies within an excavation.					
		16.00000	-75.00000	0.00000	Point lies within an excavation.					
		17.00000	-75.00000	0.00000	-5.6016	-8.0452	5.8118	-	-	-
		18.00000	-75.00000	0.00000	-5.3357	-7.6633	6.1382	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		19.00000	-75.00000	0.00000	-5.0765	-7.2910	6.3303	-	-	-
		20.00000	-75.00000	0.00000	-4.8237	-6.9280	6.4060	-	-	-
		21.00000	-75.00000	0.00000	-4.5771	-6.5738	6.3820	-	-	-
		22.00000	-75.00000	0.00000	-4.3364	-6.2280	6.2738	-	-	-
		23.00000	-75.00000	0.00000	-4.1012	-5.8903	6.0960	-	-	-
		24.00000	-75.00000	0.00000	-3.8714	-5.5603	5.8622	-	-	-
		25.00000	-75.00000	0.00000	-3.6467	-5.2375	5.5848	-	-	-
		26.00000	-75.00000	0.00000	-3.4268	-4.9217	5.2753	-	-	-
		27.00000	-75.00000	0.00000	-2.8187	-3.3001	3.8173	-	-	-
		28.00000	-75.00000	0.00000	-2.8273	-2.6402	3.3834	-	-	-
		29.00000	-75.00000	0.00000	-2.6983	-2.0956	2.9560	-	-	-
		30.00000	-75.00000	0.00000	-2.4859	-1.6525	2.5476	-	-	-
		31.00000	-75.00000	0.00000	-2.2242	-1.2924	2.1695	-	-	-
		32.00000	-75.00000	0.00000	-1.9356	-0.99889	1.8317	-	-	-
		33.00000	-75.00000	0.00000	-1.6724	-0.77624	1.5773	-	-	-
		34.00000	-75.00000	0.00000	-1.3789	-0.58150	1.3503	-	-	-
		35.00000	-75.00000	0.00000	-1.0625	-0.41055	1.1532	-	-	-
		36.00000	-75.00000	0.00000	-0.72834	-0.25968	0.98138	-	-	-
		37.00000	-75.00000	0.00000	-0.37960	-0.12563	0.82265	-	-	-
		38.00000	-75.00000	0.00000	-0.094867	-0.029296	0.65738	-	-	-
		39.00000	-75.00000	0.00000	0.0	0.0	0.49958	-	-	-
		40.00000	-75.00000	0.00000	0.0	0.0	0.35998	-	-	-
		41.00000	-75.00000	0.00000	0.0	0.0	0.21838	-	-	-
		42.00000	-75.00000	0.00000	0.0	0.0	0.075053	-	-	-
		43.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-75.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-74.00000	0.00000	0.0	0.0	0.017599	-	-	-
		-30.00000	-74.00000	0.00000	0.0	0.0	0.21636	-	-	-
		-29.00000	-74.00000	0.00000	0.0	0.0	0.41513	-	-	-
		-28.00000	-74.00000	0.00000	0.0	0.0	0.61389	-	-	-
		-27.00000	-74.00000	0.00000	0.023582	-0.0026339	0.82093	-	-	-
		-26.00000	-74.00000	0.00000	0.40632	-0.045382	1.0725	-	-	-
		-25.00000	-74.00000	0.00000	0.95111	-0.10623	1.3100	-	-	-
		-24.00000	-74.00000	0.00000	1.4985	-0.16737	1.5694	-	-	-
		-23.00000	-74.00000	0.00000	2.0509	-0.22907	1.8765	-	-	-
		-22.00000	-74.00000	0.00000	2.6109	-0.29162	2.2480	-	-	-
		-21.00000	-74.00000	0.00000	3.1810	-0.35529	2.6906	-	-	-
		-20.00000	-74.00000	0.00000	3.7636	-0.42036	3.2012	-	-	-
		-19.00000	-74.00000	0.00000	4.3612	-0.48711	3.7674	-	-	-
		-18.00000	-74.00000	0.00000	4.9763	-0.55581	4.3668	-	-	-
		-17.00000	-74.00000	0.00000	5.6114	-0.62674	4.9676	-	-	-
		-16.00000	-74.00000	0.00000	6.2690	-0.70019	5.5279	-	-	-
		-15.00000	-74.00000	0.00000	6.9515	-0.77642	5.9966	-	-	-
		-14.00000	-74.00000	0.00000	7.6615	-0.85572	6.3127	-	-	-
		-13.00000	-74.00000	0.00000	8.4014	-0.93837	6.4054	-	-	-
		-12.00000	-74.00000	0.00000	9.1738	-1.0246	6.1944	-	-	-
		-11.00000	-74.00000	0.00000	9.9810	-1.1148	5.5898	-	-	-
		-10.00000	-74.00000	0.00000	Point lies within an excavation.					
		-9.00000	-74.00000	0.00000	Point lies within an excavation.					
		-8.00000	-74.00000	0.00000	Point lies within an excavation.					
		-7.00000	-74.00000	0.00000	Point lies within an excavation.					
		-6.00000	-74.00000	0.00000	Point lies within an excavation.					
		-5.00000	-74.00000	0.00000	Point lies within an excavation.					
		-4.00000	-74.00000	0.00000	Point lies within an excavation.					
		-3.00000	-74.00000	0.00000	Point lies within an excavation.					

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		-2.00000	-74.00000	0.00000			Point lies within an excavation.			
		-1.00000	-74.00000	0.00000			Point lies within an excavation.			
		0.00000	-74.00000	0.00000			Point lies within an excavation.			
		1.00000	-74.00000	0.00000			Point lies within an excavation.			
		2.00000	-74.00000	0.00000			Point lies within an excavation.			
		3.00000	-74.00000	0.00000			Point lies within an excavation.			
		4.00000	-74.00000	0.00000			Point lies within an excavation.			
		5.00000	-74.00000	0.00000			Point lies within an excavation.			
		6.00000	-74.00000	0.00000			Point lies within an excavation.			
		7.00000	-74.00000	0.00000			Point lies within an excavation.			
		8.00000	-74.00000	0.00000			Point lies within an excavation.			
		9.00000	-74.00000	0.00000			Point lies within an excavation.			
		10.00000	-74.00000	0.00000			Point lies within an excavation.			
		11.00000	-74.00000	0.00000			Point lies within an excavation.			
		12.00000	-74.00000	0.00000			Point lies within an excavation.			
		13.00000	-74.00000	0.00000			Point lies within an excavation.			
		14.00000	-74.00000	0.00000			Point lies within an excavation.			
		15.00000	-74.00000	0.00000	-5.7546	-8.2649	5.5616	-	-	-
		16.00000	-74.00000	0.00000	-5.4848	-7.8774	5.9718	-	-	-
		17.00000	-74.00000	0.00000	-5.2218	-7.4998	6.2374	-	-	-
		18.00000	-74.00000	0.00000	-4.9655	-7.1315	6.3767	-	-	-
		19.00000	-74.00000	0.00000	-4.7154	-6.7724	6.4069	-	-	-
		20.00000	-74.00000	0.00000	-4.4714	-6.4219	6.3442	-	-	-
		21.00000	-74.00000	0.00000	-4.2331	-6.0797	6.2040	-	-	-
		22.00000	-74.00000	0.00000	-4.0003	-5.7454	6.0002	-	-	-
		23.00000	-74.00000	0.00000	-3.7728	-5.4186	5.7459	-	-	-
		24.00000	-74.00000	0.00000	-3.5502	-5.0989	5.4531	-	-	-
		25.00000	-74.00000	0.00000	-3.3323	-4.7859	5.1328	-	-	-
		26.00000	-74.00000	0.00000	-3.1188	-4.4793	4.7949	-	-	-
		27.00000	-74.00000	0.00000	-2.3269	-3.3147	3.5380	-	-	-
		28.00000	-74.00000	0.00000	-2.3972	-2.7237	3.1416	-	-	-
		29.00000	-74.00000	0.00000	-2.3350	-2.2065	2.7493	-	-	-
		30.00000	-74.00000	0.00000	-2.1825	-1.7652	2.3744	-	-	-
		31.00000	-74.00000	0.00000	-1.9703	-1.3929	2.0279	-	-	-
		32.00000	-74.00000	0.00000	-1.7194	-1.0796	1.7178	-	-	-
		33.00000	-74.00000	0.00000	-1.4437	-0.81532	1.4483	-	-	-
		34.00000	-74.00000	0.00000	-1.1545	-0.59241	1.2223	-	-	-
		35.00000	-74.00000	0.00000	-0.87022	-0.40913	1.0516	-	-	-
		36.00000	-74.00000	0.00000	-0.56367	-0.24453	0.89799	-	-	-
		37.00000	-74.00000	0.00000	-0.24044	-0.096824	0.74870	-	-	-
		38.00000	-74.00000	0.00000	-0.0098381	-0.0036966	0.58372	-	-	-
		39.00000	-74.00000	0.00000	0.0	0.0	0.44715	-	-	-
		40.00000	-74.00000	0.00000	0.0	0.0	0.31236	-	-	-
		41.00000	-74.00000	0.00000	0.0	0.0	0.17513	-	-	-
		42.00000	-74.00000	0.00000	0.0	0.0	0.035813	-	-	-
		43.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-74.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-73.00000	0.00000	0.0	0.0	0.19416	-	-	-
		-29.00000	-73.00000	0.00000	0.0	0.0	0.39293	-	-	-
		-28.00000	-73.00000	0.00000	0.0	0.0	0.59169	-	-	-
		-27.00000	-73.00000	0.00000	0.0	0.0	0.79046	-	-	-
		-26.00000	-73.00000	0.00000	0.35259	-0.039382	1.0458	-	-	-
		-25.00000	-73.00000	0.00000	0.89018	-0.099426	1.2830	-	-	-
		-24.00000	-73.00000	0.00000	1.4371	-0.16052	1.5384	-	-	-

Oasys
3-6 Spring Place, London
Combined

GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)

Job No. J16143 | Sheet No. | Rev.
Drg. Ref.
Made by JD | Date 23-Aug-2016 | Checked

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		-23.00000	-73.00000	0.00000	1.9889	-0.22214	1.8393	-	-	-
		-22.00000	-73.00000	0.00000	2.5479	-0.28458	2.2030	-	-	-
		-21.00000	-73.00000	0.00000	3.1167	-0.34811	2.6376	-	-	-
		-20.00000	-73.00000	0.00000	3.6978	-0.41301	3.1411	-	-	-
		-19.00000	-73.00000	0.00000	4.2936	-0.47956	3.7020	-	-	-
		-18.00000	-73.00000	0.00000	4.9066	-0.54803	4.2992	-	-	-
		-17.00000	-73.00000	0.00000	5.5394	-0.61870	4.9016	-	-	-
		-16.00000	-73.00000	0.00000	6.1943	-0.69185	5.4688	-	-	-
		-15.00000	-73.00000	0.00000	6.8739	-0.76776	5.9506	-	-	-
		-14.00000	-73.00000	0.00000	7.5807	-0.84671	6.2871	-	-	-
		-13.00000	-73.00000	0.00000	8.3172	-0.92896	6.4085	-	-	-
		-12.00000	-73.00000	0.00000	9.0858	-1.0148	6.2358	-	-	-
		-11.00000	-73.00000	0.00000	9.8891	-1.1045	5.6799	-	-	-
		-10.00000	-73.00000	0.00000			Point lies within an excavation.			
		-9.00000	-73.00000	0.00000			Point lies within an excavation.			
		-8.00000	-73.00000	0.00000			Point lies within an excavation.			
		-7.00000	-73.00000	0.00000			Point lies within an excavation.			
		-6.00000	-73.00000	0.00000			Point lies within an excavation.			
		-5.00000	-73.00000	0.00000			Point lies within an excavation.			
		-4.00000	-73.00000	0.00000			Point lies within an excavation.			
		-3.00000	-73.00000	0.00000			Point lies within an excavation.			
		-2.00000	-73.00000	0.00000			Point lies within an excavation.			
		-1.00000	-73.00000	0.00000			Point lies within an excavation.			
		0.00000	-73.00000	0.00000			Point lies within an excavation.			
		1.00000	-73.00000	0.00000			Point lies within an excavation.			
		2.00000	-73.00000	0.00000			Point lies within an excavation.			
		3.00000	-73.00000	0.00000			Point lies within an excavation.			
		4.00000	-73.00000	0.00000			Point lies within an excavation.			
		5.00000	-73.00000	0.00000			Point lies within an excavation.			
		6.00000	-73.00000	0.00000			Point lies within an excavation.			
		7.00000	-73.00000	0.00000			Point lies within an excavation.			
		8.00000	-73.00000	0.00000			Point lies within an excavation.			
		9.00000	-73.00000	0.00000			Point lies within an excavation.			
		10.00000	-73.00000	0.00000			Point lies within an excavation.			
		11.00000	-73.00000	0.00000			Point lies within an excavation.			
		12.00000	-73.00000	0.00000			Point lies within an excavation.			
		13.00000	-73.00000	0.00000			Point lies within an excavation.			
		14.00000	-73.00000	0.00000	5.7599	-	-	-	-	-
		15.00000	-73.00000	0.00000	-5.3693	-7.7115	6.1044	-	-	-
		16.00000	-73.00000	0.00000	-5.1092	-7.3380	6.3127	-	-	-
		17.00000	-73.00000	0.00000	-4.8556	-6.9738	6.4023	-	-	-
		18.00000	-73.00000	0.00000	-4.6082	-6.6185	6.3900	-	-	-
		19.00000	-73.00000	0.00000	-4.3667	-6.2716	6.2917	-	-	-
		20.00000	-73.00000	0.00000	-4.1309	-5.9329	6.1221	-	-	-
		21.00000	-73.00000	0.00000	-3.9005	-5.6019	5.8947	-	-	-
		22.00000	-73.00000	0.00000	-3.6751	-5.2783	5.6222	-	-	-
		23.00000	-73.00000	0.00000	-3.4546	-4.9616	5.3162	-	-	-
		24.00000	-73.00000	0.00000	-3.2386	-4.6514	4.9870	-	-	-
		25.00000	-73.00000	0.00000	-3.0269	-4.3474	4.6442	-	-	-
		26.00000	-73.00000	0.00000	-2.8193	-4.0491	4.2961	-	-	-
		27.00000	-73.00000	0.00000	-2.6154	-3.7563	3.9499	-	-	-
		28.00000	-73.00000	0.00000	-1.9944	-2.6697	2.8478	-	-	-
		29.00000	-73.00000	0.00000	-1.9748	-2.1985	2.5010	-	-	-
		30.00000	-73.00000	0.00000	-1.8673	-1.7793	2.1687	-	-	-
		31.00000	-73.00000	0.00000	-1.6967	-1.4132	1.8615	-	-	-
		32.00000	-73.00000	0.00000	-1.4816	-1.0960	1.5864	-	-	-
		33.00000	-73.00000	0.00000	-1.2355	-0.82203	1.3468	-	-	-
		34.00000	-73.00000	0.00000	-0.96777	-0.58503	1.1417	-	-	-
		35.00000	-73.00000	0.00000	-0.68459	-0.37918	0.96539	-	-	-
		36.00000	-73.00000	0.00000	-0.39129	-0.19998	0.80999	-	-	-
		37.00000	-73.00000	0.00000	-0.13486	-0.063980	0.66624	-	-	-
		38.00000	-73.00000	0.00000	0.0	0.0	0.51573	-	-	-
		39.00000	-73.00000	0.00000	0.0	0.0	0.38901	-	-	-
		40.00000	-73.00000	0.00000	0.0	0.0	0.25902	-	-	-
		41.00000	-73.00000	0.00000	0.0	0.0	0.12622	-	-	-
		42.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-73.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		-44.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-72.00000	0.00000	0.0	0.0	0.17196	-	-	-
		-29.00000	-72.00000	0.00000	0.0	0.0	0.37073	-	-	-
		-28.00000	-72.00000	0.00000	0.0	0.0	0.56949	-	-	-
		-27.00000	-72.00000	0.00000	0.0	0.0	0.76825	-	-	-
		-26.00000	-72.00000	0.00000	0.31123	-0.034761	1.0190	-	-	-
		-25.00000	-72.00000	0.00000	0.82928	-0.092623	1.2562	-	-	-
		-24.00000	-72.00000	0.00000	1.3759	-0.15367	1.5081	-	-	-
		-23.00000	-72.00000	0.00000	1.9270	-0.21523	1.8028	-	-	-
		-22.00000	-72.00000	0.00000	2.4851	-0.27756	2.1590	-	-	-
		-21.00000	-72.00000	0.00000	3.0527	-0.34096	2.5855	-	-	-
		-20.00000	-72.00000	0.00000	3.6322	-0.40569	3.0817	-	-	-
		-19.00000	-72.00000	0.00000	4.2263	-0.47204	3.6371	-	-	-
		-18.00000	-72.00000	0.00000	4.8372	-0.54028	4.2315	-	-	-
		-17.00000	-72.00000	0.00000	5.4676	-0.61069	4.8352	-	-	-
		-16.00000	-72.00000	0.00000	6.1200	-0.68355	5.4087	-	-	-
		-15.00000	-72.00000	0.00000	6.7967	-0.75914	5.9028	-	-	-
		-14.00000	-72.00000	0.00000	7.5004	-0.83773	6.2588	-	-	-
		-13.00000	-72.00000	0.00000	8.2334	-0.91960	6.4080	-	-	-
		-12.00000	-72.00000	0.00000	8.9983	-1.0050	6.2724	-	-	-
		-11.00000	-72.00000	0.00000	9.7975	-1.0943	5.7640	-	-	-
		-10.00000	-72.00000	0.00000			Point lies within an excavation.			
		-9.00000	-72.00000	0.00000			Point lies within an excavation.			
		-8.00000	-72.00000	0.00000			Point lies within an excavation.			
		-7.00000	-72.00000	0.00000			Point lies within an excavation.			
		-6.00000	-72.00000	0.00000			Point lies within an excavation.			
		-5.00000	-72.00000	0.00000			Point lies within an excavation.			
		-4.00000	-72.00000	0.00000			Point lies within an excavation.			
		-3.00000	-72.00000	0.00000			Point lies within an excavation.			
		-2.00000	-72.00000	0.00000			Point lies within an excavation.			
		-1.00000	-72.00000	0.00000			Point lies within an excavation.			
		0.00000	-72.00000	0.00000			Point lies within an excavation.			
		1.00000	-72.00000	0.00000			Point lies within an excavation.			
		2.00000	-72.00000	0.00000			Point lies within an excavation.			
		3.00000	-72.00000	0.00000			Point lies within an excavation.			
		4.00000	-72.00000	0.00000			Point lies within an excavation.			
		5.00000	-72.00000	0.00000			Point lies within an excavation.			
		6.00000	-72.00000	0.00000			Point lies within an excavation.			
		7.00000	-72.00000	0.00000			Point lies within an excavation.			
		8.00000	-72.00000	0.00000			Point lies within an excavation.			
		9.00000	-72.00000	0.00000			Point lies within an excavation.			
		10.00000	-72.00000	0.00000			Point lies within an excavation.			
		11.00000	-72.00000	0.00000			Point lies within an excavation.			
		12.00000	-72.00000	0.00000			Point lies within an excavation.			
		13.00000	-72.00000	0.00000	-5.5188	-7.9263	5.9280	-	-	-
		14.00000	-72.00000	0.00000	-5.2550	-7.5474	6.2110	-	-	-
		15.00000	-72.00000	0.00000	-4.9978	-7.1780	6.3653	-	-	-
		16.00000	-72.00000	0.00000	-4.7470	-6.8177	6.4085	-	-	-
		17.00000	-72.00000	0.00000	-4.5022	-6.4662	6.3569	-	-	-
		18.00000	-72.00000	0.00000	-4.2632	-6.1229	6.2257	-	-	-
		19.00000	-72.00000	0.00000	-4.0297	-5.7876	6.0292	-	-	-
		20.00000	-72.00000	0.00000	-3.8015	-5.4599	5.7807	-	-	-
		21.00000	-72.00000	0.00000	-3.5783	-5.1393	5.4922	-	-	-
		22.00000	-72.00000	0.00000	-3.3598	-4.8255	5.1748	-	-	-
		23.00000	-72.00000	0.00000	-3.1458	-4.5180	4.8386	-	-	-
		24.00000	-72.00000	0.00000	-2.9359	-4.2166	4.4925	-	-	-
		25.00000	-72.00000	0.00000	-2.7299	-3.9207	4.1444	-	-	-
		26.00000	-72.00000	0.00000	-2.5275	-3.6301	3.8012	-	-	-
		27.00000	-72.00000	0.00000	-2.3285	-3.3443	3.4686	-	-	-
		28.00000	-72.00000	0.00000	-2.1326	-3.0629	3.1514	-	-	-
		29.00000	-72.00000	0.00000	-1.6339	-2.0940	2.2326	-	-	-
		30.00000	-72.00000	0.00000	-1.5569	-1.7078	1.9474	-	-	-
		31.00000	-72.00000	0.00000	-1.4181	-1.3597	1.6831	-	-	-
		32.00000	-72.00000	0.00000	-1.2328	-1.0498	1.4456	-	-	-
		33.00000	-72.00000	0.00000	-1.0130	-0.77588	1.2372	-	-	-
		34.00000	-72.00000	0.00000	-0.76765	-0.53422	1.0557	-	-	-
		35.00000	-72.00000	0.00000	-0.50309	-0.32079	0.89442	-	-	-
		36.00000	-72.00000	0.00000	-0.22386	-0.13171	0.74186	-	-	-
		37.00000	-72.00000	0.00000	-0.026409	-0.014423	0.58133	-	-	-
		38.00000	-72.00000	0.00000	0.0	0.0	0.44755	-	-	-
		39.00000	-72.00000	0.00000	0.0	0.0	0.32592	-	-	-
		40.00000	-72.00000	0.00000	0.0	0.0	0.20065	-	-	-
		41.00000	-72.00000	0.00000	0.0	0.0	0.072221	-	-	-
		42.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-

Oasys
3-6 Spring Place, London
Combined

GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)

Job No. J16143 | Sheet No. | Rev.
Drg. Ref.
Made by JD | Date 23-Aug-2016 | Checked

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		86.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-72.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-71.00000	0.00000	0.0	0.0	0.14976	-	-	-
		-29.00000	-71.00000	0.00000	0.0	0.0	0.34853	-	-	-
		-28.00000	-71.00000	0.00000	0.0	0.0	0.54729	-	-	-
		-27.00000	-71.00000	0.00000	0.0	0.0	0.74605	-	-	-
		-26.00000	-71.00000	0.00000	0.26986	-0.030141	0.99182	-	-	-
		-25.00000	-71.00000	0.00000	0.76840	-0.085824	1.2296	-	-	-
		-24.00000	-71.00000	0.00000	1.3146	-0.14683	1.4782	-	-	-
		-23.00000	-71.00000	0.00000	1.8651	-0.20832	1.7671	-	-	-
		-22.00000	-71.00000	0.00000	2.4223	-0.27055	2.1158	-	-	-
		-21.00000	-71.00000	0.00000	2.9887	-0.33381	2.5343	-	-	-
		-20.00000	-71.00000	0.00000	3.5668	-0.39838	3.0231	-	-	-
		-19.00000	-71.00000	0.00000	4.1591	-0.46454	3.5727	-	-	-
		-18.00000	-71.00000	0.00000	4.7681	-0.53255	4.1641	-	-	-
		-17.00000	-71.00000	0.00000	5.3962	-0.60271	4.7685	-	-	-
		-16.00000	-71.00000	0.00000	6.0460	-0.67528	5.3476	-	-	-
		-15.00000	-71.00000	0.00000	6.7199	-0.75055	5.8533	-	-	-
		-14.00000	-71.00000	0.00000	7.4204	-0.82879	6.2279	-	-	-
		-13.00000	-71.00000	0.00000	8.1500	-0.91029	6.4040	-	-	-
		-12.00000	-71.00000	0.00000	8.9112	-0.99531	6.3043	-	-	-
		-11.00000	-71.00000	0.00000	9.7065	-1.0841	5.8422	-	-	-
		-10.00000	-71.00000	0.00000			Point lies within an excavation.			
		-9.00000	-71.00000	0.00000			Point lies within an excavation.			
		-8.00000	-71.00000	0.00000			Point lies within an excavation.			
		-7.00000	-71.00000	0.00000			Point lies within an excavation.			
		-6.00000	-71.00000	0.00000			Point lies within an excavation.			
		-5.00000	-71.00000	0.00000			Point lies within an excavation.			
		-4.00000	-71.00000	0.00000			Point lies within an excavation.			
		-3.00000	-71.00000	0.00000			Point lies within an excavation.			
		-2.00000	-71.00000	0.00000			Point lies within an excavation.			
		-1.00000	-71.00000	0.00000			Point lies within an excavation.			
		0.00000	-71.00000	0.00000			Point lies within an excavation.			
		1.00000	-71.00000	0.00000			Point lies within an excavation.			
		2.00000	-71.00000	0.00000			Point lies within an excavation.			
		3.00000	-71.00000	0.00000			Point lies within an excavation.			
		4.00000	-71.00000	0.00000			Point lies within an excavation.			
		5.00000	-71.00000	0.00000			Point lies within an excavation.			
		6.00000	-71.00000	0.00000			Point lies within an excavation.			
		7.00000	-71.00000	0.00000			Point lies within an excavation.			
		8.00000	-71.00000	0.00000			Point lies within an excavation.			
		9.00000	-71.00000	0.00000			Point lies within an excavation.			
		10.00000	-71.00000	0.00000			Point lies within an excavation.			
		11.00000	-71.00000	0.00000	-5.6706	-8.1442	5.7048	-	-	-
		12.00000	-71.00000	0.00000	-5.4029	-7.7598	6.0684	-	-	-
		13.00000	-71.00000	0.00000	-5.1420	-7.3851	6.2931	-	-	-
		14.00000	-71.00000	0.00000	-4.8876	-7.0197	6.3969	-	-	-
		15.00000	-71.00000	0.00000	-4.6394	-6.6633	6.3967	-	-	-
		16.00000	-71.00000	0.00000	-4.3972	-6.3154	6.3086	-	-	-
		17.00000	-71.00000	0.00000	-4.1607	-5.9757	6.1472	-	-	-
		18.00000	-71.00000	0.00000	-3.9296	-5.6437	5.9265	-	-	-
		19.00000	-71.00000	0.00000	-3.7036	-5.3192	5.6591	-	-	-
		20.00000	-71.00000	0.00000	-3.4824	-5.0016	5.3567	-	-	-
		21.00000	-71.00000	0.00000	-3.2659	-4.6906	5.0299	-	-	-
		22.00000	-71.00000	0.00000	-3.0537	-4.3858	4.6884	-	-	-
		23.00000	-71.00000	0.00000	-2.8456	-4.0869	4.3405	-	-	-
		24.00000	-71.00000	0.00000	-2.6412	-3.7933	3.9937	-	-	-
		25.00000	-71.00000	0.00000	-2.4403	-3.5048	3.6545	-	-	-
		26.00000	-71.00000	0.00000	-2.2427	-3.2210	3.3281	-	-	-
		27.00000	-71.00000	0.00000	-2.0480	-2.9414	3.0188	-	-	-
		28.00000	-71.00000	0.00000	-1.8560	-2.6657	2.7299	-	-	-
		29.00000	-71.00000	0.00000	-1.6665	-2.3934	2.4634	-	-	-
		30.00000	-71.00000	0.00000	-1.2610	-1.5649	1.7258	-	-	-
		31.00000	-71.00000	0.00000	-1.1444	-1.2413	1.5042	-	-	-
		32.00000	-71.00000	0.00000	-0.98208	-0.94616	1.3034	-	-	-
		33.00000	-71.00000	0.00000	-0.78407	-0.67941	1.1243	-	-	-
		34.00000	-71.00000	0.00000	-0.55826	-0.43952	0.96360	-	-	-
		35.00000	-71.00000	0.00000	-0.31062	-0.22408	0.81332	-	-	-
		36.00000	-71.00000	0.00000	-0.10139	-0.067488	0.66085	-	-	-
		37.00000	-71.00000	0.00000	0.0	0.0	0.51129	-	-	-
		38.00000	-71.00000	0.00000	0.0	0.0	0.38612	-	-	-
		39.00000	-71.00000	0.00000	0.0	0.0	0.26143	-	-	-
		40.00000	-71.00000	0.00000	0.0	0.0	0.13784	-	-	-
		41.00000	-71.00000	0.00000	0.0	0.0	0.013708	-	-	-
		42.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		65.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-71.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-70.00000	0.00000	0.0	0.0	0.12756	-	-	-
		-29.00000	-70.00000	0.00000	0.0	0.0	0.32633	-	-	-
		-28.00000	-70.00000	0.00000	0.0	0.0	0.52509	-	-	-
		-27.00000	-70.00000	0.00000	0.0	0.0	0.72385	-	-	-
		-26.00000	-70.00000	0.00000	0.22849	-0.025520	0.96433	-	-	-
		-25.00000	-70.00000	0.00000	0.70755	-0.079027	1.2031	-	-	-
		-24.00000	-70.00000	0.00000	1.2535	-0.14000	1.4489	-	-	-
		-23.00000	-70.00000	0.00000	1.8033	-0.20142	1.7321	-	-	-
		-22.00000	-70.00000	0.00000	2.3597	-0.26355	2.0735	-	-	-
		-21.00000	-70.00000	0.00000	2.9249	-0.32669	2.4840	-	-	-
		-20.00000	-70.00000	0.00000	3.5016	-0.39110	2.9652	-	-	-
		-19.00000	-70.00000	0.00000	4.0922	-0.45706	3.5088	-	-	-
		-18.00000	-70.00000	0.00000	4.6991	-0.52486	4.0967	-	-	-
		-17.00000	-70.00000	0.00000	5.3250	-0.59476	4.7015	-	-	-
		-16.00000	-70.00000	0.00000	5.9722	-0.66705	5.2856	-	-	-
		-15.00000	-70.00000	0.00000	6.6433	-0.74200	5.8022	-	-	-
		-14.00000	-70.00000	0.00000	7.3407	-0.81990	6.1946	-	-	-
		-13.00000	-70.00000	0.00000	8.0670	-0.90101	6.3965	-	-	-
		-12.00000	-70.00000	0.00000	8.8245	-0.98563	6.3317	-	-	-
		-11.00000	-70.00000	0.00000	9.6159	-1.0740	5.9147	-	-	-
		-10.00000	-70.00000	0.00000			Point lies within an excavation.			
		-9.00000	-70.00000	0.00000			Point lies within an excavation.			
		-8.00000	-70.00000	0.00000			Point lies within an excavation.			
		-7.00000	-70.00000	0.00000			Point lies within an excavation.			
		-6.00000	-70.00000	0.00000			Point lies within an excavation.			
		-5.00000	-70.00000	0.00000			Point lies within an excavation.			
		-4.00000	-70.00000	0.00000			Point lies within an excavation.			
		-3.00000	-70.00000	0.00000			Point lies within an excavation.			
		-2.00000	-70.00000	0.00000			Point lies within an excavation.			
		-1.00000	-70.00000	0.00000			Point lies within an excavation.			
		0.00000	-70.00000	0.00000			Point lies within an excavation.			
		1.00000	-70.00000	0.00000			Point lies within an excavation.			
		2.00000	-70.00000	0.00000			Point lies within an excavation.			
		3.00000	-70.00000	0.00000			Point lies within an excavation.			
		4.00000	-70.00000	0.00000			Point lies within an excavation.			
		5.00000	-70.00000	0.00000			Point lies within an excavation.			
		6.00000	-70.00000	0.00000			Point lies within an excavation.			
		7.00000	-70.00000	0.00000			Point lies within an excavation.			
		8.00000	-70.00000	0.00000	-5.5530	-7.9753	5.8817	-	-	-
		9.00000	-70.00000	0.00000	-5.2883	-7.5952	6.1824	-	-	-
		10.00000	-70.00000	0.00000	-5.0303	-7.2246	6.3522	-	-	-
		11.00000	-70.00000	0.00000	-4.7786	-6.8632	6.4086	-	-	-
		12.00000	-70.00000	0.00000	-4.5331	-6.5105	6.3682	-	-	-
		13.00000	-70.00000	0.00000	-4.2934	-6.1662	6.2463	-	-	-
		14.00000	-70.00000	0.00000	-4.0592	-5.8300	6.0574	-	-	-
		15.00000	-70.00000	0.00000	-3.8304	-5.5013	5.8149	-	-	-
		16.00000	-70.00000	0.00000	-3.6065	-5.1798	5.5308	-	-	-
		17.00000	-70.00000	0.00000	-3.3874	-4.8651	5.2166	-	-	-
		18.00000	-70.00000	0.00000	-3.1728	-4.5569	4.8822	-	-	-
		19.00000	-70.00000	0.00000	-2.9624	-4.2547	4.5369	-	-	-
		20.00000	-70.00000	0.00000	-2.7560	-3.9582	4.1887	-	-	-
		21.00000	-70.00000	0.00000	-2.5531	-3.6669	3.8445	-	-	-
		22.00000	-70.00000	0.00000	-2.3537	-3.3805	3.5103	-	-	-
		23.00000	-70.00000	0.00000	-2.1574	-3.0985	3.1909	-	-	-
		24.00000	-70.00000	0.00000	-1.9639	-2.8207	2.8901	-	-	-
		25.00000	-70.00000	0.00000	-1.7731	-2.5465	2.6108	-	-	-
		26.00000	-70.00000	0.00000	-1.5845	-2.2757	2.3545	-	-	-
		27.00000	-70.00000	0.00000	-1.3979	-2.0077	2.1219	-	-	-
		28.00000	-70.00000	0.00000	-0.98446	-1.3636	1.5154	-	-	-
		29.00000	-70.00000	0.00000	-0.88179	-1.0676	1.3329	-	-	-
		30.00000	-70.00000	0.00000	-0.73592	-0.79131	1.1648	-	-	-
		31.00000	-70.00000	0.00000	-0.55475	-0.53650	1.0104	-	-	-
		32.00000	-70.00000	0.00000	-0.34493	-0.30310	0.86472	-	-	-
		33.00000	-70.00000	0.00000	-0.14371	-0.11571	0.71875	-	-	-
		34.00000	-70.00000	0.00000	0.0	0.0	0.56332	-	-	-
		35.00000	-70.00000	0.00000	0.0	0.0	0.44054	-	-	-
		36.00000	-70.00000	0.00000	0.0	0.0	0.31784	-	-	-
		37.00000	-70.00000	0.00000	0.0	0.0	0.19528	-	-	-
		38.00000	-70.00000	0.00000	0.0	0.0	0.072918	-	-	-
		39.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		44.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-70.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-69.00000	0.00000	0.0	0.0	0.10536	-	-	-
		-29.00000	-69.00000	0.00000	0.0	0.0	0.30413	-	-	-
		-28.00000	-69.00000	0.00000	0.0	0.0	0.50289	-	-	-
		-27.00000	-69.00000	0.00000	0.0	0.0	0.70165	-	-	-
		-26.00000	-69.00000	0.00000	0.18712	-0.020900	0.93643	-	-	-
		-25.00000	-69.00000	0.00000	0.64671	-0.072232	1.1768	-	-	-
		-24.00000	-69.00000	0.00000	1.1923	-0.13317	1.4201	-	-	-
		-23.00000	-69.00000	0.00000	1.7416	-0.19453	1.6979	-	-	-
		-22.00000	-69.00000	0.00000	2.2971	-0.25657	2.0320	-	-	-
		-21.00000	-69.00000	0.00000	2.8613	-0.31958	2.4346	-	-	-
		-20.00000	-69.00000	0.00000	3.4365	-0.38383	2.9082	-	-	-
		-19.00000	-69.00000	0.00000	4.0254	-0.44961	3.4455	-	-	-
		-18.00000	-69.00000	0.00000	4.6305	-0.51718	4.0297	-	-	-
		-17.00000	-69.00000	0.00000	5.2541	-0.58684	4.6342	-	-	-
		-16.00000	-69.00000	0.00000	5.8988	-0.65885	5.2228	-	-	-
		-15.00000	-69.00000	0.00000	6.5671	-0.73349	5.7496	-	-	-
		-14.00000	-69.00000	0.00000	7.2614	-0.81104	6.1589	-	-	-
		-13.00000	-69.00000	0.00000	7.9844	-0.89179	6.3857	-	-	-
		-12.00000	-69.00000	0.00000	8.7383	-0.97599	6.3548	-	-	-
		-11.00000	-69.00000	0.00000	9.5258	-1.0639	5.9817	-	-	-
		-10.00000	-69.00000	0.00000			Point lies within an excavation.			
		-9.00000	-69.00000	0.00000			Point lies within an excavation.			
		-8.00000	-69.00000	0.00000			Point lies within an excavation.			
		-7.00000	-69.00000	0.00000			Point lies within an excavation.			
		-6.00000	-69.00000	0.00000			Point lies within an excavation.			
		-5.00000	-69.00000	0.00000			Point lies within an excavation.			
		-4.00000	-69.00000	0.00000			Point lies within an excavation.			
		-3.00000	-69.00000	0.00000			Point lies within an excavation.			
		-2.00000	-69.00000	0.00000			Point lies within an excavation.			
		-1.00000	-69.00000	0.00000			Point lies within an excavation.			
		0.00000	-69.00000	0.00000			Point lies within an excavation.			
		1.00000	-69.00000	0.00000			Point lies within an excavation.			
		2.00000	-69.00000	0.00000			Point lies within an excavation.			
		3.00000	-69.00000	0.00000			Point lies within an excavation.			
		4.00000	-69.00000	0.00000			Point lies within an excavation.			
		5.00000	-69.00000	0.00000			Point lies within an excavation.			
		6.00000	-69.00000	0.00000			Point lies within an excavation.			
		7.00000	-69.00000	0.00000			Point lies within an excavation.			
		8.00000	-69.00000	0.00000	-5.7052	-8.1940	5.6475	-	-	-
		9.00000	-69.00000	0.00000	-5.4367	-7.8083	6.0301	-	-	-
		10.00000	-69.00000	0.00000	-5.1749	-7.4324	6.2715	-	-	-
		11.00000	-69.00000	0.00000	-4.9197	-7.0658	6.3897	-	-	-
		12.00000	-69.00000	0.00000	-4.6708	-6.7083	6.4020	-	-	-
		13.00000	-69.00000	0.00000	-4.4278	-6.3593	6.3242	-	-	-
		14.00000	-69.00000	0.00000	-4.1905	-6.0186	6.1714	-	-	-
		15.00000	-69.00000	0.00000	-3.9587	-5.6857	5.9575	-	-	-
		16.00000	-69.00000	0.00000	-3.7321	-5.3602	5.6954	-	-	-
		17.00000	-69.00000	0.00000	-3.5104	-5.0417	5.3968	-	-	-
		18.00000	-69.00000	0.00000	-3.2933	-4.7299	5.0726	-	-	-
		19.00000	-69.00000	0.00000	-3.0805	-4.4244	4.7325	-	-	-
		20.00000	-69.00000	0.00000	-2.8719	-4.1247	4.3849	-	-	-
		21.00000	-69.00000	0.00000	-2.6670	-3.8305	4.0377	-	-	-
		22.00000	-69.00000	0.00000	-2.4657	-3.5414	3.6972	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		23.00000	-69.00000	0.00000	-2.2677	-3.2570	3.3689	-	-	-
		24.00000	-69.00000	0.00000	-2.0727	-2.9768	3.0572	-	-	-
		25.00000	-69.00000	0.00000	-1.8804	-2.7007	2.7655	-	-	-
		26.00000	-69.00000	0.00000	-1.6905	-2.4280	2.4961	-	-	-
		27.00000	-69.00000	0.00000	-1.5029	-2.1585	2.2501	-	-	-
		28.00000	-69.00000	0.00000	-1.3171	-1.8917	2.0279	-	-	-
		29.00000	-69.00000	0.00000	-1.1330	-1.6272	1.8284	-	-	-
		30.00000	-69.00000	0.00000	-0.95025	-1.3648	1.6497	-	-	-
		31.00000	-69.00000	0.00000	-0.63363	-0.84692	1.1729	-	-	-
		32.00000	-69.00000	0.00000	-0.49833	-0.59158	1.0306	-	-	-
		33.00000	-69.00000	0.00000	-0.32925	-0.35154	0.89325	-	-	-
		34.00000	-69.00000	0.00000	-0.15366	-0.14907	0.75445	-	-	-
		35.00000	-69.00000	0.00000	-0.0049348	-0.0043864	0.60358	-	-	-
		36.00000	-69.00000	0.00000	0.0	0.0	0.48069	-	-	-
		37.00000	-69.00000	0.00000	0.0	0.0	0.36121	-	-	-
		38.00000	-69.00000	0.00000	0.0	0.0	0.24140	-	-	-
		39.00000	-69.00000	0.00000	0.0	0.0	0.12137	-	-	-
		40.00000	-69.00000	0.00000	0.0	0.0	0.0012252	-	-	-
		41.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-69.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-68.00000	0.00000	0.14575	-0.016279	0.90806	-	-	-
		-25.00000	-68.00000	0.00000	0.58589	-0.065439	1.1505	-	-	-
		-24.00000	-68.00000	0.00000	1.1313	-0.12635	1.3917	-	-	-
		-23.00000	-68.00000	0.00000	1.6800	-0.18765	1.6644	-	-	-
		-22.00000	-68.00000	0.00000	2.2347	-0.24960	1.9914	-	-	-
		-21.00000	-68.00000	0.00000	2.7977	-0.31248	2.3861	-	-	-
		-20.00000	-68.00000	0.00000	3.3717	-0.37659	2.8519	-	-	-
		-19.00000	-68.00000	0.00000	3.9589	-0.44218	3.3827	-	-	-
		-18.00000	-68.00000	0.00000	4.5620	-0.50954	3.9628	-	-	-
		-17.00000	-68.00000	0.00000	5.1834	-0.57895	4.5667	-	-	-
		-16.00000	-68.00000	0.00000	5.8257	-0.65068	5.1592	-	-	-
		-15.00000	-68.00000	0.00000	6.4912	-0.72501	5.6954	-	-	-
		-14.00000	-68.00000	0.00000	7.1825	-0.80223	6.1210	-	-	-
		-13.00000	-68.00000	0.00000	7.9021	-0.88260	6.3717	-	-	-
		-12.00000	-68.00000	0.00000	8.6525	-0.96641	6.3736	-	-	-
		-11.00000	-68.00000	0.00000	9.4361	-1.0539	6.0432	-	-	-
		-10.00000	-68.00000	0.00000	Point lies within an excavation.					
		-9.00000	-68.00000	0.00000	Point lies within an excavation.					
		-8.00000	-68.00000	0.00000	Point lies within an excavation.					
		-7.00000	-68.00000	0.00000	Point lies within an excavation.					
		-6.00000	-68.00000	0.00000	Point lies within an excavation.					
		-5.00000	-68.00000	0.00000	Point lies within an excavation.					
		-4.00000	-68.00000	0.00000	Point lies within an excavation.					
		-3.00000	-68.00000	0.00000	Point lies within an excavation.					
		-2.00000	-68.00000	0.00000	Point lies within an excavation.					
		-1.00000	-68.00000	0.00000	Point lies within an excavation.					
		0.00000	-68.00000	0.00000	Point lies within an excavation.					
		1.00000	-68.00000	0.00000	Point lies within an excavation.					

Oasys
3-6 Spring Place, London
Combined

GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)

Job No. J16143 | Sheet No. | Rev.
Drg. Ref.
Made by JD | Date 23-Aug-2016 | Checked

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		2.00000	-68.00000	0.00000	Point lies within an excavation.					
		3.00000	-68.00000	0.00000	Point lies within an excavation.					
		4.00000	-68.00000	0.00000	Point lies within an excavation.					
		5.00000	-68.00000	0.00000	Point lies within an excavation.					
		6.00000	-68.00000	0.00000	Point lies within an excavation.					
		7.00000	-68.00000	0.00000	-5.5872	-8.0245	5.8330	-	-	-
		8.00000	-68.00000	0.00000	-5.3217	-7.6431	6.1517	-	-	-
		9.00000	-68.00000	0.00000	-5.0628	-7.2713	6.3372	-	-	-
		10.00000	-68.00000	0.00000	-4.8104	-6.9088	6.4071	-	-	-
		11.00000	-68.00000	0.00000	-4.5640	-6.5550	6.3782	-	-	-
		12.00000	-68.00000	0.00000	-4.3236	-6.2097	6.2659	-	-	-
		13.00000	-68.00000	0.00000	-4.0888	-5.8724	6.0848	-	-	-
		14.00000	-68.00000	0.00000	-3.8593	-5.5428	5.8484	-	-	-
		15.00000	-68.00000	0.00000	-3.6348	-5.2204	5.5690	-	-	-
		16.00000	-68.00000	0.00000	-3.4151	-4.9049	5.2580	-	-	-
		17.00000	-68.00000	0.00000	-3.2000	-4.5959	4.9257	-	-	-
		18.00000	-68.00000	0.00000	-2.9890	-4.2929	4.5813	-	-	-
		19.00000	-68.00000	0.00000	-2.7821	-3.9957	4.2330	-	-	-
		20.00000	-68.00000	0.00000	-2.5788	-3.7038	3.8880	-	-	-
		21.00000	-68.00000	0.00000	-2.3790	-3.4167	3.5522	-	-	-
		22.00000	-68.00000	0.00000	-2.1823	-3.1343	3.2306	-	-	-
		23.00000	-68.00000	0.00000	-1.9885	-2.8559	2.9273	-	-	-
		24.00000	-68.00000	0.00000	-1.7973	-2.5813	2.6451	-	-	-
		25.00000	-68.00000	0.00000	-1.6084	-2.3100	2.3859	-	-	-
		26.00000	-68.00000	0.00000	-1.4216	-2.0418	2.1503	-	-	-
		27.00000	-68.00000	0.00000	-1.2366	-1.7760	1.9381	-	-	-
		28.00000	-68.00000	0.00000	-1.0531	-1.5125	1.7480	-	-	-
		29.00000	-68.00000	0.00000	-0.87088	-1.2508	1.5776	-	-	-
		30.00000	-68.00000	0.00000	-0.68963	-0.99046	1.4234	-	-	-
		31.00000	-68.00000	0.00000	-0.50908	-0.73115	1.2809	-	-	-
		32.00000	-68.00000	0.00000	-0.27155	-0.35274	0.89631	-	-	-
		33.00000	-68.00000	0.00000	-0.13459	-0.15724	0.76610	-	-	-
		34.00000	-68.00000	0.00000	-0.0086692	-0.0092024	0.62344	-	-	-
		35.00000	-68.00000	0.00000	0.0	0.0	0.50464	-	-	-
		36.00000	-68.00000	0.00000	0.0	0.0	0.38976	-	-	-
		37.00000	-68.00000	0.00000	0.0	0.0	0.27390	-	-	-
		38.00000	-68.00000	0.00000	0.0	0.0	0.15729	-	-	-
		39.00000	-68.00000	0.00000	0.0	0.0	0.040105	-	-	-
		40.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-68.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-67.00000	0.00000	0.0	0.0	0.060961	-	-	-
		-29.00000	-67.00000	0.00000	0.0	0.0	0.25973	-	-	-
		-28.00000	-67.00000	0.00000	0.0	0.0	0.45849	-	-	-
		-27.00000	-67.00000	0.00000	0.0	0.0	0.65725	-	-	-
		-26.00000	-67.00000	0.00000	0.10438	-0.011659	0.87916	-	-	-
		-25.00000	-67.00000	0.00000	0.52508	-0.058647	1.1241	-	-	-
		-24.00000	-67.00000	0.00000	1.0702	-0.11953	1.3637	-	-	-
		-23.00000	-67.00000	0.00000	1.6185	-0.18077	1.6316	-	-	-
		-22.00000	-67.00000	0.00000	2.1724	-0.24264	1.9517	-	-	-
		-21.00000	-67.00000	0.00000	2.7344	-0.30541	2.3385	-	-	-
		-20.00000	-67.00000	0.00000	3.3069	-0.36936	2.7964	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		-19.00000	-67.00000	0.00000	3.8926	-0.43477	3.3206	-	-	-
		-18.00000	-67.00000	0.00000	4.4938	-0.50192	3.8963	-	-	-
		-17.00000	-67.00000	0.00000	5.1130	-0.57108	4.4991	-	-	-
		-16.00000	-67.00000	0.00000	5.7528	-0.64254	5.0949	-	-	-
		-15.00000	-67.00000	0.00000	6.4156	-0.71657	5.6399	-	-	-
		-14.00000	-67.00000	0.00000	7.1040	-0.79345	6.0809	-	-	-
		-13.00000	-67.00000	0.00000	7.8203	-0.87346	6.3546	-	-	-
		-12.00000	-67.00000	0.00000	8.5671	-0.95687	6.3882	-	-	-
		-11.00000	-67.00000	0.00000	9.3468	-1.0440	6.0994	-	-	-
		-10.00000	-67.00000	0.00000			Point lies within an excavation.			
		-9.00000	-67.00000	0.00000			Point lies within an excavation.			
		-8.00000	-67.00000	0.00000			Point lies within an excavation.			
		-7.00000	-67.00000	0.00000			Point lies within an excavation.			
		-6.00000	-67.00000	0.00000			Point lies within an excavation.			
		-5.00000	-67.00000	0.00000			Point lies within an excavation.			
		-4.00000	-67.00000	0.00000			Point lies within an excavation.			
		-3.00000	-67.00000	0.00000			Point lies within an excavation.			
		-2.00000	-67.00000	0.00000			Point lies within an excavation.			
		-1.00000	-67.00000	0.00000			Point lies within an excavation.			
		0.00000	-67.00000	0.00000			Point lies within an excavation.			
		1.00000	-67.00000	0.00000			Point lies within an excavation.			
		2.00000	-67.00000	0.00000			Point lies within an excavation.			
		3.00000	-67.00000	0.00000			Point lies within an excavation.			
		4.00000	-67.00000	0.00000			Point lies within an excavation.			
		5.00000	-67.00000	0.00000	-5.7400	-8.2439	5.5875	-	-	-
		6.00000	-67.00000	0.00000	-5.4705	-7.8569	5.9896	-	-	-
		7.00000	-67.00000	0.00000	-5.2079	-7.4798	6.2479	-	-	-
		8.00000	-67.00000	0.00000	-4.9519	-7.1121	6.3809	-	-	-
		9.00000	-67.00000	0.00000	-4.7022	-6.7534	6.4057	-	-	-
		10.00000	-67.00000	0.00000	-4.4585	-6.4034	6.3386	-	-	-
		11.00000	-67.00000	0.00000	-4.2205	-6.0616	6.1945	-	-	-
		12.00000	-67.00000	0.00000	-3.9880	-5.7277	5.9877	-	-	-
		13.00000	-67.00000	0.00000	-3.7607	-5.4013	5.7311	-	-	-
		14.00000	-67.00000	0.00000	-3.5384	-5.0820	5.4366	-	-	-
		15.00000	-67.00000	0.00000	-3.3207	-4.7693	5.1151	-	-	-
		16.00000	-67.00000	0.00000	-3.1074	-4.4630	4.7764	-	-	-
		17.00000	-67.00000	0.00000	-2.8983	-4.1626	4.4294	-	-	-
		18.00000	-67.00000	0.00000	-2.6930	-3.8677	4.0817	-	-	-
		19.00000	-67.00000	0.00000	-2.4912	-3.5780	3.7400	-	-	-
		20.00000	-67.00000	0.00000	-2.2928	-3.2930	3.4099	-	-	-
		21.00000	-67.00000	0.00000	-2.0974	-3.0123	3.0959	-	-	-
		22.00000	-67.00000	0.00000	-1.9048	-2.7357	2.8015	-	-	-
		23.00000	-67.00000	0.00000	-1.7146	-2.4626	2.5291	-	-	-
		24.00000	-67.00000	0.00000	-1.5267	-2.1927	2.2802	-	-	-
		25.00000	-67.00000	0.00000	-1.3407	-1.9256	2.0549	-	-	-
		26.00000	-67.00000	0.00000	-1.1564	-1.6608	1.8526	-	-	-
		27.00000	-67.00000	0.00000	-0.97349	-1.3981	1.6715	-	-	-
		28.00000	-67.00000	0.00000	-0.79171	-1.1371	1.5086	-	-	-
		29.00000	-67.00000	0.00000	-0.61079	-0.87724	1.3601	-	-	-
		30.00000	-67.00000	0.00000	-0.43047	-0.61825	1.2210	-	-	-
		31.00000	-67.00000	0.00000	-0.25045	-0.35971	1.0853	-	-	-
		32.00000	-67.00000	0.00000	-0.092789	-0.13091	0.75125	-	-	-
		33.00000	-67.00000	0.00000	0.0	0.0	0.61727	-	-	-
		34.00000	-67.00000	0.00000	0.0	0.0	0.51067	-	-	-
		35.00000	-67.00000	0.00000	0.0	0.0	0.40184	-	-	-
		36.00000	-67.00000	0.00000	0.0	0.0	0.29123	-	-	-
		37.00000	-67.00000	0.00000	0.0	0.0	0.17920	-	-	-
		38.00000	-67.00000	0.00000	0.0	0.0	0.066024	-	-	-
		39.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-67.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		-40.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-66.00000	0.00000	0.0	0.0	0.038761	-	-	-
		-29.00000	-66.00000	0.00000	0.0	0.0	0.23753	-	-	-
		-28.00000	-66.00000	0.00000	0.0	0.0	0.43629	-	-	-
		-27.00000	-66.00000	0.00000	0.0	0.0	0.63505	-	-	-
		-26.00000	-66.00000	0.00000	0.063016	-0.0070383	0.84967	-	-	-
		-25.00000	-66.00000	0.00000	0.46427	-0.051855	1.0977	-	-	-
		-24.00000	-66.00000	0.00000	1.0092	-0.11272	1.3361	-	-	-
		-23.00000	-66.00000	0.00000	1.5570	-0.17391	1.5994	-	-	-
		-22.00000	-66.00000	0.00000	2.1102	-0.23569	1.9128	-	-	-
		-21.00000	-66.00000	0.00000	2.6711	-0.29834	2.2917	-	-	-
		-20.00000	-66.00000	0.00000	3.2424	-0.36215	2.7418	-	-	-
		-19.00000	-66.00000	0.00000	3.8264	-0.42738	3.2592	-	-	-
		-18.00000	-66.00000	0.00000	4.4258	-0.49432	3.8301	-	-	-
		-17.00000	-66.00000	0.00000	5.0429	-0.56325	4.4314	-	-	-
		-16.00000	-66.00000	0.00000	5.6803	-0.63444	5.0300	-	-	-
		-15.00000	-66.00000	0.00000	6.3404	-0.70817	5.5832	-	-	-
		-14.00000	-66.00000	0.00000	7.0257	-0.78472	6.0387	-	-	-
		-13.00000	-66.00000	0.00000	7.7388	-0.86436	6.3345	-	-	-
		-12.00000	-66.00000	0.00000	8.4821	-0.94737	6.3989	-	-	-
		-11.00000	-66.00000	0.00000	9.2580	-1.0340	6.1505	-	-	-
		-10.00000	-66.00000	0.00000			Point lies within an excavation.			
		-9.00000	-66.00000	0.00000			Point lies within an excavation.			
		-8.00000	-66.00000	0.00000			Point lies within an excavation.			
		-7.00000	-66.00000	0.00000			Point lies within an excavation.			
		-6.00000	-66.00000	0.00000			Point lies within an excavation.			
		-5.00000	-66.00000	0.00000			Point lies within an excavation.			
		-4.00000	-66.00000	0.00000			Point lies within an excavation.			
		-3.00000	-66.00000	0.00000			Point lies within an excavation.			
		-2.00000	-66.00000	0.00000			Point lies within an excavation.			
		-1.00000	-66.00000	0.00000			Point lies within an excavation.			
		0.00000	-66.00000	0.00000			Point lies within an excavation.			
		1.00000	-66.00000	0.00000			Point lies within an excavation.			
		2.00000	-66.00000	0.00000			Point lies within an excavation.			
		3.00000	-66.00000	0.00000			Point lies within an excavation.			
		4.00000	-66.00000	0.00000	-5.6216	-8.0739	5.7818	-	-	-
		5.00000	-66.00000	0.00000	-5.3551	-7.6912	6.1188	-	-	-
		6.00000	-66.00000	0.00000	-5.0955	-7.3182	6.3203	-	-	-
		7.00000	-66.00000	0.00000	-4.8422	-6.9545	6.4041	-	-	-
		8.00000	-66.00000	0.00000	-4.5951	-6.5997	6.3868	-	-	-
		9.00000	-66.00000	0.00000	-4.3540	-6.2533	6.2843	-	-	-
		10.00000	-66.00000	0.00000	-4.1184	-5.9150	6.1112	-	-	-
		11.00000	-66.00000	0.00000	-3.8882	-5.5844	5.8811	-	-	-
		12.00000	-66.00000	0.00000	-3.6632	-5.2611	5.6066	-	-	-
		13.00000	-66.00000	0.00000	-3.4429	-4.9448	5.2990	-	-	-
		14.00000	-66.00000	0.00000	-3.2272	-4.6349	4.9689	-	-	-
		15.00000	-66.00000	0.00000	-3.0157	-4.3313	4.6256	-	-	-
		16.00000	-66.00000	0.00000	-2.8083	-4.0333	4.2774	-	-	-
		17.00000	-66.00000	0.00000	-2.6045	-3.7407	3.9316	-	-	-
		18.00000	-66.00000	0.00000	-2.4043	-3.4531	3.5943	-	-	-
		19.00000	-66.00000	0.00000	-2.2072	-3.1700	3.2707	-	-	-
		20.00000	-66.00000	0.00000	-2.0130	-2.8912	2.9649	-	-	-
		21.00000	-66.00000	0.00000	-1.8215	-2.6161	2.6799	-	-	-
		22.00000	-66.00000	0.00000	-1.6324	-2.3445	2.4176	-	-	-
		23.00000	-66.00000	0.00000	-1.4453	-2.0758	2.1790	-	-	-
		24.00000	-66.00000	0.00000	-1.2601	-1.8098	1.9639	-	-	-
		25.00000	-66.00000	0.00000	-1.0764	-1.5460	1.7711	-	-	-
		26.00000	-66.00000	0.00000	-0.89407	-1.2841	1.5984	-	-	-
		27.00000	-66.00000	0.00000	-0.71270	-1.0236	1.4423	-	-	-
		28.00000	-66.00000	0.00000	-0.53207	-0.76418	1.2986	-	-	-
		29.00000	-66.00000	0.00000	-0.35192	-0.50543	1.1618	-	-	-
		30.00000	-66.00000	0.00000	-0.18456	-0.26507	1.0253	-	-	-
		31.00000	-66.00000	0.00000	-0.062118	-0.089215	0.88174	-	-	-
		32.00000	-66.00000	0.00000	0.0	0.0	0.74370	-	-	-
		33.00000	-66.00000	0.00000	0.0	0.0	0.49743	-	-	-
		34.00000	-66.00000	0.00000	0.0	0.0	0.39606	-	-	-
		35.00000	-66.00000	0.00000	0.0	0.0	0.29202	-	-	-
		36.00000	-66.00000	0.00000	0.0	0.0	0.18577	-	-	-
		37.00000	-66.00000	0.00000	0.0	0.0	0.077692	-	-	-
		38.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		90.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-66.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-65.00000	0.00000	0.0	0.0	0.016561	-	-	-
		-29.00000	-65.00000	0.00000	0.0	0.0	0.21532	-	-	-
		-28.00000	-65.00000	0.00000	0.0	0.0	0.41409	-	-	-
		-27.00000	-65.00000	0.00000	0.0	0.0	0.61285	-	-	-
		-26.00000	-65.00000	0.00000	0.021647	-0.0024178	0.81951	-	-	-
		-25.00000	-65.00000	0.00000	0.40348	-0.045065	1.0713	-	-	-
		-24.00000	-65.00000	0.00000	0.94826	-0.10591	1.3088	-	-	-
		-23.00000	-65.00000	0.00000	1.4956	-0.16705	1.5679	-	-	-
		-22.00000	-65.00000	0.00000	2.0480	-0.22875	1.8748	-	-	-
		-21.00000	-65.00000	0.00000	2.6080	-0.29129	2.2459	-	-	-
		-20.00000	-65.00000	0.00000	3.1780	-0.35495	2.6881	-	-	-
		-19.00000	-65.00000	0.00000	3.7605	-0.42002	3.1984	-	-	-
		-18.00000	-65.00000	0.00000	4.3580	-0.48675	3.7643	-	-	-
		-17.00000	-65.00000	0.00000	4.9730	-0.55544	4.3637	-	-	-
		-16.00000	-65.00000	0.00000	5.6080	-0.62637	4.9645	-	-	-
		-15.00000	-65.00000	0.00000	6.2655	-0.69980	5.5252	-	-	-
		-14.00000	-65.00000	0.00000	6.9479	-0.77602	5.9945	-	-	-
		-13.00000	-65.00000	0.00000	7.6577	-0.85530	6.3115	-	-	-
		-12.00000	-65.00000	0.00000	8.3975	-0.93793	6.4056	-	-	-
		-11.00000	-65.00000	0.00000	9.1696	-1.0242	6.1965	-	-	-
		-10.00000	-65.00000	0.00000	9.9767	-1.1143	5.5941	-	-	-
		-9.00000	-65.00000	0.00000			Point lies within an excavation.			
		-8.00000	-65.00000	0.00000			Point lies within an excavation.			
		-7.00000	-65.00000	0.00000			Point lies within an excavation.			
		-6.00000	-65.00000	0.00000			Point lies within an excavation.			
		-5.00000	-65.00000	0.00000			Point lies within an excavation.			
		-4.00000	-65.00000	0.00000			Point lies within an excavation.			
		-3.00000	-65.00000	0.00000			Point lies within an excavation.			
		-2.00000	-65.00000	0.00000			Point lies within an excavation.			
		-1.00000	-65.00000	0.00000			Point lies within an excavation.			
		0.00000	-65.00000	0.00000			Point lies within an excavation.			
		1.00000	-65.00000	0.00000			Point lies within an excavation.			
		2.00000	-65.00000	0.00000			Point lies within an excavation.			
		3.00000	-65.00000	0.00000	-5.5045	-7.9057	5.9467	-	-	-
		4.00000	-65.00000	0.00000	-5.2411	-7.5274	6.2223	-	-	-
		5.00000	-65.00000	0.00000	-4.9842	-7.1585	6.3703	-	-	-
		6.00000	-65.00000	0.00000	-4.7337	-6.7986	6.4080	-	-	-
		7.00000	-65.00000	0.00000	-4.4892	-6.4475	6.3517	-	-	-
		8.00000	-65.00000	0.00000	-4.2505	-6.1047	6.2167	-	-	-
		9.00000	-65.00000	0.00000	-4.0174	-5.7699	6.0171	-	-	-
		10.00000	-65.00000	0.00000	-3.7894	-5.4425	5.7661	-	-	-
		11.00000	-65.00000	0.00000	-3.5665	-5.1223	5.4758	-	-	-
		12.00000	-65.00000	0.00000	-3.3482	-4.8088	5.1572	-	-	-
		13.00000	-65.00000	0.00000	-3.1344	-4.5017	4.8203	-	-	-
		14.00000	-65.00000	0.00000	-2.9247	-4.2006	4.4739	-	-	-
		15.00000	-65.00000	0.00000	-2.7189	-3.9050	4.1259	-	-	-
		16.00000	-65.00000	0.00000	-2.5168	-3.6147	3.7831	-	-	-
		17.00000	-65.00000	0.00000	-2.3179	-3.3291	3.4512	-	-	-
		18.00000	-65.00000	0.00000	-2.1222	-3.0479	3.1349	-	-	-
		19.00000	-65.00000	0.00000	-1.9292	-2.7708	2.8379	-	-	-
		20.00000	-65.00000	0.00000	-1.7387	-2.4972	2.5626	-	-	-
		21.00000	-65.00000	0.00000	-1.5505	-2.2269	2.3106	-	-	-
		22.00000	-65.00000	0.00000	-1.3643	-1.9595	2.0823	-	-	-
		23.00000	-65.00000	0.00000	-1.1798	-1.6945	1.8772	-	-	-
		24.00000	-65.00000	0.00000	-0.99675	-1.4316	1.6935	-	-	-
		25.00000	-65.00000	0.00000	-0.81484	-1.1703	1.5285	-	-	-
		26.00000	-65.00000	0.00000	-0.63383	-0.91033	1.3784	-	-	-
		27.00000	-65.00000	0.00000	-0.45344	-0.65125	1.2384	-	-	-
		28.00000	-65.00000	0.00000	-0.27340	-0.39267	1.1026	-	-	-
		29.00000	-65.00000	0.00000	-0.13115	-0.18835	0.96406	-	-	-
		30.00000	-65.00000	0.00000	-0.0087064	-0.012504	0.81470	-	-	-
		31.00000	-65.00000	0.00000	0.0	0.0	0.69385	-	-	-
		32.00000	-65.00000	0.00000	0.0	0.0	0.57956	-	-	-
		33.00000	-65.00000	0.00000	0.0	0.0	0.46528	-	-	-
		34.00000	-65.00000	0.00000	0.0	0.0	0.27516	-	-	-
		35.00000	-65.00000	0.00000	0.0	0.0	0.17586	-	-	-
		36.00000	-65.00000	0.00000	0.0	0.0	0.073985	-	-	-
		37.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		69.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-65.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-64.00000	0.00000	0.0	0.0	0.19312	-	-	-
		-28.00000	-64.00000	0.00000	0.0	0.0	0.39189	-	-	-
		-27.00000	-64.00000	0.00000	0.0	0.0	0.59065	-	-	-
		-26.00000	-64.00000	0.00000	0.0	0.0	0.78942	-	-	-
		-25.00000	-64.00000	0.00000	0.35066	-0.039166	1.0446	-	-	-
		-24.00000	-64.00000	0.00000	0.88733	-0.099107	1.2818	-	-	-
		-23.00000	-64.00000	0.00000	1.4343	-0.16020	1.5370	-	-	-
		-22.00000	-64.00000	0.00000	1.9860	-0.22182	1.8375	-	-	-
		-21.00000	-64.00000	0.00000	2.5450	-0.28425	2.2010	-	-	-
		-20.00000	-64.00000	0.00000	3.1137	-0.34778	2.6352	-	-	-
		-19.00000	-64.00000	0.00000	3.6947	-0.41267	3.1383	-	-	-
		-18.00000	-64.00000	0.00000	4.2905	-0.47921	3.6990	-	-	-
		-17.00000	-64.00000	0.00000	4.9034	-0.54767	4.2960	-	-	-
		-16.00000	-64.00000	0.00000	5.5360	-0.61833	4.8985	-	-	-
		-15.00000	-64.00000	0.00000	6.1908	-0.69146	5.4661	-	-	-
		-14.00000	-64.00000	0.00000	6.8703	-0.76736	5.9484	-	-	-
		-13.00000	-64.00000	0.00000	7.5770	-0.84628	6.2858	-	-	-
		-12.00000	-64.00000	0.00000	8.3133	-0.92852	6.4086	-	-	-
		-11.00000	-64.00000	0.00000	9.0817	-1.0144	6.2376	-	-	-
		-10.00000	-64.00000	0.00000	9.8848	-1.1040	5.6840	-	-	-
		-9.00000	-64.00000	0.00000			Point lies within an excavation.			
		-8.00000	-64.00000	0.00000			Point lies within an excavation.			
		-7.00000	-64.00000	0.00000			Point lies within an excavation.			
		-6.00000	-64.00000	0.00000			Point lies within an excavation.			
		-5.00000	-64.00000	0.00000			Point lies within an excavation.			
		-4.00000	-64.00000	0.00000			Point lies within an excavation.			
		-3.00000	-64.00000	0.00000			Point lies within an excavation.			
		-2.00000	-64.00000	0.00000			Point lies within an excavation.			
		-1.00000	-64.00000	0.00000			Point lies within an excavation.			
		0.00000	-64.00000	0.00000			Point lies within an excavation.			
		1.00000	-64.00000	0.00000	-5.6560	-8.1234	5.7281	-	-	-
		2.00000	-64.00000	0.00000	-5.3887	-7.7395	6.0838	-	-	-
		3.00000	-64.00000	0.00000	-5.1282	-7.3653	6.3015	-	-	-
		4.00000	-64.00000	0.00000	-4.8742	-7.0004	6.3993	-	-	-
		5.00000	-64.00000	0.00000	-4.6263	-6.6444	6.3941	-	-	-
		6.00000	-64.00000	0.00000	-4.3844	-6.2970	6.3016	-	-	-
		7.00000	-64.00000	0.00000	-4.1482	-5.9577	6.1368	-	-	-
		8.00000	-64.00000	0.00000	-3.9173	-5.6262	5.9132	-	-	-
		9.00000	-64.00000	0.00000	-3.6916	-5.3020	5.6437	-	-	-
		10.00000	-64.00000	0.00000	-3.4707	-4.9848	5.3397	-	-	-
		11.00000	-64.00000	0.00000	-3.2544	-4.6741	5.0119	-	-	-
		12.00000	-64.00000	0.00000	-3.0425	-4.3697	4.6698	-	-	-
		13.00000	-64.00000	0.00000	-2.8345	-4.0710	4.3218	-	-	-
		14.00000	-64.00000	0.00000	-2.6303	-3.7778	3.9753	-	-	-
		15.00000	-64.00000	0.00000	-2.4296	-3.4895	3.6366	-	-	-
		16.00000	-64.00000	0.00000	-2.2322	-3.2059	3.3111	-	-	-
		17.00000	-64.00000	0.00000	-2.0377	-2.9265	3.0028	-	-	-
		18.00000	-64.00000	0.00000	-1.8458	-2.6510	2.7150	-	-	-
		19.00000	-64.00000	0.00000	-1.6564	-2.3789	2.4498	-	-	-
		20.00000	-64.00000	0.00000	-1.4691	-2.1099	2.2081	-	-	-
		21.00000	-64.00000	0.00000	-1.2836	-1.8436	1.9901	-	-	-
		22.00000	-64.00000	0.00000	-1.0998	-1.5796	1.7945	-	-	-
		23.00000	-64.00000	0.00000	-0.91727	-1.3174	1.6194	-	-	-
		24.00000	-64.00000	0.00000	-0.73579	-1.0568	1.4614	-	-	-
		25.00000	-64.00000	0.00000	-0.55508	-0.79722	1.3164	-	-	-
		26.00000	-64.00000	0.00000	-0.37488	-0.53841	1.1791	-	-	-
		27.00000	-64.00000	0.00000	-0.20017	-0.28749	1.0430	-	-	-
		28.00000	-64.00000	0.00000	-0.077734	-0.11164	0.90074	-	-	-
		29.00000	-64.00000	0.00000	0.0	0.0	0.75827	-	-	-
		30.00000	-64.00000	0.00000	0.0	0.0	0.64399	-	-	-
		31.00000	-64.00000	0.00000	0.0	0.0	0.52971	-	-	-
		32.00000	-64.00000	0.00000	0.0	0.0	0.41543	-	-	-
		33.00000	-64.00000	0.00000	0.0	0.0	0.30115	-	-	-
		34.00000	-64.00000	0.00000	0.0	0.0	0.14866	-	-	-
		35.00000	-64.00000	0.00000	0.0	0.0	0.054011	-	-	-
		36.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		48.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-64.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-63.00000	0.00000	0.0	0.0	0.17092	-	-	-
		-28.00000	-63.00000	0.00000	0.0	0.0	0.36969	-	-	-
		-27.00000	-63.00000	0.00000	0.0	0.0	0.56845	-	-	-
		-26.00000	-63.00000	0.00000	0.0	0.0	0.76722	-	-	-
		-25.00000	-63.00000	0.00000	0.30929	-0.034545	1.0177	-	-	-
		-24.00000	-63.00000	0.00000	0.82643	-0.092305	1.2550	-	-	-
		-23.00000	-63.00000	0.00000	1.3730	-0.15335	1.5066	-	-	-
		-22.00000	-63.00000	0.00000	1.9241	-0.21490	1.8011	-	-	-
		-21.00000	-63.00000	0.00000	2.4821	-0.27723	2.1569	-	-	-
		-20.00000	-63.00000	0.00000	3.0497	-0.34062	2.5831	-	-	-
		-19.00000	-63.00000	0.00000	3.6292	-0.40535	3.0790	-	-	-
		-18.00000	-63.00000	0.00000	4.2231	-0.47169	3.6341	-	-	-
		-17.00000	-63.00000	0.00000	4.8340	-0.53992	4.2284	-	-	-
		-16.00000	-63.00000	0.00000	5.4643	-0.61032	4.8321	-	-	-
		-15.00000	-63.00000	0.00000	6.1165	-0.68316	5.4059	-	-	-
		-14.00000	-63.00000	0.00000	6.7931	-0.75874	5.9006	-	-	-
		-13.00000	-63.00000	0.00000	7.4966	-0.83731	6.2574	-	-	-
		-12.00000	-63.00000	0.00000	8.2295	-0.91916	6.4079	-	-	-
		-11.00000	-63.00000	0.00000	8.9942	-1.0046	6.2740	-	-	-
		-10.00000	-63.00000	0.00000	9.7933	-1.0938	5.7678	-	-	-
		-9.00000	-63.00000	0.00000			Point lies within an excavation.			
		-8.00000	-63.00000	0.00000			Point lies within an excavation.			
		-7.00000	-63.00000	0.00000			Point lies within an excavation.			
		-6.00000	-63.00000	0.00000			Point lies within an excavation.			
		-5.00000	-63.00000	0.00000			Point lies within an excavation.			
		-4.00000	-63.00000	0.00000			Point lies within an excavation.			
		-3.00000	-63.00000	0.00000			Point lies within an excavation.			
		-2.00000	-63.00000	0.00000			Point lies within an excavation.			
		-1.00000	-63.00000	0.00000			Point lies within an excavation.			
		0.00000	-63.00000	0.00000	-5.5386	-7.9547	5.9014	-	-	-
		1.00000	-63.00000	0.00000	-5.2743	-7.5751	6.1947	-	-	-
		2.00000	-63.00000	0.00000	-5.0166	-7.2050	6.3579	-	-	-
		3.00000	-63.00000	0.00000	-4.7653	-6.8440	6.4088	-	-	-
		4.00000	-63.00000	0.00000	-4.5201	-6.4919	6.3636	-	-	-
		5.00000	-63.00000	0.00000	-4.2807	-6.1480	6.2378	-	-	-
		6.00000	-63.00000	0.00000	-4.0468	-5.8122	6.0457	-	-	-
		7.00000	-63.00000	0.00000	-3.8182	-5.4839	5.8006	-	-	-
		8.00000	-63.00000	0.00000	-3.5947	-5.1628	5.5147	-	-	-
		9.00000	-63.00000	0.00000	-3.3758	-4.8485	5.1991	-	-	-
		10.00000	-63.00000	0.00000	-3.1614	-4.5406	4.8639	-	-	-
		11.00000	-63.00000	0.00000	-2.9513	-4.2387	4.5183	-	-	-
		12.00000	-63.00000	0.00000	-2.7450	-3.9424	4.1701	-	-	-
		13.00000	-63.00000	0.00000	-2.5424	-3.6514	3.8263	-	-	-
		14.00000	-63.00000	0.00000	-2.3431	-3.3653	3.4927	-	-	-
		15.00000	-63.00000	0.00000	-2.1470	-3.0835	3.1742	-	-	-
		16.00000	-63.00000	0.00000	-1.9537	-2.8059	2.8746	-	-	-
		17.00000	-63.00000	0.00000	-1.7629	-2.5319	2.5964	-	-	-
		18.00000	-63.00000	0.00000	-1.5744	-2.2612	2.3414	-	-	-
		19.00000	-63.00000	0.00000	-1.3880	-1.9934	2.1101	-	-	-
		20.00000	-63.00000	0.00000	-1.2033	-1.7282	1.9021	-	-	-
		21.00000	-63.00000	0.00000	-1.0200	-1.4650	1.7158	-	-	-
		22.00000	-63.00000	0.00000	-0.83799	-1.2035	1.5486	-	-	-
		23.00000	-63.00000	0.00000	-0.65688	-0.94343	1.3969	-	-	-
		24.00000	-63.00000	0.00000	-0.47642	-0.68425	1.2559	-	-	-
		25.00000	-63.00000	0.00000	-0.29636	-0.42564	1.1200	-	-	-
		26.00000	-63.00000	0.00000	-0.14676	-0.21078	0.98216	-	-	-

Oasys
3-6 Spring Place, London
Combined

GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)

Job No.	Sheet No.	Rev.
J16143		

Drg. Ref.

Made by	Date	Checked
JD	23-Aug-2016	

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		27.00000	-63.00000	0.00000	-0.024322	-0.034932	0.83465	-	-	-
		28.00000	-63.00000	0.00000	0.0	0.0	0.70842	-	-	-
		29.00000	-63.00000	0.00000	0.0	0.0	0.59414	-	-	-
		30.00000	-63.00000	0.00000	0.0	0.0	0.47986	-	-	-
		31.00000	-63.00000	0.00000	0.0	0.0	0.36558	-	-	-
		32.00000	-63.00000	0.00000	0.0	0.0	0.25130	-	-	-
		33.00000	-63.00000	0.00000	0.0	0.0	0.13702	-	-	-
		34.00000	-63.00000	0.00000	0.0	0.0	0.022735	-	-	-
		35.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-63.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-62.00000	0.00000	0.0	0.0	0.14872	-	-	-
		-28.00000	-62.00000	0.00000	0.0	0.0	0.34749	-	-	-
		-27.00000	-62.00000	0.00000	0.0	0.0	0.54625	-	-	-
		-26.00000	-62.00000	0.00000	0.0	0.0	0.74502	-	-	-
		-25.00000	-62.00000	0.00000	0.26792	-0.029925	0.99054	-	-	-
		-24.00000	-62.00000	0.00000	0.76555	-0.085506	1.2284	-	-	-
		-23.00000	-62.00000	0.00000	1.3118	-0.14651	1.4768	-	-	-
		-22.00000	-62.00000	0.00000	1.8622	-0.20799	1.7654	-	-	-
		-21.00000	-62.00000	0.00000	2.4194	-0.27022	2.1138	-	-	-
		-20.00000	-62.00000	0.00000	2.9857	-0.33348	2.5320	-	-	-
		-19.00000	-62.00000	0.00000	3.5638	-0.39804	3.0204	-	-	-
		-18.00000	-62.00000	0.00000	4.1560	-0.46419	3.5697	-	-	-
		-17.00000	-62.00000	0.00000	4.7648	-0.53219	4.1609	-	-	-
		-16.00000	-62.00000	0.00000	5.3929	-0.60234	4.7654	-	-	-
		-15.00000	-62.00000	0.00000	6.0425	-0.67490	5.3447	-	-	-
		-14.00000	-62.00000	0.00000	6.7163	-0.75015	5.8510	-	-	-
		-13.00000	-62.00000	0.00000	7.4166	-0.82838	6.2264	-	-	-
		-12.00000	-62.00000	0.00000	8.1461	-0.90985	6.4037	-	-	-
		-11.00000	-62.00000	0.00000	8.9071	-0.99485	6.3057	-	-	-
		-10.00000	-62.00000	0.00000	9.7022	-1.0837	5.8457	-	-	-
		-9.00000	-62.00000	0.00000			Point lies within an excavation.			
		-8.00000	-62.00000	0.00000			Point lies within an excavation.			
		-7.00000	-62.00000	0.00000			Point lies within an excavation.			
		-6.00000	-62.00000	0.00000			Point lies within an excavation.			
		-5.00000	-62.00000	0.00000			Point lies within an excavation.			
		-4.00000	-62.00000	0.00000			Point lies within an excavation.			
		-3.00000	-62.00000	0.00000			Point lies within an excavation.			
		-2.00000	-62.00000	0.00000	-5.6906	-8.1731	5.6719	-	-	-
		-1.00000	-62.00000	0.00000	-5.4225	-7.7879	6.0465	-	-	-
		0.00000	-62.00000	0.00000	-5.1611	-7.4125	6.2808	-	-	-
		1.00000	-62.00000	0.00000	-4.9062	-7.0464	6.3929	-	-	-
		2.00000	-62.00000	0.00000	-4.6576	-6.6894	6.3999	-	-	-
		3.00000	-62.00000	0.00000	-4.4149	-6.3409	6.3178	-	-	-
		4.00000	-62.00000	0.00000	-4.1780	-6.0005	6.1613	-	-	-
		5.00000	-62.00000	0.00000	-3.9465	-5.6680	5.9445	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
	6.00000	-62.00000	0.00000	-3.7201	-5.3429	5.6802	-	-	-
	7.00000	-62.00000	0.00000	-3.4986	-5.0248	5.3800	-	-	-
	8.00000	-62.00000	0.00000	-3.2818	-4.7134	5.0547	-	-	-
	9.00000	-62.00000	0.00000	-3.0693	-4.4082	4.7139	-	-	-
	10.00000	-62.00000	0.00000	-2.8608	-4.1088	4.3663	-	-	-
	11.00000	-62.00000	0.00000	-2.6562	-3.8149	4.0192	-	-	-
	12.00000	-62.00000	0.00000	-2.4550	-3.5260	3.6792	-	-	-
	13.00000	-62.00000	0.00000	-2.2572	-3.2418	3.3517	-	-	-
	14.00000	-62.00000	0.00000	-2.0623	-2.9619	3.0410	-	-	-
	15.00000	-62.00000	0.00000	-1.8701	-2.6860	2.7505	-	-	-
	16.00000	-62.00000	0.00000	-1.6804	-2.4135	2.4823	-	-	-
	17.00000	-62.00000	0.00000	-1.4929	-2.1441	2.2376	-	-	-
	18.00000	-62.00000	0.00000	-1.3072	-1.8774	2.0166	-	-	-
	19.00000	-62.00000	0.00000	-1.1232	-1.6131	1.8183	-	-	-
	20.00000	-62.00000	0.00000	-0.94048	-1.3507	1.6407	-	-	-
	21.00000	-62.00000	0.00000	-0.75888	-1.0899	1.4808	-	-	-
	22.00000	-62.00000	0.00000	-0.57809	-0.83027	1.3344	-	-	-
	23.00000	-62.00000	0.00000	-0.39784	-0.57139	1.1964	-	-	-
	24.00000	-62.00000	0.00000	-0.21786	-0.31289	1.0605	-	-	-
	25.00000	-62.00000	0.00000	-0.093350	-0.13407	0.91951	-	-	-
	26.00000	-62.00000	0.00000	0.0	0.0	0.77285	-	-	-
	27.00000	-62.00000	0.00000	0.0	0.0	0.65857	-	-	-
	28.00000	-62.00000	0.00000	0.0	0.0	0.54429	-	-	-
	29.00000	-62.00000	0.00000	0.0	0.0	0.43001	-	-	-
	30.00000	-62.00000	0.00000	0.0	0.0	0.31573	-	-	-
	31.00000	-62.00000	0.00000	0.0	0.0	0.20144	-	-	-
	32.00000	-62.00000	0.00000	0.0	0.0	0.087163	-	-	-
	33.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	34.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	35.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	36.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	37.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	38.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	39.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	40.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	41.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	42.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	43.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	44.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	45.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	46.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	47.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	48.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	49.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	50.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	51.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	52.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	53.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	54.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	55.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	56.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	57.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	58.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	59.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	60.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	61.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	62.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	63.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	64.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	65.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	66.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	67.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	68.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	69.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	70.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	71.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	72.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	73.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	74.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	75.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	76.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	77.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	78.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	79.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	80.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	81.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	82.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	83.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	84.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	85.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	86.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	87.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	88.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	89.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	90.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	91.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	92.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	93.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	94.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	95.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	96.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	97.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	98.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	99.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	100.00000	-62.00000	0.00000	0.0	0.0	0.0	-	-	-
	-50.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	-49.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	-48.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	-47.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	-46.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	-45.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	-44.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	-43.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	-42.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	-41.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	-40.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	-39.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	-38.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	-37.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	-36.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	-35.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	-34.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	-33.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	-32.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	-31.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	-30.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	-29.00000	-61.00000	0.00000	0.0	0.0	0.12652	-	-	-
	-28.00000	-61.00000	0.00000	0.0	0.0	0.32529	-	-	-
	-27.00000	-61.00000	0.00000	0.0	0.0	0.52405	-	-	-
	-26.00000	-61.00000	0.00000	0.0	0.0	0.72282	-	-	-
	-25.00000	-61.00000	0.00000	0.22655	-0.025304	0.96303	-	-	-
	-24.00000	-61.00000	0.00000	0.70470	-0.078709	1.2019	-	-	-
	-23.00000	-61.00000	0.00000	1.2506	-0.13968	1.4476	-	-	-
	-22.00000	-61.00000	0.00000	1.8004	-0.20110	1.7305	-	-	-
	-21.00000	-61.00000	0.00000	2.3567	-0.26323	2.0715	-	-	-
	-20.00000	-61.00000	0.00000	2.9219	-0.32636	2.4817	-	-	-
	-19.00000	-61.00000	0.00000	3.4985	-0.39076	2.9626	-	-	-
	-18.00000	-61.00000	0.00000	4.0890	-0.45671	3.5058	-	-	-
	-17.00000	-61.00000	0.00000	4.6959	-0.52450	4.0936	-	-	-
	-16.00000	-61.00000	0.00000	5.3217	-0.59439	4.6983	-	-	-

Oasys
3-6 Spring Place, London
Combined

GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)

Job No. J16143 | Sheet No. | Rev.
Drg. Ref.
Made by JD | Date 23-Aug-2016 | Checked

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
	-15.00000	-61.00000	0.00000	5.9688	-0.66666	5.2827	-	-	-
	-14.00000	-61.00000	0.00000	6.6397	-0.74160	5.7998	-	-	-
	-13.00000	-61.00000	0.00000	7.3370	-0.81948	6.1930	-	-	-
	-12.00000	-61.00000	0.00000	8.0631	-0.90058	6.3960	-	-	-
	-11.00000	-61.00000	0.00000	8.8205	-0.98518	6.3329	-	-	-
	-10.00000	-61.00000	0.00000	9.6117	-1.0735	5.9180	-	-	-
	-9.00000	-61.00000	0.00000		Point lies within an excavation.				
	-8.00000	-61.00000	0.00000		Point lies within an excavation.				
	-7.00000	-61.00000	0.00000		Point lies within an excavation.				
	-6.00000	-61.00000	0.00000		Point lies within an excavation.				
	-5.00000	-61.00000	0.00000		Point lies within an excavation.				
	-4.00000	-61.00000	0.00000		Point lies within an excavation.				
	-3.00000	-61.00000	0.00000	-5.5728	-8.0038	5.8537	-	-	-
	-2.00000	-61.00000	0.00000	-5.3076	-7.6230	6.1649	-	-	-
	-1.00000	-61.00000	0.00000	-5.0491	-7.2517	6.3437	-	-	-
	0.00000	-61.00000	0.00000	-4.7970	-6.8896	6.4080	-	-	-
	1.00000	-61.00000	0.00000	-4.5510	-6.5363	6.3741	-	-	-
	2.00000	-61.00000	0.00000	-4.3109	-6.1914	6.2578	-	-	-
	3.00000	-61.00000	0.00000	-4.0763	-5.8546	6.0734	-	-	-
	4.00000	-61.00000	0.00000	-3.8471	-5.5253	5.8344	-	-	-
	5.00000	-61.00000	0.00000	-3.6229	-5.2033	5.5530	-	-	-
	6.00000	-61.00000	0.00000	-3.4035	-4.8882	5.2406	-	-	-
	7.00000	-61.00000	0.00000	-3.1885	-4.5795	4.9074	-	-	-
	8.00000	-61.00000	0.00000	-2.9778	-4.2769	4.5627	-	-	-
	9.00000	-61.00000	0.00000	-2.7711	-3.9799	4.2144	-	-	-
	10.00000	-61.00000	0.00000	-2.5680	-3.6883	3.8697	-	-	-
	11.00000	-61.00000	0.00000	-2.3683	-3.4015	3.5345	-	-	-
	12.00000	-61.00000	0.00000	-2.1718	-3.1192	3.2139	-	-	-
	13.00000	-61.00000	0.00000	-1.9782	-2.8411	2.9116	-	-	-
	14.00000	-61.00000	0.00000	-1.7871	-2.5667	2.6306	-	-	-
	15.00000	-61.00000	0.00000	-1.5983	-2.2956	2.3726	-	-	-
	16.00000	-61.00000	0.00000	-1.4117	-2.0275	2.1383	-	-	-
	17.00000	-61.00000	0.00000	-1.2267	-1.7619	1.9274	-	-	-
	18.00000	-61.00000	0.00000	-1.0433	-1.4984	1.7384	-	-	-
	19.00000	-61.00000	0.00000	-0.86115	-1.2368	1.5690	-	-	-
	20.00000	-61.00000	0.00000	-0.67993	-0.97654	1.4155	-	-	-
	21.00000	-61.00000	0.00000	-0.49941	-0.71727	1.2735	-	-	-
	22.00000	-61.00000	0.00000	-0.31931	-0.45860	1.1372	-	-	-
	23.00000	-61.00000	0.00000	-0.16238	-0.23321	1.0001	-	-	-
	24.00000	-61.00000	0.00000	-0.039938	-0.057361	0.85431	-	-	-
	25.00000	-61.00000	0.00000	0.0	0.0	0.72300	-	-	-
	26.00000	-61.00000	0.00000	0.0	0.0	0.60872	-	-	-
	27.00000	-61.00000	0.00000	0.0	0.0	0.49443	-	-	-
	28.00000	-61.00000	0.00000	0.0	0.0	0.38015	-	-	-
	29.00000	-61.00000	0.00000	0.0	0.0	0.26587	-	-	-
	30.00000	-61.00000	0.00000	0.0	0.0	0.15159	-	-	-
	31.00000	-61.00000	0.00000	0.0	0.0	0.037311	-	-	-
	32.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	33.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	34.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	35.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	36.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	37.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	38.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	39.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	40.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	41.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	42.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	43.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	44.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	45.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	46.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	47.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	48.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	49.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	50.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	51.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	52.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	53.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	54.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	55.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	56.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	57.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	58.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	59.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	60.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	61.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	62.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	63.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	64.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	65.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	66.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	67.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	68.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	69.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	70.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	71.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	72.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	73.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	74.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	75.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	76.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	77.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	78.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	79.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	80.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	81.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	82.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	83.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	84.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	85.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	86.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	87.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	88.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	89.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	90.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	91.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	92.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	93.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	94.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	95.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	96.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	97.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	98.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	99.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	100.00000	-61.00000	0.00000	0.0	0.0	0.0	-	-	-
	-50.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
	-49.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
	-48.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
	-47.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
	-46.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
	-45.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
	-44.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
	-43.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
	-42.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
	-41.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
	-40.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
	-39.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
	-38.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
	-37.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		-36.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-60.00000	0.00000	0.0	0.0	0.10432	-	-	-
		-28.00000	-60.00000	0.00000	0.0	0.0	0.30309	-	-	-
		-27.00000	-60.00000	0.00000	0.0	0.0	0.50185	-	-	-
		-26.00000	-60.00000	0.00000	0.0	0.0	0.70062	-	-	-
		-25.00000	-60.00000	0.00000	0.18519	-0.020684	0.93511	-	-	-
		-24.00000	-60.00000	0.00000	0.64386	-0.071914	1.1755	-	-	-
		-23.00000	-60.00000	0.00000	1.1895	-0.13285	1.4188	-	-	-
		-22.00000	-60.00000	0.00000	1.7388	-0.19421	1.6963	-	-	-
		-21.00000	-60.00000	0.00000	2.2942	-0.25624	2.0301	-	-	-
		-20.00000	-60.00000	0.00000	2.8583	-0.31925	2.4323	-	-	-
		-19.00000	-60.00000	0.00000	3.4335	-0.38349	2.9055	-	-	-
		-18.00000	-60.00000	0.00000	4.0223	-0.44926	3.4425	-	-	-
		-17.00000	-60.00000	0.00000	4.6273	-0.51683	4.0265	-	-	-
		-16.00000	-60.00000	0.00000	5.2508	-0.58647	4.6310	-	-	-
		-15.00000	-60.00000	0.00000	5.8954	-0.65846	5.2198	-	-	-
		-14.00000	-60.00000	0.00000	6.5635	-0.73309	5.7471	-	-	-
		-13.00000	-60.00000	0.00000	7.2578	-0.81063	6.1572	-	-	-
		-12.00000	-60.00000	0.00000	7.9805	-0.89135	6.3851	-	-	-
		-11.00000	-60.00000	0.00000	8.7343	-0.97554	6.3558	-	-	-
		-10.00000	-60.00000	0.00000	9.5216	-1.0635	5.9847	-	-	-
		-9.00000	-60.00000	0.00000	Point lies within an excavation.					
		-8.00000	-60.00000	0.00000	Point lies within an excavation.					
		-7.00000	-60.00000	0.00000	Point lies within an excavation.					
		-6.00000	-60.00000	0.00000	Point lies within an excavation.					
		-5.00000	-60.00000	0.00000	-5.7253	-8.2229	5.6131	-	-	-
		-4.00000	-60.00000	0.00000	-5.4563	-7.8365	6.0069	-	-	-
		-3.00000	-60.00000	0.00000	-5.1940	-7.4598	6.2581	-	-	-
		-2.00000	-60.00000	0.00000	-4.9384	-7.0926	6.3848	-	-	-
		-1.00000	-60.00000	0.00000	-4.6890	-6.7344	6.4043	-	-	-
		0.00000	-60.00000	0.00000	-4.4456	-6.3848	6.3327	-	-	-
		1.00000	-60.00000	0.00000	-4.2079	-6.0435	6.1849	-	-	-
		2.00000	-60.00000	0.00000	-3.9757	-5.7100	5.9751	-	-	-
		3.00000	-60.00000	0.00000	-3.7487	-5.3840	5.7161	-	-	-
		4.00000	-60.00000	0.00000	-3.5266	-5.0650	5.4199	-	-	-
		5.00000	-60.00000	0.00000	-3.3092	-4.7527	5.0973	-	-	-
		6.00000	-60.00000	0.00000	-3.0961	-4.4468	4.7580	-	-	-
		7.00000	-60.00000	0.00000	-2.8872	-4.1467	4.4107	-	-	-
		8.00000	-60.00000	0.00000	-2.6821	-3.8521	4.0632	-	-	-
		9.00000	-60.00000	0.00000	-2.4805	-3.5626	3.7220	-	-	-
		10.00000	-60.00000	0.00000	-2.2822	-3.2778	3.3926	-	-	-
		11.00000	-60.00000	0.00000	-2.0870	-2.9974	3.0796	-	-	-
		12.00000	-60.00000	0.00000	-1.8945	-2.7209	2.7863	-	-	-
		13.00000	-60.00000	0.00000	-1.7045	-2.4480	2.5152	-	-	-
		14.00000	-60.00000	0.00000	-1.5167	-2.1783	2.2675	-	-	-
		15.00000	-60.00000	0.00000	-1.3308	-1.9113	2.0435	-	-	-
		16.00000	-60.00000	0.00000	-1.1466	-1.6467	1.8424	-	-	-
		17.00000	-60.00000	0.00000	-0.96372	-1.3841	1.6623	-	-	-
		18.00000	-60.00000	0.00000	-0.78199	-1.1231	1.5003	-	-	-
		19.00000	-60.00000	0.00000	-0.60112	-0.86334	1.3525	-	-	-
		20.00000	-60.00000	0.00000	-0.42081	-0.60438	1.2137	-	-	-
		21.00000	-60.00000	0.00000	-0.24081	-0.34585	1.0780	-	-	-
		22.00000	-60.00000	0.00000	-0.10897	-0.15650	0.93806	-	-	-
		23.00000	-60.00000	0.00000	0.0	0.0	0.78742	-	-	-
		24.00000	-60.00000	0.00000	0.0	0.0	0.67314	-	-	-
		25.00000	-60.00000	0.00000	0.0	0.0	0.55886	-	-	-
		26.00000	-60.00000	0.00000	0.0	0.0	0.44458	-	-	-
		27.00000	-60.00000	0.00000	0.0	0.0	0.33030	-	-	-
		28.00000	-60.00000	0.00000	0.0	0.0	0.21602	-	-	-
		29.00000	-60.00000	0.00000	0.0	0.0	0.10174	-	-	-
		30.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		94.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-60.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-59.00000	0.00000	0.0	0.0	0.082123	-	-	-
		-28.00000	-59.00000	0.00000	0.0	0.0	0.28089	-	-	-
		-27.00000	-59.00000	0.00000	0.0	0.0	0.47965	-	-	-
		-26.00000	-59.00000	0.00000	0.0	0.0	0.67842	-	-	-
		-25.00000	-59.00000	0.00000	0.14382	-0.016063	0.90672	-	-	-
		-24.00000	-59.00000	0.00000	0.58304	-0.065121	1.1492	-	-	-
		-23.00000	-59.00000	0.00000	1.1284	-0.12603	1.3904	-	-	-
		-22.00000	-59.00000	0.00000	1.6772	-0.18732	1.6628	-	-	-
		-21.00000	-59.00000	0.00000	2.2318	-0.24927	1.9896	-	-	-
		-20.00000	-59.00000	0.00000	2.7948	-0.31215	2.3838	-	-	-
		-19.00000	-59.00000	0.00000	3.3686	-0.37625	2.8493	-	-	-
		-18.00000	-59.00000	0.00000	3.9558	-0.44183	3.3798	-	-	-
		-17.00000	-59.00000	0.00000	4.5588	-0.50918	3.9597	-	-	-
		-16.00000	-59.00000	0.00000	5.1801	-0.57858	4.5635	-	-	-
		-15.00000	-59.00000	0.00000	5.8223	-0.65030	5.1562	-	-	-
		-14.00000	-59.00000	0.00000	6.4877	-0.72462	5.6929	-	-	-
		-13.00000	-59.00000	0.00000	7.1788	-0.80182	6.1192	-	-	-
		-12.00000	-59.00000	0.00000	7.8983	-0.88217	6.3709	-	-	-
		-11.00000	-59.00000	0.00000	8.6485	-0.96596	6.3744	-	-	-
		-10.00000	-59.00000	0.00000	9.4319	-1.0535	6.0459	-	-	-
		-9.00000	-59.00000	0.00000	Point lies within an excavation.					
		-8.00000	-59.00000	0.00000	Point lies within an excavation.					
		-7.00000	-59.00000	0.00000	Point lies within an excavation.					
		-6.00000	-59.00000	0.00000	-5.6071	-8.0531	5.8036	-	-	-
		-5.00000	-59.00000	0.00000	-5.3411	-7.6710	6.1329	-	-	-
		-4.00000	-59.00000	0.00000	-5.0817	-7.2985	6.3276	-	-	-
		-3.00000	-59.00000	0.00000	-4.8288	-6.9353	6.4055	-	-	-
		-2.00000	-59.00000	0.00000	-4.5821	-6.5809	6.3834	-	-	-
		-1.00000	-59.00000	0.00000	-4.3412	-6.2350	6.2767	-	-	-
		0.00000	-59.00000	0.00000	-4.1060	-5.8971	6.1002	-	-	-
		1.00000	-59.00000	0.00000	-3.8761	-5.5669	5.8674	-	-	-
		2.00000	-59.00000	0.00000	-3.6512	-5.2440	5.5908	-	-	-
		3.00000	-59.00000	0.00000	-3.4312	-4.9280	5.2818	-	-	-
		4.00000	-59.00000	0.00000	-3.2157	-4.6185	4.9508	-	-	-
		5.00000	-59.00000	0.00000	-3.0045	-4.3151	4.6070	-	-	-
		6.00000	-59.00000	0.00000	-2.7972	-4.0175	4.2587	-	-	-
		7.00000	-59.00000	0.00000	-2.5937	-3.7252	3.9132	-	-	-
		8.00000	-59.00000	0.00000	-2.3936	-3.4378	3.5766	-	-	-
		9.00000	-59.00000	0.00000	-2.1967	-3.1550	3.2538	-	-	-
		10.00000	-59.00000	0.00000	-2.0027	-2.8764	2.9491	-	-	-
		11.00000	-59.00000	0.00000	-1.8113	-2.6015	2.6652	-	-	-
		12.00000	-59.00000	0.00000	-1.6223	-2.3300	2.4042	-	-	-
		13.00000	-59.00000	0.00000	-1.4354	-2.0615	2.1669	-	-	-
		14.00000	-59.00000	0.00000	-1.2502	-1.7956	1.9530	-	-	-
		15.00000	-59.00000	0.00000	-1.0666	-1.5319	1.7614	-	-	-
		16.00000	-59.00000	0.00000	-0.88432	-1.2701	1.5896	-	-	-
		17.00000	-59.00000	0.00000	-0.70300	-1.0097	1.4344	-	-	-
		18.00000	-59.00000	0.00000	-0.52241	-0.75030	1.2912	-	-	-
		19.00000	-59.00000	0.00000	-0.34227	-0.49157	1.1545	-	-	-
		20.00000	-59.00000	0.00000	-0.17799	-0.25564	1.0179	-	-	-
		21.00000	-59.00000	0.00000	-0.055554	-0.079789	0.87368	-	-	-
		22.00000	-59.00000	0.00000	0.0	0.0	0.73757	-	-	-
		23.00000	-59.00000	0.00000	0.0	0.0	0.62329	-	-	-
		24.00000	-59.00000	0.00000	0.0	0.0	0.50901	-	-	-
		25.00000	-59.00000	0.00000	0.0	0.0	0.39473	-	-	-
		26.00000	-59.00000	0.00000	0.0	0.0	0.28045	-	-	-
		27.00000	-59.00000	0.00000	0.0	0.0	0.16617	-	-	-
		28.00000	-59.00000	0.00000	0.0	0.0	0.051886	-	-	-
		29.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		73.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-59.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-58.00000	0.00000	0.0	0.0	0.059923	-	-	-
		-28.00000	-58.00000	0.00000	0.0	0.0	0.25869	-	-	-
		-27.00000	-58.00000	0.00000	0.0	0.0	0.45745	-	-	-
		-26.00000	-58.00000	0.00000	0.0	0.0	0.65622	-	-	-
		-25.00000	-58.00000	0.00000	0.10245	-0.011443	0.87780	-	-	-
		-24.00000	-58.00000	0.00000	0.52223	-0.058329	1.1229	-	-	-
		-23.00000	-58.00000	0.00000	1.0674	-0.11922	1.3624	-	-	-
		-22.00000	-58.00000	0.00000	1.6156	-0.18045	1.6301	-	-	-
		-21.00000	-58.00000	0.00000	2.1695	-0.24231	1.9499	-	-	-
		-20.00000	-58.00000	0.00000	2.7314	-0.30507	2.3363	-	-	-
		-19.00000	-58.00000	0.00000	3.3039	-0.36902	2.7939	-	-	-
		-18.00000	-58.00000	0.00000	3.8895	-0.43442	3.3177	-	-	-
		-17.00000	-58.00000	0.00000	4.4906	-0.50156	3.8932	-	-	-
		-16.00000	-58.00000	0.00000	5.1098	-0.57072	4.4959	-	-	-
		-15.00000	-58.00000	0.00000	5.7494	-0.64216	5.0918	-	-	-
		-14.00000	-58.00000	0.00000	6.4121	-0.71618	5.6373	-	-	-
		-13.00000	-58.00000	0.00000	7.1003	-0.79304	6.0790	-	-	-
		-12.00000	-58.00000	0.00000	7.8164	-0.87303	6.3537	-	-	-
		-11.00000	-58.00000	0.00000	8.5631	-0.95642	6.3888	-	-	-
		-10.00000	-58.00000	0.00000	9.3427	-1.0435	6.1019	-	-	-
		-9.00000	-58.00000	0.00000	Point lies within an excavation.					
		-8.00000	-58.00000	0.00000	Point lies within an excavation.					
		-7.00000	-58.00000	0.00000	-5.4902	-7.8852	5.9650	-	-	-
		-6.00000	-58.00000	0.00000	-5.2271	-7.5073	6.2333	-	-	-
		-5.00000	-58.00000	0.00000	-4.9706	-7.1389	6.3750	-	-	-
		-4.00000	-58.00000	0.00000	-4.7204	-6.7796	6.4072	-	-	-
		-3.00000	-58.00000	0.00000	-4.4763	-6.4290	6.3463	-	-	-
		-2.00000	-58.00000	0.00000	-4.2379	-6.0866	6.2075	-	-	-
		-1.00000	-58.00000	0.00000	-4.0050	-5.7521	6.0049	-	-	-
		0.00000	-58.00000	0.00000	-3.7774	-5.4252	5.7515	-	-	-
		1.00000	-58.00000	0.00000	-3.5547	-5.1053	5.4594	-	-	-
		2.00000	-58.00000	0.00000	-3.3367	-4.7922	5.1395	-	-	-
		3.00000	-58.00000	0.00000	-3.1231	-4.4854	4.8019	-	-	-
		4.00000	-58.00000	0.00000	-2.9136	-4.1846	4.4552	-	-	-
		5.00000	-58.00000	0.00000	-2.7080	-3.8893	4.1073	-	-	-
		6.00000	-58.00000	0.00000	-2.5060	-3.5992	3.7649	-	-	-
		7.00000	-58.00000	0.00000	-2.3074	-3.3139	3.4338	-	-	-
		8.00000	-58.00000	0.00000	-2.1117	-3.0330	3.1185	-	-	-
		9.00000	-58.00000	0.00000	-1.9189	-2.7560	2.8225	-	-	-
		10.00000	-58.00000	0.00000	-1.7286	-2.4827	2.5485	-	-	-
		11.00000	-58.00000	0.00000	-1.5405	-2.2125	2.2978	-	-	-
		12.00000	-58.00000	0.00000	-1.3544	-1.9452	2.0708	-	-	-
		13.00000	-58.00000	0.00000	-1.1700	-1.6803	1.8668	-	-	-
		14.00000	-58.00000	0.00000	-0.98697	-1.4175	1.6842	-	-	-
		15.00000	-58.00000	0.00000	-0.80512	-1.1563	1.5201	-	-	-
		16.00000	-58.00000	0.00000	-0.62415	-0.89642	1.3707	-	-	-
		17.00000	-58.00000	0.00000	-0.44378	-0.63738	1.2311	-	-	-
		18.00000	-58.00000	0.00000	-0.26376	-0.37882	1.0953	-	-	-
		19.00000	-58.00000	0.00000	-0.12458	-0.17893	0.95641	-	-	-
		20.00000	-58.00000	0.00000	-0.0021428	-0.0030776	0.80622	-	-	-
		21.00000	-58.00000	0.00000	0.0	0.0	0.68772	-	-	-
		22.00000	-58.00000	0.00000	0.0	0.0	0.57344	-	-	-
		23.00000	-58.00000	0.00000	0.0	0.0	0.45916	-	-	-
		24.00000	-58.00000	0.00000	0.0	0.0	0.34488	-	-	-
		25.00000	-58.00000	0.00000	0.0	0.0	0.23060	-	-	-
		26.00000	-58.00000	0.00000	0.0	0.0	0.11631	-	-	-
		27.00000	-58.00000	0.00000	0.0	0.0	0.0020334	-	-	-
		28.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-

Oasys
3-6 Spring Place, London
Combined

GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)

Job No.	Sheet No.	Rev.
J16143		

Drg. Ref.

Made by	Date	Checked
JD	23-Aug-2016	

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		52.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-58.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-57.00000	0.00000	0.0	0.0	0.037723	-	-	-
		-28.00000	-57.00000	0.00000	0.0	0.0	0.23649	-	-	-
		-27.00000	-57.00000	0.00000	0.0	0.0	0.43525	-	-	-
		-26.00000	-57.00000	0.00000	0.0	0.0	0.63401	-	-	-
		-25.00000	-57.00000	0.00000	0.061081	-0.0068222	0.84827	-	-	-
		-24.00000	-57.00000	0.00000	0.46143	-0.051538	1.0965	-	-	-
		-23.00000	-57.00000	0.00000	1.0064	-0.11240	1.3348	-	-	-
		-22.00000	-57.00000	0.00000	1.5541	-0.17359	1.5979	-	-	-
		-21.00000	-57.00000	0.00000	2.1072	-0.23536	1.9110	-	-	-
		-20.00000	-57.00000	0.00000	2.6682	-0.29801	2.2896	-	-	-
		-19.00000	-57.00000	0.00000	3.2394	-0.36181	2.7393	-	-	-
		-18.00000	-57.00000	0.00000	3.8234	-0.42704	3.2563	-	-	-
		-17.00000	-57.00000	0.00000	4.4226	-0.49397	3.8270	-	-	-
		-16.00000	-57.00000	0.00000	5.0396	-0.56288	4.4282	-	-	-
		-15.00000	-57.00000	0.00000	5.6769	-0.63406	5.0269	-	-	-
		-14.00000	-57.00000	0.00000	6.3369	-0.70778	5.5805	-	-	-
		-13.00000	-57.00000	0.00000	7.0221	-0.78431	6.0367	-	-	-
		-12.00000	-57.00000	0.00000	7.7350	-0.86393	6.3335	-	-	-
		-11.00000	-57.00000	0.00000	3.8717	-0.46444	2.9251	-	-	-
		-10.00000	-57.00000	0.00000	3.9950	-1.0064	2.7260	-	-	-
		-9.00000	-57.00000	0.00000	-1.5748	-3.9631	2.4875	-	-	-
		-8.00000	-57.00000	0.00000	-5.3746	-7.7192	6.0988	-	-	-
		-7.00000	-57.00000	0.00000	-5.1144	-7.3455	6.3097	-	-	-
		-6.00000	-57.00000	0.00000	-4.8607	-6.9811	6.4015	-	-	-
		-5.00000	-57.00000	0.00000	-4.6132	-6.6256	6.3912	-	-	-
		-4.00000	-57.00000	0.00000	-4.3716	-6.2786	6.2945	-	-	-
		-3.00000	-57.00000	0.00000	-4.1357	-5.9397	6.1262	-	-	-
		-2.00000	-57.00000	0.00000	-3.9051	-5.6086	5.8998	-	-	-
		-1.00000	-57.00000	0.00000	-3.6796	-5.2848	5.6281	-	-	-
		0.00000	-57.00000	0.00000	-3.4590	-4.9679	5.3227	-	-	-
		1.00000	-57.00000	0.00000	-3.2430	-4.6576	4.9939	-	-	-
		2.00000	-57.00000	0.00000	-3.0312	-4.3535	4.6512	-	-	-
		3.00000	-57.00000	0.00000	-2.8235	-4.0551	4.3031	-	-	-
		4.00000	-57.00000	0.00000	-2.6195	-3.7622	3.9569	-	-	-
		5.00000	-57.00000	0.00000	-2.4190	-3.4742	3.6188	-	-	-
		6.00000	-57.00000	0.00000	-2.2217	-3.1908	3.2941	-	-	-
		7.00000	-57.00000	0.00000	-2.0273	-2.9117	2.9868	-	-	-
		8.00000	-57.00000	0.00000	-1.8356	-2.6363	2.7002	-	-	-
		9.00000	-57.00000	0.00000	-1.6463	-2.3644	2.4362	-	-	-
		10.00000	-57.00000	0.00000	-1.4591	-2.0956	2.1958	-	-	-
		11.00000	-57.00000	0.00000	-1.2737	-1.8294	1.9790	-	-	-
		12.00000	-57.00000	0.00000	-1.0900	-1.5655	1.7847	-	-	-
		13.00000	-57.00000	0.00000	-0.90751	-1.3034	1.6105	-	-	-
		14.00000	-57.00000	0.00000	-0.72608	-1.0428	1.4534	-	-	-
		15.00000	-57.00000	0.00000	-0.54541	-0.78333	1.3089	-	-	-
		16.00000	-57.00000	0.00000	-0.36523	-0.52455	1.1718	-	-	-
		17.00000	-57.00000	0.00000	-0.19361	-0.27807	1.0356	-	-	-
		18.00000	-57.00000	0.00000	-0.071170	-0.10222	0.89279	-	-	-
		19.00000	-57.00000	0.00000	0.0	0.0	0.75215	-	-	-
		20.00000	-57.00000	0.00000	0.0	0.0	0.63787	-	-	-
		21.00000	-57.00000	0.00000	0.0	0.0	0.52359	-	-	-
		22.00000	-57.00000	0.00000	0.0	0.0	0.40930	-	-	-
		23.00000	-57.00000	0.00000	0.0	0.0	0.29502	-	-	-
		24.00000	-57.00000	0.00000	0.0	0.0	0.18074	-	-	-
		25.00000	-57.00000	0.00000	0.0	0.0	0.066462	-	-	-
		26.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		31.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-57.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-56.00000	0.00000	0.0	0.0	0.015522	-	-	-
		-27.00000	-56.00000	0.00000	0.0	0.0	0.21429	-	-	-
		-26.00000	-56.00000	0.00000	0.0	0.0	0.41305	-	-	-
		-25.00000	-56.00000	0.00000	0.0	0.0	0.61181	-	-	-
		-24.00000	-56.00000	0.00000	0.019712	-0.0022017	0.81808	-	-	-
		-23.00000	-56.00000	0.00000	0.40063	-0.044747	1.0700	-	-	-
		-22.00000	-56.00000	0.00000	0.94541	-0.10559	1.3075	-	-	-
		-21.00000	-56.00000	0.00000	1.4927	-0.16673	1.5664	-	-	-
		-20.00000	-56.00000	0.00000	2.0451	-0.22842	1.8730	-	-	-
		-19.00000	-56.00000	0.00000	1.1927	-0.13437	1.0274	-	-	-
		-18.00000	-56.00000	0.00000	1.4476	-0.17954	1.2262	-	-	-
		-17.00000	-56.00000	0.00000	1.7037	-0.23503	1.4536	-	-	-
		-16.00000	-56.00000	0.00000	1.9603	-0.30461	1.7026	-	-	-
		-15.00000	-56.00000	0.00000	2.2150	-0.39401	1.9614	-	-	-
		-14.00000	-56.00000	0.00000	2.4630	-0.51228	2.2130	-	-	-
		-13.00000	-56.00000	0.00000	2.6942	-0.67451	2.4355	-	-	-
		-12.00000	-56.00000	0.00000	2.8858	-0.90729	2.6006	-	-	-
		-11.00000	-56.00000	0.00000	2.9819	-1.2598	2.6726	-	-	-
		-10.00000	-56.00000	0.00000	2.8232	-1.8176	2.6029	-	-	-
		-9.00000	-56.00000	0.00000	1.9207	-2.5969	2.3189	-	-	-
		-8.00000	-56.00000	0.00000	-0.26651	-3.5994	2.4938	-	-	-
		-7.00000	-56.00000	0.00000	-5.0030	-7.1854	6.3634	-	-	-
		-6.00000	-56.00000	0.00000	-4.7520	-6.8249	6.4086	-	-	-
		-5.00000	-56.00000	0.00000	-4.5071	-6.4732	6.3588	-	-	-
		-4.00000	-56.00000	0.00000	-4.2680	-6.1298	6.2290	-	-	-
		-3.00000	-56.00000	0.00000	-4.0344	-5.7944	6.0338	-	-	-
		-2.00000	-56.00000	0.00000	-3.8061	-5.4665	5.7862	-	-	-
		-1.00000	-56.00000	0.00000	-3.5828	-5.1457	5.4984	-	-	-
		0.00000	-56.00000	0.00000	-3.3642	-4.8318	5.1815	-	-	-
		1.00000	-56.00000	0.00000	-3.1501	-4.5242	4.8456	-	-	-
		2.00000	-56.00000	0.00000	-2.9401	-4.2227	4.4996	-	-	-
		3.00000	-56.00000	0.00000	-2.7340	-3.9267	4.1515	-	-	-
		4.00000	-56.00000	0.00000	-2.5316	-3.6360	3.8081	-	-	-
		5.00000	-56.00000	0.00000	-2.3325	-3.3500	3.4752	-	-	-
		6.00000	-56.00000	0.00000	-2.1365	-3.0686	3.1577	-	-	-
		7.00000	-56.00000	0.00000	-1.9434	-2.7911	2.8591	-	-	-
		8.00000	-56.00000	0.00000	-1.7527	-2.5173	2.5822	-	-	-
		9.00000	-56.00000	0.00000	-1.5644	-2.2468	2.3284	-	-	-
					-1.3780	-1.9792	2.0984	-	-	-

Oasys
3-6 Spring Place, London
Combined

GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)

Job No. J16143 | Sheet No. | Rev.
Drg. Ref.
Made by JD | Date 23-Aug-2016 | Checked

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		10.00000	-56.00000	0.00000	-1.1934	-1.7140	1.8916	-	-	-
		11.00000	-56.00000	0.00000	-1.0102	-1.4509	1.7064	-	-	-
		12.00000	-56.00000	0.00000	-0.82826	-1.1896	1.5401	-	-	-
		13.00000	-56.00000	0.00000	-0.64719	-0.92951	1.3891	-	-	-
		14.00000	-56.00000	0.00000	-0.46676	-0.67038	1.2486	-	-	-
		15.00000	-56.00000	0.00000	-0.28671	-0.41178	1.1127	-	-	-
		16.00000	-56.00000	0.00000	-0.14020	-0.20136	0.97457	-	-	-
		17.00000	-56.00000	0.00000	-0.017759	-0.025506	0.82630	-	-	-
		18.00000	-56.00000	0.00000	0.0	0.0	0.70229	-	-	-
		19.00000	-56.00000	0.00000	0.0	0.0	0.58801	-	-	-
		20.00000	-56.00000	0.00000	0.0	0.0	0.47373	-	-	-
		21.00000	-56.00000	0.00000	0.0	0.0	0.35945	-	-	-
		22.00000	-56.00000	0.00000	0.0	0.0	0.24517	-	-	-
		23.00000	-56.00000	0.00000	0.0	0.0	0.13089	-	-	-
		24.00000	-56.00000	0.00000	0.0	0.0	0.016609	-	-	-
		25.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-56.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-55.00000	0.00000	0.0	0.0	0.087815	-	-	-
		-27.00000	-55.00000	0.00000	0.0	0.0	0.17833	-	-	-
		-26.00000	-55.00000	0.00000	0.0	0.0	0.26843	-	-	-
		-25.00000	-55.00000	0.00000	0.0	0.0	0.35804	-	-	-
		-24.00000	-55.00000	0.00000	0.15574	-0.023285	0.47237	-	-	-
		-23.00000	-55.00000	0.00000	0.39383	-0.063114	0.57787	-	-	-
		-22.00000	-55.00000	0.00000	0.63476	-0.10960	0.69009	-	-	-
		-21.00000	-55.00000	0.00000	0.87389	-0.16356	0.82070	-	-	-
		-20.00000	-55.00000	0.00000	1.1110	-0.22701	0.97670	-	-	-
		-19.00000	-55.00000	0.00000	1.3454	-0.30264	1.1604	-	-	-
		-18.00000	-55.00000	0.00000	1.5752	-0.39412	1.3694	-	-	-
		-17.00000	-55.00000	0.00000	1.7972	-0.50650	1.5967	-	-	-
		-16.00000	-55.00000	0.00000	2.0053	-0.64694	1.8306	-	-	-
		-15.00000	-55.00000	0.00000	2.1886	-0.82558	2.0545	-	-	-
		-14.00000	-55.00000	0.00000	2.3271	-1.0567	2.2473	-	-	-
		-13.00000	-55.00000	0.00000	2.3829	-1.3588	2.3834	-	-	-
		-12.00000	-55.00000	0.00000	2.2818	-1.7484	2.4328	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		-11.00000	-55.00000	0.00000	1.8880	-2.2045	2.3646	-	-	-
		-10.00000	-55.00000	0.00000	1.0668	-2.6160	2.2155	-	-	-
		-9.00000	-55.00000	0.00000	-0.13340	-3.2677	2.5264	-	-	-
		-8.00000	-55.00000	0.00000	-1.5709	-3.2096	2.8191	-	-	-
		-7.00000	-55.00000	0.00000	-4.4021	-6.3224	6.3111	-	-	-
		-6.00000	-55.00000	0.00000	-4.1654	-5.9825	6.1511	-	-	-
		-5.00000	-55.00000	0.00000	-3.9342	-5.6504	5.9315	-	-	-
		-4.00000	-55.00000	0.00000	-3.7081	-5.3257	5.6649	-	-	-
		-3.00000	-55.00000	0.00000	-3.4869	-5.0080	5.3631	-	-	-
		-2.00000	-55.00000	0.00000	-3.2703	-4.6969	5.0368	-	-	-
		-1.00000	-55.00000	0.00000	-3.0580	-4.3920	4.6954	-	-	-
		0.00000	-55.00000	0.00000	-2.8497	-4.0929	4.3476	-	-	-
		1.00000	-55.00000	0.00000	-2.6453	-3.7993	4.0007	-	-	-
		2.00000	-55.00000	0.00000	-2.4444	-3.5107	3.6613	-	-	-
		3.00000	-55.00000	0.00000	-2.2467	-3.2267	3.3346	-	-	-
		4.00000	-55.00000	0.00000	-2.0519	-2.9471	3.0249	-	-	-
		5.00000	-55.00000	0.00000	-1.8599	-2.6713	2.7355	-	-	-
		6.00000	-55.00000	0.00000	-1.6703	-2.3989	2.4686	-	-	-
		7.00000	-55.00000	0.00000	-1.4829	-2.1297	2.2252	-	-	-
		8.00000	-55.00000	0.00000	-1.2973	-1.8632	2.0054	-	-	-
		9.00000	-55.00000	0.00000	-1.1133	-1.5990	1.8083	-	-	-
		10.00000	-55.00000	0.00000	-0.93072	-1.3367	1.6317	-	-	-
		11.00000	-55.00000	0.00000	-0.74917	-1.0760	1.4726	-	-	-
		12.00000	-55.00000	0.00000	-0.56842	-0.81638	1.3268	-	-	-
		13.00000	-55.00000	0.00000	-0.38819	-0.55753	1.1891	-	-	-
		14.00000	-55.00000	0.00000	-0.20922	-0.30049	1.0532	-	-	-
		15.00000	-55.00000	0.00000	-0.086786	-0.12464	0.91165	-	-	-
		16.00000	-55.00000	0.00000	0.0	0.0	0.76672	-	-	-
		17.00000	-55.00000	0.00000	0.0	0.0	0.65244	-	-	-
		18.00000	-55.00000	0.00000	0.0	0.0	0.53816	-	-	-
		19.00000	-55.00000	0.00000	0.0	0.0	0.42388	-	-	-
		20.00000	-55.00000	0.00000	0.0	0.0	0.30960	-	-	-
		21.00000	-55.00000	0.00000	0.0	0.0	0.19532	-	-	-
		22.00000	-55.00000	0.00000	0.0	0.0	0.081037	-	-	-
		23.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-55.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		-32.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-54.00000	0.00000	0.0	0.0	0.073802	-	-	-
		-27.00000	-54.00000	0.00000	0.0	0.0	0.16237	-	-	-
		-26.00000	-54.00000	0.00000	0.0	0.0	0.25031	-	-	-
		-25.00000	-54.00000	0.00000	0.0	0.0	0.33750	-	-	-
		-24.00000	-54.00000	0.00000	0.12198	-0.026419	0.44523	-	-	-
		-23.00000	-54.00000	0.00000	0.33583	-0.077963	0.54736	-	-	-
		-22.00000	-54.00000	0.00000	0.56405	-0.14109	0.65264	-	-	-
		-21.00000	-54.00000	0.00000	0.78773	-0.21359	0.77263	-	-	-
		-20.00000	-54.00000	0.00000	1.0059	-0.29773	0.91430	-	-	-
		-19.00000	-54.00000	0.00000	1.2166	-0.39645	1.0800	-	-	-
		-18.00000	-54.00000	0.00000	1.4167	-0.51346	1.2677	-	-	-
		-17.00000	-54.00000	0.00000	1.6007	-0.65351	1.4707	-	-	-
		-16.00000	-54.00000	0.00000	1.7599	-0.82252	1.6780	-	-	-
		-15.00000	-54.00000	0.00000	1.8802	-1.0274	1.8746	-	-	-
		-14.00000	-54.00000	0.00000	1.9383	-1.2750	2.0418	-	-	-
		-13.00000	-54.00000	0.00000	1.8974	-1.5674	2.1584	-	-	-
		-12.00000	-54.00000	0.00000	1.7030	-1.8904	2.2027	-	-	-
		-11.00000	-54.00000	0.00000	1.2932	-2.1874	2.1581	-	-	-
		-10.00000	-54.00000	0.00000	0.72565	-2.5777	2.2342	-	-	-
		-9.00000	-54.00000	0.00000	-0.083586	-2.9659	2.4595	-	-	-
		-8.00000	-54.00000	0.00000	-1.0131	-2.9983	2.6475	-	-	-
		-7.00000	-54.00000	0.00000	-1.7557	-2.7112	2.7532	-	-	-
		-6.00000	-54.00000	0.00000	-3.8350	-5.5079	5.8202	-	-	-
		-5.00000	-54.00000	0.00000	-3.6110	-5.1863	5.5369	-	-	-
		-4.00000	-54.00000	0.00000	-3.3918	-4.8715	5.2232	-	-	-
		-3.00000	-54.00000	0.00000	-3.1771	-4.5631	4.8892	-	-	-
		-2.00000	-54.00000	0.00000	-2.9667	-4.2608	4.5440	-	-	-
		-1.00000	-54.00000	0.00000	-2.7601	-3.9642	4.1958	-	-	-
		0.00000	-54.00000	0.00000	-2.5572	-3.6728	3.8514	-	-	-
		1.00000	-54.00000	0.00000	-2.3577	-3.3863	3.5169	-	-	-
		2.00000	-54.00000	0.00000	-2.1614	-3.1042	3.1972	-	-	-
		3.00000	-54.00000	0.00000	-1.9679	-2.8263	2.8960	-	-	-
		4.00000	-54.00000	0.00000	-1.7769	-2.5521	2.6162	-	-	-
		5.00000	-54.00000	0.00000	-1.5883	-2.2811	2.3595	-	-	-
		6.00000	-54.00000	0.00000	-1.4017	-2.0132	2.1264	-	-	-
		7.00000	-54.00000	0.00000	-1.2169	-1.7477	1.9167	-	-	-
		8.00000	-54.00000	0.00000	-1.0335	-1.4844	1.7289	-	-	-
		9.00000	-54.00000	0.00000	-0.85141	-1.2228	1.5604	-	-	-
		10.00000	-54.00000	0.00000	-0.67024	-0.96262	1.4077	-	-	-
		11.00000	-54.00000	0.00000	-0.48975	-0.70339	1.2661	-	-	-
		12.00000	-54.00000	0.00000	-0.30966	-0.44475	1.1300	-	-	-
		13.00000	-54.00000	0.00000	-0.15581	-0.22378	0.99258	-	-	-
		14.00000	-54.00000	0.00000	-0.033375	-0.047934	0.84608	-	-	-
		15.00000	-54.00000	0.00000	0.0	0.0	0.71687	-	-	-
		16.00000	-54.00000	0.00000	0.0	0.0	0.60259	-	-	-
		17.00000	-54.00000	0.00000	0.0	0.0	0.48831	-	-	-
		18.00000	-54.00000	0.00000	0.0	0.0	0.37403	-	-	-
		19.00000	-54.00000	0.00000	0.0	0.0	0.25975	-	-	-
		20.00000	-54.00000	0.00000	0.0	0.0	0.14547	-	-	-
		21.00000	-54.00000	0.00000	0.0	0.0	0.031184	-	-	-
		22.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		98.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-54.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-53.00000	0.00000	0.0	0.0	0.055622	-	-	-
		-27.00000	-53.00000	0.00000	0.0	0.0	0.14209	-	-	-
		-26.00000	-53.00000	0.00000	0.0	0.0	0.22770	-	-	-
		-25.00000	-53.00000	0.00000	0.0	0.0	0.31232	-	-	-
		-24.00000	-53.00000	0.00000	0.079716	-0.022612	0.41160	-	-	-
		-23.00000	-53.00000	0.00000	0.26453	-0.080430	0.51117	-	-	-
		-22.00000	-53.00000	0.00000	0.47899	-0.15692	0.60942	-	-	-
		-21.00000	-53.00000	0.00000	0.68614	-0.24366	0.71798	-	-	-
		-20.00000	-53.00000	0.00000	0.88432	-0.34282	0.84399	-	-	-
		-19.00000	-53.00000	0.00000	1.0708	-0.45700	0.99013	-	-	-
		-18.00000	-53.00000	0.00000	1.2413	-0.58925	1.1548	-	-	-
		-17.00000	-53.00000	0.00000	1.3895	-0.74297	1.3321	-	-	-
		-16.00000	-53.00000	0.00000	1.5056	-0.92155	1.5125	-	-	-
		-15.00000	-53.00000	0.00000	1.5753	-1.1275	1.6829	-	-	-
		-14.00000	-53.00000	0.00000	1.5786	-1.3599	1.8276	-	-	-
		-13.00000	-53.00000	0.00000	1.4884	-1.6102	1.9300	-	-	-
		-12.00000	-53.00000	0.00000	1.2752	-1.8539	1.9747	-	-	-
		-11.00000	-53.00000	0.00000	0.92260	-2.0438	1.9540	-	-	-
		-10.00000	-53.00000	0.00000	0.52083	-2.4231	2.1445	-	-	-
		-9.00000	-53.00000	0.00000	-0.057702	-2.6815	2.3148	-	-	-
		-8.00000	-53.00000	0.00000	-0.70437	-2.7303	2.4424	-	-	-
		-7.00000	-53.00000	0.00000	-1.2720	-2.5725	2.5043	-	-	-
		-6.00000	-53.00000	0.00000	-3.5148	-5.0481	5.4032	-	-	-
		-5.00000	-53.00000	0.00000	-3.2977	-4.7362	5.0794	-	-	-
		-4.00000	-53.00000	0.00000	-3.0848	-4.4305	4.7395	-	-	-
		-3.00000	-53.00000	0.00000	-2.8761	-4.1307	4.3920	-	-	-
		-2.00000	-53.00000	0.00000	-2.6712	-3.8364	4.0447	-	-	-
		-1.00000	-53.00000	0.00000	-2.4698	-3.5472	3.7040	-	-	-
		0.00000	-53.00000	0.00000	-2.2717	-3.2627	3.3754	-	-	-
		1.00000	-53.00000	0.00000	-2.0766	-2.9825	3.0633	-	-	-
		2.00000	-53.00000	0.00000	-1.8843	-2.7062	2.7712	-	-	-
		3.00000	-53.00000	0.00000	-1.6944	-2.4335	2.5013	-	-	-
		4.00000	-53.00000	0.00000	-1.5067	-2.1639	2.2549	-	-	-
		5.00000	-53.00000	0.00000	-1.3209	-1.8971	2.0321	-	-	-
		6.00000	-53.00000	0.00000	-1.1367	-1.6326	1.8322	-	-	-
		7.00000	-53.00000	0.00000	-0.95395	-1.3701	1.6532	-	-	-
		8.00000	-53.00000	0.00000	-0.77228	-1.1092	1.4921	-	-	-
		9.00000	-53.00000	0.00000	-0.59144	-0.84944	1.3449	-	-	-
		10.00000	-53.00000	0.00000	-0.41116	-0.59051	1.2064	-	-	-
		11.00000	-53.00000	0.00000	-0.23116	-0.33200	1.0706	-	-	-
		12.00000	-53.00000	0.00000	-0.10240	-0.14707	0.93029	-	-	-
		13.00000	-53.00000	0.00000	0.0	0.0	0.78130	-	-	-
		14.00000	-53.00000	0.00000	0.0	0.0	0.66702	-	-	-
		15.00000	-53.00000	0.00000	0.0	0.0	0.55274	-	-	-
		16.00000	-53.00000	0.00000	0.0	0.0	0.43846	-	-	-
		17.00000	-53.00000	0.00000	0.0	0.0	0.32417	-	-	-
		18.00000	-53.00000	0.00000	0.0	0.0	0.20989	-	-	-
		19.00000	-53.00000	0.00000	0.0	0.0	0.095613	-	-	-
		20.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		77.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-53.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-52.00000	0.00000	0.0	0.0	0.033571	-	-	-
		-27.00000	-52.00000	0.00000	0.0	0.0	0.11783	-	-	-
		-26.00000	-52.00000	0.00000	0.0	0.0	0.20101	-	-	-
		-25.00000	-52.00000	0.00000	0.0	0.0	0.28296	-	-	-
		-24.00000	-52.00000	0.00000	0.030710	-0.010771	0.37122	-	-	-
		-23.00000	-52.00000	0.00000	0.18312	-0.068842	0.46985	-	-	-
		-22.00000	-52.00000	0.00000	0.38364	-0.15540	0.56195	-	-	-
		-21.00000	-52.00000	0.00000	0.57434	-0.25218	0.65935	-	-	-
		-20.00000	-52.00000	0.00000	0.75313	-0.36100	0.76952	-	-	-
		-19.00000	-52.00000	0.00000	0.91683	-0.48381	0.89565	-	-	-
		-18.00000	-52.00000	0.00000	1.0608	-0.62262	1.0369	-	-	-
		-17.00000	-52.00000	0.00000	1.1785	-0.77915	1.1885	-	-	-
		-16.00000	-52.00000	0.00000	1.2608	-0.95426	1.3425	-	-	-
		-15.00000	-52.00000	0.00000	1.2958	-1.1467	1.4879	-	-	-
		-14.00000	-52.00000	0.00000	1.2684	-1.3511	1.6122	-	-	-
		-13.00000	-52.00000	0.00000	1.1624	-1.5549	1.7022	-	-	-
		-12.00000	-52.00000	0.00000	0.96519	-1.7350	1.7468	-	-	-
		-11.00000	-52.00000	0.00000	0.71250	-1.9516	1.8282	-	-	-
		-10.00000	-52.00000	0.00000	0.38712	-2.2269	1.9865	-	-	-
		-9.00000	-52.00000	0.00000	-0.041947	-2.4104	2.1174	-	-	-
		-8.00000	-52.00000	0.00000	-0.51267	-2.4571	2.2065	-	-	-
		-7.00000	-52.00000	0.00000	-0.94531	-2.3640	2.2406	-	-	-
		-6.00000	-52.00000	0.00000	-1.2806	-2.1665	2.2135	-	-	-
		-5.00000	-52.00000	0.00000	-2.9933	-4.2990	4.5884	-	-	-
		-4.00000	-52.00000	0.00000	-2.7862	-4.0017	4.2401	-	-	-
		-3.00000	-52.00000	0.00000	-2.5829	-3.7096	3.8949	-	-	-
		-2.00000	-52.00000	0.00000	-2.3830	-3.4225	3.5589	-	-	-
		-1.00000	-52.00000	0.00000	-2.1863	-3.1400	3.2370	-	-	-
		0.00000	-52.00000	0.00000	-1.9924	-2.8615	2.9333	-	-	-
		1.00000	-52.00000	0.00000	-1.8011	-2.5868	2.6506	-	-	-
		2.00000	-52.00000	0.00000	-1.6122	-2.3155	2.3909	-	-	-
		3.00000	-52.00000	0.00000	-1.4254	-2.0472	2.1548	-	-	-
		4.00000	-52.00000	0.00000	-1.2403	-1.7814	1.9422	-	-	-
		5.00000	-52.00000	0.00000	-1.0568	-1.5179	1.7517	-	-	-
		6.00000	-52.00000	0.00000	-0.87458	-1.2561	1.5809	-	-	-
		7.00000	-52.00000	0.00000	-0.69330	-0.99574	1.4264	-	-	-
		8.00000	-52.00000	0.00000	-0.51274	-0.73641	1.2837	-	-	-
		9.00000	-52.00000	0.00000	-0.33262	-0.47772	1.1473	-	-	-
		10.00000	-52.00000	0.00000	-0.17143	-0.24621	1.0104	-	-	-
		11.00000	-52.00000	0.00000	-0.048991	-0.070362	0.86557	-	-	-
		12.00000	-52.00000	0.00000	0.0	0.0	0.73145	-	-	-
		13.00000	-52.00000	0.00000	0.0	0.0	0.61716	-	-	-
		14.00000	-52.00000	0.00000	0.0	0.0	0.50288	-	-	-
		15.00000	-52.00000	0.00000	0.0	0.0	0.38860	-	-	-
		16.00000	-52.00000	0.00000	0.0	0.0	0.27432	-	-	-
		17.00000	-52.00000	0.00000	0.0	0.0	0.16004	-	-	-
		18.00000	-52.00000	0.00000	0.0	0.0	0.045760	-	-	-
		19.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-

Oasys

GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)

3-6 Spring Place, London
Combined

Job No.	Sheet No.	Rev.
J16143		

Drg. Ref.

Made by	Date	Checked
JD	23-Aug-2016	

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		56.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-52.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-

Oasys

GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)

3-6 Spring Place, London
Combined

Job No.	Sheet No.	Rev.
J16143		

Drg. Ref.

Made by	Date	Checked
JD	23-Aug-2016	

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		35.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-51.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-50.00000	0.00000	0.0	0.0	0.058727	-	-	-
		-26.00000	-50.00000	0.00000	0.0	0.0	0.13693	-	-	-
		-25.00000	-50.00000	0.00000	0.0	0.0	0.21345	-	-	-
		-24.00000	-50.00000	0.00000	0.0	0.0	0.28804	-	-	-
		-23.00000	-50.00000	0.00000	0.044999	-0.023387	0.37115	-	-	-
		-22.00000	-50.00000	0.00000	0.17670	-0.098952	0.45763	-	-	-
		-21.00000	-50.00000	0.00000	0.33819	-0.20529	0.53784	-	-	-
		-20.00000	-50.00000	0.00000	0.48403	-0.32075	0.62036	-	-	-
		-19.00000	-50.00000	0.00000	0.61116	-0.44587	0.70992	-	-	-
		-18.00000	-50.00000	0.00000	0.71560	-0.58066	0.80767	-	-	-
		-17.00000	-50.00000	0.00000	0.79240	-0.72427	0.91157	-	-	-
		-16.00000	-50.00000	0.00000	0.83574	-0.87445	1.0169	-	-	-
		-15.00000	-50.00000	0.00000	0.83935	-1.0268	1.1169	-	-	-
		-14.00000	-50.00000	0.00000	0.79740	-1.1743	1.2038	-	-	-
		-13.00000	-50.00000	0.00000	0.70628	-1.3061	1.2698	-	-	-
		-12.00000	-50.00000	0.00000	0.58332	-1.4496	1.3459	-	-	-
		-11.00000	-50.00000	0.00000	0.43305	-1.6399	1.4686	-	-	-
		-10.00000	-50.00000	0.00000	0.22597	-1.7971	1.5730	-	-	-
		-9.00000	-50.00000	0.00000	-0.023912	-1.8996	1.6512	-	-	-
		-8.00000	-50.00000	0.00000	-0.29158	-1.9320	1.6962	-	-	-
		-7.00000	-50.00000	0.00000	-0.54703	-1.8912	1.7033	-	-	-
		-6.00000	-50.00000	0.00000	-0.76365	-1.7860	1.6711	-	-	-
		-5.00000	-50.00000	0.00000	-0.92417	-1.6331	1.6022	-	-	-
		-4.00000	-50.00000	0.00000	-2.2112	-3.1758	3.2771	-	-	-
		-3.00000	-50.00000	0.00000	-2.0170	-2.8968	2.9709	-	-	-
		-2.00000	-50.00000	0.00000	-1.8254	-2.6217	2.6854	-	-	-
		-1.00000	-50.00000	0.00000	-1.6362	-2.3500	2.4227	-	-	-
		0.00000	-50.00000	0.00000	-1.4491	-2.0813	2.1836	-	-	-
		1.00000	-50.00000	0.00000	-1.2639	-1.8152	1.9681	-	-	-
		2.00000	-50.00000	0.00000	-1.0802	-1.5514	1.7748	-	-	-
		3.00000	-50.00000	0.00000	-0.89776	-1.2894	1.6017	-	-	-
		4.00000	-50.00000	0.00000	-0.71638	-1.0289	1.4454	-	-	-
		5.00000	-50.00000	0.00000	-0.53574	-0.76945	1.3014	-	-	-
		6.00000	-50.00000	0.00000	-0.35558	-0.51069	1.1645	-	-	-
		7.00000	-50.00000	0.00000	-0.18705	-0.26864	1.0282	-	-	-
		8.00000	-50.00000	0.00000	-0.064607	-0.092790	0.88479	-	-	-
		9.00000	-50.00000	0.00000	0.0	0.0	0.74602	-	-	-
		10.00000	-50.00000	0.00000	0.0	0.0	0.63174	-	-	-
		11.00000	-50.00000	0.00000	0.0	0.0	0.51746	-	-	-
		12.00000	-50.00000	0.00000	0.0	0.0	0.40318	-	-	-
		13.00000	-50.00000	0.00000	0.0	0.0	0.28890	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		14.00000	-50.00000	0.00000	0.0	0.0	0.17462	-	-	-
		15.00000	-50.00000	0.00000	0.0	0.0	0.060335	-	-	-
		16.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-50.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-49.00000	0.00000	0.0	0.0	0.024558	-	-	-
		-26.00000	-49.00000	0.00000	0.0	0.0	0.10028	-	-	-
		-25.00000	-49.00000	0.00000	0.0	0.0	0.17415	-	-	-
		-24.00000	-49.00000	0.00000	0.0	0.0	0.24588	-	-	-
		-23.00000	-49.00000	0.00000	0.0	0.0	0.31516	-	-	-
		-22.00000	-49.00000	0.00000	0.088901	-0.056671	0.40011	-	-	-
		-21.00000	-49.00000	0.00000	0.22073	-0.15252	0.47644	-	-	-
		-20.00000	-49.00000	0.00000	0.35394	-0.26699	0.54936	-	-	-
		-19.00000	-49.00000	0.00000	0.46801	-0.38866	0.62449	-	-	-
		-18.00000	-49.00000	0.00000	0.55963	-0.51692	0.70414	-	-	-
		-17.00000	-49.00000	0.00000	0.62494	-0.65023	0.78766	-	-	-
		-16.00000	-49.00000	0.00000	0.65977	-0.78582	0.87194	-	-	-
		-15.00000	-49.00000	0.00000	0.66008	-0.91924	0.95209	-	-	-
		-14.00000	-49.00000	0.00000	0.62284	-1.0441	1.0222	-	-	-
		-13.00000	-49.00000	0.00000	0.54720	-1.1519	1.0764	-	-	-
		-12.00000	-49.00000	0.00000	0.46128	-1.3049	1.1739	-	-	-
		-11.00000	-49.00000	0.00000	0.33787	-1.4564	1.2737	-	-	-
		-10.00000	-49.00000	0.00000	0.17437	-1.5785	1.3567	-	-	-
		-9.00000	-49.00000	0.00000	-0.018325	-1.6571	1.4169	-	-	-
		-8.00000	-49.00000	0.00000	-0.22306	-1.6824	1.4493	-	-	-

Oasys
3-6 Spring Place, London
Combined

GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)

Job No. J16143 | Sheet No. | Rev.
Drg. Ref.
Made by JD | Date 23-Aug-2016 | Checked

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		-7.00000	-49.00000	0.00000	-0.41974	-1.6519	1.4509	-	-	-
		-6.00000	-49.00000	0.00000	-0.58982	-1.5702	1.4215	-	-	-
		-5.00000	-49.00000	0.00000	-0.71976	-1.4478	1.3635	-	-	-
		-4.00000	-49.00000	0.00000	-0.80240	-1.2970	1.2819	-	-	-
		-3.00000	-49.00000	0.00000	-1.7426	-2.5028	2.5680	-	-	-
		-2.00000	-49.00000	0.00000	-1.5543	-2.2324	2.3155	-	-	-
		-1.00000	-49.00000	0.00000	-1.3681	-1.9649	2.0867	-	-	-
		0.00000	-49.00000	0.00000	-1.1836	-1.6999	1.8811	-	-	-
		1.00000	-49.00000	0.00000	-1.0005	-1.4369	1.6970	-	-	-
		2.00000	-49.00000	0.00000	-0.81853	-1.1756	1.5317	-	-	-
		3.00000	-49.00000	0.00000	-0.63750	-0.91560	1.3813	-	-	-
		4.00000	-49.00000	0.00000	-0.45710	-0.65651	1.2412	-	-	-
		5.00000	-49.00000	0.00000	-0.27706	-0.39793	1.1054	-	-	-
		6.00000	-49.00000	0.00000	-0.13363	-0.19193	0.96696	-	-	-
		7.00000	-49.00000	0.00000	-0.011195	-0.016079	0.81790	-	-	-
		8.00000	-49.00000	0.00000	0.0	0.0	0.69617	-	-	-
		9.00000	-49.00000	0.00000	0.0	0.0	0.58189	-	-	-
		10.00000	-49.00000	0.00000	0.0	0.0	0.46761	-	-	-
		11.00000	-49.00000	0.00000	0.0	0.0	0.35333	-	-	-
		12.00000	-49.00000	0.00000	0.0	0.0	0.23904	-	-	-
		13.00000	-49.00000	0.00000	0.0	0.0	0.12476	-	-	-
		14.00000	-49.00000	0.00000	0.0	0.0	0.010483	-	-	-
		15.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-49.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		-28.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-48.00000	0.00000	0.0	0.0	0.061022	-	-	-
		-25.00000	-48.00000	0.00000	0.0	0.0	0.13231	-	-	-
		-24.00000	-48.00000	0.00000	0.0	0.0	0.20131	-	-	-
		-23.00000	-48.00000	0.00000	0.0	0.0	0.26770	-	-	-
		-22.00000	-48.00000	0.00000	0.016048	-0.011473	0.33642	-	-	-
		-21.00000	-48.00000	0.00000	0.10969	-0.085006	0.41339	-	-	-
		-20.00000	-48.00000	0.00000	0.22998	-0.19456	0.48084	-	-	-
		-19.00000	-48.00000	0.00000	0.33425	-0.31132	0.54542	-	-	-
		-18.00000	-48.00000	0.00000	0.41699	-0.43197	0.61059	-	-	-
		-17.00000	-48.00000	0.00000	0.47535	-0.55468	0.67706	-	-	-
		-16.00000	-48.00000	0.00000	0.50651	-0.67659	0.74329	-	-	-
		-15.00000	-48.00000	0.00000	0.50810	-0.79358	0.80605	-	-	-
		-14.00000	-48.00000	0.00000	0.47886	-0.90027	0.86114	-	-	-
		-13.00000	-48.00000	0.00000	0.42637	-1.0066	0.91914	-	-	-
		-12.00000	-48.00000	0.00000	0.36048	-1.1436	1.0079	-	-	-
		-11.00000	-48.00000	0.00000	0.26171	-1.2652	1.0874	-	-	-
		-10.00000	-48.00000	0.00000	0.13406	-1.3611	1.1524	-	-	-
		-9.00000	-48.00000	0.00000	-0.014018	-1.4217	1.1985	-	-	-
		-8.00000	-48.00000	0.00000	-0.17030	-1.4406	1.2221	-	-	-
		-7.00000	-48.00000	0.00000	-0.32076	-1.4157	1.2213	-	-	-
		-6.00000	-48.00000	0.00000	-0.45207	-1.3498	1.1963	-	-	-
		-5.00000	-48.00000	0.00000	-0.55376	-1.2492	1.1493	-	-	-
		-4.00000	-48.00000	0.00000	-0.61926	-1.1226	1.0844	-	-	-
		-3.00000	-48.00000	0.00000	-0.64586	-0.97859	1.0067	-	-	-
		-2.00000	-48.00000	0.00000	-1.2874	-1.8490	1.9943	-	-	-
		-1.00000	-48.00000	0.00000	-1.1035	-1.5849	1.7983	-	-	-
		0.00000	-48.00000	0.00000	-0.92096	-1.3227	1.6228	-	-	-
		1.00000	-48.00000	0.00000	-0.73947	-1.0620	1.4645	-	-	-
		2.00000	-48.00000	0.00000	-0.55875	-0.80249	1.3193	-	-	-
		3.00000	-48.00000	0.00000	-0.37854	-0.54367	1.1818	-	-	-
		4.00000	-48.00000	0.00000	-0.20266	-0.29107	1.0458	-	-	-
		5.00000	-48.00000	0.00000	-0.080222	-0.11522	0.90375	-	-	-
		6.00000	-48.00000	0.00000	0.0	0.0	0.76060	-	-	-
		7.00000	-48.00000	0.00000	0.0	0.0	0.64632	-	-	-
		8.00000	-48.00000	0.00000	0.0	0.0	0.53203	-	-	-
		9.00000	-48.00000	0.00000	0.0	0.0	0.41775	-	-	-
		10.00000	-48.00000	0.00000	0.0	0.0	0.30347	-	-	-
		11.00000	-48.00000	0.00000	0.0	0.0	0.18919	-	-	-
		12.00000	-48.00000	0.00000	0.0	0.0	0.074911	-	-	-
		13.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-48.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		-49.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-47.00000	0.00000	0.0	0.0	0.019465	-	-	-
		-25.00000	-47.00000	0.00000	0.0	0.0	0.088269	-	-	-
		-24.00000	-47.00000	0.00000	0.0	0.0	0.15467	-	-	-
		-23.00000	-47.00000	0.00000	0.0	0.0	0.21836	-	-	-
		-22.00000	-47.00000	0.00000	0.0	0.0	0.27898	-	-	-
		-21.00000	-47.00000	0.00000	0.033465	-0.028744	0.34569	-	-	-
		-20.00000	-47.00000	0.00000	0.11327	-0.10621	0.41275	-	-	-
		-19.00000	-47.00000	0.00000	0.21060	-0.21740	0.47150	-	-	-
		-18.00000	-47.00000	0.00000	0.28767	-0.33029	0.52658	-	-	-
		-17.00000	-47.00000	0.00000	0.34251	-0.44298	0.58005	-	-	-
		-16.00000	-47.00000	0.00000	0.37335	-0.55276	0.63181	-	-	-
		-15.00000	-47.00000	0.00000	0.37898	-0.65604	0.68015	-	-	-
		-14.00000	-47.00000	0.00000	0.35920	-0.74847	0.72237	-	-	-
		-13.00000	-47.00000	0.00000	0.32817	-0.85874	0.78616	-	-	-
		-12.00000	-47.00000	0.00000	0.27637	-0.97179	0.85624	-	-	-
		-11.00000	-47.00000	0.00000	0.19967	-1.0699	0.91841	-	-	-
		-10.00000	-47.00000	0.00000	0.10180	-1.1456	0.96879	-	-	-
		-9.00000	-47.00000	0.00000	-0.010607	-1.1923	1.0040	-	-	-
		-8.00000	-47.00000	0.00000	-0.12857	-1.2055	1.0214	-	-	-
		-7.00000	-47.00000	0.00000	-0.24195	-1.1836	1.0200	-	-	-
		-6.00000	-47.00000	0.00000	-0.34093	-1.1282	1.0001	-	-	-
		-5.00000	-47.00000	0.00000	-0.41735	-1.0435	0.96343	-	-	-
		-4.00000	-47.00000	0.00000	-0.46555	-0.93539	0.91319	-	-	-
		-3.00000	-47.00000	0.00000	-0.48245	-0.81020	0.85313	-	-	-
		-2.00000	-47.00000	0.00000	-0.46727	-0.67405	0.78711	-	-	-
		-1.00000	-47.00000	0.00000	-0.84168	-1.2088	1.5518	-	-	-
		0.00000	-47.00000	0.00000	-0.66055	-0.94870	1.3998	-	-	-
		1.00000	-47.00000	0.00000	-0.48009	-0.68952	1.2587	-	-	-
		2.00000	-47.00000	0.00000	-0.30001	-0.43089	1.1227	-	-	-
		3.00000	-47.00000	0.00000	-0.14925	-0.21436	0.98503	-	-	-
		4.00000	-47.00000	0.00000	-0.026811	-0.038507	0.83781	-	-	-
		5.00000	-47.00000	0.00000	0.0	0.0	0.71074	-	-	-
		6.00000	-47.00000	0.00000	0.0	0.0	0.59646	-	-	-
		7.00000	-47.00000	0.00000	0.0	0.0	0.48218	-	-	-
		8.00000	-47.00000	0.00000	0.0	0.0	0.36790	-	-	-
		9.00000	-47.00000	0.00000	0.0	0.0	0.25362	-	-	-
		10.00000	-47.00000	0.00000	0.0	0.0	0.13934	-	-	-
		11.00000	-47.00000	0.00000	0.0	0.0	0.025058	-	-	-
		12.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		81.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-47.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-46.00000	0.00000	0.0	0.0	0.042334	-	-	-
		-25.00000	-46.00000	0.00000	0.0	0.0	0.10628	-	-	-
		-24.00000	-46.00000	0.00000	0.0	0.0	0.16745	-	-	-
		-23.00000	-46.00000	0.00000	0.0	0.0	0.22549	-	-	-
		-22.00000	-46.00000	0.00000	0.0	0.0	0.28005	-	-	-
		-21.00000	-46.00000	0.00000	0.0	0.0	0.28005	-	-	-
		-20.00000	-46.00000	0.00000	0.034256	-0.035261	0.34102	-	-	-
		-19.00000	-46.00000	0.00000	0.096986	-0.10991	0.39946	-	-	-
		-18.00000	-46.00000	0.00000	0.17093	-0.21544	0.44958	-	-	-
		-17.00000	-46.00000	0.00000	0.22477	-0.31913	0.49471	-	-	-
		-16.00000	-46.00000	0.00000	0.25752	-0.41853	0.53613	-	-	-
		-15.00000	-46.00000	0.00000	0.26872	-0.51065	0.57353	-	-	-
		-14.00000	-46.00000	0.00000	0.26112	-0.59730	0.61099	-	-	-
		-13.00000	-46.00000	0.00000	0.24348	-0.69942	0.66914	-	-	-
		-12.00000	-46.00000	0.00000	0.20540	-0.79286	0.72367	-	-	-
		-11.00000	-46.00000	0.00000	0.14828	-0.87223	0.77169	-	-	-
		-10.00000	-46.00000	0.00000	0.075454	-0.93210	0.81033	-	-	-
		-9.00000	-46.00000	0.00000	-0.0078426	-0.96774	0.83713	-	-	-
		-8.00000	-46.00000	0.00000	-0.094821	-0.97593	0.85035	-	-	-
		-7.00000	-46.00000	0.00000	-0.17792	-0.95545	0.84923	-	-	-
		-6.00000	-46.00000	0.00000	-0.24973	-0.90722	0.83412	-	-	-
		-5.00000	-46.00000	0.00000	-0.30387	-0.83405	0.80641	-	-	-
		-4.00000	-46.00000	0.00000	-0.33552	-0.74003	0.76827	-	-	-
		-3.00000	-46.00000	0.00000	-0.34166	-0.62987	0.72220	-	-	-
		-2.00000	-46.00000	0.00000	-0.32097	-0.50827	0.67052	-	-	-
		-1.00000	-46.00000	0.00000	-0.58176	-0.83554	1.3373	-	-	-
		0.00000	-46.00000	0.00000	-0.40150	-0.57665	1.1991	-	-	-
		1.00000	-46.00000	0.00000	-0.22151	-0.31815	1.0633	-	-	-
		2.00000	-46.00000	0.00000	-0.095838	-0.13765	0.92248	-	-	-
		3.00000	-46.00000	0.00000	0.0	0.0	0.77517	-	-	-
		4.00000	-46.00000	0.00000	0.0	0.0	0.66089	-	-	-
		5.00000	-46.00000	0.00000	0.0	0.0	0.54661	-	-	-
		6.00000	-46.00000	0.00000	0.0	0.0	0.43233	-	-	-
		7.00000	-46.00000	0.00000	0.0	0.0	0.31805	-	-	-
		8.00000	-46.00000	0.00000	0.0	0.0	0.20377	-	-	-
		9.00000	-46.00000	0.00000	0.0	0.0	0.089486	-	-	-
		10.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		60.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-46.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-45.00000	0.00000	0.0	0.0	0.056415	-	-	-
		-23.00000	-45.00000	0.00000	0.0	0.0	0.11524	-	-	-
		-22.00000	-45.00000	0.00000	0.0	0.0	0.17093	-	-	-
		-21.00000	-45.00000	0.00000	0.0	0.0	0.22315	-	-	-
		-20.00000	-45.00000	0.00000	0.0	0.0	0.27153	-	-	-
		-19.00000	-45.00000	0.00000	0.022772	-0.028104	0.32381	-	-	-
		-18.00000	-45.00000	0.00000	0.070061	-0.096170	0.37474	-	-	-
		-17.00000	-45.00000	0.00000	0.12029	-0.18599	0.41679	-	-	-
		-16.00000	-45.00000	0.00000	0.15636	-0.27675	0.45254	-	-	-
		-15.00000	-45.00000	0.00000	0.17391	-0.35992	0.48298	-	-	-
		-14.00000	-45.00000	0.00000	0.17881	-0.44544	0.52288	-	-	-
		-13.00000	-45.00000	0.00000	0.16994	-0.53164	0.56870	-	-	-
		-12.00000	-45.00000	0.00000	0.14485	-0.60894	0.61109	-	-	-
		-11.00000	-45.00000	0.00000	0.10509	-0.67321	0.64807	-	-	-
		-10.00000	-45.00000	0.00000	0.053548	-0.72040	0.67766	-	-	-
		-9.00000	-45.00000	0.00000	-0.0055591	-0.74706	0.69816	-	-	-
		-8.00000	-45.00000	0.00000	-0.066985	-0.75083	0.70836	-	-	-
		-7.00000	-45.00000	0.00000	-0.12495	-0.73074	0.70776	-	-	-
		-6.00000	-45.00000	0.00000	-0.17374	-0.68735	0.69658	-	-	-
		-5.00000	-45.00000	0.00000	-0.20827	-0.62257	0.67570	-	-	-
		-4.00000	-45.00000	0.00000	-0.22452	-0.53931	0.64640	-	-	-
		-3.00000	-45.00000	0.00000	-0.21967	-0.44104	0.61002	-	-	-
		-2.00000	-45.00000	0.00000	-0.19216	-0.33140	0.56746	-	-	-
		-1.00000	-45.00000	0.00000	-0.14144	-0.21378	0.51866	-	-	-
		0.00000	-45.00000	0.00000	-0.16487	-0.23679	1.0029	-	-	-
		1.00000	-45.00000	0.00000	-0.042427	-0.060935	0.85741	-	-	-
		2.00000	-45.00000	0.00000	0.0	0.0	0.72532	-	-	-
		3.00000	-45.00000	0.00000	0.0	0.0	0.61104	-	-	-
		4.00000	-45.00000	0.00000	0.0	0.0	0.49676	-	-	-
		5.00000	-45.00000	0.00000	0.0	0.0	0.38248	-	-	-
		6.00000	-45.00000	0.00000	0.0	0.0	0.26820	-	-	-
		7.00000	-45.00000	0.00000	0.0	0.0	0.15391	-	-	-
		8.00000	-45.00000	0.00000	0.0	0.0	0.039634	-	-	-
		9.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		39.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-45.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-44.00000	0.00000	0.0	0.0	0.0052894	-	-	-
		-22.00000	-44.00000	0.00000	0.0	0.0	0.061956	-	-	-
		-21.00000	-44.00000	0.00000	0.0	0.0	0.11550	-	-	-
		-20.00000	-44.00000	0.00000	0.0	0.0	0.16561	-	-	-
		-19.00000	-44.00000	0.00000	0.0	0.0	0.21197	-	-	-
		-18.00000	-44.00000	0.00000	0.0	0.0	0.25426	-	-	-
		-17.00000	-44.00000	0.00000	0.0038375	-0.0056984	0.29477	-	-	-
		-16.00000	-44.00000	0.00000	0.040049	-0.066989	0.33957	-	-	-
		-15.00000	-44.00000	0.00000	0.067510	-0.12926	0.37482	-	-	-
		-14.00000	-44.00000	0.00000	0.092063	-0.20611	0.40422	-	-	-
		-13.00000	-44.00000	0.00000	0.10559	-0.28456	0.44442	-	-	-
		-12.00000	-44.00000	0.00000	0.10557	-0.35727	0.48179	-	-	-
		-11.00000	-44.00000	0.00000	0.092618	-0.42119	0.51552	-	-	-
		-10.00000	-44.00000	0.00000	0.068273	-0.47312	0.54449	-	-	-
		-9.00000	-44.00000	0.00000	0.035042	-0.50998	0.56746	-	-	-
		-8.00000	-44.00000	0.00000	-0.0036404	-0.52922	0.58330	-	-	-
		-7.00000	-44.00000	0.00000	-0.043631	-0.52905	0.59119	-	-	-
		-6.00000	-44.00000	0.00000	-0.080409	-0.50872	0.59075	-	-	-
		-5.00000	-44.00000	0.00000	-0.10948	-0.46856	0.58199	-	-	-
		-4.00000	-44.00000	0.00000	-0.12675	-0.40987	0.56525	-	-	-
		-3.00000	-44.00000	0.00000	-0.12884	-0.33478	0.54097	-	-	-
		-2.00000	-44.00000	0.00000	-0.11320	-0.24586	0.50939	-	-	-
		-1.00000	-44.00000	0.00000	-0.078071	-0.14565	0.47010	-	-	-
		0.00000	-44.00000	0.00000	-0.043527	-0.071168	0.42160	-	-	-
		1.00000	-44.00000	0.00000	0.0	0.0	0.36115	-	-	-
		2.00000	-44.00000	0.00000	0.0	0.0	0.56119	-	-	-
		3.00000	-44.00000	0.00000	0.0	0.0	0.44690	-	-	-
		4.00000	-44.00000	0.00000	0.0	0.0	0.33262	-	-	-
		5.00000	-44.00000	0.00000	0.0	0.0	0.21834	-	-	-
		6.00000	-44.00000	0.00000	0.0	0.0	0.10406	-	-	-
		7.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-

Oasys
3-6 Spring Place, London
Combined

GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)

Job No. J16143 | Sheet No. | Rev.
Drg. Ref.
Made by JD | Date 23-Aug-2016 | Checked

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		18.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-44.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-43.00000	0.00000	0.0	0.0	0.0077825	-	-	-
		-22.00000	-43.00000	0.00000	0.0	0.0	0.059369	-	-	-
		-21.00000	-43.00000	0.00000	0.0	0.0	0.10759	-	-	-
		-20.00000	-43.00000	0.00000	0.0	0.0	0.15217	-	-	-
		-19.00000	-43.00000	0.00000	0.0	0.0	0.19281	-	-	-
		-18.00000	-43.00000	0.00000	0.0	0.0	0.22924	-	-	-
		-17.00000	-43.00000	0.00000	0.0	0.0	0.26118	-	-	-
		-16.00000	-43.00000	0.00000	0.010296	-0.021205	0.29416	-	-	-
		-15.00000	-43.00000	0.00000	0.029450	-0.070917	0.33134	-	-	-
		-14.00000	-43.00000	0.00000	0.040847	-0.11840	0.36862	-	-	-
		-13.00000	-43.00000	0.00000	0.048739	-0.17741	0.40157	-	-	-
		-12.00000	-43.00000	0.00000	0.047054	-0.23016	0.43018	-	-	-
		-11.00000	-43.00000	0.00000	0.036474	-0.27187	0.45403	-	-	-
		-10.00000	-43.00000	0.00000	0.019178	-0.30020	0.47250	-	-	-
		-9.00000	-43.00000	0.00000	-0.0020030	-0.31319	0.48493	-	-	-
		-8.00000	-43.00000	0.00000	-0.023731	-0.30950	0.49077	-	-	-
		-7.00000	-43.00000	0.00000	-0.042398	-0.28851	0.48963	-	-	-
		-6.00000	-43.00000	0.00000	-0.054398	-0.25041	0.48126	-	-	-
		-5.00000	-43.00000	0.00000	-0.056391	-0.19613	0.46546	-	-	-
		-4.00000	-43.00000	0.00000	-0.048026	-0.13423	0.44186	-	-	-

Oasys

GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)

3-6 Spring Place, London
Combined

Job No.	Sheet No.	Rev.
J16143		
Drg. Ref.		
Made by JD	**Date** 23-Aug-2016	**Checked**

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		-3.00000	-43.00000	0.00000	-0.033526	-0.078320	0.40966	-	-	-
		-2.00000	-43.00000	0.00000	-0.0075336	-0.015117	0.36722	-	-	-
		-1.00000	-43.00000	0.00000	0.0	0.0	0.32521	-	-	-
		0.00000	-43.00000	0.00000	0.0	0.0	0.28255	-	-	-
		1.00000	-43.00000	0.00000	0.0	0.0	0.51133	-	-	-
		2.00000	-43.00000	0.00000	0.0	0.0	0.39705	-	-	-
		3.00000	-43.00000	0.00000	0.0	0.0	0.28277	-	-	-
		4.00000	-43.00000	0.00000	0.0	0.0	0.16849	-	-	-
		5.00000	-43.00000	0.00000	0.0	0.0	0.054209	-	-	-
		6.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-43.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-

Oasys

GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)

3-6 Spring Place, London
Combined

Job No.	Sheet No.	Rev.
J16143		
Drg. Ref.		
Made by JD	**Date** 23-Aug-2016	**Checked**

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		-24.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-42.00000	0.00000	0.0	0.0	0.0026791	-	-	-
		-21.00000	-42.00000	0.00000	0.0	0.0	0.049200	-	-	-
		-20.00000	-42.00000	0.00000	0.0	0.0	0.092187	-	-	-
		-19.00000	-42.00000	0.00000	0.0	0.0	0.13139	-	-	-
		-18.00000	-42.00000	0.00000	0.0	0.0	0.16658	-	-	-
		-17.00000	-42.00000	0.00000	0.0	0.0	0.19753	-	-	-
		-16.00000	-42.00000	0.00000	0.0	0.0	0.22404	-	-	-
		-15.00000	-42.00000	0.00000	0.0	0.0	0.25511	-	-	-
		-14.00000	-42.00000	0.00000	0.0	0.0	0.28363	-	-	-
		-13.00000	-42.00000	0.00000	0.0093443	-0.036404	0.31748	-	-	-
		-12.00000	-42.00000	0.00000	0.012849	-0.067265	0.34441	-	-	-
		-11.00000	-42.00000	0.00000	0.011420	-0.091104	0.36585	-	-	-
		-10.00000	-42.00000	0.00000	0.0063651	-0.10664	0.38168	-	-	-
		-9.00000	-42.00000	0.00000	-674.09E-6	-0.11281	0.39160	-	-	-
		-8.00000	-42.00000	0.00000	-0.0078003	-0.10888	0.39521	-	-	-
		-7.00000	-42.00000	0.00000	-0.012976	-0.094506	0.39206	-	-	-
		-6.00000	-42.00000	0.00000	-0.014157	-0.069750	0.38160	-	-	-
		-5.00000	-42.00000	0.00000	-0.0094232	-0.035078	0.36308	-	-	-
		-4.00000	-42.00000	0.00000	0.0	0.0	0.33584	-	-	-
		-3.00000	-42.00000	0.00000	0.0	0.0	0.31118	-	-	-
		-2.00000	-42.00000	0.00000	0.0	0.0	0.28082	-	-	-
		-1.00000	-42.00000	0.00000	0.0	0.0	0.24495	-	-	-
		0.00000	-42.00000	0.00000	0.0	0.0	0.20382	-	-	-
		1.00000	-42.00000	0.00000	0.0	0.0	0.15768	-	-	-
		2.00000	-42.00000	0.00000	0.0	0.0	0.23292	-	-	-
		3.00000	-42.00000	0.00000	0.0	0.0	0.11864	-	-	-
		4.00000	-42.00000	0.00000	0.0	0.0	0.0043563	-	-	-
		5.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-42.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		-45.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-41.00000	0.00000	0.0	0.0	0.032104	-	-	-
		-19.00000	-41.00000	0.00000	0.0	0.0	0.070051	-	-	-
		-18.00000	-41.00000	0.00000	0.0	0.0	0.10417	-	-	-
		-17.00000	-41.00000	0.00000	0.0	0.0	0.13427	-	-	-
		-16.00000	-41.00000	0.00000	0.0	0.0	0.16267	-	-	-
		-15.00000	-41.00000	0.00000	0.0	0.0	0.19123	-	-	-
		-14.00000	-41.00000	0.00000	0.0	0.0	0.21718	-	-	-
		-13.00000	-41.00000	0.00000	0.0	0.0	0.24013	-	-	-
		-12.00000	-41.00000	0.00000	0.0	0.0	0.25971	-	-	-
		-11.00000	-41.00000	0.00000	0.0	0.0	0.27552	-	-	-
		-10.00000	-41.00000	0.00000	0.0	0.0	0.28718	-	-	-
		-9.00000	-41.00000	0.00000	0.0	0.0	0.29433	-	-	-
		-8.00000	-41.00000	0.00000	0.0	0.0	0.29666	-	-	-
		-7.00000	-41.00000	0.00000	0.0	0.0	0.29390	-	-	-
		-6.00000	-41.00000	0.00000	0.0	0.0	0.28586	-	-	-
		-5.00000	-41.00000	0.00000	0.0	0.0	0.27243	-	-	-
		-4.00000	-41.00000	0.00000	0.0	0.0	0.25355	-	-	-
		-3.00000	-41.00000	0.00000	0.0	0.0	0.22925	-	-	-
		-2.00000	-41.00000	0.00000	0.0	0.0	0.19962	-	-	-
		-1.00000	-41.00000	0.00000	0.0	0.0	0.16481	-	-	-
		0.00000	-41.00000	0.00000	0.0	0.0	0.12501	-	-	-
		1.00000	-41.00000	0.00000	0.0	0.0	0.080449	-	-	-
		2.00000	-41.00000	0.00000	0.0	0.0	0.031369	-	-	-
		3.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		85.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-41.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-40.00000	0.00000	0.0	0.0	0.0087959	-	-	-
		-18.00000	-40.00000	0.00000	0.0	0.0	0.041983	-	-	-
		-17.00000	-40.00000	0.00000	0.0	0.0	0.071369	-	-	-
		-16.00000	-40.00000	0.00000	0.0	0.0	0.099689	-	-	-
		-15.00000	-40.00000	0.00000	0.0	0.0	0.12591	-	-	-
		-14.00000	-40.00000	0.00000	0.0	0.0	0.14950	-	-	-
		-13.00000	-40.00000	0.00000	0.0	0.0	0.17012	-	-	-
		-12.00000	-40.00000	0.00000	0.0	0.0	0.18744	-	-	-
		-11.00000	-40.00000	0.00000	0.0	0.0	0.20112	-	-	-
		-10.00000	-40.00000	0.00000	0.0	0.0	0.21082	-	-	-
		-9.00000	-40.00000	0.00000	0.0	0.0	0.21626	-	-	-
		-8.00000	-40.00000	0.00000	0.0	0.0	0.21715	-	-	-
		-7.00000	-40.00000	0.00000	0.0	0.0	0.21327	-	-	-
		-6.00000	-40.00000	0.00000	0.0	0.0	0.20447	-	-	-
		-5.00000	-40.00000	0.00000	0.0	0.0	0.19063	-	-	-
		-4.00000	-40.00000	0.00000	0.0	0.0	0.17170	-	-	-
		-3.00000	-40.00000	0.00000	0.0	0.0	0.14769	-	-	-
		-2.00000	-40.00000	0.00000	0.0	0.0	0.11869	-	-	-
		-1.00000	-40.00000	0.00000	0.0	0.0	0.084793	-	-	-
		0.00000	-40.00000	0.00000	0.0	0.0	0.046167	-	-	-
		1.00000	-40.00000	0.00000	0.0	0.0	0.0029971	-	-	-
		2.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		64.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-40.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-39.00000	0.00000	0.0	0.0088796		-	-	-
		-16.00000	-39.00000	0.00000	0.0	0.0	0.035285	-	-	-
		-15.00000	-39.00000	0.00000	0.0	0.0	0.059344	-	-	-
		-14.00000	-39.00000	0.00000	0.0	0.0	0.080773	-	-	-
		-13.00000	-39.00000	0.00000	0.0	0.0	0.099277	-	-	-
		-12.00000	-39.00000	0.00000	0.0	0.0	0.11456	-	-	-
		-11.00000	-39.00000	0.00000	0.0	0.0	0.12633	-	-	-
		-10.00000	-39.00000	0.00000	0.0	0.0	0.13429	-	-	-
		-9.00000	-39.00000	0.00000	0.0	0.0	0.13820	-	-	-
		-8.00000	-39.00000	0.00000	0.0	0.0	0.13781	-	-	-
		-7.00000	-39.00000	0.00000	0.0	0.0	0.13294	-	-	-
		-6.00000	-39.00000	0.00000	0.0	0.0	0.12344	-	-	-
		-5.00000	-39.00000	0.00000	0.0	0.0	0.10922	-	-	-
		-4.00000	-39.00000	0.00000	0.0	0.0	0.090226	-	-	-
		-3.00000	-39.00000	0.00000	0.0	0.0	0.066466	-	-	-
		-2.00000	-39.00000	0.00000	0.0	0.0	0.037992	-	-	-
		-1.00000	-39.00000	0.00000	0.0	0.0	0.0048953	-	-	-
		0.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		43.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-39.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-38.00000	0.00000	0.0	0.0	0.011156	-	-	-
		-13.00000	-38.00000	0.00000	0.0	0.0	0.027731	-	-	-
		-12.00000	-38.00000	0.00000	0.0	0.0	0.041170	-	-	-
		-11.00000	-38.00000	0.00000	0.0	0.0	0.051213	-	-	-
		-10.00000	-38.00000	0.00000	0.0	0.0	0.057615	-	-	-
		-9.00000	-38.00000	0.00000	0.0	0.0	0.060150	-	-	-
		-8.00000	-38.00000	0.00000	0.0	0.0	0.058617	-	-	-
		-7.00000	-38.00000	0.00000	0.0	0.0	0.052852	-	-	-
		-6.00000	-38.00000	0.00000	0.0	0.0	0.042725	-	-	-
		-5.00000	-38.00000	0.00000	0.0	0.0	0.028151	-	-	-
		-4.00000	-38.00000	0.00000	0.0	0.0	0.0090847	-	-	-
		-3.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		22.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-38.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-

Oasys
GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)
3-6 Spring Place, London
Combined

Job No.	Sheet No.	Rev.
J16143		

Drg. Ref.

Made by	Date	Checked
JD	23-Aug-2016	

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		1.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-37.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		-20.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-36.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		-41.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		89.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-35.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		68.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-34.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		47.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-33.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		26.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-32.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		5.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-31.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		-16.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-30.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		-37.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-

Oasys

GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)

3-6 Spring Place, London
Combined

Job No.	Sheet No.	Rev.
J16143		

Drg. Ref.

Made by	Date	Checked
JD	23-Aug-2016	

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		93.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-29.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		72.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-28.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		51.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-27.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		30.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-26.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		9.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-25.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		-12.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-24.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-

Oasys
GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)
3-6 Spring Place, London
Combined

Job No.	Sheet No.	Rev.
J16143		

Drg. Ref.

Made by	Date	Checked
JD	23-Aug-2016	

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		-33.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		97.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-23.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-

Oasys
GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)
3-6 Spring Place, London
Combined

Job No.	Sheet No.	Rev.
J16143		

Drg. Ref.

Made by	Date	Checked
JD	23-Aug-2016	

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		76.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-22.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		55.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-21.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-

Oasys
3-6 Spring Place, London
Combined

GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)

Job No. J16143 | Sheet No. | Rev.
Drg. Ref.
Made by JD | Date 23-Aug-2016 | Checked

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		34.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-20.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		13.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-19.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-

Oasys
GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)
3-6 Spring Place, London
Combined

Job No.	Sheet No.	Rev.
J16143		
Drg. Ref.		
Made by JD	Date 23-Aug-2016	Checked

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		-8.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-18.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		-29.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-17.00000	0.00000	0.0	0.0	0.0	-	-	-

Oasys
GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)
3-6 Spring Place, London
Combined

Job No.	Sheet No.	Rev.
J16143		

Drg. Ref.

Made by	Date	Checked
JD	23-Aug-2016	

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		-50.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		80.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-16.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		59.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-15.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		38.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-14.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-

Oasys
GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)
3-6 Spring Place, London
Combined

Job No.	Sheet No.	Rev.
J16143		
Drg. Ref.		
Made by JD	Date 23-Aug-2016	Checked

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		17.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-13.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		-4.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-12.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-

Oasys
3-6 Spring Place, London
Combined

GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)

Job No. J16143 | Sheet No. | Rev.
Drg. Ref.
Made by JD | Date 23-Aug-2016 | Checked

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		-25.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-11.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		-46.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-

Oasys
GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)
3-6 Spring Place, London
Combined

Job No.	Sheet No.	Rev.
J16143		

Drg. Ref.

Made by	Date	Checked
JD	23-Aug-2016	

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		84.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-10.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		63.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-9.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-

Oasys
GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)
3-6 Spring Place, London
Combined

Job No.	Sheet No.	Rev.
J16143		

Drg. Ref.

Made by	Date	Checked
JD	23-Aug-2016	

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		42.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-8.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		21.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-7.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-

Oasys
GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)
3-6 Spring Place, London
Combined

Job No.	Sheet No.	Rev.
J16143		

Drg. Ref.

Made by	Date	Checked
JD	23-Aug-2016	

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		0.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-6.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		-21.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-5.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-

Oasys
GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)
3-6 Spring Place, London
Combined

Job No.	Sheet No.	Rev.
J16143		
Drg. Ref.		
Made by JD	Date 23-Aug-2016	Checked

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		-42.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		88.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-4.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-

Oasys
GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)
3-6 Spring Place, London
Combined

Job No.	Sheet No.	Rev.
J16143		
Drg. Ref.		
Made by JD	Date 23-Aug-2016	Checked

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		67.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-3.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		46.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-2.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		4.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		5.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		6.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		7.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		8.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		9.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		10.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		11.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		12.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		13.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		14.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		16.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		18.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		20.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		22.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		24.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-

Oasys
GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)
3-6 Spring Place, London
Combined

Job No.	Sheet No.	Rev.
J16143		
Drg. Ref.		
Made by JD	Date 23-Aug-2016	Checked

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		25.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		26.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		28.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		30.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		32.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		34.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		36.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		38.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		40.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		42.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		44.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		46.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		48.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		50.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		52.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		54.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		56.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		57.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		58.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		59.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		60.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		61.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		62.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		63.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		64.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		65.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		66.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		67.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		68.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		69.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		70.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		71.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		72.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		73.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		74.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		75.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		76.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		77.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		78.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		79.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		80.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		81.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		82.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		83.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		84.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		85.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		86.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		87.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		88.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		89.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		90.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		91.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		92.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		93.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		94.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		95.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		96.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		97.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		98.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		99.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		100.00000	-1.00000	0.00000	0.0	0.0	0.0	-	-	-
		-50.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-49.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-48.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-47.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-46.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-45.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-44.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-43.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-42.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-41.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-40.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-39.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-38.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-37.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-36.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-35.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-34.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-33.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-32.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-31.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-30.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-29.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-28.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-27.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-26.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-25.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-24.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-23.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-22.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-21.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-20.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-19.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-18.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-17.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-16.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-15.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-14.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-13.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-12.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-11.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-10.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-9.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-8.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-7.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-6.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-5.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-4.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-3.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-2.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		-1.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		0.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		1.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		2.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		3.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
	4.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	5.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	6.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	7.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	8.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	9.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	10.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	11.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	12.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	13.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	14.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	15.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	16.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	17.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	18.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	19.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	20.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	21.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	22.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	23.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	24.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	25.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	26.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	27.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	28.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	29.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	30.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	31.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	32.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	33.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	34.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	35.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	36.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	37.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	38.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	39.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	40.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	41.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	42.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	43.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	44.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	45.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	46.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	47.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	48.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	49.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	50.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	51.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	52.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	53.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	54.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	55.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	56.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	57.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	58.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	59.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	60.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	61.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	62.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	63.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	64.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	65.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	66.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	67.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	68.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	69.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	70.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	71.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	72.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	73.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	74.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	75.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	76.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	77.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	78.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	79.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	80.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	81.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	82.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	83.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	84.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	85.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	86.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	87.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	88.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	89.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	90.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	91.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	92.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	93.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	94.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	95.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	96.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	97.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	98.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	99.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
	100.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-

Specific Building Damage Results - Horizontal Displacements

Structure: AN | Sub-structure: Sub 1

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	-31.06000	-47.85800	-1.80000	0.0	0.0	0.0	0.0
2.0252	-29.03480	-47.85000	-1.80000	0.0	0.0	0.0	0.0
4.0504	-27.00960	-47.84200	-1.80000	0.0	0.0	0.0	0.0
6.0756	-24.98440	-47.83400	-1.80000	0.0	0.0	0.0	0.0
8.1009	-22.95920	-47.82600	-1.80000	0.0	0.0	0.0	0.0
10.126	-20.93400	-47.81800	-1.80000	0.10126	-0.080467	0.10094	-0.080867

Structure: AN1 | Sub-structure: Sub 2

Dist.	Coordinates x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	-20.93400	-47.81800	-1.80000	0.10126	-0.080467	0.12214	-0.042544
2.0076	-19.03883	-48.48050	-1.80000	0.39346	-0.34602	0.48560	-0.19680

Oasys
3-6 Spring Place, London
Combined

GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)

Job No. J16143 | Sheet No. | Rev.
Drg. Ref.
Made by JD | Date 23-Aug-2016 | Checked

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
4.0153	-17.14367	-49.14300	-1.80000	0.64000	-0.64265	0.81622	-0.39546
6.0229	-15.24850	-49.80550	-1.80000	0.80543	-0.97103	1.0807	-0.65085
8.0305	-13.35333	-50.46800	-1.80000	0.83517	-1.3248	1.2256	-0.97496
10.038	-11.45817	-51.13050	-1.80000	0.66675	-1.7177	1.1962	-1.4015
12.046	-9.56300	-51.79300	-1.80000	0.19732	-2.2725	0.93619	-2.0801

Structure: AE | Sub-structure: Sub 3

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	-9.56300	-51.79300	-1.80000	0.19732	-2.2725	2.2356	0.45341
2.0172	-9.79144	-53.79719	-1.80000	0.53994	-2.6455	2.5673	0.83606
4.0343	-10.01988	-55.80138	-1.80000	1.7024	-2.6165	2.4069	1.9878
6.0515	-10.24831	-57.80556	-1.80000	9.1288	-1.0196	-0.020757	9.1855
8.0687	-10.47675	-59.80975	-1.80000	9.1251	-1.0192	-0.020749	9.1819
10.086	-10.70519	-61.81394	-1.80000	9.1215	-1.0188	-0.020740	9.1782
12.103	-10.93363	-63.81812	-1.80000	9.1179	-1.0184	-0.020732	9.1746
14.120	-11.16206	-65.82231	-1.80000	9.1143	-1.0180	-0.020724	9.1710
16.137	-11.39050	-67.82650	-1.80000	9.1107	-1.0176	-0.020716	9.1673
18.154	-11.61894	-69.83069	-1.80000	9.1071	-1.0172	-0.020708	9.1637
20.172	-11.84738	-71.83487	-1.80000	9.1035	-1.0168	-0.020699	9.1601
22.189	-12.07581	-73.83906	-1.80000	9.0999	-1.0164	-0.020691	9.1564
24.206	-12.30425	-75.84325	-1.80000	9.0963	-1.0160	-0.020683	9.1528
26.223	-12.53269	-77.84744	-1.80000	4.9046	3.5743	-4.1067	4.4683
28.240	-12.76113	-79.85162	-1.80000	4.0884	6.3434	-6.7656	3.3437
30.257	-12.98956	-81.85581	-1.80000	3.4015	5.2776	-5.6289	2.7819
32.275	-13.21800	-83.86000	-1.80000	2.7594	4.2814	-4.5664	2.2568

Structure: AS | Sub-structure: Sub 4

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	-13.21800	-83.86000	-1.80000	2.7594	4.2814	-2.5306	-4.4205
2.0237	-15.23889	-83.75367	-1.80000	2.4188	3.7530	-2.2183	-3.8749
4.0474	-17.25978	-83.64733	-1.80000	1.8483	2.0764	-1.7366	-2.1707
6.0711	-19.28067	-83.54100	-1.80000	1.6072	1.3274	-1.5352	-1.4100
8.0947	-21.30156	-83.43467	-1.80000	1.1797	0.76506	-1.1379	-0.82599
10.118	-23.32244	-83.32833	-1.80000	0.66087	0.35074	-0.64153	-0.38498
12.142	-25.34333	-83.22200	-1.80000	0.13634	0.060920	-0.13295	-0.067999
14.166	-27.36422	-83.11567	-1.80000	0.0	0.0	0.0	0.0
16.189	-29.38511	-83.00933	-1.80000	0.0	0.0	0.0	0.0
18.213	-31.40600	-82.90300	-1.80000	0.0	0.0	0.0	0.0

Structure: AW | Sub-structure: Sub 5

Dist.	Coordinates x	y	z	x	y	Displacements Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	-31.40600	-82.90300	-1.80000	0.0	0.0	0.0	0.0
2.0616	-31.38565	-80.84153	-1.80000	0.0	0.0	0.0	0.0
4.1231	-31.36529	-78.78006	-1.80000	0.0	0.0	0.0	0.0
6.1847	-31.34494	-76.71859	-1.80000	0.0	0.0	0.0	0.0
8.2463	-31.32459	-74.65712	-1.80000	0.0	0.0	0.0	0.0
10.308	-31.30424	-72.59565	-1.80000	0.0	0.0	0.0	0.0
12.369	-31.28388	-70.53418	-1.80000	0.0	0.0	0.0	0.0
14.431	-31.26353	-68.47271	-1.80000	0.0	0.0	0.0	0.0
16.493	-31.24318	-66.41124	-1.80000	0.0	0.0	0.0	0.0
18.554	-31.22282	-64.34976	-1.80000	0.0	0.0	0.0	0.0
20.616	-31.20247	-62.28829	-1.80000	0.0	0.0	0.0	0.0
22.677	-31.18212	-60.22682	-1.80000	0.0	0.0	0.0	0.0
24.739	-31.16176	-58.16535	-1.80000	0.0	0.0	0.0	0.0
26.800	-31.14141	-56.10388	-1.80000	0.0	0.0	0.0	0.0
28.862	-31.12106	-54.04241	-1.80000	0.0	0.0	0.0	0.0
30.924	-31.10071	-51.98094	-1.80000	0.0	0.0	0.0	0.0
32.985	-31.08035	-49.91947	-1.80000	0.0	0.0	0.0	0.0
35.047	-31.06000	-47.85800	-1.80000	0.0	0.0	0.0	0.0

Structure: BE | Sub-structure: Sub 6

Dist.	Coordinates x	y	z	x	y	Displacements Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	23.08000	-41.38700	-1.50000	0.0	0.0	0.0	0.0
1.8814	23.13662	-43.26750	-1.50000	0.0	0.0	0.0	0.0
3.7627	23.19325	-45.14800	-1.50000	0.0	0.0	0.0	0.0
5.6441	23.24987	-47.02850	-1.50000	0.0	0.0	0.0	0.0
7.5254	23.30650	-48.90900	-1.50000	0.0	0.0	0.0	0.0
9.4068	23.36313	-50.78950	-1.50000	0.0	0.0	0.0	0.0
11.288	23.41975	-52.67000	-1.50000	0.0	0.0	0.0	0.0
13.169	23.47638	-54.55050	-1.50000	0.0	0.0	0.0	0.0
15.051	23.53300	-56.43100	-1.50000	0.0	0.0	0.0	0.0

Structure: BS1 | Sub-structure: Sub 7

Dist.	Coordinates x	y	z	x	y	Displacements Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	23.53300	-56.43100	-1.50000	0.0	0.0	0.0	0.0
0.93837	22.59467	-56.42267	-1.50000	0.0	0.0	0.0	0.0
1.8767	21.65633	-56.41433	-1.50000	0.0	0.0	0.0	0.0
2.8151	20.71800	-56.40600	-1.50000	0.0	0.0	0.0	0.0
3.7535	19.77967	-56.39767	-1.50000	0.0	0.0	0.0	0.0
4.6919	18.84133	-56.38933	-1.50000	0.0	0.0	0.0	0.0
5.6302	17.90300	-56.38100	-1.50000	0.0	0.0	0.0	0.0

Structure: BS2 | Sub-structure: Sub 8

Dist.	Coordinates x	y	z	x	Displacements y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	17.90300	-56.38100	-1.50000	0.0	0.0	0.0	0.0
1.7520	16.42717	-55.43683	-1.50000	0.0	0.0	0.0	0.0

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
3.5040	14.95133	-54.49267	-1.50000	-0.0035301	-0.0050701	241.37E-6	0.0061733
5.2560	13.47550	-53.54850	-1.50000	-0.018197	-0.026136	0.0012442	0.031823
7.0080	11.99967	-52.60433	-1.50000	-0.032865	-0.047201	0.0022471	0.057472
8.7600	10.52383	-51.66017	-1.50000	-0.047532	-0.068267	0.0032500	0.083121
10.512	9.04800	-50.71600	-1.50000	-0.062199	-0.089333	0.0042529	0.10877

Structure: BS3 | Sub-structure: Sub 9

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	9.04800	-50.71600	-1.50000	-0.062199	-0.089333	-0.086911	0.065541
0.95402	9.01183	-49.76267	-1.50000	0.0	0.0	0.0	0.0
1.9080	8.97567	-48.80933	-1.50000	0.0	0.0	0.0	0.0
2.8621	8.93950	-47.85600	-1.50000	0.0	0.0	0.0	0.0
3.8161	8.90333	-46.90267	-1.50000	0.0	0.0	0.0	0.0
4.7701	8.86717	-45.94933	-1.50000	0.0	0.0	0.0	0.0
5.7241	8.83100	-44.99600	-1.50000	0.0	0.0	0.0	0.0

Structure: BS4 | Sub-structure: Sub 10

Dist.	Coordinates x	y	z	x	y	Displacements Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	8.83100	-44.99600	-1.50000	0.0	0.0	0.0	0.0
0.88392	7.94767	-45.02833	-1.50000	0.0	0.0	0.0	0.0
1.7678	7.06433	-45.06067	-1.50000	0.0	0.0	0.0	0.0
2.6518	6.18100	-45.09300	-1.50000	0.0	0.0	0.0	0.0

Structure: BW | Sub-structure: Sub 11

Dist.	Coordinates x	y	z	x	y	Displacements Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	6.18100	-45.09300	-1.50000	0.0	0.0	0.0	0.0
0.97923	6.27187	-44.11800	-1.50000	0.0	0.0	0.0	0.0
1.9585	6.36275	-43.14300	-1.50000	0.0	0.0	0.0	0.0
2.9377	6.45363	-42.16800	-1.50000	0.0	0.0	0.0	0.0
3.9169	6.54450	-41.19300	-1.50000	0.0	0.0	0.0	0.0
4.8961	6.63537	-40.21800	-1.50000	0.0	0.0	0.0	0.0
5.8754	6.72625	-39.24300	-1.50000	0.0	0.0	0.0	0.0
6.8546	6.81713	-38.26800	-1.50000	0.0	0.0	0.0	0.0
7.8338	6.90800	-37.29300	-1.50000	0.0	0.0	0.0	0.0

Structure: BW2 | Sub-structure: Sub 12

Dist.	Coordinates x	y	z	x	y	Displacements Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	6.90800	-37.29300	-1.50000	0.0	0.0	0.0	0.0
1.9061	8.81257	-37.21686	-1.50000	0.0	0.0	0.0	0.0
3.8122	10.71714	-37.14071	-1.50000	0.0	0.0	0.0	0.0
5.7183	12.62171	-37.06457	-1.50000	0.0	0.0	0.0	0.0
7.6244	14.52629	-36.98843	-1.50000	0.0	0.0	0.0	0.0
9.5305	16.43086	-36.91229	-1.50000	0.0	0.0	0.0	0.0
11.437	18.33543	-36.83614	-1.50000	0.0	0.0	0.0	0.0
13.343	20.24000	-36.76000	-1.50000	0.0	0.0	0.0	0.0

Structure: CE | Sub-structure: Sub 13

Dist.	Coordinates x	y	z	x	y	Displacements Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	41.60300	-40.92000	-1.50000	0.0	0.0	0.0	0.0
1.8824	41.63788	-42.80213	-1.50000	0.0	0.0	0.0	0.0
3.7649	41.67275	-44.68425	-1.50000	0.0	0.0	0.0	0.0
5.6473	41.70763	-46.56638	-1.50000	0.0	0.0	0.0	0.0
7.5298	41.74250	-48.44850	-1.50000	0.0	0.0	0.0	0.0
9.4122	41.77737	-50.33062	-1.50000	0.0	0.0	0.0	0.0
11.295	41.81225	-52.21275	-1.50000	0.0	0.0	0.0	0.0
13.177	41.84712	-54.09488	-1.50000	0.0	0.0	0.0	0.0
15.060	41.88200	-55.97700	-1.50000	0.0	0.0	0.0	0.0

Structure: CS | Sub-structure: Sub 14

Dist.	Coordinates x	y	z	x	y	Displacements Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	41.88200	-55.97700	-1.50000	0.0	0.0	0.0	0.0
1.8700	40.01362	-56.05475	-1.50000	0.0	0.0	0.0	0.0
3.7400	38.14525	-56.13250	-1.50000	0.0	0.0	0.0	0.0
5.6100	36.27687	-56.21025	-1.50000	0.0	0.0	0.0	0.0
7.4800	34.40850	-56.28800	-1.50000	0.0	0.0	0.0	0.0
9.3500	32.54012	-56.36575	-1.50000	0.0	0.0	0.0	0.0
11.220	30.67175	-56.44350	-1.50000	0.0	0.0	0.0	0.0
13.090	28.80337	-56.52125	-1.50000	0.0	0.0	0.0	0.0
14.960	26.93500	-56.59900	-1.50000	0.0	0.0	0.0	0.0

Structure: CW1 | Sub-structure: Sub 15

Dist.	Coordinates x	y	z	x	y	Displacements Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	26.93500	-56.59900	-1.50000	0.0	0.0	0.0	0.0
1.0507	26.89756	-55.54900	-1.50000	0.0	0.0	0.0	0.0
2.1013	26.86011	-54.49900	-1.50000	0.0	0.0	0.0	0.0
3.1520	26.82267	-53.44900	-1.50000	0.0	0.0	0.0	0.0
4.2027	26.78522	-52.39900	-1.50000	0.0	0.0	0.0	0.0
5.2533	26.74778	-51.34900	-1.50000	0.0	0.0	0.0	0.0
6.3040	26.71033	-50.29900	-1.50000	0.0	0.0	0.0	0.0

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Dist.	Coordinates x	y	z	x	y	Displacements Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
7.3547	26.67289	-49.24900	-1.50000	0.0	0.0	0.0	0.0
8.4053	26.63544	-48.19900	-1.50000	0.0	0.0	0.0	0.0
9.4560	26.59800	-47.14900	-1.50000	0.0	0.0	0.0	0.0

Structure: CW2 | Sub-structure: Sub 16

Dist.	Coordinates x	y	z	x	y	Displacements Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	26.59800	-47.14900	-1.50000	0.0	0.0	0.0	0.0
1.1614	27.75867	-47.10667	-1.50000	0.0	0.0	0.0	0.0
2.3229	28.91933	-47.06433	-1.50000	0.0	0.0	0.0	0.0
3.4843	30.08000	-47.02200	-1.50000	0.0	0.0	0.0	0.0

Structure: CW3 | Sub-structure: Sub 17

Dist.	Coordinates x	y	z	x	y	Displacements Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	30.08000	-47.02200	-1.50000	0.0	0.0	0.0	0.0
0.91527	30.07425	-46.10675	-1.50000	0.0	0.0	0.0	0.0
1.8305	30.06850	-45.19150	-1.50000	0.0	0.0	0.0	0.0
2.7458	30.06275	-44.27625	-1.50000	0.0	0.0	0.0	0.0
3.6611	30.05700	-43.36100	-1.50000	0.0	0.0	0.0	0.0

Structure: CW4 | Sub-structure: Sub 18

Dist.	Coordinates x	y	z	x	y	Displacements Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	30.05700	-43.36100	-1.50000	0.0	0.0	0.0	0.0
1.0107	29.04667	-43.38833	-1.50000	0.0	0.0	0.0	0.0
2.0214	28.03633	-43.41567	-1.50000	0.0	0.0	0.0	0.0
3.0321	27.02600	-43.44300	-1.50000	0.0	0.0	0.0	0.0

Structure: CW5 | Sub-structure: Sub 19

Dist.	Coordinates x	y	z	x	y	Displacements Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	27.02600	-43.44300	-1.50000	0.0	0.0	0.0	0.0
1.8987	26.95750	-41.54550	-1.50000	0.0	0.0	0.0	0.0
3.7975	26.88900	-39.64800	-1.50000	0.0	0.0	0.0	0.0
5.6962	26.82050	-37.75050	-1.50000	0.0	0.0	0.0	0.0
7.5949	26.75200	-35.85300	-1.50000	0.0	0.0	0.0	0.0
9.4937	26.68350	-33.95550	-1.50000	0.0	0.0	0.0	0.0
11.392	26.61500	-32.05800	-1.50000	0.0	0.0	0.0	0.0

Structure: V1N | Sub-structure: Sub 20

Dist.	Coordinates x	y	z	x	y	Displacements Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	-0.96200	-44.71200	-2.00000	-0.10363	-0.15956	-770.56E-6	-0.19026
0.88868	-0.21475	-45.19300	-2.00000	-0.23154	-0.33254	-0.014701	-0.40495
1.7774	0.53250	-45.67400	-2.00000	-0.22139	-0.31796	-0.014056	-0.38719
2.6660	1.27975	-46.15500	-2.00000	-0.21128	-0.30345	-0.013415	-0.36951
3.5547	2.02700	-46.63600	-2.00000	-0.20437	-0.29353	-0.012976	-0.35743

Structure: V1E | Sub-structure: Sub 21

Dist.	Coordinates x	y	z	x	y	Displacements Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	2.02700	-46.63600	-2.00000	-0.20437	-0.29353	0.35719	-0.018548
1.7548	1.10033	-48.12617	-2.00000	-0.75411	-1.0831	1.3180	-0.068441
3.5096	0.17367	-49.61633	-2.00000	-1.3147	-1.8882	2.2977	-0.11932
5.2644	-0.75300	-51.10650	-2.00000	-1.8907	-2.7154	3.3043	-0.17159
7.0192	-1.67967	-52.59667	-2.00000	-2.4899	-3.5760	4.3516	-0.22597
8.7740	-2.60633	-54.08683	-2.00000	-3.1201	-4.4812	5.4531	-0.28318
10.529	-3.53300	-55.57700	-2.00000	-3.7893	-5.4423	6.6227	-0.34391

Structure: V1S | Sub-structure: Sub 22

Dist.	Coordinates x	y	z	x	y	Displacements Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	-3.53300	-55.57700	-2.00000	-3.7893	-5.4423	-0.49530	6.6131
0.97686	-4.29075	-54.96050	-2.00000	-3.7606	-5.4010	-0.49155	6.5629
1.9537	-5.04850	-54.34400	-2.00000	-3.7319	-5.3599	-0.48780	6.5129
2.9306	-5.80625	-53.72750	-2.00000	-3.7033	-5.3188	-0.48406	6.4630
3.9074	-6.56400	-53.11100	-2.00000	-1.5175	-2.4729	-0.38353	2.8759

Structure: V1W | Sub-structure: Sub 23

Dist.	Coordinates x	y	z	x	y	Displacements Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	-6.56400	-53.11100	-2.00000	-1.5175	-2.4729	-2.8993	-0.10973
2.0192	-5.44360	-51.43120	-2.00000	-1.2290	-1.9536	-2.3073	-0.061572
4.0383	-4.32320	-49.75140	-2.00000	-0.93950	-1.4735	-1.7471	-0.036006
6.0575	-3.20280	-48.07160	-2.00000	-0.65623	-1.0206	-1.2132	-0.020364
8.0767	-2.08240	-46.39180	-2.00000	-0.37865	-0.58549	-0.69719	-0.0098719
10.096	-0.96200	-44.71200	-2.00000	-0.10363	-0.15956	-0.19024	-0.0023293

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
						[mm]	[mm]

Structure: V2N | Sub-structure: Sub 24

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	7.01000	-50.15700	-2.00000	-0.21343	-0.30653	-0.013458	-0.37327
0.92896	7.79100	-50.66000	-2.00000	-0.20626	-0.29623	-0.013006	-0.36073
1.8579	8.57200	-51.16300	-2.00000	-0.19909	-0.28593	-0.012554	-0.34819
2.7869	9.35300	-51.66600	-2.00000	-0.19191	-0.27563	-0.012101	-0.33564
3.7158	10.13400	-52.16900	-2.00000	-0.18474	-0.26533	-0.011649	-0.32310

Structure: V2E | Sub-structure: Sub 25

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	10.13400	-52.16900	-2.00000	-0.18474	-0.26533	0.32317	-0.0094816
2.0505	9.01220	-53.88540	-2.00000	-0.81932	-1.1767	1.4333	-0.042050
4.1010	7.89040	-55.60180	-2.00000	-1.4780	-2.1227	2.5855	-0.075856
6.1514	6.76860	-57.31820	-2.00000	-2.1608	-3.1034	3.7799	-0.11090
8.2019	5.64680	-59.03460	-2.00000	-2.8803	-4.1367	5.0385	-0.14783
10.252	4.52500	-60.75100	-2.00000	-3.6490	-5.2408	6.3832	-0.18728

Structure: V2S | Sub-structure: Sub 26

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	4.52500	-60.75100	-2.00000	-3.6490	-5.2408	0.23297	6.3817
0.88618	3.77975	-60.27150	-2.00000	-3.6616	-5.2588	0.23377	6.4037
1.7724	3.03450	-59.79200	-2.00000	-3.6742	-5.2769	0.23458	6.4258
2.6585	2.28925	-59.31250	-2.00000	-3.6868	-5.2951	0.23538	6.4478
3.5447	1.54400	-58.83300	-2.00000	-3.6994	-5.3132	0.23619	6.4699

Structure: V2W | Sub-structure: Sub 27

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	1.54400	-58.83300	-2.00000	-3.6994	-5.3132	-6.4674	0.29784
2.0509	2.63720	-57.09780	-2.00000	-2.9275	-4.2046	-5.1180	0.23569
4.1017	3.73040	-55.36260	-2.00000	-2.2056	-3.1678	-3.8559	0.17757
6.1526	4.82360	-53.62740	-2.00000	-1.5211	-2.1847	-2.6593	0.12247
8.2034	5.91680	-51.89220	-2.00000	-0.86157	-1.2374	-1.5062	0.069364
10.254	7.01000	-50.15700	-2.00000	-0.21343	-0.30653	-0.37312	0.017183

Structure: V3N | Sub-structure: Sub 28

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	15.19900	-55.51400	-2.00000	-0.15281	-0.21947	-0.012003	-0.26716
0.90451	15.96375	-55.99700	-2.00000	-0.14411	-0.20697	-0.011320	-0.25195
1.8090	16.72850	-56.48000	-2.00000	-0.13541	-0.19448	-0.010637	-0.23674
2.7135	17.49325	-56.96300	-2.00000	-0.12671	-0.18198	-0.0099533	-0.22153
3.6180	18.25800	-57.44600	-2.00000	-0.11801	-0.16949	-0.0092700	-0.20632

Structure: V3E | Sub-structure: Sub 29

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	18.25800	-57.44600	-2.00000	-0.11801	-0.16949	0.20642	-0.0065548
2.0640	17.13300	-59.17640	-2.00000	-0.72478	-1.0409	1.2678	-0.040258
4.1279	16.00800	-60.90680	-2.00000	-1.3853	-1.9896	2.4232	-0.076947
6.1919	14.88300	-62.63720	-2.00000	-2.0685	-2.9709	3.6183	-0.11490
8.2558	13.75800	-64.36760	-2.00000	-2.7872	-4.0031	4.8754	-0.15481
10.320	12.63300	-66.09800	-2.00000	-3.5541	-5.1046	6.2169	-0.19741

Structure: V3S | Sub-structure: Sub 30

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	12.63300	-66.09800	-2.00000	-3.5541	-5.1046	0.12199	6.2188
0.92309	11.86525	-65.58550	-2.00000	-3.5611	-5.1146	0.12223	6.2310
1.8462	11.09750	-65.07300	-2.00000	-3.5681	-5.1246	0.12246	6.2433
2.7693	10.32975	-64.56050	-2.00000	-3.5751	-5.1347	0.12270	6.2555
3.6924	9.56200	-64.04800	-2.00000	-3.5821	-5.1447	0.12294	6.2677

Structure: V3W | Sub-structure: Sub 31

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	9.56200	-64.04800	-2.00000	-3.5821	-5.1447	-6.2671	0.15339
2.0455	10.68940	-62.34120	-2.00000	-2.8197	-4.0498	-4.9332	0.12075
4.0911	11.81680	-60.63440	-2.00000	-2.1053	-3.0237	-3.6833	0.090154
6.1366	12.94420	-58.92760	-2.00000	-1.4264	-2.0486	-2.4956	0.061082
8.1821	14.07160	-57.22080	-2.00000	-0.77055	-1.1067	-1.3481	0.032997
10.228	15.19900	-55.51400	-2.00000	-0.15281	-0.21947	-0.26734	0.0065436

Structure: V4N | Sub-structure: Sub 32

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Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	23.60700	-60.74600	-2.00000	-0.043391	-0.062319	-721.65E-6	-0.075934
0.89340	24.34500	-61.24950	-2.00000	-0.041572	-0.059706	-691.39E-6	-0.072750
1.7868	25.08300	-61.75300	-2.00000	-0.039752	-0.057093	-661.13E-6	-0.069566
2.6802	25.82100	-62.25650	-2.00000	-0.037933	-0.054481	-630.88E-6	-0.066383
3.5736	26.55900	-62.76000	-2.00000	-0.036114	-0.051868	-600.62E-6	-0.063199

Structure: V4E | Sub-structure: Sub 33

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	26.55900	-62.76000	-2.00000	-0.036114	-0.051868	0.063197	-804.57E-6
1.7543	25.57500	-64.21233	-2.00000	-0.50638	-0.72728	0.88613	-0.011282
3.5086	24.59100	-65.66467	-2.00000	-1.0632	-1.5269	1.8605	-0.023686
5.2629	23.60700	-67.11700	-2.00000	-1.6319	-2.3437	2.8556	-0.036356
7.0172	22.62300	-68.56933	-2.00000	-2.2203	-3.1889	3.8854	-0.049466
8.7714	21.63900	-70.02167	-2.00000	-2.8365	-4.0738	4.9636	-0.063193
10.526	20.65500	-71.47400	-2.00000	-3.4881	-5.0097	6.1039	-0.077710

Structure: V4S | Sub-structure: Sub 34

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	20.65500	-71.47400	-2.00000	-3.4881	-5.0097	0.070801	6.1040
0.91751	19.89600	-70.95850	-2.00000	-3.4922	-5.0155	0.070884	6.1111
1.8350	19.13700	-70.44300	-2.00000	-3.4962	-5.0214	0.070967	6.1183
2.7525	18.37800	-69.92750	-2.00000	-3.5003	-5.0273	0.071050	6.1254
3.6700	17.61900	-69.41200	-2.00000	-3.5044	-5.0331	0.071133	6.1326

Structure: V4W | Sub-structure: Sub 35

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	17.61900	-69.41200	-2.00000	-3.5044	-5.0331	-6.1329	0.021910
1.7556	18.61700	-67.96767	-2.00000	-2.8513	-4.0951	-4.9900	0.017827
3.5112	19.61500	-66.52333	-2.00000	-2.2340	-3.2085	-3.9096	0.013967
5.2668	20.61300	-65.07900	-2.00000	-1.6445	-2.3618	-2.8779	0.010281
7.0224	21.61100	-63.63467	-2.00000	-1.0750	-1.5439	-1.8812	0.0067207
8.7780	22.60900	-62.19033	-2.00000	-0.51755	-0.74332	-0.90574	0.0032358
10.534	23.60700	-60.74600	-2.00000	-0.043391	-0.062319	-0.075937	271.28E-6

Structure: V5N | Sub-structure: Sub 36

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	31.52800	-66.14400	-2.00000	-0.022793	-0.032735	-442.11E-6	-0.039886
0.94171	32.30675	-66.67350	-2.00000	-0.016392	-0.022938	-658.21E-6	-0.028185
1.8834	33.08550	-67.20300	-2.00000	-0.0082709	-0.010238	-0.0010831	-0.013117
2.8251	33.86425	-67.73250	-2.00000	0.0	0.0	0.0	0.0
3.7668	34.64300	-68.26200	-2.00000	0.0	0.0	0.0	0.0

Structure: V5E | Sub-structure: Sub 37

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	34.64300	-68.26200	-2.00000	0.0	0.0	0.0	0.0
1.7455	33.66217	-69.70583	-2.00000	-0.35445	-0.33122	0.47316	-0.10708
3.4910	32.68133	-71.14967	-2.00000	-0.88586	-0.77925	1.1424	-0.29489
5.2364	31.70050	-72.59350	-2.00000	-1.4457	-1.1745	1.7839	-0.53587
6.9819	30.71967	-74.03733	-2.00000	-2.0448	-1.4885	2.3803	-0.85498
8.7274	29.73883	-75.48117	-2.00000	-2.6899	-1.6643	2.8882	-1.2899
10.473	28.75800	-76.92500	-2.00000	-3.4459	-1.6259	3.2812	-1.9367

Structure: V5S | Sub-structure: Sub 38

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	28.75800	-76.92500	-2.00000	-3.4459	-1.6259	1.9834	3.2533
0.92352	27.98675	-76.41700	-2.00000	-3.4235	-2.2211	1.6373	3.7380
1.8470	27.21550	-75.90900	-2.00000	-3.2999	-2.9414	1.1378	4.2716
2.7706	26.44425	-75.40100	-2.00000	-2.9556	-3.6783	0.44496	4.6976
3.6941	25.67300	-74.89300	-2.00000	-3.4646	-4.9759	0.15623	6.0612

Structure: V5W | Sub-structure: Sub 39

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	25.67300	-74.89300	-2.00000	-3.4646	-4.9759	-6.0622	0.11185
1.7546	26.64883	-73.43483	-2.00000	-2.8143	-4.0420	-4.9244	0.090859
3.5091	27.62467	-71.97667	-2.00000	-2.1992	-3.1586	-3.8482	0.071002
5.2637	28.60050	-70.51850	-2.00000	-1.6115	-2.3145	-2.8198	0.052028
7.0183	29.57633	-69.06033	-2.00000	-1.0434	-1.4985	-1.8256	0.033684
8.7728	30.55217	-67.60217	-2.00000	-0.48681	-0.69916	-0.85180	0.015716
10.527	31.52800	-66.14400	-2.00000	-0.022793	-0.032735	-0.039882	735.86E-6

Structure: V6N | Sub-structure: Sub 40

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	39.30000	-71.42300	-2.00000	0.0	0.0	0.0	0.0
0.90340	40.04275	-71.93725	-2.00000	0.0	0.0	0.0	0.0
1.8068	40.78550	-72.45150	-2.00000	0.0	0.0	0.0	0.0
2.7102	41.52825	-72.96575	-2.00000	0.0	0.0	0.0	0.0
3.6136	42.27100	-73.48000	-2.00000	0.0	0.0	0.0	0.0

Structure: V6E | Sub-structure: Sub 41

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	42.27100	-73.48000	-2.00000	0.0	0.0	0.0	0.0
1.7406	41.28000	-74.91100	-2.00000	0.0	0.0	0.0	0.0
3.4813	40.28990	-76.34200	-2.00000	0.0	0.0	0.0	0.0
5.2219	39.29800	-77.77300	-2.00000	0.0	0.0	0.0	0.0
6.9626	38.30700	-79.20400	-2.00000	-0.22074	-0.0059354	0.13055	-0.17809
8.7032	37.31600	-80.63500	-2.00000	-0.78308	0.0057378	0.44112	-0.64705
10.444	36.32500	-82.06600	-2.00000	-1.3254	0.0097111	0.74658	-1.0951

Structure: V6S | Sub-structure: Sub 42

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	36.32500	-82.06600	-2.00000	-1.3254	0.0097111	1.1185	0.71107
0.90065	35.56850	-81.57725	-2.00000	-1.7485	0.012811	1.4756	0.93807
1.8013	34.81200	-81.08850	-2.00000	-2.1752	0.015938	1.8357	1.1670
2.7019	34.05550	-80.59975	-2.00000	-2.6066	0.019099	2.1998	1.3985
3.6026	33.29900	-80.11100	-2.00000	-3.0440	0.022304	2.5689	1.6331

Structure: V6W | Sub-structure: Sub 43

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	33.29900	-80.11100	-2.00000	-3.0440	0.022304	-1.7116	2.5173
1.7598	34.29917	-78.66300	-2.00000	-1.8945	-0.16029	-1.2086	1.4677
3.5197	35.29933	-77.21500	-2.00000	-1.3124	-0.25722	-0.95753	0.93367
5.2795	36.29950	-75.76700	-2.00000	-0.73674	-0.21406	-0.59484	0.48454
7.0394	37.29967	-74.31900	-2.00000	-0.20350	-0.075664	-0.17791	0.12443
8.7992	38.29983	-72.87100	-2.00000	0.0	0.0	0.0	0.0
10.559	39.30000	-71.42300	-2.00000	0.0	0.0	0.0	0.0

Specific Building Damage Results - Vertical Displacements

Structure: AN | Sub-structure: Sub 1

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	-31.06000	-47.85800	-1.80000	0.0
2.0252	-29.03480	-47.85000	-1.80000	0.0
4.0504	-27.00960	-47.84200	-1.80000	0.0
6.0756	-24.98440	-47.83400	-1.80000	0.12623
8.1009	-22.95920	-47.82600	-1.80000	0.26187
10.126	-20.93400	-47.81800	-1.80000	0.40619

Structure: AN1 | Sub-structure: Sub 2

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	-20.93400	-47.81800	-1.80000	0.40619
2.0076	-19.03883	-48.48050	-1.80000	0.57993
4.0153	-17.14367	-49.14300	-1.80000	0.79205
6.0229	-15.24850	-49.80550	-1.80000	1.0605
8.0305	-13.35333	-50.46800	-1.80000	1.3443
10.038	-11.45817	-51.13050	-1.80000	1.6153
12.046	-9.56300	-51.79300	-1.80000	2.0064

Structure: AE | Sub-structure: Sub 3

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	-9.56300	-51.79300	-1.80000	2.0064
2.0172	-9.79144	-53.79719	-1.80000	2.2688
4.0343	-10.01988	-55.80138	-1.80000	2.2872
6.0515	-10.24831	-57.80556	-1.80000	6.2162
8.0687	-10.47675	-59.80975	-1.80000	6.2179
10.086	-10.70519	-61.81394	-1.80000	6.2196
12.103	-10.93363	-63.81812	-1.80000	6.2212
14.120	-11.16206	-65.82231	-1.80000	6.2229
16.137	-11.39050	-67.82650	-1.80000	6.2246
18.154	-11.61894	-69.83069	-1.80000	6.2262
20.172	-11.84738	-71.83487	-1.80000	6.2278
22.189	-12.07581	-73.83906	-1.80000	6.2295
24.206	-12.30425	-75.84325	-1.80000	6.2311
26.223	-12.53269	-77.84744	-1.80000	4.3598
28.240	-12.76113	-79.85162	-1.80000	6.2587
30.257	-12.98956	-81.85581	-1.80000	5.5052
32.275	-13.21800	-83.86000	-1.80000	4.4500

Structure: AS | Sub-structure: Sub 4

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]

Oasys
3-6 Spring Place, London
Combined

GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)

Job No. J16143 | Sheet No. | Rev.
Drg. Ref.
Made by JD | Date 23-Aug-2016 | Checked

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	-13.21800	-83.86000	-1.80000	4.4500
2.0237	-15.23889	-83.75367	-1.80000	3.8413
4.0474	-17.25978	-83.64733	-1.80000	2.3501
6.0711	-19.28067	-83.54100	-1.80000	1.7578
8.0947	-21.30156	-83.43467	-1.80000	1.2748
10.118	-23.32244	-83.32833	-1.80000	0.91400
12.142	-25.34333	-83.22200	-1.80000	0.62826
14.166	-27.36422	-83.11567	-1.80000	0.36948
16.189	-29.38511	-83.00933	-1.80000	0.12356
18.213	-31.40600	-82.90300	-1.80000	0.0

Structure: AW | Sub-structure: Sub 5

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	-31.40600	-82.90300	-1.80000	0.0
2.0616	-31.38565	-80.84153	-1.80000	0.0
4.1231	-31.36529	-78.78006	-1.80000	0.0
6.1847	-31.34494	-76.71859	-1.80000	0.0
8.2463	-31.32459	-74.65712	-1.80000	0.0
10.308	-31.30424	-72.59565	-1.80000	0.0
12.369	-31.28388	-70.53418	-1.80000	0.0
14.431	-31.26353	-68.47271	-1.80000	0.0
16.493	-31.24318	-66.41124	-1.80000	0.0
18.554	-31.22282	-64.34976	-1.80000	0.0
20.616	-31.20247	-62.28829	-1.80000	0.0
22.677	-31.18212	-60.22682	-1.80000	0.0
24.739	-31.16176	-58.16535	-1.80000	0.0
26.800	-31.14141	-56.10388	-1.80000	0.0
28.862	-31.12106	-54.04241	-1.80000	0.0
30.924	-31.10071	-51.98094	-1.80000	0.0
32.985	-31.08035	-49.91947	-1.80000	0.0
35.047	-31.06000	-47.85800	-1.80000	0.0

Structure: BE | Sub-structure: Sub 6

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	23.08000	-41.38700	-1.50000	0.0
1.8814	23.13662	-43.26750	-1.50000	0.0
3.7627	23.19325	-45.14800	-1.50000	0.0
5.6441	23.24987	-47.02850	-1.50000	0.0
7.5254	23.30650	-48.90900	-1.50000	0.0
9.4068	23.36313	-50.78950	-1.50000	0.0
11.288	23.41975	-52.67000	-1.50000	0.0
13.169	23.47638	-54.55050	-1.50000	0.0
15.051	23.53300	-56.43100	-1.50000	0.14072

Structure: BS1 | Sub-structure: Sub 7

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	23.53300	-56.43100	-1.50000	0.14072
0.93837	22.59467	-56.42267	-1.50000	0.24659
1.8767	21.65633	-56.41433	-1.50000	0.35245
2.8151	20.71800	-56.40600	-1.50000	0.45832
3.7535	19.77967	-56.39767	-1.50000	0.56418
4.6919	18.84133	-56.38933	-1.50000	0.67005
5.6302	17.90300	-56.38100	-1.50000	0.77591

Structure: BS2 | Sub-structure: Sub 8

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	17.90300	-56.38100	-1.50000	0.77591
1.7520	16.42717	-55.43683	-1.50000	0.78960
3.5040	14.95133	-54.49267	-1.50000	0.80801
5.2560	13.47550	-53.54850	-1.50000	0.82686
7.0080	11.99967	-52.60433	-1.50000	0.84544
8.7600	10.52383	-51.66017	-1.50000	0.86376
10.512	9.04800	-50.71600	-1.50000	0.88184

Structure: BS3 | Sub-structure: Sub 9

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	9.04800	-50.71600	-1.50000	0.88184
0.95402	9.01183	-49.76267	-1.50000	0.70571
1.9080	8.97567	-48.80933	-1.50000	0.55337
2.8621	8.93950	-47.85600	-1.50000	0.40103
3.8161	8.90333	-46.90267	-1.50000	0.24869
4.7701	8.86717	-45.94933	-1.50000	0.096351
5.7241	8.83100	-44.99600	-1.50000	0.0

Structure: BS4 | Sub-structure: Sub 10

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	8.83100	-44.99600	-1.50000	0.0
0.88392	7.94767	-45.02833	-1.50000	0.050265
1.7678	7.06433	-45.06067	-1.50000	0.15652
2.6518	6.18100	-45.09300	-1.50000	0.26278

Structure: BW | Sub-structure: Sub 11

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	6.18100	-45.09300	-1.50000	0.26278
0.97923	6.27187	-44.11800	-1.50000	0.092359

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
1.9585	6.36275	-43.14300	-1.50000	0.0
2.9377	6.45363	-42.16800	-1.50000	0.0
3.9169	6.54450	-41.19300	-1.50000	0.0
4.8961	6.63537	-40.21800	-1.50000	0.0
5.8754	6.72625	-39.24300	-1.50000	0.0
6.8546	6.81713	-38.26800	-1.50000	0.0
7.8338	6.90800	-37.29300	-1.50000	0.0

Structure: BW2 | Sub-structure: Sub 12

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	6.90800	-37.29300	-1.50000	0.0
1.9061	8.81257	-37.21686	-1.50000	0.0
3.8122	10.71714	-37.14071	-1.50000	0.0
5.7183	12.62171	-37.06457	-1.50000	0.0
7.6244	14.52629	-36.98843	-1.50000	0.0
9.5305	16.43086	-36.91229	-1.50000	0.0
11.437	18.33543	-36.83614	-1.50000	0.0
13.343	20.24000	-36.76000	-1.50000	0.0

Structure: CE | Sub-structure: Sub 13

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	41.60300	-40.92000	-1.50000	0.0
1.8824	41.63788	-42.80213	-1.50000	0.0
3.7649	41.67275	-44.68425	-1.50000	0.0
5.6473	41.70763	-46.56638	-1.50000	0.0
7.5298	41.74250	-48.44850	-1.50000	0.0
9.4122	41.77737	-50.33062	-1.50000	0.0
11.295	41.81225	-52.21275	-1.50000	0.0
13.177	41.84712	-54.09488	-1.50000	0.0
15.060	41.88200	-55.97700	-1.50000	0.0

Structure: CS | Sub-structure: Sub 14

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	41.88200	-55.97700	-1.50000	0.0
1.8700	40.01362	-56.05475	-1.50000	0.0
3.7400	38.14525	-56.13250	-1.50000	0.0
5.6100	36.27687	-56.21025	-1.50000	0.0
7.4800	34.40850	-56.28800	-1.50000	0.0
9.3500	32.54012	-56.36575	-1.50000	0.0
11.220	30.67175	-56.44350	-1.50000	0.0
13.090	28.80337	-56.52125	-1.50000	0.0
14.960	26.93500	-56.59900	-1.50000	0.0

Structure: CW1 | Sub-structure: Sub 15

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	26.93500	-56.59900	-1.50000	0.0
1.0507	26.89756	-55.54900	-1.50000	0.0
2.1013	26.86011	-54.49900	-1.50000	0.0
3.1520	26.82267	-53.44900	-1.50000	0.0
4.2027	26.78522	-52.39900	-1.50000	0.0
5.2533	26.74778	-51.34900	-1.50000	0.0
6.3040	26.71033	-50.29900	-1.50000	0.0
7.3547	26.67289	-49.24900	-1.50000	0.0
8.4053	26.63544	-48.19900	-1.50000	0.0
9.4560	26.59800	-47.14900	-1.50000	0.0

Structure: CW2 | Sub-structure: Sub 16

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	26.59800	-47.14900	-1.50000	0.0
1.1614	27.75867	-47.10667	-1.50000	0.0
2.3229	28.91933	-47.06433	-1.50000	0.0
3.4843	30.08000	-47.02200	-1.50000	0.0

Structure: CW3 | Sub-structure: Sub 17

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	30.08000	-47.02200	-1.50000	0.0
0.91527	30.07425	-46.10675	-1.50000	0.0
1.8305	30.06850	-45.19150	-1.50000	0.0
2.7458	30.06275	-44.27625	-1.50000	0.0
3.6611	30.05700	-43.36100	-1.50000	0.0

Structure: CW4 | Sub-structure: Sub 18

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	30.05700	-43.36100	-1.50000	0.0
1.0107	29.04667	-43.38833	-1.50000	0.0
2.0214	28.03633	-43.41567	-1.50000	0.0
3.0321	27.02600	-43.44300	-1.50000	0.0

Structure: CW5 | Sub-structure: Sub 19

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				

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Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
0.0	27.02600	-43.44300	-1.50000	0.0
1.8987	26.95750	-41.54550	-1.50000	0.0
3.7975	26.88900	-39.64800	-1.50000	0.0
5.6962	26.82050	-37.75050	-1.50000	0.0
7.5949	26.75200	-35.85300	-1.50000	0.0
9.4937	26.68350	-33.95550	-1.50000	0.0
11.392	26.61500	-32.05800	-1.50000	0.0

Structure: V1N | Sub-structure: Sub 20

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	-0.96200	-44.71200	-2.00000	0.48928
0.88868	-0.21475	-45.19300	-2.00000	1.0709
1.7774	0.53250	-45.67400	-2.00000	1.0632
2.6660	1.27975	-46.15500	-2.00000	1.0555
3.5547	2.02700	-46.63600	-2.00000	1.0477

Structure: V1E | Sub-structure: Sub 21

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	2.02700	-46.63600	-2.00000	1.0477
1.7548	1.10033	-48.12617	-2.00000	1.4768
3.5096	0.17367	-49.61633	-2.00000	2.0251
5.2644	-0.75300	-51.10650	-2.00000	2.7806
7.0192	-1.67967	-52.59667	-2.00000	3.7377
8.7740	-2.60633	-54.08683	-2.00000	4.7971
10.529	-3.53300	-55.57700	-2.00000	5.7660

Structure: V1S | Sub-structure: Sub 22

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	-3.53300	-55.57700	-2.00000	5.7660
0.97686	-4.29075	-54.96050	-2.00000	5.7309
1.9537	-5.04850	-54.34400	-2.00000	5.6951
2.9306	-5.80625	-53.72750	-2.00000	5.6588
3.9074	-6.56400	-53.11100	-2.00000	2.5365

Structure: V1W | Sub-structure: Sub 23

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	-6.56400	-53.11100	-2.00000	2.5365
2.0192	-5.44360	-51.43120	-2.00000	2.0166
4.0383	-4.32320	-49.75140	-2.00000	1.4794
6.0575	-3.20280	-48.07160	-2.00000	1.0354
8.0767	-2.08240	-46.39180	-2.00000	0.71909
10.096	-0.96200	-44.71200	-2.00000	0.48928

Structure: V2N | Sub-structure: Sub 24

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	7.01000	-50.15700	-2.00000	1.0579
0.92896	7.79100	-50.66000	-2.00000	1.0498
1.8579	8.57200	-51.16300	-2.00000	1.0418
2.7869	9.35300	-51.66600	-2.00000	1.0337
3.7158	10.13400	-52.16900	-2.00000	1.0256

Structure: V2E | Sub-structure: Sub 25

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	10.13400	-52.16900	-2.00000	1.0256
2.0505	9.01220	-53.88540	-2.00000	1.5324
4.1010	7.89040	-55.60180	-2.00000	2.2191
6.1514	6.76860	-57.31820	-2.00000	3.1963
8.2019	5.64680	-59.03460	-2.00000	4.3991
10.252	4.52500	-60.75100	-2.00000	5.5878

Structure: V2S | Sub-structure: Sub 26

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	4.52500	-60.75100	-2.00000	5.5878
0.88618	3.77975	-60.27150	-2.00000	5.6045
1.7724	3.03450	-59.79200	-2.00000	5.6210
2.6585	2.28925	-59.31250	-2.00000	5.6374
3.5447	1.54400	-58.83300	-2.00000	5.6537

Structure: V2W | Sub-structure: Sub 27

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	1.54400	-58.83300	-2.00000	5.6537
2.0509	2.63720	-57.09780	-2.00000	4.4785
4.1017	3.73040	-55.36260	-2.00000	3.2681
6.1526	4.82360	-53.62740	-2.00000	2.2731
8.2034	5.91680	-51.89220	-2.00000	1.5694
10.254	7.01000	-50.15700	-2.00000	1.0579

Structure: V3N | Sub-structure: Sub 28

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	15.19900	-55.51400	-2.00000	0.98912
0.90451	15.96375	-55.99700	-2.00000	0.97910
1.8090	16.72850	-56.48000	-2.00000	0.96902
2.7135	17.49325	-56.96300	-2.00000	0.95889
3.6180	18.25800	-57.44600	-2.00000	0.94871

Structure: V3E | Sub-structure: Sub 29

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	18.25800	-57.44600	-2.00000	0.94871
2.0640	17.13300	-59.17640	-2.00000	1.4523
4.1279	16.00800	-60.90680	-2.00000	2.1070
6.1919	14.88300	-62.63720	-2.00000	3.0507
8.2558	13.75800	-64.36760	-2.00000	4.2417
10.320	12.63300	-66.09800	-2.00000	5.4586

Structure: V3S | Sub-structure: Sub 30

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	12.63300	-66.09800	-2.00000	5.4586
0.92309	11.86525	-65.58550	-2.00000	5.4684
1.8462	11.09750	-65.07300	-2.00000	5.4781
2.7693	10.32975	-64.56050	-2.00000	5.4878
3.6924	9.56200	-64.04800	-2.00000	5.4974

Structure: V3W | Sub-structure: Sub 31

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	9.56200	-64.04800	-2.00000	5.4974
2.0455	10.68940	-62.34120	-2.00000	4.2968
4.0911	11.81680	-60.63440	-2.00000	3.1083
6.1366	12.94420	-58.92760	-2.00000	2.1561
8.1821	14.07160	-57.22080	-2.00000	1.4906
10.228	15.19900	-55.51400	-2.00000	0.98912

Structure: V4N | Sub-structure: Sub 32

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	23.60700	-60.74600	-2.00000	0.85861
0.89340	24.34500	-61.24950	-2.00000	0.85635
1.7868	25.08300	-61.75300	-2.00000	0.85407
2.6802	25.82100	-62.25650	-2.00000	0.85180
3.5736	26.55900	-62.76000	-2.00000	0.84952

Structure: V4E | Sub-structure: Sub 33

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	26.55900	-62.76000	-2.00000	0.84952
1.7543	25.57500	-64.21233	-2.00000	1.2788
3.5086	24.59100	-65.66467	-2.00000	1.7579
5.2629	23.60700	-67.11700	-2.00000	2.4169
7.0172	22.62300	-68.56933	-2.00000	3.2919
8.7714	21.63900	-70.02167	-2.00000	4.3251
10.526	20.65500	-71.47400	-2.00000	5.3648

Structure: V4S | Sub-structure: Sub 34

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	20.65500	-71.47400	-2.00000	5.3648
0.91751	19.89600	-70.95850	-2.00000	5.3707
1.8350	19.13700	-70.44300	-2.00000	5.3766
2.7525	18.37800	-69.92750	-2.00000	5.3824
3.6700	17.61900	-69.41200	-2.00000	5.3883

Structure: V4W | Sub-structure: Sub 35

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	17.61900	-69.41200	-2.00000	5.3883
1.7556	18.61700	-67.96767	-2.00000	4.3502
3.5112	19.61500	-66.52333	-2.00000	3.3139
5.2668	20.61300	-65.07900	-2.00000	2.4338
7.0224	21.61100	-63.63467	-2.00000	1.7696
8.7780	22.60900	-62.19033	-2.00000	1.2874
10.534	23.60700	-60.74600	-2.00000	0.85861

Structure: V5N | Sub-structure: Sub 36

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	31.52800	-66.14400	-2.00000	0.83271
0.94171	32.30675	-66.67350	-2.00000	0.65831
1.8834	33.08550	-67.20300	-2.00000	0.63705
2.8251	33.86425	-67.73250	-2.00000	0.60530
3.7668	34.64300	-68.26200	-2.00000	0.57145

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Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]

Structure: V5E | Sub-structure: Sub 37

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	34.64300	-68.26200	-2.00000	0.57145
1.7455	33.66217	-69.70583	-2.00000	0.88182
3.4910	32.68133	-71.14967	-2.00000	1.1973
5.2364	31.70050	-72.59350	-2.00000	1.6043
6.9819	30.71967	-74.03733	-2.00000	2.1278
8.7274	29.73883	-75.48117	-2.00000	2.7217
10.473	28.75800	-76.92500	-2.00000	3.3469

Structure: V5S | Sub-structure: Sub 38

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	28.75800	-76.92500	-2.00000	3.3469
0.92352	27.98675	-76.41700	-2.00000	3.5915
1.8470	27.21550	-75.90900	-2.00000	3.8899
2.7706	26.44425	-75.40100	-2.00000	4.1494
3.6941	25.67300	-74.89300	-2.00000	5.3308

Structure: V5W | Sub-structure: Sub 39

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	25.67300	-74.89300	-2.00000	5.3308
1.7546	26.64883	-73.43483	-2.00000	4.2876
3.5091	27.62467	-71.97667	-2.00000	3.2579
5.2637	28.60050	-70.51850	-2.00000	2.3900
7.0183	29.57633	-69.06033	-2.00000	1.7385
8.7728	30.55217	-67.60217	-2.00000	1.2638
10.527	31.52800	-66.14400	-2.00000	0.83271

Structure: V6N | Sub-structure: Sub 40

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	39.30000	-71.42300	-2.00000	0.25111
0.90340	40.04275	-71.93725	-2.00000	0.19141
1.8068	40.78550	-72.45150	-2.00000	0.12539
2.7102	41.52825	-72.96575	-2.00000	0.053360
3.6136	42.27100	-73.48000	-2.00000	0.0

Structure: V6E | Sub-structure: Sub 41

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	42.27100	-73.48000	-2.00000	0.0
1.7406	41.28000	-74.91100	-2.00000	0.17491
3.4813	40.28900	-76.34200	-2.00000	0.37130
5.2219	39.29800	-77.77300	-2.00000	0.56333
6.9626	38.30700	-79.20400	-2.00000	0.78672
8.7032	37.31600	-80.63500	-2.00000	1.2339
10.444	36.32500	-82.06600	-2.00000	1.4795

Structure: V6S | Sub-structure: Sub 42

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	36.32500	-82.06600	-2.00000	1.4795
0.90065	35.56850	-81.57725	-2.00000	1.6957
1.8013	34.81200	-81.08850	-2.00000	1.9451
2.7019	34.05550	-80.59975	-2.00000	2.2334
3.6026	33.29900	-80.11100	-2.00000	2.5635

Structure: V6W | Sub-structure: Sub 43

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	33.29900	-80.11100	-2.00000	2.5635
1.7598	34.29917	-78.66300	-2.00000	1.6487
3.5197	35.29933	-77.21500	-2.00000	1.2881
5.2795	36.29950	-75.76700	-2.00000	0.99000
7.0394	37.29967	-74.31900	-2.00000	0.72627
8.7992	38.29983	-72.87100	-2.00000	0.46977
10.559	39.30000	-71.42300	-2.00000	0.25111

Specific Building Damage Results - All Segments

Structure: AN | Sub-structure: Sub 1

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature [m]	Damage Category
0.0	1	6.0756	4.0494	Hogging	105.92E-6	0.0024915	0.0025450	-49.841E-6	-71.256E-6	106720.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: AN1 | Sub-structure: Sub 2

Vertical Offset from Line for	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal	Max. Tensile	Maximum Gradient of	Maximum Gradient of	Min. Radius of	Damage Category

Vertical Movement Calculations		Start	Length	Curvature	Deflection	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	12.045	Hogging	0.0012251	0.0067596	0.0082630	-181.01E-6	-194.84E-6	26266.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: AE | Sub-structure: Sub 3

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.2449	Sagging	0.0	0.016444	0.016444	-164.42E-6	-130.03E-6	3168.2	0 (Negligible)
	2	1.2449	3.7591	Hogging	0.036233	-0.031933	0.027430	0.0012049	-0.0019501	4458.0	0 (Negligible)
	3	5.0040	19.171	Sagging	0.0099940	-0.0065755	0.0070041	0.0012049	-0.0019501	4122.7	0 (Negligible)
	4	24.175	3.3072	Hogging	0.043596	-0.17373	0.043176	0.0020298	-942.62E-6	5394.7	0 (Negligible)
	5	27.482	4.2999	Sagging	0.019920	0.021870	0.041277	0.0013199	-942.62E-6	4587.5	0 (Negligible)
	6	31.782	0.49162	Sagging	0.0	0.052674	0.052674	-526.46E-6	522.83E-6	14181.	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: AS | Sub-structure: Sub 4

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	3.2997	Sagging	0.010264	0.018670	0.026730	-237.97E-6	736.75E-6	3085.1	0 (Negligible)
	2	3.2997	12.890	Hogging	0.0045932	0.014853	0.020711	-251.25E-6	736.75E-6	13260.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: AW | Sub-structure: Sub 5

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: BE | Sub-structure: Sub 6

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	15.050	0.0	None	0.0	0.0	0.0	0.0	0.0	-74.797E-6	20118. 0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: BS1 | Sub-structure: Sub 7

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.8767	Sagging	0.0	0.0	0.0	0.0	-112.82E-6	2.8605E+12	0 (Negligible)
	2	1.8767	0.93837	Hogging	0.0	0.0	0.0	0.0	-112.82E-6	-	0 (Negligible)
	3	2.8151	2.8141	Sagging	0.0	0.0	0.0	0.0	-112.82E-6	143.45E+9	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: BS2 | Sub-structure: Sub 8

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	5.1444	Hogging	62.986E-6	22.944E-6	72.420E-6	0.0	-10.759E-6	530230.	0 (Negligible)
	2	5.1444	5.3667	Sagging	5.0878E-6	57.241E-6	61.548E-6	0.0	-10.759E-6	11.955E+6	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: BS3 | Sub-structure: Sub 9

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	2.8621	Hogging	553.64E-6	0.0030366	0.0031712	-91.091E-6	184.60E-6	30634.	0 (Negligible)
	2	2.8621	0.0	None	0.0	0.0	0.0	0.0	159.68E-6	-	0 (Negligible)
	3	2.8621	0.95402	Sagging	0.0	0.0	0.0	0.0	159.68E-6	64988.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: BS4 | Sub-structure: Sub 10

Vertical Offset from Line for Vertical Movement	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement	Maximum Gradient of Vertical Displacement	Min. Radius of Curvature	Damage Category

Oasys
3-6 Spring Place, London
Combined

GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)

Job No. J16143 | Sheet No. | Rev.
Drg. Ref.
Made by JD | Date 23-Aug-2016 | Checked

Calculations									Curve	Curve		
[m]		[m]	[m]		[%]	[%]	[%]				[m]	
0.0	1	1.7678	0.44146	None	0.0	0.0	0.0	0.0	-120.21E-6	55850.	0 (Negligible)	
	2	2.2093	0.44146	Sagging	0.0	0.0	0.0	0.0	-120.21E-6	55850.	0 (Negligible)	

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: BW | Sub-structure: Sub 11

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	0.0	None	0.0	0.0	0.0	0.0	174.03E-6	12874.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: BW2 | Sub-structure: Sub 12

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: CE | Sub-structure: Sub 13

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: CS | Sub-structure: Sub 14

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: CW1 | Sub-structure: Sub 15

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: CW2 | Sub-structure: Sub 16

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: CW3 | Sub-structure: Sub 17

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: CW4 | Sub-structure: Sub 18

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: CW5 | Sub-structure: Sub 19

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: V1N | Sub-structure: Sub 20

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	

Vertical Offset from Line for Vertical Movement	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
0.0	1	0.0	3.5537	Sagging	0.012397	-343.47E-6	0.012642	15.676E-6	-654.51E-6	1072.0	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: V1E | Sub-structure: Sub 21

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature [m]	Damage Category
0.0	1	0.0	8.1610	Hogging	0.0058199	0.057728	0.064433	-627.33E-6	-603.32E-6	16784.	1 (Very Slight)
	2	8.1610	2.3668	Sagging	984.43E-6	0.065644	0.066388	-666.04E-6	-603.32E-6	22224.	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: V1S | Sub-structure: Sub 22

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature [m]	Damage Category
0.0	1	0.0	3.9064	Sagging	0.058997	0.0028585	0.068891	-102.90E-6	0.0031959	247.33	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: V1W | Sub-structure: Sub 23

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature [m]	Damage Category
0.0	1	0.0	1.6411	None	0.0	0.029319	0.029319	-293.11E-6	257.43E-6	90792.	0 (Negligible)
	2	1.6411	8.4537	Hogging	0.0027079	0.026351	0.029542	-293.11E-6	265.99E-6	37553.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: V2N | Sub-structure: Sub 24

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature [m]	Damage Category
0.0	1	0.0	3.7148	Sagging	1.1259E-6	48.682E-6	49.889E-6	0.0	8.7308E-6	37.463E+6	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: V2E | Sub-structure: Sub 25

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature [m]	Damage Category
0.0	1	0.0	8.9850	Hogging	0.0061378	0.058196	0.065704	-655.36E-6	-586.24E-6	17093.	1 (Very Slight)
	2	8.9850	1.2664	Sagging	0.0	0.065579	0.065579	-655.36E-6	-579.35E-6	56836.	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: V2S | Sub-structure: Sub 26

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature [m]	Damage Category
0.0	1	0.0	3.5437	Sagging	6.0099E-6	90.846E-6	97.096E-6	0.0	-18.773E-6	7.1639E+6	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: V2W | Sub-structure: Sub 27

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature [m]	Damage Category
0.0	1	0.0	1.6021	Sagging	0.0	0.065798	0.065798	-657.55E-6	572.66E-6	43021.	1 (Very Slight)
	2	1.6021	8.6512	Hogging	0.0060966	0.058253	0.065542	-657.55E-6	589.83E-6	17028.	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: V3N | Sub-structure: Sub 28

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature [m]	Damage Category
0.0	1	0.0	3.6170	Sagging	2.8905E-6	75.550E-6	78.642E-6	0.0	11.259E-6	14.505E+6	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: V3E | Sub-structure: Sub 29

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature [m]	Damage Category
0.0	1	0.0	9.7691	Hogging	0.0062366	0.057861	0.065860	-649.55E-6	-589.22E-6	17497.	1 (Very Slight)

Vertical Offset from Line for Vertical Movement	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
	2	9.7691	0.54963	Hogging	0.0	0.064997	0.064997	-649.55E-6	-589.22E-6	144630.	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: V3S | Sub-structure: Sub 30

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature [m]	Damage Category
0.0	1	0.0	3.6914	Sagging	1.5309E-6	25.986E-6	27.645E-6	0.0	-10.548E-6	29.544E+6	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: V3W | Sub-structure: Sub 31

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature [m]	Damage Category
0.0	1	0.0	0.80226	Sagging	0.0	0.065207	0.065207	-651.64E-6	586.56E-6	95323.	1 (Very Slight)
	2	0.80226	9.4244	Hogging	0.0062058	0.058105	0.065909	-651.64E-6	586.56E-6	17213.	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: V4N | Sub-structure: Sub 32

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature [m]	Damage Category
0.0	1	0.0	3.5726	Sagging	0.0	3.3867E-6	3.6120E-6	0.0	2.5509E-6	205.86E+6	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: V4E | Sub-structure: Sub 33

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature [m]	Damage Category
0.0	1	0.0	9.7977	Hogging	0.0063799	0.056824	0.065019	-649.58E-6	-592.29E-6	16035.	1 (Very Slight)
	2	9.7977	0.72706	None	0.0	0.065000	0.065000	-649.58E-6	-592.29E-6	97970.	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: V4S | Sub-structure: Sub 34

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature [m]	Damage Category
0.0	1	0.0	3.6690	Sagging	0.0	9.0260E-6	9.5487E-6	0.0	-6.4018E-6	96.407E+6	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: V4W | Sub-structure: Sub 35

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature [m]	Damage Category
0.0	1	0.0	0.83742	None	0.0	0.065104	0.065104	-650.62E-6	590.91E-6	83868.	1 (Very Slight)
	2	0.83742	9.6951	Hogging	0.0063321	0.056846	0.064934	-650.62E-6	590.91E-6	16093.	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: V5N | Sub-structure: Sub 36

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature [m]	Damage Category
0.0	1	0.0	2.7175	Hogging	0.0035321	11.714E-6	0.0034562	-1.1502E-6	185.20E-6	4570.1	0 (Negligible)
	2	2.7175	1.0483	Sagging	20.327E-6	11.806E-6	26.000E-6	-1.1502E-6	35.942E-6	213410.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: V5E | Sub-structure: Sub 37

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature [m]	Damage Category
0.0	1	0.0	0.66594	None	0.0	0.027108	0.027108	-271.00E-6	-177.76E-6	185190.	0 (Negligible)
	2	0.66594	9.8059	Hogging	0.0032966	0.031619	0.035855	-383.25E-6	-358.10E-6	30928.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: V5S | Sub-structure: Sub 38

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature [m]	Damage Category

Vertical Offset from Line for Vertical Movement	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	3.6931	Hogging	0.018482	-0.049466	0.014779	750.79E-6	-0.0012796	733.10	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: V5W | Sub-structure: Sub 39

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	0.56092	None		0.0	0.064851	0.064851	-648.09E-6	594.16E-6	129880. 1 (Very Slight)
	2	0.56092	9.9655	Hogging	0.0064259	0.056777	0.065105	-648.09E-6	594.16E-6	16034.	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: V6N | Sub-structure: Sub 40

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.7948	Sagging	174.21E-6	0.0	167.41E-6	0.0	73.078E-6	127670.	0 (Negligible)
	2	1.7948	0.011989	None		0.0	0.0	0.0	0.0	79.738E-6	9.7212E+6 0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: V6E | Sub-structure: Sub 41

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	1.7406	5.9547	Hogging	0.0015027	0.0043880	0.0057632	-178.39E-6	-256.86E-6	42979.	0 (Negligible)
	2	7.6953	2.7475	Sagging	0.0026663	0.017656	0.019942	-178.39E-6	-256.86E-6	9840.8	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: V6S | Sub-structure: Sub 42

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	3.6016	Hogging	0.0021108	0.040259	0.041507	-409.61E-6	-366.34E-6	19145.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: V6W | Sub-structure: Sub 43

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	10.558	Hogging	0.0050054	0.016212	0.022889	-285.75E-6	519.65E-6	4577.3	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Specific Building Damage Results - Critical Values for All Segments within Each Sub-Structure

Structure: AN | Sub-structure: Sub 1

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	105.92E-6	0.0024915	-71.256E-6	0.40612	0.0025450	-49.841E-6	-71.256E-6	106720.	-	0 (Negligible)

Structure: AN1 | Sub-structure: Sub 2

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0012251	0.0067596	-194.84E-6	2.2062	0.0082630	-181.01E-6	-194.84E-6	26266.	-	0 (Negligible)

Structure: AE | Sub-structure: Sub 3

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.043596	-0.17373	-0.0019501	6.2495	0.052674	0.0020298	-0.0019501	4458.0	3168.2	1 (Very Slight)

Structure: AS | Sub-structure: Sub 4

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.010264	0.018670	736.75E-6	4.4500	0.026730	-251.25E-6	736.75E-6	13260.	3085.1	0 (Negligible)

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Vertical Offset from Line for Vertical	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: AW | Sub-structure: Sub 5

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: BE | Sub-structure: Sub 6

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	0.0	-74.797E-6	0.14064	0.0	0.0	-74.797E-6	-	-	0 (Negligible)

Structure: BS1 | Sub-structure: Sub 7

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	0.0	-112.82E-6	0.77580	0.0	0.0	-112.82E-6	-	143.45E+9	0 (Negligible)

Structure: BS2 | Sub-structure: Sub 8

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	62.986E-6	57.241E-6	-10.759E-6	0.88183	72.420E-6	0.0	-10.759E-6	530230.	11.955E+6	0 (Negligible)

Structure: BS3 | Sub-structure: Sub 9

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	553.64E-6	0.0030366	184.60E-6	0.88184	0.0031712	-91.091E-6	184.60E-6	30634.	64988.	0 (Negligible)

Structure: BS4 | Sub-structure: Sub 10

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	0.0	-120.21E-6	0.26265	0.0	0.0	-120.21E-6	-	55850.	0 (Negligible)

Structure: BW | Sub-structure: Sub 11

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	0.0	174.03E-6	0.26278	0.0	0.0	174.03E-6	-	-	0 (Negligible)

Structure: BW2 | Sub-structure: Sub 12

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: CE | Sub-structure: Sub 13

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: CS | Sub-structure: Sub 14

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: CW1 | Sub-structure: Sub 15

Vertical Offset from Line for Vertical Movement	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category

Calculations

[m]	[%]	[%]	[mm]	[%]			[m]	[m]	

Structure: CW2 | Sub-structure: Sub 16

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]	[mm]	[%]				[m]	[m]	

Structure: CW3 | Sub-structure: Sub 17

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]	[mm]	[%]				[m]	[m]	

Structure: CW4 | Sub-structure: Sub 18

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]	[mm]	[%]				[m]	[m]	

Structure: CW5 | Sub-structure: Sub 19

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]	[mm]	[%]				[m]	[m]	

Structure: V1N | Sub-structure: Sub 20

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.012397	-343.47E-6	-654.51E-6	1.0708	0.012642	15.676E-6	-654.51E-6	-	1072.0	0 (Negligible)

Structure: V1E | Sub-structure: Sub 21

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0058199	0.065644	-603.32E-6	5.7654	0.066388	-666.04E-6	-603.32E-6	16784.	22224.	1 (Very Slight)

Structure: V1S | Sub-structure: Sub 22

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.058997	0.0028585	0.0031959	5.7660	0.068891	-102.90E-6	0.0031959	-	247.33	1 (Very Slight)

Structure: V1W | Sub-structure: Sub 23

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0027079	0.029319	265.99E-6	2.5365	0.029542	-293.11E-6	265.99E-6	37553.	-	0 (Negligible)

Structure: V2N | Sub-structure: Sub 24

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	1.1259E-6	48.682E-6	8.7308E-6	1.0579	49.889E-6	0.0	8.7308E-6	-	37.463E+6	0 (Negligible)

Structure: V2E | Sub-structure: Sub 25

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0061378	0.065579	-586.24E-6	5.5873	0.065704	-655.36E-6	-586.24E-6	17093.	56836.	1 (Very Slight)

Structure: V2S | Sub-structure: Sub 26

Vertical Offset from Line for	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal	Maximum Gradient of Vertical	Min. Radius of Curvature	Min. Radius of Curvature	Damage Category

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Vertical Movement Calculations						Displacement Curve	Displacement Curve	(Hogging)	(Sagging)	
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	6.0099E-6	90.846E-6	-18.773E-6	5.6537	97.096E-6	0.0	-18.773E-6	-	7.1639E+6	0 (Negligible)

Structure: V2W | Sub-structure: Sub 27

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0060966	0.065798	589.83E-6	5.6537	0.065798	-657.55E-6	589.83E-6	17028.	43021.	1 (Very Slight)

Structure: V3N | Sub-structure: Sub 28

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	2.8905E-6	75.550E-6	11.259E-6	0.98912	78.642E-6	0.0	11.259E-6	-	14.505E+6	0 (Negligible)

Structure: V3E | Sub-structure: Sub 29

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0062366	0.064997	-589.22E-6	5.4580	0.065860	-649.55E-6	-589.22E-6	17497.	-	1 (Very Slight)

Structure: V3S | Sub-structure: Sub 30

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	1.5309E-6	25.986E-6	-10.548E-6	5.4974	27.645E-6	0.0	-10.548E-6	-	29.544E+6	0 (Negligible)

Structure: V3W | Sub-structure: Sub 31

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0062058	0.065207	586.56E-6	5.4974	0.065909	-651.64E-6	586.56E-6	17213.	95323.	1 (Very Slight)

Structure: V4N | Sub-structure: Sub 32

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	3.3867E-6	2.5509E-6	0.85861	3.6120E-6	0.0	2.5509E-6	-	205.86E+6	0 (Negligible)

Structure: V4E | Sub-structure: Sub 33

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0063799	0.065000	-592.29E-6	5.3643	0.065019	-649.58E-6	-592.29E-6	16035.	-	1 (Very Slight)

Structure: V4S | Sub-structure: Sub 34

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	9.0260E-6	-6.4018E-6	5.3883	9.5487E-6	0.0	-6.4018E-6	-	96.407E+6	0 (Negligible)

Structure: V4W | Sub-structure: Sub 35

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0063321	0.065104	590.91E-6	5.3883	0.065104	-650.62E-6	590.91E-6	16093.	-	1 (Very Slight)

Structure: V5N | Sub-structure: Sub 36

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0035321	11.806E-6	185.20E-6	0.83271	0.0034562	-1.1502E-6	185.20E-6	4570.1	213410.	0 (Negligible)

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
Structure: V5E | Sub-structure: Sub 37										
0.0	0.0032966	0.031619	-358.10E-6	3.3465	0.035855	-383.25E-6	-358.10E-6	30928.	-	0 (Negligible)
Structure: V5S | Sub-structure: Sub 38										
0.0	0.018482	-0.049466	-0.0012796	5.3295	0.014779	750.79E-6	-0.0012796	733.10	-	0 (Negligible)
Structure: V5W | Sub-structure: Sub 39										
0.0	0.0064259	0.064851	594.16E-6	5.3308	0.065105	-648.09E-6	594.16E-6	16034.	-	1 (Very Slight)
Structure: V6N | Sub-structure: Sub 40										
0.0	174.21E-6	0.0	79.738E-6	0.25111	167.41E-6	0.0	79.738E-6	-	127670.	0 (Negligible)
Structure: V6E | Sub-structure: Sub 41										
0.0	0.0026663	0.017656	-256.86E-6	1.4793	0.019942	-178.39E-6	-256.86E-6	42979.	9840.8	0 (Negligible)
Structure: V6S | Sub-structure: Sub 42										
0.0	0.0021108	0.040259	-366.34E-6	2.5631	0.041507	-409.61E-6	-366.34E-6	19145.	-	0 (Negligible)
Structure: V6W | Sub-structure: Sub 43										
0.0	0.0050054	0.016212	519.65E-6	2.5635	0.022889	-285.75E-6	519.65E-6	4577.3	-	0 (Negligible)

Specific Building Damage Results - Critical Segments within Each Structure

Structure Name	Parameter	Critical Sub-Structure	Critical Segment	Start	End	Curvature	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
				[m]	[m]			[mm]	[%]	[m]	[m]	
AN	Maximum Slope	Sub 1	1	6.0756	10.125	Hogging	**71.256E-6**	0.40612	0.0025450	106720.	-	0 (Negligible)
	Maximum Settlement	Sub 1	1	6.0756	10.125	Hogging	71.256E-6	**0.40612**	0.0025450	106720.	-	0 (Negligible)
	Max. Tensile Strain	Sub 1	1	6.0756	10.125	Hogging	71.256E-6	0.40612	**0.0025450**	106720.	-	0 (Negligible)
	Min. Radius of Curvature (Hogging)	Sub 1	1	6.0756	10.125	Hogging	71.256E-6	0.40612	0.0025450	**106720.**	-	0 (Negligible)
	Min. Radius of Curvature (Sagging)		-	-	-	-	-	-	-	-	-	-
AN1	Maximum Slope	Sub 2	1	0.0	12.045	Hogging	**194.84E-6**	2.0062	0.0082630	26266.	-	0 (Negligible)
	Maximum Settlement	Sub 2	1	0.0	12.045	Hogging	194.84E-6	**2.0062**	0.0082630	26266.	-	0 (Negligible)
	Max. Tensile Strain	Sub 2	1	0.0	12.045	Hogging	194.84E-6	2.0062	**0.0082630**	26266.	-	0 (Negligible)
	Min. Radius of Curvature (Hogging)	Sub 2	1	0.0	12.045	Hogging	194.84E-6	2.0062	0.0082630	**26266.**	-	0 (Negligible)
	Min. Radius of Curvature (Sagging)		-	-	-	-	-	-	-	-	-	-
AE	Maximum Slope	Sub 3	2	1.2449	5.0040	Hogging	**0.0019501**	4.1759	0.027430	4458.0	-	0 (Negligible)
	Maximum Settlement	Sub 3	5	27.482	31.782	Sagging	942.62E-6	**6.2495**	0.041277	-	4587.5	0 (Negligible)
	Max. Tensile Strain	Sub 3	6	31.782	32.274	Sagging	522.83E-6	4.7077	**0.052674**	-	14181.	1 (Very Slight)
	Min. Radius of Curvature (Hogging)	Sub 3	2	1.2449	5.0040	Hogging	0.0019501	4.1759	0.027430	**4458.0**	-	0 (Negligible)
	Min. Radius of Curvature (Sagging)	Sub 3	1	0.0	1.2449	Sagging	130.03E-6	2.1683	0.016444	-	**3168.2**	0 (Negligible)
AS	Maximum Slope	Sub 4	1	0.0	3.2997	Sagging	**736.75E-6**	4.4500	0.026730	-	3085.1	0 (Negligible)

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Drg. Ref.		
Made by JD	Date 23-Aug-2016	Checked

Structure Name	Parameter	Critical Sub-Structure	Critical Segment	Start	End	Curvature	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
	Maximum Settlement	Sub 4	1	0.0	3.2997	Sagging	736.75E-6	**4.4500**	0.026730	-	3085.1	0 (Negligible)
	Max. Tensile Strain	Sub 4	1	0.0	3.2997	Sagging	736.75E-6	4.4500	**0.026730**	-	3085.1	0 (Negligible)
	Min. Radius of Curvature (Hogging)	Sub 4	2	3.2997	16.189	Hogging	736.75E-6	2.9010	0.020711	**13260.**	-	0 (Negligible)
	Min. Radius of Curvature (Sagging)	Sub 4	1	0.0	3.2997	Sagging	736.75E-6	4.4500	0.026730	-	**3085.1**	0 (Negligible)
AW	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
BE	Maximum Slope	Sub 6	1	15.050	15.050	Sagging	**74.797E-6**	0.14064	0.0	-	20118.	0 (Negligible)
	Maximum Settlement	Sub 6	1	15.050	15.050	Sagging	74.797E-6	**0.14064**	0.0	-	20118.	0 (Negligible)
	Max. Tensile Strain	Sub 6	1	15.050	15.050	Sagging	74.797E-6	0.14064	**0.0**	-	20118.	0 (Negligible)
	Min. Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min. Radius of Curvature (Sagging)		-	-	-	-	-	-	-	-	-	-
BS1	Maximum Slope	Sub 7	2	1.8767	2.8151	Hogging	**112.82E-6**	0.45832	0.0	-	-	0 (Negligible)
	Maximum Settlement	Sub 7	3	2.8151	5.6292	Sagging	112.82E-6	**0.77580**	0.0	-	143.45E+9	0 (Negligible)
	Max. Tensile Strain	Sub 7	1	0.0	1.8767	Sagging	112.82E-6	0.35245	**0.0**	-	2.8605E+12	0 (Negligible)
	Min. Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min. Radius of Curvature (Sagging)	Sub 7	3	2.8151	5.6292	Sagging	112.82E-6	0.77580	0.0	-	**143.45E+9**	0 (Negligible)
BS2	Maximum Slope	Sub 8	1	0.0	5.1444	Hogging	**10.759E-6**	0.82566	72.420E-6	530230.	-	0 (Negligible)
	Maximum Settlement	Sub 8	2	5.1444	10.511	Sagging	10.759E-6	**0.88183**	61.548E-6	-	11.955E+6	0 (Negligible)
	Max. Tensile Strain	Sub 8	1	0.0	5.1444	Hogging	10.759E-6	0.82566	**72.420E-6**	530230.	-	0 (Negligible)
	Min. Radius of Curvature (Hogging)	Sub 8	1	0.0	5.1444	Hogging	10.759E-6	0.82566	72.420E-6	**530230.**	-	0 (Negligible)
	Min. Radius of Curvature (Sagging)	Sub 8	2	5.1444	10.511	Sagging	10.759E-6	0.88183	61.548E-6	-	**11.955E+6**	0 (Negligible)
BS3	Maximum Slope	Sub 9	1	0.0	2.8621	Hogging	**184.60E-6**	0.88184	0.0031712	30634.	-	0 (Negligible)
	Maximum Settlement	Sub 9	1	0.0	2.8621	Hogging	184.60E-6	**0.88184**	0.0031712	30634.	-	0 (Negligible)
	Max. Tensile Strain	Sub 9	1	0.0	2.8621	Hogging	184.60E-6	0.88184	**0.0031712**	30634.	-	0 (Negligible)
	Min. Radius of Curvature (Hogging)	Sub 9	1	0.0	2.8621	Hogging	184.60E-6	0.88184	0.0031712	**30634.**	-	0 (Negligible)
	Min. Radius of Curvature (Sagging)	Sub 9	3	2.8621	3.8161	Sagging	159.68E-6	0.40103	0.0	-	**64988.**	0 (Negligible)
BS4	Maximum Slope	Sub 10	1	1.7678	2.2093	Sagging	**120.21E-6**	0.20959	0.0	-	55850.	0 (Negligible)
	Maximum Settlement	Sub 10	2	2.2093	2.6508	Sagging	120.21E-6	**0.26265**	0.0	-	55850.	0 (Negligible)
	Max. Tensile Strain	Sub 10	1	1.7678	2.2093	Sagging	120.21E-6	0.20959	**0.0**	-	55850.	0 (Negligible)
	Min. Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min. Radius of Curvature (Sagging)	Sub 10	2	2.2093	2.6508	Sagging	120.21E-6	0.26265	0.0	-	**55850.**	0 (Negligible)
BW	Maximum Slope	Sub 11	1	0.0	0.0	Sagging	**174.03E-6**	0.26278	0.0	-	12874.	0 (Negligible)
	Maximum Settlement	Sub 11	1	0.0	0.0	Sagging	174.03E-6	**0.26278**	0.0	-	12874.	0 (Negligible)
	Max. Tensile Strain	Sub 11	1	0.0	0.0	Sagging	174.03E-6	0.26278	**0.0**	-	12874.	0 (Negligible)
	Min. Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min. Radius of Curvature (Sagging)		-	-	-	-	-	-	-	-	-	-
BW2	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
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	All settlements are less than the Settlement Trough Limit Sensitivity.											
CE	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
CS	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
CW1	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
CW2	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
CW3	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
CW4	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
CW5	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
V1N	Maximum Slope	Sub 20	1	0.0	3.5537	Sagging	**654.51E-6**	1.0708	0.012642	-	1072.0	0 (Negligible)
	Maximum Settlement	Sub 20	1	0.0	3.5537	Sagging	654.51E-6	**1.0708**	0.012642	-	1072.0	0 (Negligible)
	Max. Tensile Strain	Sub 20	1	0.0	3.5537	Sagging	654.51E-6	1.0708	**0.012642**	-	1072.0	0 (Negligible)
	Min. Radius of Curvature		-	-	-	-	-	-	-	-	-	-

Structure Name	Parameter	Critical Sub-Structure	Critical Segment	Start	End	Curvature	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
	(Hogging)											
	Min. Radius of Curvature (Sagging)	Sub 20	1	0.0	3.5537	Sagging	654.51E-6	1.0708	0.012642	-	**1072.0**	0 (Negligible)
V1E	Maximum Slope	Sub 21	1	0.0	8.1610	Hogging	**603.32E-6**	4.4270	0.064433	16784.	-	1 (Very Slight)
	Maximum Settlement	Sub 21	2	8.1610	10.528	Sagging	603.32E-6	**5.7654**	0.066388	-	22224.	1 (Very Slight)
	Max. Tensile Strain	Sub 21	2	8.1610	10.528	Sagging	603.32E-6	5.7654	**0.066388**	-	22224.	1 (Very Slight)
	Min. Radius of Curvature (Hogging)	Sub 21	1	0.0	8.1610	Hogging	603.32E-6	4.4270	0.064433	**16784.**	-	1 (Very Slight)
	Min. Radius of Curvature (Sagging)	Sub 21	2	8.1610	10.528	Sagging	603.32E-6	5.7654	0.066388	-	**22224.**	1 (Very Slight)
V1S	Maximum Slope	Sub 22	1	0.0	3.9064	Sagging	**0.0031959**	5.7660	0.068891	-	247.33	1 (Very Slight)
	Maximum Settlement	Sub 22	1	0.0	3.9064	Sagging	0.0031959	**5.7660**	0.068891	-	247.33	1 (Very Slight)
	Max. Tensile Strain	Sub 22	1	0.0	3.9064	Sagging	0.0031959	5.7660	**0.068891**	-	247.33	1 (Very Slight)
	Min. Radius of Curvature (Hogging)		-	-	- -		-	-	-	-	- -	
	Min. Radius of Curvature (Sagging)	Sub 22	1	0.0	3.9064	Sagging	0.0031959	5.7660	0.068891	-	**247.33**	1 (Very Slight)
V1W	Maximum Slope	Sub 23	2	1.6411	10.095	Hogging	**265.99E-6**	2.1139	0.029542	37553.	-	0 (Negligible)
	Maximum Settlement	Sub 23	1	0.0	1.6411	Sagging	257.43E-6	**2.5365**	0.029319	-	90792.	0 (Negligible)
	Max. Tensile Strain	Sub 23	2	1.6411	10.095	Hogging	265.99E-6	2.1139	**0.029542**	37553.	-	0 (Negligible)
	Min. Radius of Curvature (Hogging)	Sub 23	2	1.6411	10.095	Hogging	265.99E-6	2.1139	0.029542	**37553.**	-	0 (Negligible)
	Min. Radius of Curvature (Sagging)		-	-	- -		-	-	-	-	- -	
V2N	Maximum Slope	Sub 24	1	0.0	3.7148	Sagging	**8.7308E-6**	1.0579	49.889E-6	-	37.463E+6	0 (Negligible)
	Maximum Settlement	Sub 24	1	0.0	3.7148	Sagging	8.7308E-6	**1.0579**	49.889E-6	-	37.463E+6	0 (Negligible)
	Max. Tensile Strain	Sub 24	1	0.0	3.7148	Sagging	8.7308E-6	1.0579	**49.889E-6**	-	37.463E+6	0 (Negligible)
	Min. Radius of Curvature (Hogging)		-	-	- -		-	-	-	-	- -	
	Min. Radius of Curvature (Sagging)	Sub 24	1	0.0	3.7148	Sagging	8.7308E-6	1.0579	49.889E-6	-	**37.463E+6**	0 (Negligible)
V2E	Maximum Slope	Sub 25	1	0.0	8.9850	Hogging	**586.24E-6**	4.8531	0.065704	17093.	-	1 (Very Slight)
	Maximum Settlement	Sub 25	2	8.9850	10.251	Sagging	579.35E-6	**5.5873**	0.065579	-	56836.	1 (Very Slight)
	Max. Tensile Strain	Sub 25	1	0.0	8.9850	Hogging	586.24E-6	4.8531	**0.065704**	17093.	-	1 (Very Slight)
	Min. Radius of Curvature (Hogging)	Sub 25	1	0.0	8.9850	Hogging	586.24E-6	4.8531	0.065704	**17093.**	-	1 (Very Slight)
	Min. Radius of Curvature (Sagging)	Sub 25	2	8.9850	10.251	Sagging	579.35E-6	5.5873	0.065579	-	**56836.**	1 (Very Slight)
V2S	Maximum Slope	Sub 26	1	0.0	3.5437	Sagging	**18.773E-6**	5.6537	97.096E-6	-	7.1639E+6	0 (Negligible)
	Maximum Settlement	Sub 26	1	0.0	3.5437	Sagging	18.773E-6	**5.6537**	97.096E-6	-	7.1639E+6	0 (Negligible)
	Max. Tensile Strain	Sub 26	1	0.0	3.5437	Sagging	18.773E-6	5.6537	**97.096E-6**	-	7.1639E+6	0 (Negligible)
	Min. Radius of Curvature (Hogging)		-	-	- -		-	-	-	-	- -	
	Min. Radius of Curvature (Sagging)	Sub 26	1	0.0	3.5437	Sagging	18.773E-6	5.6537	97.096E-6	-	**7.1639E+6**	0 (Negligible)
V2W	Maximum Slope	Sub 27	2	1.6021	10.253	Hogging	**589.83E-6**	4.7357	0.065542	17028.	-	1 (Very Slight)
	Maximum Settlement	Sub 27	1	0.0	1.6021	Sagging	572.66E-6	**5.6537**	0.065798	-	43021.	1 (Very Slight)
	Max. Tensile Strain	Sub 27	1	0.0	1.6021	Sagging	572.66E-6	5.6537	**0.065798**	-	43021.	1 (Very Slight)
	Min. Radius of Curvature (Hogging)	Sub 27	2	1.6021	10.253	Hogging	589.83E-6	4.7357	0.065542	**17028.**	-	1 (Very Slight)
	Min. Radius of Curvature (Sagging)	Sub 27	1	0.0	1.6021	Sagging	572.66E-6	5.6537	0.065798	-	**43021.**	1 (Very Slight)
V3N	Maximum Slope	Sub 28	1	0.0	3.6170	Sagging	**11.259E-6**	0.98912	78.642E-6	-	14.505E+6	0 (Negligible)
	Maximum Settlement	Sub 28	1	0.0	3.6170	Sagging	11.259E-6	**0.98912**	78.642E-6	-	14.505E+6	0 (Negligible)
	Max. Tensile Strain	Sub 28	1	0.0	3.6170	Sagging	11.259E-6	0.98912	**78.642E-6**	-	14.505E+6	0 (Negligible)
	Min. Radius of Curvature (Hogging)		-	-	- -		-	-	-	-	- -	
	Min. Radius of Curvature (Sagging)	Sub 28	1	0.0	3.6170	Sagging	11.259E-6	0.98912	78.642E-6	-	**14.505E+6**	0 (Negligible)
V3E	Maximum Slope	Sub 29	1	0.0	9.7691	Hogging	**589.22E-6**	5.1340	0.065860	17497.	-	1 (Very Slight)
	Maximum Settlement	Sub 29	2	9.7691	10.319	Hogging	589.22E-6	**5.4580**	0.064997	144630.	-	1 (Very Slight)
	Max. Tensile Strain	Sub 29	1	0.0	9.7691	Hogging	589.22E-6	5.1340	**0.065860**	17497.	-	1 (Very Slight)
	Min. Radius of Curvature (Hogging)	Sub 29	1	0.0	9.7691	Hogging	589.22E-6	5.1340	0.065860	**17497.**	-	1 (Very Slight)
	Min. Radius of Curvature (Sagging)		-	-	- -		-	-	-	-	- -	
V3S	Maximum Slope	Sub 30	1	0.0	3.6914	Sagging	**10.548E-6**	5.4974	27.645E-6	-	29.544E+6	0 (Negligible)
	Maximum Settlement	Sub 30	1	0.0	3.6914	Sagging	10.548E-6	**5.4974**	27.645E-6	-	29.544E+6	0 (Negligible)
	Max. Tensile Strain	Sub 30	1	0.0	3.6914	Sagging	10.548E-6	5.4974	**27.645E-6**	-	29.544E+6	0 (Negligible)
	Min. Radius of Curvature (Hogging)		-	-	- -		-	-	-	-	- -	
	Min. Radius of Curvature (Sagging)	Sub 30	1	0.0	3.6914	Sagging	10.548E-6	5.4974	27.645E-6	-	**29.544E+6**	0 (Negligible)
V3W	Maximum Slope	Sub 31	1	0.0	0.80226	Sagging	**586.56E-6**	5.4974	0.065207	-	95323.	1 (Very Slight)
	Maximum Settlement	Sub 31	1	0.0	0.80226	Sagging	586.56E-6	**5.4974**	0.065207	-	95323.	1 (Very Slight)
	Max. Tensile Strain	Sub 31	2	0.80226	10.227	Hogging	586.56E-6	5.0265	**0.065909**	17213.	-	1 (Very Slight)
	Min. Radius of Curvature (Hogging)	Sub 31	2	0.80226	10.227	Hogging	586.56E-6	5.0265	0.065909	**17213.**	-	1 (Very Slight)
	Min. Radius of Curvature (Sagging)	Sub 31	1	0.0	0.80226	Sagging	586.56E-6	5.4974	0.065207	-	**95323.**	1 (Very Slight)
V4N	Maximum Slope	Sub 32	1	0.0	3.5726	Sagging	**2.5509E-6**	0.85861	3.6120E-6	-	205.86E+6	0 (Negligible)

Structure Name	Parameter	Critical Sub-Structure	Critical Segment	Start	End	Curvature	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
	Maximum Settlement	Sub 32	1	0.0	3.5726	Sagging	2.5509E-6	**0.85861**	3.6120E-6	-	205.86E+6	0 (Negligible)
	Max. Tensile Strain	Sub 32	1	0.0	3.5726	Sagging	2.5509E-6	0.85861	**3.6120E-6**	-	205.86E+6	0 (Negligible)
	Min. Radius of Curvature (Hogging)		-	-	- -		-	-	-	-	- -	
	Min. Radius of Curvature (Sagging)	Sub 32	1	0.0	3.5726	Sagging	2.5509E-6	0.85861	3.6120E-6	-	**205.86E+6**	0 (Negligible)
V4E	Maximum Slope	Sub 33	1	0.0	9.7977	Hogging	**592.29E-6**	4.9333	0.065019	16035.	-	1 (Very Slight)
	Maximum Settlement	Sub 33	2	9.7977	10.525	Sagging	592.29E-6	**5.3643**	0.065000	-	97970.	1 (Very Slight)
	Max. Tensile Strain	Sub 33	1	0.0	9.7977	Hogging	592.29E-6	4.9333	**0.065019**	16035.	-	1 (Very Slight)
	Min. Radius of Curvature (Hogging)	Sub 33	1	0.0	9.7977	Hogging	592.29E-6	4.9333	0.065019	**16035.**	-	1 (Very Slight)
	Min. Radius of Curvature (Sagging)		-	-	- -		-	-	-	-	- -	
V4S	Maximum Slope	Sub 34	1	0.0	3.6690	Sagging	**6.4018E-6**	5.3883	9.5487E-6	-	96.407E+6	0 (Negligible)
	Maximum Settlement	Sub 34	1	0.0	3.6690	Sagging	6.4018E-6	**5.3883**	9.5487E-6	-	96.407E+6	0 (Negligible)
	Max. Tensile Strain	Sub 34	1	0.0	3.6690	Sagging	6.4018E-6	5.3883	**9.5487E-6**	-	96.407E+6	0 (Negligible)
	Min. Radius of Curvature (Hogging)		-	-	- -		-	-	-	-	- -	
	Min. Radius of Curvature (Sagging)	Sub 34	1	0.0	3.6690	Sagging	6.4018E-6	5.3883	9.5487E-6	-	**96.407E+6**	0 (Negligible)
V4W	Maximum Slope	Sub 35	1	0.0	0.83742	Sagging	**590.91E-6**	5.3883	0.065104	-	83868.	1 (Very Slight)
	Maximum Settlement	Sub 35	1	0.0	0.83742	Sagging	590.91E-6	**5.3883**	0.065104	-	83868.	1 (Very Slight)
	Max. Tensile Strain	Sub 35	1	0.0	0.83742	Sagging	590.91E-6	5.3883	**0.065104**	-	83868.	1 (Very Slight)
	Min. Radius of Curvature (Hogging)	Sub 35	2	0.83742	10.533	Hogging	590.91E-6	4.8931	0.064934	**16093.**	-	1 (Very Slight)
	Min. Radius of Curvature (Sagging)		-	-	- -		-	-	-	-	- -	
V5N	Maximum Slope	Sub 36	1	0.0	2.7175	Hogging	**185.20E-6**	0.83271	0.0034562	4570.1	-	0 (Negligible)
	Maximum Settlement	Sub 36	1	0.0	2.7175	Hogging	185.20E-6	**0.83271**	0.0034562	4570.1	-	0 (Negligible)
	Max. Tensile Strain	Sub 36	1	0.0	2.7175	Hogging	185.20E-6	0.83271	**0.0034562**	4570.1	-	0 (Negligible)
	Min. Radius of Curvature (Hogging)	Sub 36	1	0.0	2.7175	Hogging	185.20E-6	0.83271	0.0034562	**4570.1**	-	0 (Negligible)
	Min. Radius of Curvature (Sagging)	Sub 36	2	2.7175	3.7658	Sagging	35.942E-6	0.60893	26.000E-6	-	**213410.**	0 (Negligible)
V5E	Maximum Slope	Sub 37	2	0.66594	10.472	Hogging	**358.10E-6**	3.3465	0.035855	30928.	-	0 (Negligible)
	Maximum Settlement	Sub 37	2	0.66594	10.472	Hogging	358.10E-6	**3.3465**	0.035855	30928.	-	0 (Negligible)
	Max. Tensile Strain	Sub 37	2	0.66594	10.472	Hogging	358.10E-6	3.3465	**0.035855**	30928.	-	0 (Negligible)
	Min. Radius of Curvature (Hogging)	Sub 37	2	0.66594	10.472	Hogging	358.10E-6	3.3465	0.035855	**30928.**	-	0 (Negligible)
	Min. Radius of Curvature (Sagging)		-	-	- -		-	-	-	-	- -	
V5S	Maximum Slope	Sub 38	1	0.0	3.6931	Hogging	**0.0012796**	5.3295	0.014779	733.10	-	0 (Negligible)
	Maximum Settlement	Sub 38	1	0.0	3.6931	Hogging	0.0012796	**5.3295**	0.014779	733.10	-	0 (Negligible)
	Max. Tensile Strain	Sub 38	1	0.0	3.6931	Hogging	0.0012796	5.3295	**0.014779**	733.10	-	0 (Negligible)
	Min. Radius of Curvature (Hogging)	Sub 38	1	0.0	3.6931	Hogging	0.0012796	5.3295	0.014779	**733.10**	-	0 (Negligible)
	Min. Radius of Curvature (Sagging)		-	-	- -		-	-	-	-	- -	
V5W	Maximum Slope	Sub 39	1	0.0	0.56092	Sagging	**594.16E-6**	5.3308	0.064851	-	129880.	1 (Very Slight)
	Maximum Settlement	Sub 39	1	0.0	0.56092	Sagging	594.16E-6	**5.3308**	0.064851	-	129880.	1 (Very Slight)
	Max. Tensile Strain	Sub 39	2	0.56092	10.526	Hogging	594.16E-6	4.9973	**0.065105**	16034.	-	1 (Very Slight)
	Min. Radius of Curvature (Hogging)	Sub 39	2	0.56092	10.526	Hogging	594.16E-6	4.9973	0.065105	**16034.**	-	1 (Very Slight)
	Min. Radius of Curvature (Sagging)		-	-	- -		-	-	-	-	- -	
V6N	Maximum Slope	Sub 40	2	1.7948	1.8068	Sagging	**79.738E-6**	0.12627	0.0	-	9.7212E+6	0 (Negligible)
	Maximum Settlement	Sub 40	1	0.0	1.7948	Sagging	73.078E-6	**0.25111**	167.41E-6	-	127670.	0 (Negligible)
	Max. Tensile Strain	Sub 40	1	0.0	1.7948	Sagging	73.078E-6	0.25111	**167.41E-6**	-	127670.	0 (Negligible)
	Min. Radius of Curvature (Hogging)		-	-	- -		-	-	-	-	- -	
	Min. Radius of Curvature (Sagging)	Sub 40	1	0.0	1.7948	Sagging	73.078E-6	0.25111	167.41E-6	-	**127670.**	0 (Negligible)
V6E	Maximum Slope	Sub 41	1	1.7406	7.6953	Hogging	**256.86E-6**	0.97497	0.0057632	42979.	-	0 (Negligible)
	Maximum Settlement	Sub 41	2	7.6953	10.443	Sagging	256.86E-6	**1.4793**	0.019942	-	9840.8	0 (Negligible)
	Max. Tensile Strain	Sub 41	2	7.6953	10.443	Sagging	256.86E-6	1.4793	**0.019942**	-	9840.8	0 (Negligible)
	Min. Radius of Curvature (Hogging)	Sub 41	1	1.7406	7.6953	Hogging	256.86E-6	0.97497	0.0057632	**42979.**	-	0 (Negligible)
	Min. Radius of Curvature (Sagging)	Sub 41	2	7.6953	10.443	Sagging	256.86E-6	1.4793	0.019942	-	**9840.8**	0 (Negligible)
V6S	Maximum Slope	Sub 42	1	0.0	3.6016	Hogging	**366.34E-6**	2.5631	0.041507	19145.	-	0 (Negligible)
	Maximum Settlement	Sub 42	1	0.0	3.6016	Hogging	366.34E-6	**2.5631**	0.041507	19145.	-	0 (Negligible)
	Max. Tensile Strain	Sub 42	1	0.0	3.6016	Hogging	366.34E-6	2.5631	**0.041507**	19145.	-	0 (Negligible)
	Min. Radius of Curvature (Hogging)	Sub 42	1	0.0	3.6016	Hogging	366.34E-6	2.5631	0.041507	**19145.**	-	0 (Negligible)
	Min. Radius of Curvature (Sagging)		-	-	- -		-	-	-	-	- -	
V6W	Maximum Slope	Sub 43	1	0.0	10.558	Hogging	**519.65E-6**	2.5635	0.022889	4577.3	-	0 (Negligible)
	Maximum Settlement	Sub 43	1	0.0	10.558	Hogging	519.65E-6	**2.5635**	0.022889	4577.3	-	0 (Negligible)
	Max. Tensile Strain	Sub 43	1	0.0	10.558	Hogging	519.65E-6	2.5635	**0.022889**	4577.3	-	0 (Negligible)
	Min. Radius of Curvature	Sub 43	1	0.0	10.558	Hogging	519.65E-6	2.5635	0.022889	**4577.3**	-	0 (Negligible)

Structure Name	Parameter	Critical Sub-Structure	Critical Segment	Start	End	Curvature	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
	(Hogging) Min. Radius of Curvature (Sagging)	-	-	-	-	-	-	-	-	-	-	-

Specific Building Damage Results - All Combined Segments

Structure: AN | Sub-structure: Sub 1

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: AN1 | Sub-structure: Sub 2

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: AE | Sub-structure: Sub 3

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: AS | Sub-structure: Sub 4

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: AW | Sub-structure: Sub 5

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: BE | Sub-structure: Sub 6

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: BS1 | Sub-structure: Sub 7

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: BS2 | Sub-structure: Sub 8

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: BS3 | Sub-structure: Sub 9

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: BS4 | Sub-structure: Sub 10

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

Oasys
3-6 Spring Place, London
Combined

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Job No. J16143 | Sheet No. | Rev.
Drg. Ref.
Made by JD | Date 23-Aug-2016 | Checked

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: BW | Sub-structure: Sub 11

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: BW2 | Sub-structure: Sub 12

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: CE | Sub-structure: Sub 13

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: CS | Sub-structure: Sub 14

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: CW1 | Sub-structure: Sub 15

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: CW2 | Sub-structure: Sub 16

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: CW3 | Sub-structure: Sub 17

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: CW4 | Sub-structure: Sub 18

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: CW5 | Sub-structure: Sub 19

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: V1N | Sub-structure: Sub 20

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: V1E | Sub-structure: Sub 21

Vertical	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average	Max.	Damage Category

Offset from Line for Vertical Movement Calculations	Segment	Ratio	Horizontal Strain	Tensile Strain
[m]	[m] [m]	[%]	[%]	[%]

No structures have segments combined.

Structure: V1S | Sub-structure: Sub 22

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]	[m] [m]			[%]	[%]	[%]	

No structures have segments combined.

Structure: V1W | Sub-structure: Sub 23

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]	[m] [m]			[%]	[%]	[%]	

No structures have segments combined.

Structure: V2N | Sub-structure: Sub 24

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]	[m] [m]			[%]	[%]	[%]	

No structures have segments combined.

Structure: V2E | Sub-structure: Sub 25

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]	[m] [m]			[%]	[%]	[%]	

No structures have segments combined.

Structure: V2S | Sub-structure: Sub 26

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]	[m] [m]			[%]	[%]	[%]	

No structures have segments combined.

Structure: V2W | Sub-structure: Sub 27

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]	[m] [m]			[%]	[%]	[%]	

No structures have segments combined.

Structure: V3N | Sub-structure: Sub 28

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]	[m] [m]			[%]	[%]	[%]	

No structures have segments combined.

Structure: V3E | Sub-structure: Sub 29

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]	[m] [m]			[%]	[%]	[%]	

No structures have segments combined.

Structure: V3S | Sub-structure: Sub 30

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]	[m] [m]			[%]	[%]	[%]	

No structures have segments combined.

Structure: V3W | Sub-structure: Sub 31

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category

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Drg. Ref.
Made by JD | Date 23-Aug-2016 | Checked

Offset from Line for Vertical Movement Calculations	Segment	Ratio	Horizontal Strain	Tensile Strain
[m]	[m] [m]	[%]	[%]	[%]

No structures have segments combined.

Structure: V4N | Sub-structure: Sub 32

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]	[m] [m]			[%]	[%]	[%]	

No structures have segments combined.

Structure: V4E | Sub-structure: Sub 33

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]	[m] [m]			[%]	[%]	[%]	

No structures have segments combined.

Structure: V4S | Sub-structure: Sub 34

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]	[m] [m]			[%]	[%]	[%]	

No structures have segments combined.

Structure: V4W | Sub-structure: Sub 35

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]	[m] [m]			[%]	[%]	[%]	

No structures have segments combined.

Structure: V5N | Sub-structure: Sub 36

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]	[m] [m]			[%]	[%]	[%]	

No structures have segments combined.

Structure: V5E | Sub-structure: Sub 37

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]	[m] [m]			[%]	[%]	[%]	

No structures have segments combined.

Structure: V5S | Sub-structure: Sub 38

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]	[m] [m]			[%]	[%]	[%]	

No structures have segments combined.

Structure: V5W | Sub-structure: Sub 39

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]	[m] [m]			[%]	[%]	[%]	

No structures have segments combined.

Structure: V6N | Sub-structure: Sub 40

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]	[m] [m]			[%]	[%]	[%]	

No structures have segments combined.

Structure: V6E | Sub-structure: Sub 41

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]	[m] [m]			[%]	[%]	[%]	

No structures have segments combined.

Structure: V6S | Sub-structure: Sub 42

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: V6W | Sub-structure: Sub 43

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

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Express Preliminary UXO Risk Assessment

Client	GEA
Project	3-6 Spring Place
Site Address	Spring Place, Kentish Town, London, NW5 3BA
Report Reference	EP3672-00
Date	07/07/16
Originator	JF

Assessment Objective

This preliminary risk assessment is a qualitative screening exercise to assess the likely potential of encountering unexploded ordnance (UXO) at the 3-6 Spring Place site. The assessment involves the consideration of the basic factors that affect the potential for UXO to be present at a site as outlined in Stage One of the UXO risk management process.

Background

This assessment uses the sources of information available in-house to 1st Line Defence Limited to enable the placement of a development site in context with events that may have led to the presence of German air-delivered or Allied military UXO. The report will identify any immediate necessity for risk mitigation or additional research in the form of a Detailed UXO Risk Assessment. It makes use of 1st Line Defence's extensive historical archives, library and unique geo-databases as well as internet resources, and is researched and compiled by UXO specialists and graduate researchers.

The assessment directly follows CIRIA C681 guidelines "Unexploded Ordnance, a Guide for the Construction Industry". The document will therefore assess the following factors:

- Basic Site Data
- Previous Military Use
- Indicators of potential aerial delivered UXO threat
- Consideration of any Mitigating Factors
- Extent of Proposed Intrusive Works
- Any requirement for Further Work

It should be noted that the vast majority of construction sites in the UK will have a low or negligible risk of encountering UXO and should be able to be screened out at this preliminary stage. The report is meant as a common sense 'first step' in the UXO risk management process. The content of the report and conclusions drawn are based on basic, preliminary research using the information available to 1st Line Defence at the time this report was produced.

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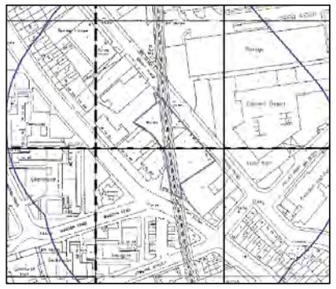
Risk Assessment Considerations	
Site location and description/current use	The proposed site is situated within the London Borough of Camden, in the area of Kentish Town. It is situated approximately 4.7km north-west of the centre of London. The site is an irregularly shaped parcel of land that is currently occupied by several industrial properties that lie underneath raised railway arches. It is bound by Spring Place to the immediate east, Grafton Road to the west, and additional industrial buildings to the north and south.  The site is approximately centred on the OS grid reference: **TQ 2855585011**
Are there any indicators of current/historical military activity on/close to the site?	1st Line Defence can find no evidence that the site ever had any direct military use. No features such as WWII defensive positions, encampments, training areas or firing ranges are believed to have been located in the vicinity of the site. The closest area of significant military activity was a HAA (Heavy Anti-Aircraft) Battery located approximately 1.5km north-west of the site within Primrose Hill.
What was the pre- and post-WWII history of the site?	Available pre-war OS mapping shows that a railway viaduct ran north-south through the centre of the site. Structures/yards are apparent either side of the railway, with a row of residential terraced housing to the immediate south-west fronting Grafton Road. Post-war 1953 mapping shows a different layout the structures within the site – now labelled as a *Glass Works*. The housing adjacent to the site and on the opposite side of the road has been cleared and some replaced with pre-fabricated housing. It is not clear from the available mapping to what degree the site has been subject to redevelopment in the post-war period.
Was the area subject to bombing during WWII?	The proposed site was situated within the Metropolitan Borough of St Pancras during WWII. St Pancras was subjected to a high density of bombing with 258.4 items of ordnance recorded per 1,000 acres. This included 641 HE (high explosive) bombs, 8 Parachute Mines, 14 Oil Bombs, 11 Phosphorus Bombs, 20 Pilotless Aircraft (V1s) and 2 Long Range Rocket Bombs (V2s) totalling 696 items. Available bomb census mapping indicates that at least one HE bomb strike occurred within close proximity to the southern section of the site. Further research will be required in order to determine the exact location of this bomb strikes and determine whether it directly impacted the proposed site. In addition, a V1 Flying Bomb is noted to the immediate west of the site and is anticipated to have affected the proposed site area.
Is there any evidence of bomb damage on/close to the site?	London County Council Bomb Damage mapping indicates that the proposed site sustained serious damage that was repairable at cost. Several buildings within close proximity to the proposed site sustained serious unrepairable damage and were totally destroyed. It has not been possible to determine when the site was damaged. It was likely seriously damaged during the V1 strike to the immediate east, but further research will be required to confirm that it was not damaged before this date. The

	acquisition of written bomb incident records and WWII era aerial photography may help to determine this.
To what degree would the site have been subject to access?	The proposed site was occupied by viaducts and was situated within close proximity to several residential properties and a railway line at the beginning of the war. It is therefore anticipated that the site would have been subjected to some degree of access at the beginning of the war. However; when the proposed site and the housing were damaged then this level of access would have significantly reduced. Further research will be required in order to determine when the site was damaged before an accurate assessment of access can be made.
To what degree has the site been developed post-WWII?	Some post-war development has occurred. Several industrial properties have been erected within the proposed site area. This type of development may partially mitigate the risk of discovering items of UXO though only at the depths and locations of post-war excavations.
What is the nature and extent of the intrusive works proposed?	The extent of intrusive works were not made available to 1st Line Defence at the time of writing.

Summary and Conclusions

The proposed site was situated within the Metropolitan Borough of St Pancras during WWII. St Pancras sustained a high level of bombing with 258.4 items of ordnance recorded per 1,000 acres. At least one HE bomb strike is recorded in close proximity to the southern section of the site. Additionally a V1 strike is noted to the immediate west. London County Council damage mapping indicates that the site area was subjected to serious but repairable damage and many of the surrounding properties sustained significant damage or were totally destroyed. Further research will be required the exact location of the HE bomb strike and determine whether the proposed site was damaged prior to the V1 strike.

Recommendations

Following the findings of this preliminary report**, further research** is recommended in the form of a **Detailed UXO Risk assessment.**

Further research is required in the form of visits to local and national archives, and including the acquisition of WWII era aerial photography, local incident records and other archival material, in order to confirm the locations and the bomb strike within the site, and the extent of damage within the site. Prior to or in lieu of a Detailed Assessment, it is recommended that all intrusive works that fall outside of or below areas of post-war foundations or excavations be **supported by a UXO specialist**.

If the client has any anecdotal or empirical evidence of UXO risk on site, please contact 1st Line Defence.

1ST LINE DEFENCE

UXO SOLUTIONS

Detailed Unexploded Ordnance (UXO) Risk Assessment

Project Name	3-6 Spring Place		
Client	GEA		
Site Address	Spring Place, Camden, London, NW5 3BA		
Report Reference	DA3672-00	Revision	00
Date	14th July 2016		
Originator	PS		

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Executive Summary

Site Location

The proposed site is situated within the London Borough of Camden, in the area of Kentish Town. It is situated approximately 4.7km north-west of the centre of London.

It is bound by Spring Place to the immediate east, mixed-use properties adjoining Grafton Road to the west, and industrial buildings to the north and south. A raised section of the London Overground Line, between Gospel Oak and Kentish Town West, runs from north to south above the site area.

The site is an irregularly shaped parcel of land that is currently occupied by several industrial properties that lie underneath a section of the London Overground Line.

The site is approximately centred on the OS grid reference: **TQ 2855585011**

Proposed Works

The extent of intrusive works were not made available to 1st Line Defence at the time of writing this report.

Geology and Bomb Penetration Depth

It has not been possible to determine maximum bomb penetration capabilities due to the lack of site specific geotechnical information. A site specific assessment of maximum bomb penetration depth can be made by a UXO Specialist on-site or once site specific geotechnical information becomes available.

UXO Risk Assessment

1st Line Defence believes that there is a **Low Risk** from UXO across the site. This assessment is based on the following factors:

- During WWII the Metropolitan Borough of St Pancras was subjected to a High Density bombing campaign, with 258.4 items falling per 1,000 acres. Areas targeted by the Luftwaffe in the proximity of the borough of St Pancras included St. Pancras and King's Cross Stations, both approximately 2.1km south-east of the site and an electricity generating station and gas works also located in the area.
- London bomb census mapping indicate that the general site area was subject to several bomb strikes, including one HE bomb within or in the immediate area of the site's south-eastern boundary in 1941. A V-1 bomb strike is also plotted to the immediate west of the site area during the latter stages of the war.
- RAF Aerial Photography has been collected covering the site before and after the V-1 strike to more confidently assess the damage that this initial bomb incident caused to the south-eastern section. Imagery dated prior to the V- strike seems to indicate that damage consists of minor blast damage to the roofing of the structures on site and that this damage was repaired by 1944. This level of damage is not anticipated to have affected the condition or operation of structures on site for a significant period of the war.
- If bombs fell within the site area immediately after the initial damage occurred in 1941 and before repairs were carried out, there is a possibility that debris could prevent the observation of UXO falling within the site area. However this possibility is considered less likely due to the seemingly minor nature damage on site before the V-1 strike, the small surface area of the site and its observability from the railway viaduct above.
- The fact that the site was entirely occupied by industrial properties and only a small open yard area indicates that the site would likely have received high levels of access throughout WWII, this assessment is corroborated by the evidence of repairs to the roofing of the structures on site. It is not clear whether 3-5 Spring Place changed ownership from London Lorries (motor body builders) to General Roadways (lorry haulage) prior to or during the war – however It is considered less likely that items of UXO would have fallen unnoticed and unrecorded in such an area of high access in either case.
- Large areas of clearance and severe damage are visible immediately surrounding the site area following the V-1 weapons strike in 1944. Despite the severity of this damage, including blast damage to site, here is a negligible risk that UXBs could have been obscured by the debris resulting from this incident. As bombing was rare across London after the start of the V-weapon campaign.
- There is no evidence that the site formerly had any military occupation or usage that could have led to contamination with other items of ordnance.

UXO Risk Assessment
• There has been some re-development on the site post WWII. The extent of the developments and depth of foundations can partly mitigate the UXO risk as any present items of UXO may have been uncovered during the works. Significant post-war development on site consists of the removal of old buildings on the site and the construction of a new structure, it is unclear if any work has been carried out on the supports of the viaduct that exists above the site. Construction of the structure on site will have most likely required some deeper foundations. The risk from deep-buried unexploded bombs is only considered mitigated at locations where post war piling or deep foundations have taken place.

Recommended Risk Mitigation Measures
The following risk mitigation measures are recommended to support the proposed works at 3-6 Spring Place: **All works** • Site Specific Unexploded Ordnance Awareness Briefings to all personnel conducting intrusive works

In making this assessment and recommending the above risk mitigation measures, the proposed works outlined in the 'Scope of the Proposed Works' section were considered. Should the planned works be modified or additional intrusive engineering works be considered, 1st Line Defence should be consulted to see if a re-assessment of the risk or mitigation recommendations is necessary.

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Glossary

Abbreviation	Definition
AA	Anti-Aircraft
AAA	Anti-Aircraft Ammunition
AFS	Auxiliary Fire Service
AP	Anti-Personnel
ARP	Air Raid Precautions
AWAS	Air Warfare Analysis Section
EOC	Explosive Ordnance Clearance
EOD	Explosive Ordnance Disposal
FP	Fire Pot
GM	G Mine (Parachute mine)
HAA	Heavy Anti Air
HE	High Explosive
IB	Incendiary Bomb
LAA	Light Anti Air
LCC	London County Council
LRRB	Long Range Rocket Bomb (V2)
LSA	Land Service Ammunition
MOL	Molotov (Incendiary Bomb)
OB	Oil Bomb
PAC	Pilotless Aircraft (V1)
PB	Phosphorous Bomb
PM	Parachute Mine
POW	Prisoner Of War
RAF	Royal Air Force
RCAF	Royal Canadian Air Force
RFC	Royal Flying Corps
RNAS	Royal Naval Air Service
ROF	Royal Ordnance Factory
SA	Small Arms
SAA	Small Arms Ammunition
SD1000	1000kg high explosive bomb
SD2	2kg incendiary
U/C	Unclassified bomb
UP	Unrotated Projectile (rocket)
USAAF	United States Army Air Force
UX	Unexploded
UXAA	Unexploded Anti Air
UXB	Unexploded Bomb
UXO	Unexploded Ordnance
V1	Vengeance Weapon 1
V2	Vengeance Weapon 2
WAAF	Women's Auxiliary Air Force
X	Exploded

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1st Line Defence Limited
Detailed Unexploded Ordnance (UXO) Risk Assessment

Site: 3-6 Spring Place
Client: GEA

1. Introduction

1.1. Background

1st Line Defence has been commissioned by GEA to produce a Detailed Unexploded Ordnance (UXO) Risk Assessment for the proposed works at 3-6 Spring Place.

UXO in the UK can originate from three principal sources:

1. Munitions deposited as a result of military training procedures and exercises.
2. Munitions lost, burnt, buried or otherwise discarded either deliberately, accidentally or ineffectively.
3. Munitions resulting from wartime activities including German bombing in WWI and WWII, long range shelling, defensive activities or area denial.

In certain parts of the UK buried UXO can present a significant risk to construction works and development projects. Whilst UXO may certainly present a safety risk even the simple discovery of a suspected device during on-going works can cause considerable disruption to production and cause unwanted delays and expense.

This report will examine in detail all the factors that could potentially contribute to a risk from UXO at the site in question. For the majority of sites in the UK the likelihood of encountering UXO of any sort is minimal and generally no further action will be required beyond an initial desktop risk assessment. However, if a potential risk is identified, the report will make recommendations for the most appropriate and work-specific measures available in order to reduce the risk to as low as reasonably practicable. Full analysis and evidence will be provided to allow to client to fully understand the basis for the assessed risk level and any recommendations.

The report directly follows the guidelines set out in the document CIRIA C681 'Unexploded Ordnance (UXO) A Guide for the Construction Industry'.

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2. UK Regulatory Environment

2.1. General

There is no formal requirement for undertaking an assessment of UXO risk for construction projects in the UK, nor any specific legislation covering the management or mitigation of UXO risk. However, it is implicit in the legislation outlined below that those responsible for intrusive works (archaeology, site investigation, drilling, piling, excavation etc.) do undertake a comprehensive and robust assessment or potential risks to employees and that mitigation measures are put in place to address any identified hazards.

2.2. CDM Regulations 2015

This legislation defines the responsibilities of all parties (primarily the Client, the CDM Co-ordinator, the Designer and the Principal Contractor) involved with works. Under CDM2015, the client has the 'legal responsibility for the way that a construction project is managed and run and they are accountable for the health and safety of those working on or affected by the project'.

Although UXO is not specifically addressed, the regulations effectively place obligations on all these parties to:

- Provide an appropriate assessment of potential UXO risks at the site (or ensure such an assessment is completed by others).
- Put in place appropriate risk mitigation measures if necessary.
- Supply all parties with information relevant to the risks presented by the project.
- Ensure the preparation of a suitably robust emergency response plan.

2.3. The 1974 Health and Safety at Work Act

All employers have a responsibility under the Health and Safety at Work Act of 1974 (and the Management of Health and Safety at Work Regulations of 1999) to ensure, so far as is reasonably practicable, the health and safety of their employees and that of other persons who are affected by their work activity (including the general public).

2.4. Additional Legislation

Other relevant legislation includes the Safety at Work Regulations 1999 and The Corporate Manslaughter and Corporate Homicide Act 2007.

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3. Role of Commercial UXO Contractors and The Authorities

3.1. Commercial UXO Contractors

The role of an experienced UXO specialist such as 1st Line Defence is to provide expert knowledge and guidance to the client on the most appropriate and cost effective approach to UXO risk management on a site.

The undertaking of Preliminary and Detailed UXO Risk Assessments is the first step in this risk management process. The extensive amount of specialist experience, weapons knowledge, datasets and historical information available to 1st Line Defence in particular, allows a robust, detailed and realistic assessment of the potential risk, and the recommendation of suitable mitigation measures if deemed necessary.

In addition to undertaking specialist Risk Assessments, a commercial UXO contractor will be able to provide pre-construction site survey and clearance/avoidance, as well as a reactive response to any suspect finds.

The presence on site of a qualified UXO Specialist with ordnance recognition skills will avoid unnecessary call-outs to the authorities and allow for arrangement to be made for the removal and disposal of low risk items. If high risk ordnance is discovered, actions will be co-ordinated with the authorities with the objective of causing the minimum possible disruption to site operations whilst putting immediate, safe and appropriate measures in place.

For more information on the role of commercial UXO specialists, see CIRIA C681.

3.2. The Authorities

The Police have the responsibility for co-ordinating the emergency services in the case of an ordnance-related incident on a construction site. They will make an initial assessment and if they judge necessary, impose a safety cordon and/or evacuation and call the military authorities Joint Services Explosive Ordnance Disposal (JSEOD) to arrange for investigation and/or disposal. In the absence of an UXO Specialist on site many Police Officers will use the precautionary principle, impose cordon/evacuation and await advice from the JSEOD. The discovery of UXO will invariably cause work to cease on the site and may require the evacuation of the site and neighbouring properties.

The priority JSEOD will give to the police request will depend on their judgement of the nature of the UXO risk, the location, people and assets at risk and the availability of resources. They may respond immediately or as resources are freed up. It can take 1-2 days and often longer for the authorities to respond and deal with a UXB.

Depending on the on-site risk assessment the item of ordnance may be removed from site or destroyed by controlled explosion. In the latter case additional cordons and/or evacuations may be necessary and the process will take longer.

It should be noted that following the discovery of an item of UXO, the military authorities will only carry out further investigations or clearances in very high profile or high risk situations. If there are regular UXO finds on a site the JSEOD may not treat each occurrence as an emergency and will recommend the construction company puts in place alternative procedures i.e. the appointment of a commercial contractor to manage the situation.

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4. The Report

4.1. Report Objectives

The aim of this report is to undertake a fair, proportionate and comprehensive assessment of the potential risk from UXO at 3-6 Spring Place. Every reasonable effort will be made to ensure that all available and pertinent historical information and records are accessed and checked. Full analysis and evidence will be provided where possible to allow the Client to fully understand the basis for the risk assessment.

Site specific risk mitigation measures will be recommended if deemed necessary, to reduce the risk from explosive ordnance during the envisaged works to as low as reasonably practicable.

4.2. Risk Assessment Process

1st Line Defence undertakes a five-step process for assessing the risk posed by UXO:

1. The risk that the site was contaminated with UXO.
2. The risk UXO remains on the site.
3. The risk that UXO may be encountered during the proposed works.
4. The risk that UXO may be initiated.
5. The consequences of initiating or encountering UXO.

In order to address the above, 1st Line Defence has considered in detail, site specific and non-site specific factors including:

- Evidence of German bombing, delivery of UXBs, records of abandoned bombs and maximum bomb penetration depth assessment.
- Site history, occupancy and conditions during WWII.
- The potential legacy of Allied military activity.
- Details of the specific UXO threat and any known UXO clearance work.
- The extent of any post-war redevelopment.
- The extent and nature of any proposed works.

4.3. Sources of Information

In order to produce a robust and thorough assessment of UXO risk, detailed historical research has been carried out by specialist researchers. Military records and archive material held in the public domain have been accessed. Information from the following sources has been consulted for this report:

- The National Archives, Kew and Camden Local Studies and Archive Centre.
- Landmark Maps.
- Historic England National Monuments Record.
- Relevant information supplied by GEA.
- Available material from 33 Engineer Regiment (EOD) Archive.
- 1st Line Defence's extensive historical archives, library and UXO geo-datasets.
- Open sources such as published book and internet resources.

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Research involved a visit to the Camden Local Studies and Archive Centre and the National Archives, Kew.

5. Reporting Conditions

5.1. General Considerations

It is important to note that this desktop assessment is based largely upon research of historical evidence. Although every effort has been made to locate all significant and pertinent information, 1st Line Defence cannot be held accountable for any changes to the assessed level of risk or risk mitigation measures based on documentation or other data that may come to light at a later date, or which was not available to 1st Line Defence at the time of the report's production.

It is often problematic and sometimes impossible to verify the completeness and accuracy of WWII-era records – see 'Background to Bombing Records'. As a consequence, conclusions as to the exact location, quantity and nature a UXO risk can rarely be definitive. To counter this, it is essential that as many different sources and types of information as possible are consulted and analysed before a conclusion is reached. 1st Line Defence cannot be held responsible for inaccuracies or gaps in the available historical information.

5.2. Background to Bombing Records

In September 1940, the Government started to collect and collate information relating to damage sustained during bombing raids. The data became known as the 'Bomb Census'. Initially, only information relating to London, Birmingham and Liverpool was collated, but quickly the bomb census was extended to cover the rest of the UK.

Its purpose was to provide the Government with a complete picture of raid patterns, types of weapon used and damage caused – in particular to strategic services and installations such as railways, factories and public utilities.

Information was gathered locally by police, Air Raid Wardens and military personnel. They noted when, where and what types of bombs had fallen during an air raid, and passed this on to the Ministry of Home Security. Records of strikes were made either through direct observation or by post-raid surveys. However, the immediate priority was to deal with casualties and minimise damage. As a result, it is only to be expected that the records kept were often incomplete and contradictory.

Prior to the official 'Bomb Census', record keeping in the early months of the war was not comprehensive. The quality, detail and nature of record keeping could vary considerably from borough to borough and town to town. Many records were even damaged or destroyed in subsequent attacks. Records of raids that took place on sparsely or uninhabited areas were often based upon third party or hearsay information and are not always reliable. Furthermore, records of attacks on military or strategic targets were often maintained separately from the general records and have not always survived.

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6. The Site

6.1. Site Location

The proposed site is situated within the London Borough of Camden, in the area of Kentish Town. It is situated approximately 4.7km north-west of the centre of London.

It is bound by Spring Place to the immediate east, mixed-use properties adjoining Grafton Road to the west, and industrial buildings to the north and south. A raised section of the London Overground Line, between Gospel Oak and Kentish Town West, runs from north to south above the site area.

The site is approximately centred on the OS grid reference: **TQ 2855585011**

Site location maps are presented in **Annex A**.

6.2. Site Description

The site is an irregularly shaped parcel of land that is currently occupied by several industrial properties that lie underneath a section of the London Overground Line.

A recent aerial photograph is presented in **Annex B**.

7. Scope of the Proposed Works

7.1. General

The extent of intrusive works were not made available to 1st Line Defence at the time of writing this report.

8. Ground Conditions

8.1. General Geology

The British Geological Survey (BGS) map shows the site to be underlain by the London Clay formation – Clay, Silt and Sand, of the Palaeogene Period.

8.2. Site Specific Geology

No site specific geotechnical information was available to 1st Line Defence at the time of writing this report.

9. Site History

9.1. Ordnance Survey Historical Maps

Pre and post-WWII historical maps for the site were obtained by 1st Line Defence from Landmark Maps, GEA and NLS. These are presented in **Annex C**.

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WWI Period		
Date	**Scale**	**Description**
1915 – 1916	1:2,500	This map indicates the presence of industrial properties within the site boundary and to the north-west and south-east. Spring Place runs immediately north-east of the site. A railway viaduct ran from north to south across the site and a large coal depot was situated to the north-east. Residential properties were located immediately west of the site.

Pre-WWII		
Date	**Scale**	**Description**
1938	880 feet to 1 inch	This map is of a poor quality, but does not seem to show any significant change to the site area or its surrounds.

Post-WWII		
Date	**Scale**	**Description**
1953 – 1954	1:1,250	The site area seems to have experienced significant change since the previous map edition, with the industrial buildings previously on the site being replaced by a new structure labelled as a Glass Works. The houses to the west seem to have been replaced by prefabricated structures and a small area of ruin can be identified to the south of the site on Willes Road.
1966 – 1968	1:1,250	Though no significant change appears to have occurred within the site area by this date, the two prefabricated structures immediately west of the site have been replaced by larger structures. Rows of housing further from site in the surrounding area have also been replaced by blocks of flats.
1991	1:1,250	This map edition seems to show no significant change on site since the previous map edition.

9.2. Site History

Local historical information indicates that during wartime area was commercial/industrial.
No's 3-5 Spring Place on site-were occupied by the London Lorries pre-war. (Motor body manufacturers.) Recorded on site until the 1930's. General Roadway lorry Haulage Company took over this section of the site afterwards.
To the north 8-9 Spring Place occupied by Elliott Optical Co. (Wall to Wall TV) during WWII.
To the south 2 Spring Place occupied by the Windsor and Newton's Colour Works between 1844-1934. Later became a warehouse for an Italian grocery chain, Walton, Hassall and Port.

10. Aerial Bombing Introduction

10.1. General

During WWI and WWII, many towns and cities throughout the UK were subjected to bombing which often resulted in extensive damage to city centres, docks, rail infrastructure and industrial areas. The poor accuracy of WWII targeting technology and techniques often resulted in all areas around a specific target being bombed.

In addition to raids which concentrated on specific targets, indiscriminate bombing of large areas also took place – notably the London 'Blitz', but also affecting many other towns and cities. As discussed in

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the following sections, a proportion of the bombs dropped on the UK did not detonate as designed and while extensive efforts were made to locate and deal with these UXBs at the time, many still remain buried and can present a potential risk to construction projects.

The main focus of this report with regards to bombing will be weapons dropped during WWII, although WWI bombing will also be considered.

10.2. Generic Types of WWII German Air-delivered Ordnance

The type and characteristics of the ordnance used by the Luftwaffe during WWII allows an informed assessment of the hazards posed by any unexploded items that may remain in situ on a site. A brief summary of these characteristics is given below. Examples of German air delivered ordnance are presented at **Annex D**.

Generic Types of WWII German Air Delivered Ordnance	
High Explosive (HE) Bombs	
Frequency	In terms of weight of ordnance dropped, HE bombs were the most frequent weapon deployed by the Luftwaffe during WWII.
Size/Weight	Most bombs were 50kg, 250kg or 500kg (overall weight, about half of which was high explosive) though larger bombs of up to 2000kg were also used.
Description	High explosive bombs are thick-skinned and typically have sufficient mass and velocity and a suitably streamlined shape to enable them to penetrate the ground if they failed to explode on the surface.
Likelihood of detecting Unexploded	Although efforts were made to identify the presence of unexploded ordnance following a raid, often the damage and destruction caused by bombs which did detonate often made observation of UXB entry holes impossible. The entry hole of an unexploded bomb can be as little as 20cm in diameter and easily overlooked in certain ground conditions (See **Annex E**). Furthermore, ARP documents describe the danger of assuming that damage, actually caused by a large UXB, was due to an exploded 50kg bomb. UXB's therefore present the greatest risk to present–day intrusive works.
Aerial or Parachute Mines	
Frequency	These were much less frequently deployed than HE and Incendiary bombs due to their size, cost and their difficulty technically to deploy.
Size/Weight	Their weight was either 500kg or 1000kg (overall weight, of which about 2/3 was explosive) depending on the type of mine. Their length ranged from 1.73-2.64m.
Description	The Luftmines (LMA-500kg and LMB-1000kg) were magnetic sea mines which were thin walled, cylindrical in shape with a hemispherical nose and were deployed under a green artificial silk parachute about 8m in diameter. They were fitted with magnetic and later with acoustic or magnetic/acoustic firing. When the mine hit the water and sank to more than 8ft, hydrostatic pressure and the dissolution of a soluble plug actuated the magnetic device and the mine became operational against shipping. The mine was also armed with a clockwork bomb fuze which caused the bomb to explode when used against land targets, and this was started by the impact of hitting the ground. The Bombenmine (BM 1000, Monika, or G Mine) was also used. This was fitted with a tail made from Bakelite which broke up on impact. It had a photoelectric cell beneath a cover which detonated the bomb if exposed to light to counteract the work of bomb disposal units.
Likelihood of detecting Unexploded	The aerial mines were either 500kg or 1000kg (overall weight, of which about 2/3 was explosive) depending on the type of mine. Their length ranged from 1.73-2.64m. They were much less frequently deployed than H.E. and Incendiary bombs due to their size, cost and the fact that they could not be delivered to point targets. If functioning correctly, parachute mines would generally have had a slow rate of descent (falling at about 40 mph) and were very unlikely to have penetrated the ground. Where the parachute failed, mines would have simply shattered on impact if the main charge failed to explode. There have been extreme cases when these items have been found unexploded. However, in these scenarios, the ground was either extremely soft or the munition fell into water. When operating as designed they caused considerable damage due to the high weight of explosive and their detonation at or near the surface. However 1st Line Defence does not consider there to be a significant risk from unexploded aerial mines on land.
1kg Incendiary Bombs	
Frequency	In terms of number of weapons dropped these small Incendiaries were the most numerous. Millions of these weapons were dropped throughout WWII.
Size/Weight	1kg
Description	These thermite filled devices were jettisoned from air-dropped containers. Some variants had explosive heads and these present a risk of detonation during intrusive works.
Likelihood of detecting Unexploded	They had very limited penetration capability and in urban areas especially would usually have been located in post-raid surveys. If they failed to initiate and fell in water, on soft vegetated ground, or bomb rubble, they could easily have gone unnoticed.
Large Incendiary Bombs	
Frequency	These items of ordnance were not as common as the 1kg Incendiaries however they were still more frequently deployed than the Parachute Mines and Anti-Personnel Bomblets.
Size/Weight	These could weigh up to 350kg.
Description	They had various flammable fill materials (including oil and white phosphorus), and a small explosive charge. They were designed to explode and burn close to the surface. Although they were often the same shape as HE bombs, they were thin-skinned and generally did not penetrate the surface.
Likelihood of detecting Unexploded	If they did penetrate the ground, complete combustion did not always occur and in such cases they could remain a risk to intrusive works.
Anti-personnel (AP) Bomblets	
Frequency	They were not commonly used and generally considered to pose a low risk to most works in the UK.
Size/Weight	The size and weight ranged depending on the type used. The most common was the "Butterfly Bomb" (SD2) which weighed 2kg and contained 225 grams of TNT.
Description	The 'Butterfly Bomb' had an 8cm long, thin, cylindrical, cast iron outer shell which hinged open when the bomblet deployed gave it the superficial appearance of a large butterfly. A steel cable 15 cm long was attached via a spindle to an aluminium fuze. The wings at the end were canted at an angle to the airflow, which turned the spindle anti-clockwise as the bomblet fell. After the spindle had revolved approximately 10 times (partially unscrewing itself from the bomb) it released a spring-loaded pin inside the fuze, which fully armed the SD2 bomb. They were generally lethal to anyone within a radius of 10 metres (33 ft) and could inflict serious shrapnel injuries. There were a number of variants, the most common being the SD2 which weighed 2kg and contained 225 grams of TNT. They were not commonly used and generally considered to pose a low risk to most works in the UK.
Likelihood of detecting Unexploded	SD2 bomblets were not dropped individually, but were packed into containers holding between 6 and 108 submunitions however, AP bombs had little ground penetration ability and should have been located by the post-raid survey unless they fell into water, dense vegetation or bomb rubble.

10.3. Failure Rate of German Air-Delivered Ordnance

It has been estimated that 10% of the German HE bombs dropped during WWII failed to explode as designed. This estimate is based on the statistics of wartime recovered UXBs and therefore will not

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have taken account of the unknown numbers of UXBs that were not recorded at the time. It is therefore quite likely that the average failure rate would have been higher than this.

There are a number of reasons why an air-delivered weapon might fail to function as designed:

- Many German bombs were fitted with a clockwork mechanism which could jam or malfunction.
- Malfunction of the fuze or gain mechanism (manufacturing fault, sabotage by forced labour or faulty installation)
- Failure of the bomber aircraft to arm the bombs due to human error or equipment defect.
- Jettison of the bomb before it was armed or from a very low altitude. Most likely if the bomber was under attack or crashing.

War Office Statistics document that a daily average of 84 bombs which failed to function were dropped on civilian targets in Great Britain between 21st September 1940 and 5th July 1941. 1 in 12 of these probably mostly fitted with time delay fuzes exploded sometime after they fell, the remainder were unintentional failures.

From 1940 to 1945 bomb disposal teams dealt with a total of 50,000 explosive items of 50 kg and over i.e. German bombs, 7,000 AAA shells and 300,000 beach mines. These operations resulted in the deaths of 394 officers and men. However, unexploded ordnance is still regularly encountered across the UK, especially in London; see press articles in **Annex F**.

10.4. V-Weapons

From mid-1944, Hitler's 'V-weapon' campaign began. It used newly developed unmanned cruise missiles and rockets. The V1 known as the *Flying Bomb* or *Doodlebug* and the V2, a Long Range Rocket, were launched from bases in Germany and occupied Europe. A total of 2,419 V1s and 517 V2s were recorded in the London Civil Defence region alone.

Although these weapons caused considerable damage their relatively low numbers allowed accurate records of strikes to be maintained. These records have mostly survived. It should be stressed that there is a negligible risk from unexploded V-weapons on land today since even if the 1000kg warhead failed to explode, the weapons are so large that they would have been observed and the threat dealt with at the time. Therefore V-weapons are referenced in this report not as a viable risk factor, but primarily in order to help account for evidence of damage and clearance reported. A V-1 fell immediately west of the site, damage from V-1 strikes can hide evidence of other bomb damage and this V-1 will therefore be discussed further in this report in several sections bellow.

11. UXB Ground Penetration

11.1. General

An important consideration when assessing the risk from a UXB is the likely maximum depth of burial. There are several factors which determine the depth that an unexploded bomb will penetrate:

- Mass and shape of bomb
- Height of release
- Velocity and angle of bomb
- Nature of the groundcover
- Underlying geology

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Geology is perhaps the most important variable. If the ground is soft, there is more potential for deeper penetration – peat and alluvium are easier to penetrate than gravel and sand for example and the bomb is likely to come to rest at deeper depths. Layers of hard strata will significantly retard and may stop the trajectory of a UXB.

11.2. The J Curve Effect

J-curve is the term used to describe the characteristic curve commonly followed by an air-delivered bomb dropped from height after it penetrates the ground. Typically, as the bomb is slowed by its passage through underlying soils, its trajectory curves towards the surface. Many UXBs are found with their nose cone pointing upwards as a result of this effect. More importantly however is the resulting horizontal offset from the point of entry. This is typically a distance of about one third of the bomb's penetration depth.

11.3. WWII UXB Penetration Studies

During WWII the Ministry of Home Security undertook a major study on actual bomb penetration depths, carrying out statistical analysis on the measured depths of 1,328 bombs as reported by Bomb Disposal, mostly in the London area. They then came to conclusions as to the likely average and maximum depths of penetration of different sized bombs in different geological strata.

They concluded that the largest common German bomb, 500kg, had a likely penetration depth of 6m in sand or gravel but 11m in clay. The maximum observed depth for a 500kg bomb was 11.4m and for a 1000kg bomb 12.8m. Theoretical calculations suggested that significantly greater penetration depths were probable.

11.4. Site Specific Bomb Penetration Considerations

When considering an assessment of the bomb penetration at the site the following parameters have been used:

- WWII Geology – London Clay Formation
- Impact Angle and Velocity – 10-15° from Vertical and 270 metres per second.
- Bomb Mass and Configuration – The 500kg SC (General Purpose) HE bomb, without retarder units or armour piercing nose. This was the largest of the common bombs used against Britain.

It has not been possible to determine maximum bomb penetration capabilities due to the lack of site specific geotechnical information. A site specific assessment of maximum bomb penetration depth can be made by a UXO Specialist on-site or once site specific geotechnical information becomes available.

12. Initiation of Unexploded Ordnance

12.1. General

Unexploded ordnance does not spontaneously explode. All high explosive requires significant energy to create the conditions for detonation to occur. In the case of unexploded German bombs discovered within the construction site environment, there are a number of potential initiation mechanisms.

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12.2. UXB Initiation Mechanisms

There are a number of ways in which UXB can be initiated. These are detailed in the table below.

UXB Initiation	
Direct Impact	Unless the fuze or fuze pocket is struck, there needs to be a significant impact e.g. from piling or large and violent mechanical excavation, onto the main body of the weapon to initiate a buried iron bomb. Such violent action can cause the bomb to detonate.
Re- starting the Clock	A small proportion of German WWII bombs employed clockwork fuzes. It is probable that significant corrosion would have taken place within the fuze mechanism over the last 70+ years that would prevent clockwork mechanisms from functioning. Nevertheless it was reported that the clockwork fuze in a UXB dealt with by 33 EOD Regiment in Surrey in 2002 did re-start.
Friction Impact	This is the most likely scenario resulting in the weapon detonating; friction impact initiating the shock-sensitive fuze explosive. The combined effects of seasonal changes in temperature and general degradation over time can cause explosive compounds to crystallise and extrude out from the main body of the bomb. It may only require a limited amount of energy to initiate the extruded explosive which could detonate the main charge.

Annex F2 details UXB incidents where intrusive works have caused UXBs to detonate, resulting in death or injury and damage to plant.

12.3. Effects of Detonation

When considering the potential consequences of a detonation, it is necessary to identify the significant receptors that may be affected. The receptors that may potentially be at risk from a UXO detonation on a construction site will vary depending on the site specific conditions but can be summarised as follows:

- People – site workers, local residents and general public
- Plant and equipment – construction plant on site
- Services – subsurface gas, electricity, telecommunications
- Structures – not only visible damage to above ground buildings, but potentially damage to foundations and weakening of support structures
- Environment – introduction of potentially contaminating materials

13. The Risk from German UXBs

13.1. World War I

During WWI London was targeted and bombed by Zeppelin Airships and by Gotha and Giant fixed-wing aircraft. An estimated 250 tons of ordnance (high explosive and incendiary bombs) was dropped on Greater London, more than half of which fell on the City of London. The WWI bomb census map can be seen in **Annex G**. It is believed that WWI bombs fell in the general area however there is no specific evidence that points to bombs landing on the proposed site.

WWI bombs were generally smaller than those used in WWII and were dropped from a lower altitude, resulting in limited UXB penetration depths. Aerial bombing was often such a novelty at the time that it attracted public interest and even spectators to watch the raids in progress. For these reasons there

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is a limited risk that UXBs passed undiscovered in the urban environment. When combined with the relative infrequency of attacks and an overall low bombing density the threat from WWI UXBs is considered low and will not be further addressed in this report.

13.2. World War II Bombing of St Pancras

The Luftwaffe's objective for the attacks on London was to paralyse the commercial life of the capital by bombing the docks, warehouses, wharves, railway lines, factories and power stations.

The Metropolitan Borough of St. Pancras (in which the site was located during WWII) was subject to a high bombing density, as demonstrated by the London WWII bomb density map and figures presented in **Annex H**. The district and neighbouring areas contained some targets of significance for the Luftwaffe which resulted in a relatively heavy bombardment throughout the region. These included the St. Pancras and King's Cross Stations, both approximately 2.1km south-east of the site, with an electricity generating station and gas works also located in the area. Luftwaffe reconnaissance flights would take place over London and highlight such buildings / features which would be supplied to military planners and bomber crews.

The site was occupied and adjacent to railway infrastructure which would have provided incoming Luftwaffe raids with potential targets. Its close proximity to Central London should also be taken into account when considering the levels of bombing for the area. Certain concepts of 'total war', i.e. less differentiation between combatants and civilians, brought the war to the doorstep of civilian Londoners with the belief that it was possible to break the country's will if the civilian population were directly impacted. Large scale raids were therefore designed to carpet bomb certain areas and not just target individual industry hubs and military establishments.

Records of bombing incidents in the civilian areas of London were collected by the Air Raid Precautions wardens and collated by the Civil Defence Office. Some other organisations, such as the London Port Authority and railways, maintained separate records.

Records would be in the form of typed or hand written incident notes, maps and statistics. Bombing data was carefully analysed, not only due to the requirement to identify those parts of the capital most needing assistance, but also in an attempt to find patterns in the Germans' bombing strategy in order to predict where future raids might take place.

Records of bombing incidents for the Metropolitan Borough of St. Pancras are presented in the following sections.

13.3. Second World War Bombing Statistics

The following tables summarise the quantity of German bombs (excluding 1kg incendiaries and anti-personnel bombs) falling on the Metropolitan Borough of St. Pancras between 1940 and 1945.

Record of German Ordnance Dropped on the Metropolitan Borough of St. Pancras		
Area Acreage		**2,694**
Weapons	High Explosive Bombs (all types)	641
	Parachute Mines	8
	Oil Bombs	14
	Phosphorus Bombs	11
	Fire Pot	0
	Pilotless Aircraft (V1)	20

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	Long Range Rockets (V2)	2
Total		**696**
Number of Items per 1000 acres		**258.4**

Source: Home Office Statistics
This table does not include UXO found during or after WWII.

Detailed records of the quantity and locations of the 1kg incendiary and anti-personnel bombs were not routinely maintained by the authorities as they were frequently too numerous to record. Although the incendiaries are not particularly significant in the threat they pose, they nevertheless are items of ordnance that were designed to cause damage and inflict injury and should not be overlooked in assessing the general risk to personnel and equipment. The anti-personnel bombs were used in much smaller quantities and are rarely found today but are potentially more dangerous.

13.4. London Air Raid Precautions Bomb Census Maps

During WWII, the Ministry of Home Security produced consolidated and weekly bomb census maps for London. The maps covering the area of the site were checked for this report. Those showing bomb strikes on and in the vicinity of the site are presented in **Annex I** and are discussed below:

London Consolidated Bomb Maps – Annex I1	
Date Range	**Comments**
Night Bombing up to 7th October 1940	This map seems to show no bombs to have fallen in the immediate vicinity of the site during this period.
7th October 1940 to 28th July 1941	**1 HE bomb** is recorded to have fallen to the immediate south-east of the site boundary during this period.

London Weekly Bomb Maps – Annexes I2 and I3	
Date Range	**Comments**
7th to 14th October 1940	This map seems to show no bombs to have fallen in the immediate vicinity of the site. 1 HE bomb strike is recorded to the north-east at the site of Spring Place Coal Depot.
11th to 18th November 1940	**1 HE bomb** is recorded to have fallen to the immediate south-east of the site boundary.
14th to 20th February 1944	**1 AB 1000-2 Submunitions Dispenser** (device from which incendiary bombs were deployed) fell in the general area of the proposed site, but does not seem to have directly affected the site area.

13.5. London V-Weapon Maps

Plots showing the location of all the V-1 strikes in the London area were compiled by the Ministry of Home Security. The area covering the site was checked and a section of it is presented in **Annex J**.

V-Weapon Map – Annex J	
Date Range	**Comments**
Post-war consolidated Bomb Plot Map	**1 V1 Flying Bomb** is plotted immediately west of the site and it is likely that this would have had a significant impact on site.

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13.6. St Pancras Air Raid Precautions Bomb Incident Records

Written incident records were obtained from the National Archives, Kew and the Camden Local Studies and Archives Centre. These written ARP record sets covering the Saint Pancreas area only reference major bomb incidents and do not appear to provide a comprehensive account of bomb strikes. A transcript of the only associated written record for bombs which fell in the area is presented in the table below.

Date Range	**Comments**
Incident first reported on 23/5/1941	LMS Railway Sidings, Spring Place. Bomb fell on carriage way of Cleaning and Shunting Depot. Appears to have detonated underground at an angle. Damage was very minor to a sleeper, which was soon repaired. No damage to utilities.

13.7. London County Council Bomb Damage Map

A map compiled by London County Council showing the extent of bomb damage on the borough was compiled during / after WWII. The section showing the area of the site is presented in **Annex K**.

London County Council Bomb Damage Map – Annex K	
Date Range	**Comments**
Post-War Consolidated Bomb Damage Map	This bomb damage map indicates the presence of V-1 damage in the area of the proposed site. The damage within the site itself is considered to be 'serious but repairable at cost' and damage to the west of the site, closer to where the V-1 struck, varies from 'total destruction' to 'damage beyond repair'.

13.8. WWII-Era Aerial Photographs

High resolution scans of WWII-era aerial photography for the site area were obtained from the National Monuments Record (Historic England). Imagery dated 7th June 1944 is presented in **Annex L1.** Imagery dated to 2nd April 1946 is presented in **Annex L3**..

13.8.1. 7th June 1944 Photograph

The site seems to consist of an industrial works with a viaduct and railway line above it, there is a small structure and what seems to be a small storage area at the north of the site. The industrial structures within the site appear to be largely intact and in-use, despite the appearance of small areas of repair work. The fact that repairs were carried out on the site indicates that it was likely accessed throughout WWII, particularly as it was an industrial works during WWII, the railway line over site and the adjacent road would also increase the probability of access. The ground cover surrounding the site seems to be predominantly hard-standing so it is unlikely bombs would have fallen unnoticed.

2nd April 1946 Photograph

There is a significant area of clearance visible immediately west of the site by the date of this image, seemingly caused by a V-1 strike. Large areas of structural damage, including missing roofing, can also be observed at the site of an optical works, to the immediate north-west of the site location. Despite this the majority of the structures on site appear to have survived in a relatively good condition with only small areas of recent repair work visible within the northern section of the site. Previous repairs to the southern section of the site area, dating back to the previous image, are still partially visible at this time.

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Annotated imagery, showing areas of damage, clearance and repair work in relation to the site area for both the 7th June 1944 and the 2nd April 1946 images are presented in **Annex L2** and **Annex L4** respectively.

13.9. Abandoned Bombs

A post-air raid survey of buildings, facilities and installations would have included a search for evidence of bomb entry holes. If evidence were encountered, Bomb Disposal Officer Teams would normally have been requested to attempt to locate, render safe and dispose of the bomb. Occasionally evidence of UXBs was discovered but due to a relatively benign position, access problems or a shortage of resources the UXB could not be exposed and rendered safe. Such an incident may have been recorded and noted as an Abandoned Bomb.

Given the inaccuracy of WWII records and the fact that these bombs were 'abandoned', their locations cannot be considered definitive or the lists exhaustive. The MoD states that 'action to make the devices safe would be taken only if it was thought they were unstable'. It should be noted that other than the 'officially' abandoned bombs, there will inevitably be UXBs that were never recorded.

1st Line Defence holds no records of officially registered abandoned bombs at or near the site of the proposed works.

13.10. Bomb Disposal Tasks

The information service from the Explosive Ordnance Disposal (EOD) Archive Information Office at 33 Engineer Regiment (EOD) is currently facing considerable delay. It has therefore not been possible to include any updated official information regarding bomb disposal/clearance tasks with regards to this site. A database of known disposal / clearance tasks has been referred to which does not make reference to such instances occurring within the site of proposed works. If any relevant information is received at a later date GEA will be advised.

13.11. Evaluation of Bombing Records

Item	Conclusion
Density of Bombing *It is important to consider the bombing density when assessing the possibility that UXBs remain in an area. High levels of bombing density could allow for error in record keeping due to extreme damage caused to the area.*	The Metropolitan Borough of St Pancras was subject to a **High** density of bombing with 258.4 bombs recorded per 1000 acres. The site was situated approximately 4.2km from the City of London, which experienced very high levels of bombing throughout WWII. London bomb census mapping and incident records indicate the presence of bombing incidents in the surrounding area of the proposed site, including one bomb strike on or in the immediate areas of the site's south-eastern boundary. .
Ground Cover *The type & amount of ground cover existing during WWII would have a substantial influence on any visual indication that may indicate UXO being present.*	The only open area of groundcover on site seems to be the small storage area at the north of the site. Items of UXO may have gone missing in this area, but its small surface area and proximity to the works would mitigate this to a certain degree. The rows of industrial properties occupying the remainder of the site area considered to be relatively conducive to the observation of UXO provided that each property was in-use and not severely damaged.

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Access Frequency *UXO in locations where access was irregular would have a greater chance of passing unnoticed than at those that were regularly occupied. The importance of a site to the war effort is also an important consideration as such sites are likely to have been both frequently visited and are also likely to have been subject to post-raid checks for evidence of UXO.*	As the site was occupied by an industrial works and a small storage yard it is likely that the site would have received a regular level of access throughout the war. The repairs which seem to have been carried out across small sections of the works provide further evidence that the site was maintained and accessed.
Damage *If buildings or structures on a site suffered bomb or fire damage any resulting rubble and debris could have obscured the entry holes of unexploded bombs dropped during the same, or later, raids. Similarly a High Explosive bomb strike in an area of open agricultural land will have caused soil disturbance, increasing the risk that a UXB entry hole would be overlooked*	1946 aerial photography and historical OS mapping seems to indicate repairs to blast damage carried out on the roofing of the works on the site as well as severe damage to the area directly west of the site, which has necessitated the clearance of this area and appears to have blown the roofs off of two structures to the north of the site. 1944 imagery also indicate small areas of repair work to parts of the roofing on site dating from an earlier period of the war. This level of damage is not anticipated to have severely affected the usage and condition of the site area.
Bomb Failure Rate	There is no evidence to suggest that the bomb failure rate in the locality of the site would have been dissimilar to the 10% normally used.
Abandoned Bombs	1st Line Defence holds no records of abandoned bombs within the site vicinity.
Bombing Decoy sites	1st Line Defence could find no evidence of bombing decoy sites within the site vicinity.
Bomb Disposal Tasks	1st Line Defence could find no evidence of Bomb Disposal Tasks within the site boundary and immediate area.

14. The Risk from Allied Military Ordnance

14.1. General

In addition to the risk from aerial delivered UXO, this report also assesses the potential risk from Allied military ordnance. Contamination from items of Land Service (LSA) and Small Arms Ammunition (SAA) may result, for example, from historic occupation of an area or its use for military training. Inner city sites can be at risk from buried unexploded Anti-Aircraft projectiles fired during WWII.

14.2. Defending London from Aerial Attack

Both passive and active defences were deployed against enemy bombers attacking targets in London.

Passive Defences	Active Defences
These included defence tactics such as: • To hinder the identification of targets, by using lighting blackouts at night and camouflaging strategic installations.	These relied on a coordinated combination of a number of installations in order to actively engage and oppose attacking aircraft. Some of these installations were:

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• To mislead bomber pilots into attacking decoy sites located away from the city with the use of dummy buildings or lighting to replicate that of the city under attack. • To force attacking aircraft to higher altitudes with the use of barrage balloons.	• Fighter aircraft to act as interceptors. • Anti-aircraft gun batteries. • The use of rockets and missiles (later during WWII).

14.3. Anti-Aircraft Artillery (AAA) and Projectiles

At the start of WWII two types of Anti-Aircraft Artillery (AAA) guns were deployed: Heavy Anti-Aircraft Artillery (HAA), using large calibre weapons such as the 3.7" QF (Quick Firing) gun and Light Anti-Aircraft Artillery (LAA) using smaller calibre weapons such as 40mm Bofors gun.

During the early war period there was a severe shortage of AAA available and older WWI 3" and modified naval 4.5" guns were deployed alongside those available 3.7" weapons. The maximum ceiling height of fire at that time was around 11,000m for the 3.7" gun and less for other weapons. As the war progressed improved variants of the 3.7" gun were introduced and, from 1942, large 5.25 inch weapons began to be brought into service. These had significantly improved ceiling heights of fire reaching over 18,000m.

The LAA batteries were intended to engage fast low flying aircraft and were typically deployed around airfields or strategic installations. These batteries were mobile and could be moved to new positions with relative ease when required. The most numerous of these were the 40mm Bofors gun which could fire up to 120 x 40mm HE shells per minute to over 1800m.

The HAA projectiles were high explosive shells, usually fitted with a time delay or barometric pressure fuze to make them explode at a pre-determined height. If they failed to explode or strike an aircraft, they would eventually fall back to earth. Details of the most commonly deployed WWII AAA projectiles are shown below:

Gun type	Calibre	Shell Weight	Shell Dimensions
3.0 Inch	76mm	7.3kg	76mm x 356mm
3.7 Inch	94mm	12.7kg	94mm x 438mm
4.5 Inch	114mm	24.7kg	114mm x 578mm
40mm	40mm	0.9kg	40mm x 311mm

Although the larger unexploded projectiles could enter the ground they did not have great penetration ability and are therefore likely to be found close to WWII ground level. These shells are frequently mistakenly identified as small German air-delivered bombs, but are differentiated by the copper driving band found in front of the base. With a high explosive fill and fragmentation hazard these items of UXO present a significant risk if encountered. The smaller 40mm projectiles are similar in appearance and effect to small arms ammunition and, although still dangerous, present a lower hazard because of a lower explosive content. They are still dangerous because they were fitted with an impact initiated fuze which was also a spin-decay self-destruct mechanism.

Numerous unexploded AAA shells were recovered during and following WWII and are still occasionally encountered on sites today.

The closest recorded HAA battery to the site was situated approximately 1.5km north-west in the vicinity of Primrose Hill.

Illustrations of Anti-Aircraft artillery, projectiles and rockets are presented at **Annex M**.

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14.4. Evaluation of Allied Military Ordnance Risk

1st Line Defence has considered the following potential sources of contamination:

Item	Conclusion
Military Camps	1st Line Defence could find no evidence of a Military Camp within the site.
Anti-Aircraft Defences	1st Line Defence could find no evidence of Anti-Aircraft Defences in the site proximity.
Home Guard Activity	Evidence of Home Guard training areas and activities is difficult to obtain. 1st Line Defence has no evidence of any Home Guard activities on the site.
Defensive Positions	There is no evidence of any defensive structures in the vicinity of the site.
Training or firing ranges	No evidence of these could be found.
Defensive Minefields	No evidence of these could be found.
Ordnance Manufacture	No evidence of ordnance manufacture could be found.
Military Related Airfields	The site was not situated within the vicinity of a military airfield.
Explosive Ordnance Clearance Tasks	1st Line Defence holds no records of EOD operations on the site.

15. Ordnance Clearance and Post-WWII Ground Works

15.1. General

The extent to which any ordnance clearance activities have taken place on site or extensive ground works have occurred is relevant since on the one hand they may indicate previous ordnance contamination but also may have reduced the risk that ordnance remains undiscovered.

15.2. UXO Clearance

1st Line Defence has no evidence that any official ordnance clearance operations have taken place on site. Note however that we have not received confirmation of this fact from 33 EOD Regiment.

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15.3. Post war Redevelopment

There has been some re-development on the site post WWII. The extent of the developments and depth of foundations can partly mitigate the UXO risk as any present items of UXO may have been uncovered during the works.

Significant post-war development on site consists of the removal of old buildings on the site and the construction of a new structure, it is unclear if any work has been carried out on the supports of the viaduct that exists above the site.

Construction of the structure on site will have most likely required some deeper foundations. The risk from deep-buried unexploded bombs is only considered mitigated at locations where post war piling or deep foundations have taken place.

16. 1st Line Defence Risk Assessment

16.1. Risk Assessment Stages

Taking into account the quality of the historical evidence, the assessment of the overall risk to the proposed works from unexploded ordnance is based on the following five considerations:

1. That the site was contaminated with unexploded ordnance.
2. That unexploded ordnance remains on site.
3. That such items will be encountered during the proposed works.
4. That ordnance may be initiated by the works operations.
5. The consequences of encountering or initiating ordnance.

UXO Risk Assessment	
Quality of the Historical Record	The research has located and evaluated pre- and post-WWII Ordnance Survey maps, London WWII ARP bomb plots from 1940 to 1945, LCC Bomb Damage Maps, St Pancras Bomb Incident Records, in-house data and post WWII era aerial photographs for the site. The record is of poor quality, with incidents recorded in bomb plot mapping generally not accounted for by the accompanying written ARP records, with the exception of major incidents.
The Risk that the Site was Contaminated with UXO	After considering the following facts, 1st Line Defence has assessed that there is a **Low Risk** that items of unexploded German air-delivered ordnance could have fallen unnoticed and unrecorded within the site boundary. • During WWII the Metropolitan Borough of St Pancras was subjected to a High Density bombing campaign, with 258.4 items falling per 1,000 acres. Areas targeted by the Luftwaffe in the proximity of the borough of St Pancras included St. Pancras and King's Cross Stations, both approximately 2.1km south-east of the site and an electricity generating station and gas works also located in the area. • London bomb census mapping indicate that the general site area was subject to several bomb strikes, including one HE bomb within or in the immediate area of the site's south-eastern boundary in 1941. A V-1 bomb strike is also plotted to the immediate west of the site area during the latter stages of the war. • RAF Aerial Photography has been collected covering the site before and after the V-1 strike to more confidently assess the damage that this initial bomb incident caused to the south-eastern section. Imagery dated prior to the V- strike seems to

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	indicate that damage consists of minor blast damage to the roofing of the structures on site and that this damage was repaired by 1944. This level of damage is not anticipated to have affected the condition or operation of structures on site for a significant period of the war. • If bombs fell within the site area immediately after the initial damage occurred in 1941 and before repairs were carried out, there is a possibility that debris could prevent the observation of UXO falling within the site area. However this possibility is considered less likely due to the seemingly minor nature damage on site before the V-1 strike, the small surface area of the site and its observability from the railway viaduct above. • The fact that the site was entirely occupied by industrial properties and only a small open yard area indicates that the site would likely have received high levels of access throughout WWII, this assessment is corroborated by the evidence of repairs to the roofing of the structures on site. It is not clear whether 3-5 Spring Place changed ownership from London Lorries (motor body builders) to General Roadways (lorry haulage) prior to or during the war – however It is considered less likely that items of UXO would have fallen unnoticed and unrecorded in such an area of high access in either case. • Large areas of clearance and severe damage are visible immediately surrounding the site area following the V-1 weapons strike in 1944. Despite the severity of this damage, including blast damage to site, here is a negligible risk that UXBs could have been obscured by the debris resulting from this incident. As bombing was rare across London after the start of the V-weapon campaign. • There is no evidence that the site formerly had any military occupation or usage that could have led to contamination with other items of ordnance.
The Risk that UXO Remains on Site	There has been some re-development on the site post WWII. The extent of the developments and depth of foundations can partly mitigate the UXO risk as any present items of UXO may have been uncovered during the works. Significant post-war development on site consists of the removal of old buildings on the site and the construction of a new structure, it is unclear if any work has been carried out on the supports of the viaduct that exists above the site. Construction of the structure on site will have most likely required some deeper foundations. The risk from deep-buried unexploded bombs is only considered mitigated at locations where post war piling or deep foundations have taken place.
The Risk that UXO may be Encountered during the Works	The most likely scenarios under which items of UXO could be encountered during construction works is during piling, drilling operations or bulk excavations for basement levels. The overall risk will depend on the extent of the works, such as the numbers of boreholes/piles (if required) and the volume of the excavations. Since an air-dropped bomb may come to rest at any depth between just below ground level and its maximum penetration depth, there is also a chance that such an item could be encountered during shallow excavations (for services or site investigations) into the original WWII ground level.
The Risk that UXO may be Initiated	The risk that UXO could be initiated if encountered will depend on its condition, how it is found and the energy with which it is struck. Certain construction activities such as piling and percussive drilling pose a greater risk of initiating UXO than, say, machine excavation where the force of impact is generally lower and the item more likely to be observed. If a UXB is struck by piling or percussive drilling equipment, the force of the impact can be sufficient to detonate the main high explosive charge irrespective of the condition of the fuze or other components. Violent vibration might also impart enough energy to a chemical detonator for it to function, and there is a potential risk that clockwork fuzes could restart.

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	If piling works are planned at 3-6 Spring Place, there is a potential risk that a UXB, if present, could be initiated. The risk of initiation is assessed to be lower for any shallow intrusive works planned.
The Consequences of Encountering or Initiating Ordnance	The repercussions of the inadvertent detonation of UXO during intrusive ground works are potentially profound, both in terms of human and financial cost. A serious risk to life and limb, damage to plant and total site shutdown during follow-up investigations are potential outcomes. If appropriate risk mitigation measures are put in place, the chances of initiating an item of UXO during ground works is comparatively low. The primary consequence of encounter of UXO will therefore be economic. This would be particularly notable in the case of a high-profile site and sites where it is necessary to evacuate the public from the surrounding area. A site may be closed for anything from a few hours to a week with potentially significant cost in lost time. It should be noted that even the discovery of suspected or possible item of UXO during intrusive works (if handled solely through the authorities), may also involve loss of production. Generally, the first action of the police in most cases will be to isolate the locale whilst awaiting military assistance, even if this turns out to have been unnecessary.

16.2. Assessed Risk Level

Taking into consideration the findings of this study, 1st Line Defence considers there to be a **Low Risk** from unexploded ordnance on the site of proposed works.

Low Risk

Though the site does seem to have sustained some minor damage throughout WWII and a V-1 fell immediately west, repairs have been carried out and it is considered likely that this property / surrounds would have been accessed throughout WWII and that checks would have been made for evidence of UXO.

Ordnance Type	Risk Level			
	Negligible	Low	Medium	High
German UXB's		✓		
Allied AAA		✓		
German Incendiaries and AP bomblets		✓		
Other Allied Military Ordnance	✓			

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17. Proposed Risk Mitigation Methodology

17.1. General

The following risk mitigation measures are recommended to support the proposed works at 3-6 Spring Place:

Type of Work	Recommended Mitigation Measure
All Works	• **Site Specific Unexploded Ordnance Awareness Briefings to all personnel conducting intrusive works.** A specialised briefing is always advisable when there is a possibility of explosive ordnance contamination. It is an essential component of the Health & Safety Plan for the site and conforms to requirements of CDM Regulations 2015. All personnel working on the site should be instructed on the identification of UXO, actions to be taken to alert site management and to keep people and equipment away from the hazard. Posters and information of a general nature on the UXO risk should be held in the site office for reference and as a reminder.

In making this assessment and recommending these risk mitigation measures, the proposed works outlined in the 'Scope of the Proposed Works' section were considered. Should the planned works be modified or additional intrusive engineering works be considered, 1st Line Defence should be consulted to see if a re-assessment of the risk or mitigation recommendations is necessary.

1st Line Defence Limited **14th July 2016**

This Report has been produced in compliance with the Construction Industry Research and Information Association (CIRIA) C681 guidelines for the writing of Detailed Risk Assessments in regard to the UXO risk.

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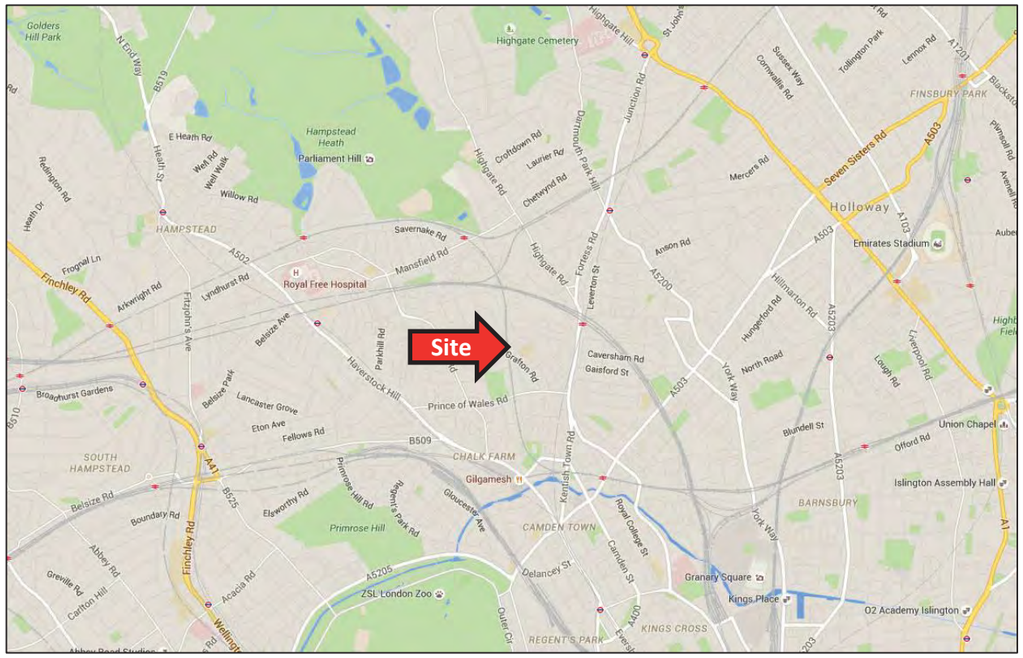
This report has been prepared by 1st Line Defence Limited with all reasonable care and skill. The report contains historical data and information from third party sources. 1st Line Defence Limited has sought to verify the accuracy and completeness of this information where possible, but cannot be held accountable for any inherent errors. Furthermore, whilst every reasonable effort has been made to locate and access all relevant historical information, 1st Line Defence cannot be held responsible for any changes to risk level or mitigation recommendations resulting from documentation or other information which may come to light at a later date.

Site Location Maps

Annex: **A**



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Email: info@1stlinedefence.co.uk
Tel: +44 (0)1992 245 020

Client: **GEA**

Project: **3-6 Spring Place**

Ref: **DA3672-00**

Source: Google Maps

Approximate site boundary

N

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Recent Aerial Photography

Annex: **B**

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Source: Google Earth ™ Mapping Services

Approximate site boundary

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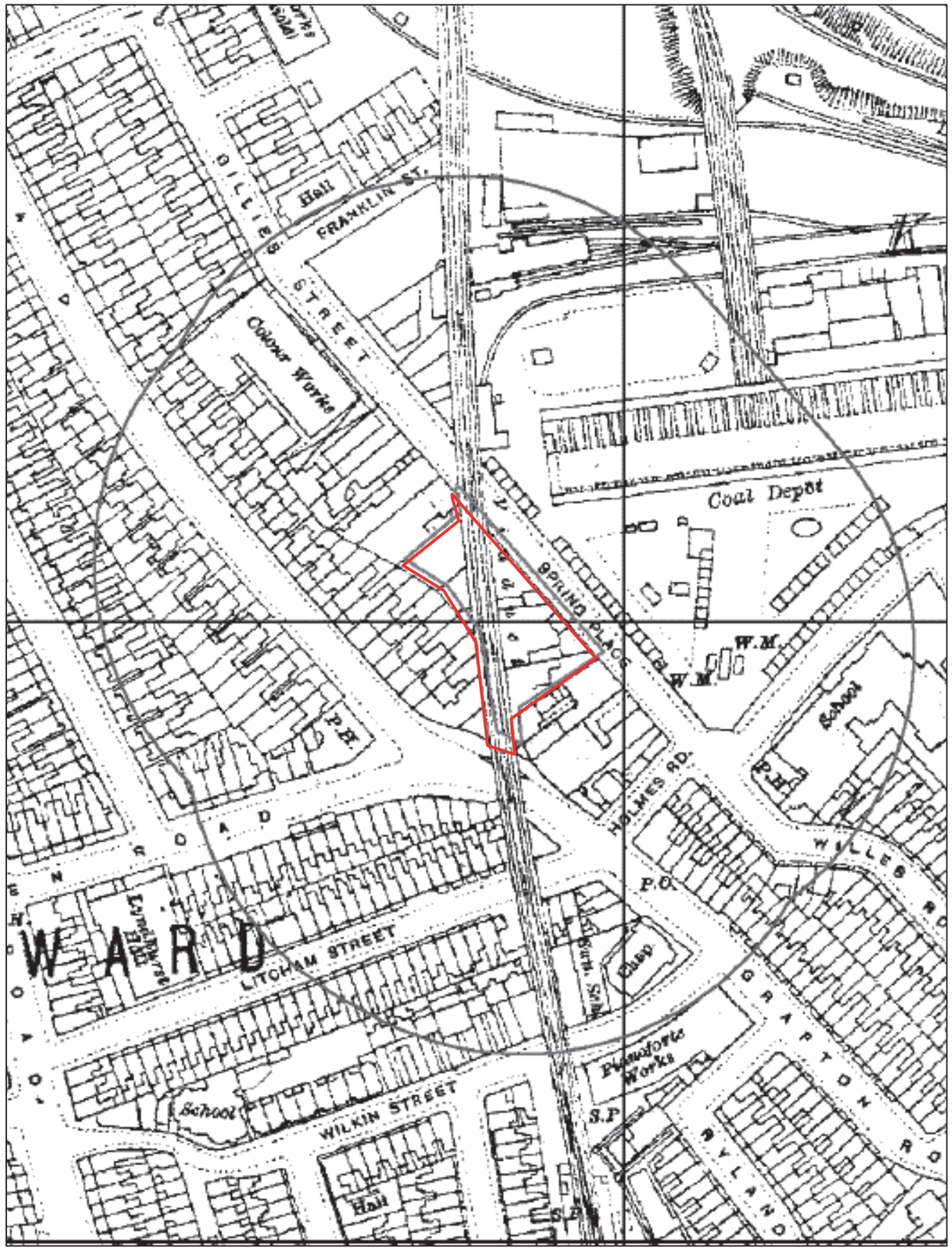
1915-1916 Historical Map

Annex: **C1**



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Source: Landmark Maps

Approximate site boundary

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1938 Historical Map

Annex: **C2**

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Approximate site boundary

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Project: **3-6 Spring Place**

Ref: **DA3672-00**

Source: NLS

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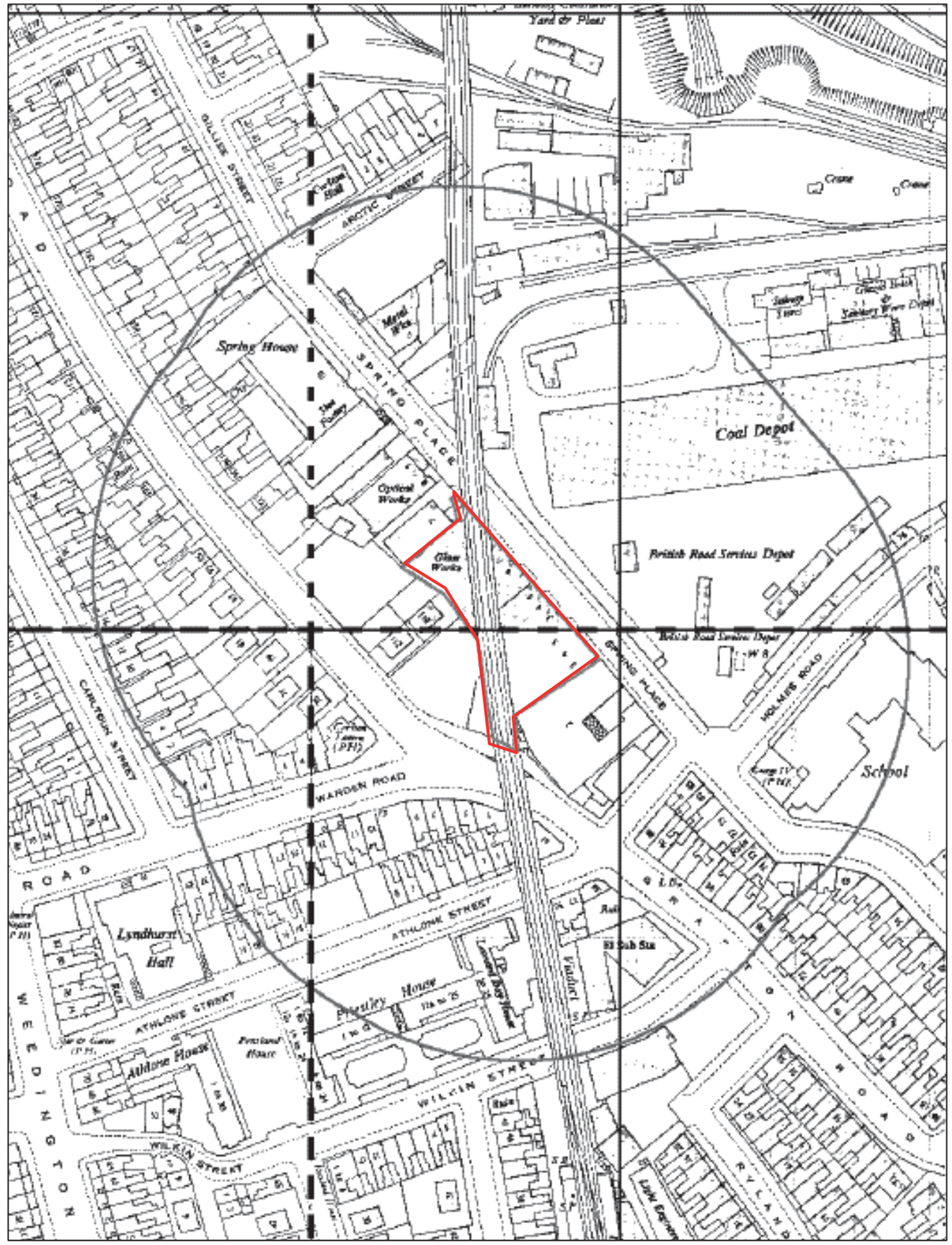
1953-1954 Historical Map

Annex: **C3**



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1966- 1968 Historical Map

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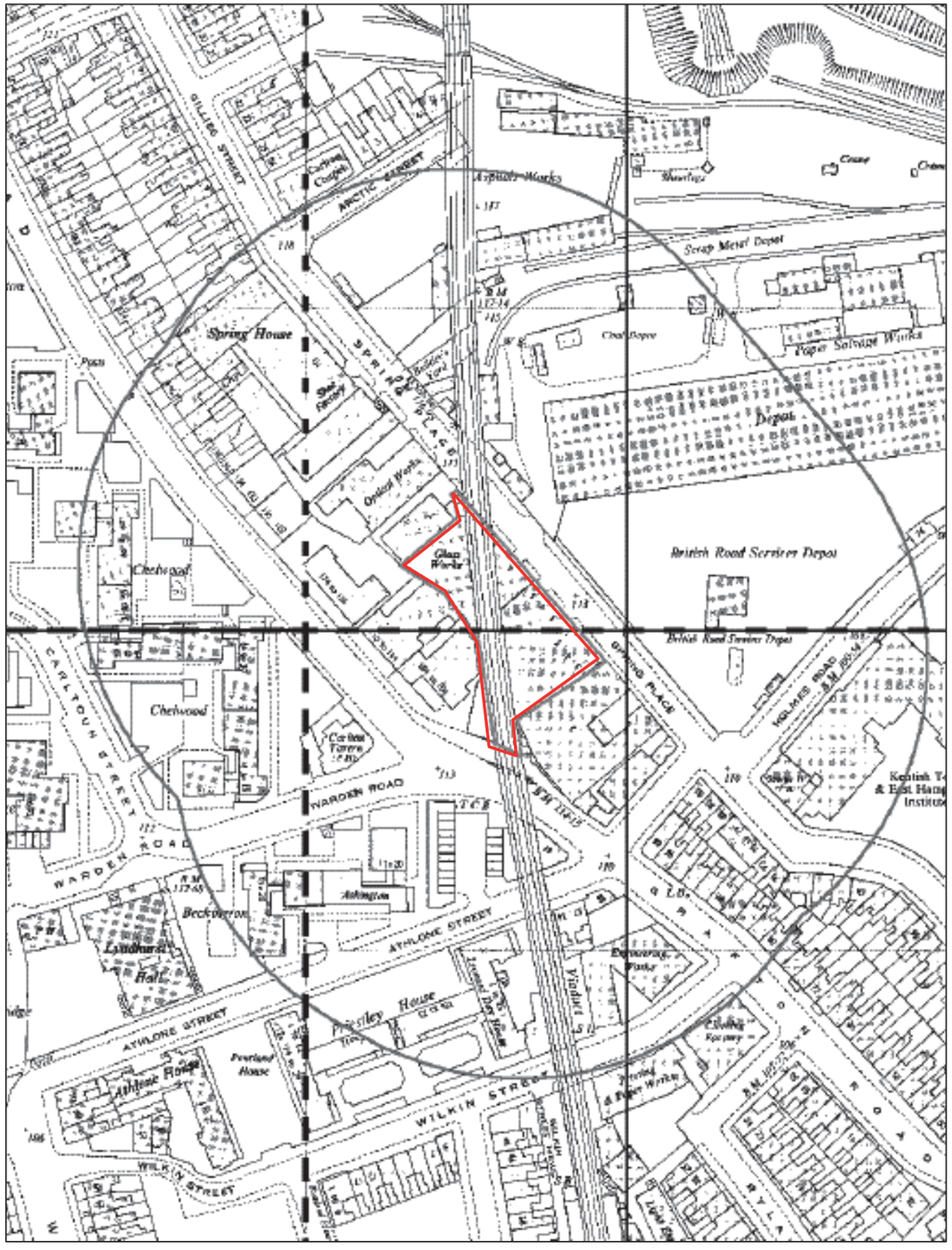

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1988 Historical Map

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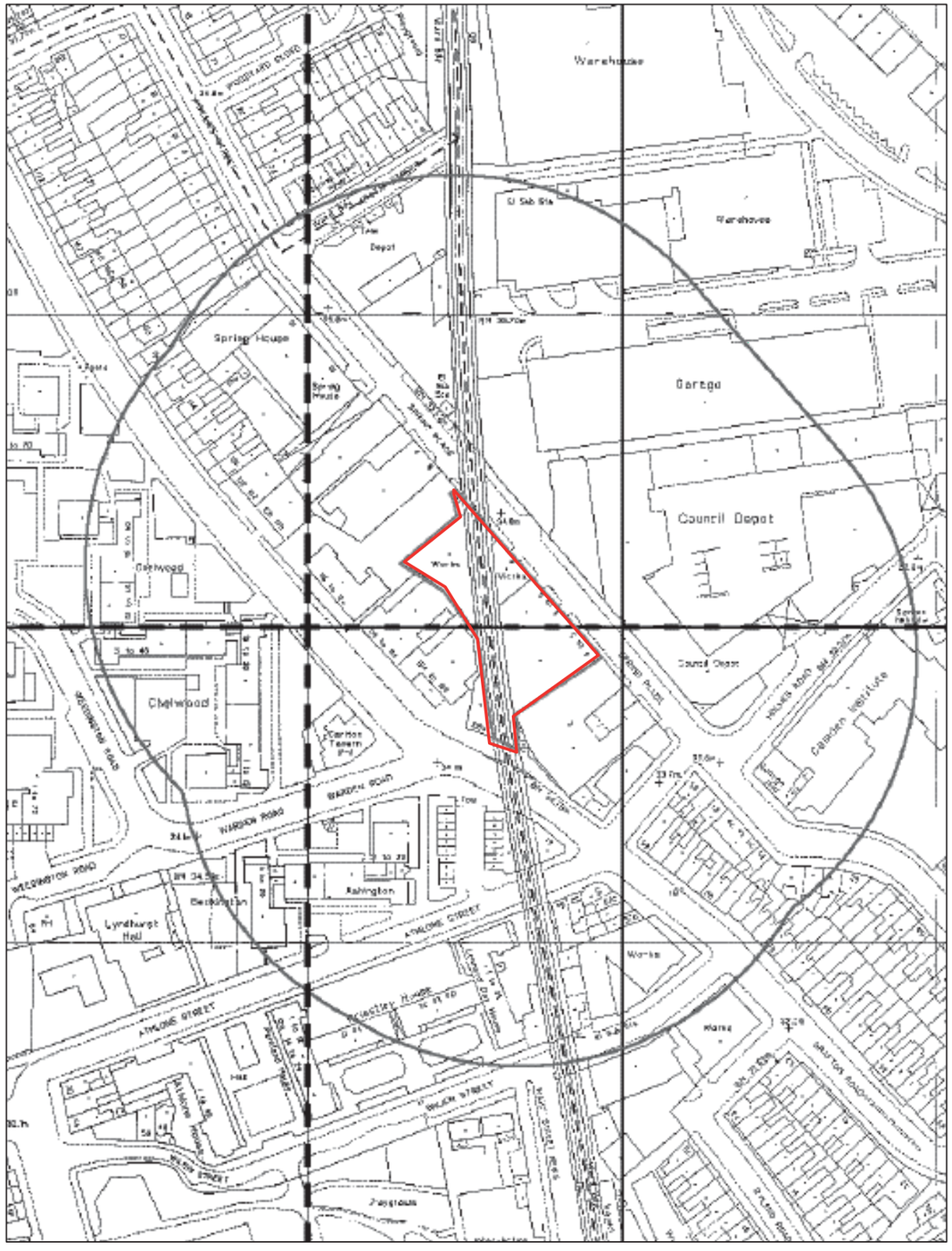

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Ref: **DA3672-00**

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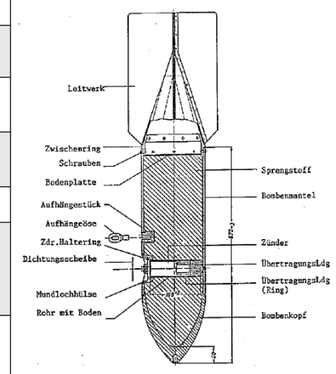
Common Types of German HE Air-Delivered Ordnance

Annex: D1

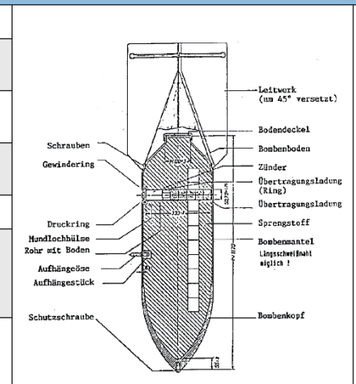
SC 50kg

Bomb Weight	40-54kg (110-119lb)
Explosive Weight	c25kg (55lb)
Fuze Type	Impact fuze/electro-mechanical time delay fuze
Bomb Dimensions	1,090 x 280mm (42.9 x 11.0in)
Body Diameter	200mm (7.87in)
Use	Against lightly damageable materials, hangars, railway rolling stock, ammunition depots, light bridges and buildings up to three stories.
Remarks	The smallest and most common conventional German bomb. Nearly 70% of bombs dropped on the UK were 50kg.



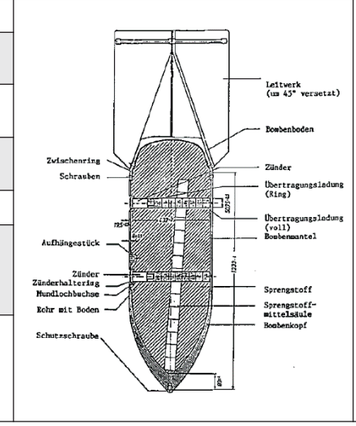
SC 250kg

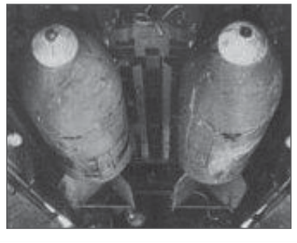
Bomb Weight	245-256kg (540-564lb)
Explosive Weight	125-130kg (276-287lb)
Fuze Type	Electrical impact/mechanical time delay fuze.
Bomb Dimensions	1640 x 512mm (64.57 x 20.16in)
Body Diameter	368mm (14.5in)
Use	Against railway installations, embankments, flyovers, underpasses, large buildings and below-ground installations.
Remarks	It could be carried by almost all German bomber aircraft, and was used to notable effect by the Junkers Ju-87 Stuka (Sturzkampfflugzeug or dive-bomber).



SC 500kg

Bomb Weight	480-520kg (1,058-1,146lb)
Explosive Weight	250-260kg (551-573lb)
Fuze Type	Electrical impact/mechanical time delay fuze.
Bomb Dimensions	1957 x 640mm (77 x 25.2in)
Body Diameter	470mm (18.5in)
Use	Against fixed airfield installations, hangars, assembly halls, flyovers, underpasses, high-rise buildings and below-ground installations.
Remarks	40/60 or 50/50 Amatol TNT, trialene. Bombs recovered with Trialen filling have cylindrical paper wrapped pellets 1-15/16 in. in length and diameter forming





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Source: Various sources

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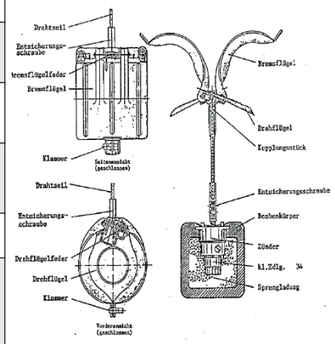
Common Types of German HE Air-Delivered Ordnance

Annex: D2

SD2 Butterfly Bomb

Bomb Weight	2kg (4.41lb)
Explosive Weight	7.5oz (225 grams) of TNT surrounded by a layer of bituminous composition.
Fuze Type	41 fuze (time) , 67 fuze (clockwork time delay) or 70 fuze (anti-handling device)
Bomb Dimensions	Length 240 mm Width 140 mm Height 310 mm
Body Diameter	3in (7.62 cm) diameter, 3.1in (7.874) long
Use	It was designed as an anti-personnel/fragmentation weapon. They were delivered by air, being dropped in containers that opened at a predetermined height, thus scattering the bombs.
Remarks	The smallest and most common conventional German bomb. Nearly 70% of bombs dropped on the UK were 50kg.

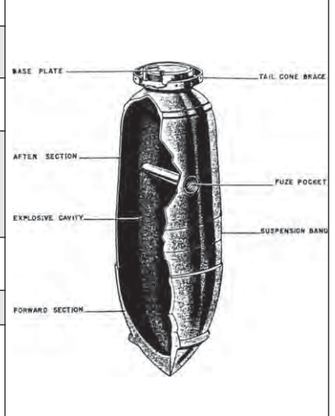


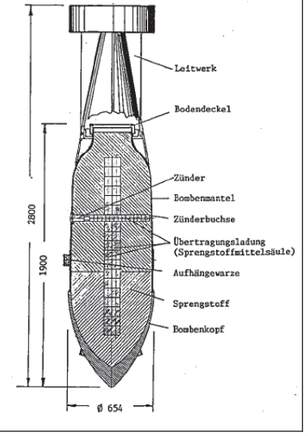
Parachute Mine (Luftmine B / LMB)

Bomb Weight	987.017kg (2176lb)
Explosive Weight	125-130kg (276-287lb)
Fuze Type	Impact/ Time delay / hydrostatic pressure fuze
Bomb Dimensions	1640 x 512mm (64.57 x 20.16in)
Body Diameter	368mm (14.5in)
Use	Against civilian, military and industrial targets. Designed to detonate above ground level to maximise damage to a wider area.
Remarks	Parachute Mines were normally carried by HE 115 (Naval operations), HE 111 and JU 88 aircraft types. Deployed a parachute when dropped in order to control its descent.

SC 1000kg

Bomb Weight	996-1061kg (1,058-1,146lb)
Explosive Weight	530-620kg (551-573lb)
Fuze Type	Electrical impact/mechanical time delay fuze.
Filling	Mixture of 40% amatol and 60% TNT, but when used as an anti-shipping bomb it was filled with Trialen 105, a mixture of 15% RDX, 70% TNT and 15% aluminium powder.
Bomb Dimensions	2800 x 654mm (77 x 25.2in)
Body Diameter	654mm (18.5in)
Use	SC type bombs are General Purpose Bombs used primarily for general demolition work. Constructed of parallel walls with comparatively heavy noses. They are usually of three piece welded construction





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Source: Various sources

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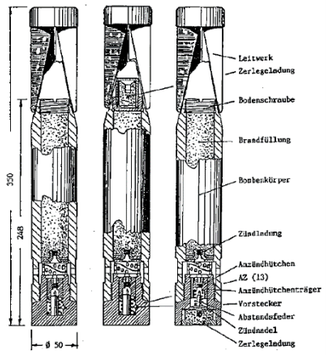
German Incendiary Bombs

Annex: D3

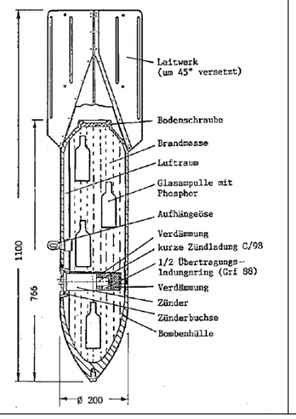
1kg Incendiary Bomb

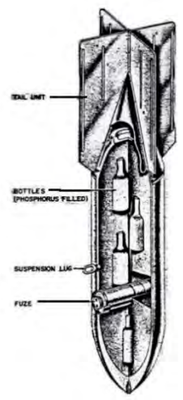
Bomb Weight	1.0 and 1.3kg (2.2 and 2.87lb)
Explosive Weight	680gm (1.3lb) Thermite
Fuze Type	Impact fuze
Bomb Dimensions	350 x 50mm (13.8 x 1.97in)
Body Diameter	50mm (1.97in)
Use	As incendiary – dropped in clusters against towns and industrial complexes
Remarks	Magnesium alloy case. Sometimes fitted with high explosive charge. The body is a cylindrical alloy casting threaded internally at the nose to receive the fuze holder and fuze.



C50 A Incendiary Bomb

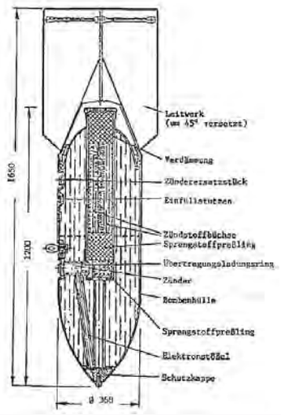
Bomb Weight	c41kg (90.4lb)
Explosive Weight	0.03kg (0.066lb)
Incendiary Filling	12kg (25.5lb) liquid filling with phosphor igniters in glass phials. Benzine 85%; Phosphorus 4%; Pure Rubber 10%
Fuze Type	Electrical impact fuze
Bomb Dimensions	1,100 x 280mm (43.2 x 8in)
Use	Against all targets where an incendiary effect is to be expected
Remarks	Early fill was a phosphorous/carbon disulphide incendiary mixture





Flam C-250 Oil Bomb

Bomb Weight	125kg (276lb)
Explosive Weight	1kg (2.2lb)
Fuze Type	Super-fast electrical impact fuze
Filling	Mixture of 30% petrol and 70% crude oil
Bomb Dimensions	1,650 x 512.2mm (65 x 20.2in)
Body Diameter	368mm (14.5in)
Use	Often used for surprise attacks on living targets, against troop barracks and industrial installations. Thin casing – not designed for ground penetration



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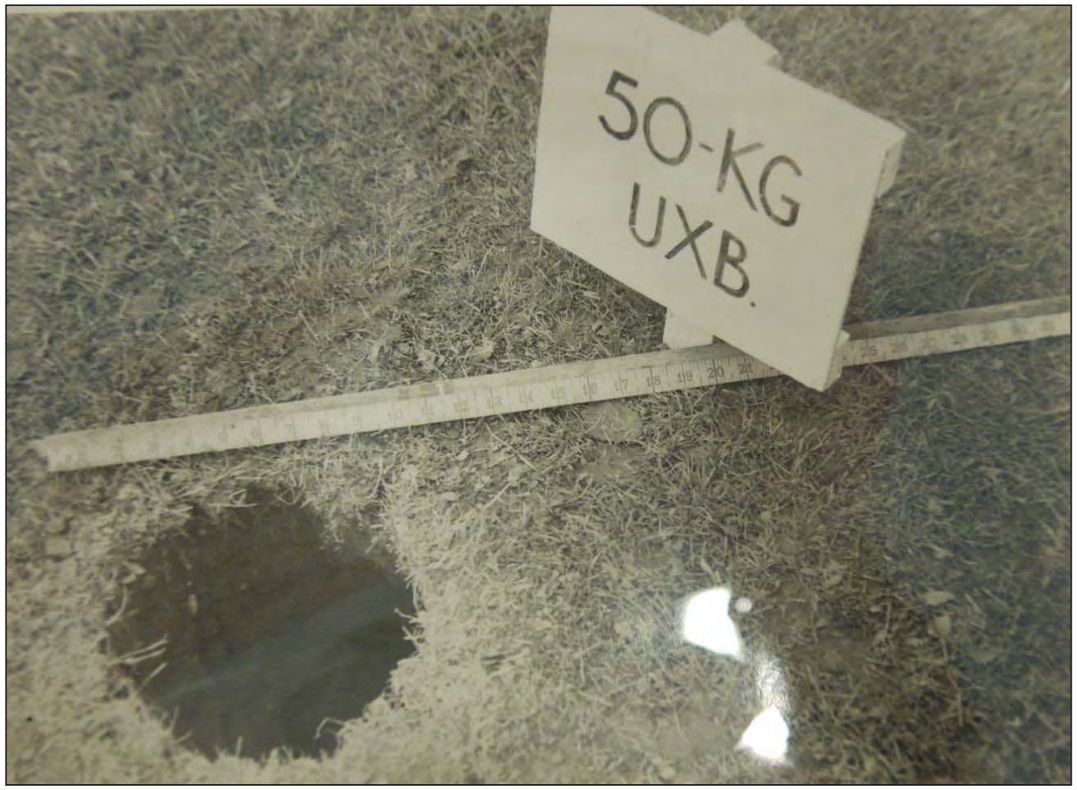
50kg Bomb Entry Hole

Annex: E



German 50kg HE Bomb Entry Hole

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Examples of UXO Incidents in the UK

Annex: **F1**

LIVE BBC NEWS CHANNEL

Page last updated at 14:45 GMT, Friday, 22 May 2009 15:45 UK

E-mail this to a friend Printable version

Building site WWII bomb exploded

A controlled explosion has been carried out on a World War II bomb found on a building site in East Sussex.

The 110lb (50kg) SC50 bomb, thought to have been dropped from a German aircraft in 1940 or 1941, was found at the Hollenden House site in Bexhill.

Children at St Peter and St Paul Primary School next door in Buckhurst Road were sent home early after the discovery on Thursday.

Police said a 160ft (50m) cordon was put round the site during the blast.

Breaking News: UXB in Beckton - controlled explosion ends the drama

Colin Grainger , Editor
Sunday, December 19, 2010
9:32 AM

The World War Two bomb that was found on the 2012 Olympic site in Stratford back in 2009. Picture: Steve Poston

Recommend 0 Tweet 3

+1 Recommend this on Google

Bomb disposal experts carried out a controlled explosion last night on a 250kg World War II shell discovered at Britain's largest sewage works.

Bomb disposal experts carried out a controlled explosion last night on a 250kg World War II shell discovered at Britain's largest sewage works.

The bomb was found at Beckton sewage works off Jenkins Lane after surveyors preparing the site for a £200m expansion detected an unusual magnetic force underground on Saturday morning.

The Thames Water workers immediately alerted police and army ordnance experts, who attended the site and confirmed it was an unexploded German warhead.

A 400-metre exclusion zone was set up before the bomb was destroyed at the works under controlled conditions at 9pm on Saturday.

Second World War bomb which caused commuter chaos has been diffused

By DAILY MAIL REPORTER
Last updated at 4:42 PM on 06th June 2008

Comments (0) Share +1 0 Tweet 0 Like 3

An unexploded Second World War bomb which forced the closure of a number of transport routes in the capital was defused today.

Army experts worked to disarm the 2,000lb UXB faced delays after discovering metal used to make the Second World War device was thicker than expected.

This morning, however, military engineers managed to cut through the casing of the bomb, which measures 5ft by 2ft, enabling them to begin 'steaming' the explosive inside to make it safe.

Effort: Army experts' machines and the unexploded bomb in East London

Commuters faced the prospect of more Tube chaos, however, as lines near the danger area were closed.

The bomb, which is lying on a gas main just 50 yards from the main sewage pump for east London, was unearthed by a mechanical digger on Monday in the banks of the Lea in Bromley-by-Bow near the Olympic site.

Construction workers made the discovery while widening the bank to take barges for the 2012 Games village construction.

It had lain dormant there for more than 60 years.

Holiday beach cordoned off after landslip sends more than a THOUSAND Second World War bombs and rockets tumbling onto the sands

- **Bad weather led to ground movement which exposed the huge arsenal at Mappleton, East Riding**
- **A dog walker stumbled across the deadly find on Saturday and 15 controlled explosions were carried out**
- **Rockets, mortar bombs and 25-pounder bombs were recovered after they were fired into the cliffs by RAF aircraft during the war**
- **Most of the devices were dummy rounds used for bombing practice but contain enough explosives to cause terrible injuries**

By EMILY ALLEN and MARK BRANAGAN

PUBLISHED: 08:11, 23 July 2012 | **UPDATED:** 02:42, 24 July 2012

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Examples of Unexpected Detonation of WWII Bombs

Annex: **F2**

BASF has confirmed that an explosive device, most likely a World War II-era bomb, caused the blast that left one person injured Tuesday at a plant construction site in Germany.

The explosion was reported at BASF's Ludwigshafen toluene diisocyanate (TDI) plant, which recently broke ground for a 300,000 metric tons per year TDI production plant and other construction to expand its facilities.

1st March 2013

BASF is expanding their its Ludwigshafen location by expanding several plants and building a TDI plant, which was the site of an explosion on Tuesday (Feb. 26). One person was injured in the blast, which BASF believes was caused when excavation work detonated a bomb.

Early reports had speculated that excavation work had detonated a bomb from World War II. While the age of the bomb has not been confirmed, BASF has said that an explosive device was detonated.

BASF Provides Some Details

Responding to a request from *PaintSquare News* for more information on Wednesday (Feb. 27), BASF's manager of media relations and corporate communications Europe, Ursula von Stetten, wrote in an email, "So here [are] the facts: The detonation took place at 10:00 a.m. One person was injured; the injury is not serious. He will be kept in the hospital for some days.

"Cause of the detonation was an explosive device, presumably a bomb deriving from the Second World War. The device detonated when grounding work was done. No details on [a] delay [are] available. At the moment, the exact circumstances of the incident are [being] evaluated."

World War II Bomb Explodes on German Motorway

A highway construction worker in Germany accidentally struck an unexploded World War II bomb, causing an explosion which killed him and wrecked several passing cars.

Tweet 0 Recommend 1

23rd October 2006

AP

A cutting machine lies wrecked by the side of the A3 motorway next to a small crater left by the explosion.

A World War II bomb has exploded during construction work on a German highway, killing one worker and injuring several motorists who were driving past, police said.

The worker had been cutting through the road surface near the south-western town of Aschaffenburg when his machine struck the bomb and triggered it. Police said they weren't sure yet what type of bomb it was. "The explosion seems to have been too small for it to have been an aircraft bomb," a police spokesman said.

The A3 Autobahn linking the cities of Frankfurt and Würzburg has been blocked in both directions.

More than 60 years since the end of World War II, construction workers still frequently unearth unexploded bombs and it is not uncommon for whole city districts to be cordoned off and even evacuated while bomb disposal experts defuse them.

Indeed, just last week, some 22,000 people were evacuated from their homes in Hanover when three World War II bombs were discovered.

Allied pilots rained nearly 2 million tons of explosives on Germany during the war. Landmines, hand grenades, mortar bombs and anti-tank devices from the fighting on German soil at the end of the war are also found, and authorities say it will take decades before the country is cleared of duds.

Between 400 and 600 bombs are discovered a year in the state of North Rhine-Westphalia alone, where the heavily industrialized Ruhr region was a major target for Allied bombers.

19th September 2013

WWII bomb injures 17 at Hattingen construction site

Published: 19 Sep 08 16:53 CET

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Seventeen people were injured on Friday when a construction crew unwittingly detonated a buried World War II-era bomb in Hattingen.

- Liberals grit teeth ahead of May state election (17 Mar 12)
- Nazi death camp guard Demjanjuk dies (17 Mar 12)
- Stupid stunt causes bomb scare chaos (16 Mar 12)

An excavator apparently drove over a 250-kilogramme (550 pound) American bomb, damaging surrounding buildings. Most of the injured suffered auditory trauma from the blast, and the excavator operator suffered injuries to his hands, police in the German state of North Rhine-Westphalia said.

"The hole was astoundingly small for such a large bomb full of so many explosives," Armin Gebhard, head of the Arnsberg department for military ordnance removal, told The Local. "But of course it damaged all the surrounding buildings too. We are really happy it wasn't worse."

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2 June 2010 Last updated at 15:37 Share

World War II bomb kills three in Germany

Three people have been killed and six injured trying to defuse a World War II bomb in central Germany.

2nd June 2010

All the victims were involved in an operation to defuse the bomb

Workers building a sports stadium had earlier unearthed the bomb in the town of Goettingen.

It was not immediately clear why the bomb, reportedly weighing 500kg (1,100lb), had detonated.

Unexploded WWII bombs dropped by Allied planes are frequently found in Germany, though it is unusual for them to explode unexpectedly.

A special commission is investigating the causes of the explosion, while prosecutors are considering whether the team leader should face charges of manslaughter through culpable negligence, the BBC's Oana Lungescu reports from Berlin.

The blast happened an hour before the defusing operation was due to start.

Officials said the three men who died were experienced sappers, or combat engineers, who over 20 years had defused up to 700 bombs.

More than 7,000 people were immediately evacuated when the 500kg bomb was found. Several schools, a kindergarten and local companies remain closed.

June 2006

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Recent Example of UXB Discovery – March 2015

Annex: **F3**

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Bermondsey bomb: World War Two device safely removed

24 March 2015 | London

An unexploded World War Two bomb found in south London has been driven away safety under police and Army escort. The 500lb (250kg) device was found on a building site in Grange Walk, Bermondsey on Monday. Two primary schools were closed and hundreds of homes were evacuated as a precaution.

A cordon and 656ft (200m) exclusion zone was lifted at about 18.15 GMT as the bomb was removed to a quarry in Kent to be detonated, police said.

The Metropolitan Police force said the device was a "SA" 250kg WWII German air-dropped bomb, known to the Army's Royal Logistic Corps bomb disposal experts.

London Fire Brigade said that between 2009 and 2014 it was called to seven unexploded Second World War bombs and five unexploded hand grenades.

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Recent Examples of UXO Discovery – 2015 and 2016

Annex: **F4**

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Wembley WW2 live bomb poses 'risk to life'

An unexploded World War Two bomb uncovered by builders near Wembley Stadium poses "a genuine risk to life", the Army says.

Homes and businesses have been evacuated and the Army has built a blast wall around the bomb in case it goes off accidentally.

The 50kg (110lb) device, thought to date from the early 1940s German air raids on London, was found on Thursday.

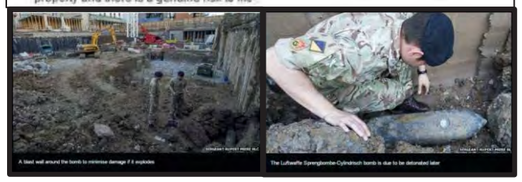
Empire Way is partially closed and a 400m cordon has been erected.

The evacuated businesses are believed to include the TV studio where Britain's Got Talent is filmed.

An Army spokesman said: "This bomb is a live munition in a potentially dangerous condition so it's important that people listen to the police and evacuate their homes if asked.

"We will do all we can to minimise the disruption, but ask the public to bear with us.

"Any bomb, even under a controlled explosion, could cause significant damage to property and there is a genuine risk to life."



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Bath WW2 bomb scare: Hundreds of homes evacuated

13 May 2016 | Somerset

Builders found the suspected World War Two bomb on Thursday afternoon

Hundreds of people may have to spend a second night away from their homes after a suspected unexploded World War Two bomb was discovered in Bath.

Up to 1,000 homes have been evacuated and a 300m exclusion zone is in place following the find in Lansdown Road.

According to reports, a 500lb (228kg) bomb was found just a metre beneath a playground at the former Royal High Junior School.

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England | Regions | Coventry & Warwickshire

Coventry 'WW2 bomb' detonated in controlled explosion

23 September 2015 | Coventry & Warwickshire

Police said there was some "tidying up" to do after the explosion

A suspected World War Two bomb has been detonated in a controlled explosion more than 24 hours after it was first discovered on a building site.

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Bethnal Green WW2 bomb: Attempts continue to defuse device

11 August 2015 | London

Bomb disposal experts worked through the night at the scene

Experts are continuing their work to try to defuse an unexploded World War Two bomb which prompted the evacuation of 150 people in east London.

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‘Unexploded WW2 bomb’ uncovered in London garden

Simon Robb for Metro.co.uk Monday 30 May 2016 5:37 pm

Scenes of ‘drama and chaos’ unfolded as police investigated a suspected unexploded WW2 bomb found in a north London garden.

Several roads were cordoned off including Hampstead High Street after police were called out to a suspected antique bomb.

A resident was doing their gardening when they stumbled upon the ‘large metal object’ this afternoon.

Hollyoaks actor Jared Garfield called the incident ‘mad’ in a tweet.

Sam Richardson, 40, who lives in Hampstead, told Mirror Online is was ‘dramatic and exciting’.

He said: ‘They set up a 100m parameter until the bomb was either removed or deactivated.

‘They did say it was going to be dealt with very very quickly – if it hasn’t gone off in the past 70 years it’s not likely to be much danger, I guess.’

Other people close to the scene flocked to social media.

Some tweeters described the scene as ‘chaos’ and ‘crazy’.

One woman said she was stuck in a coffee shop while police investigated.

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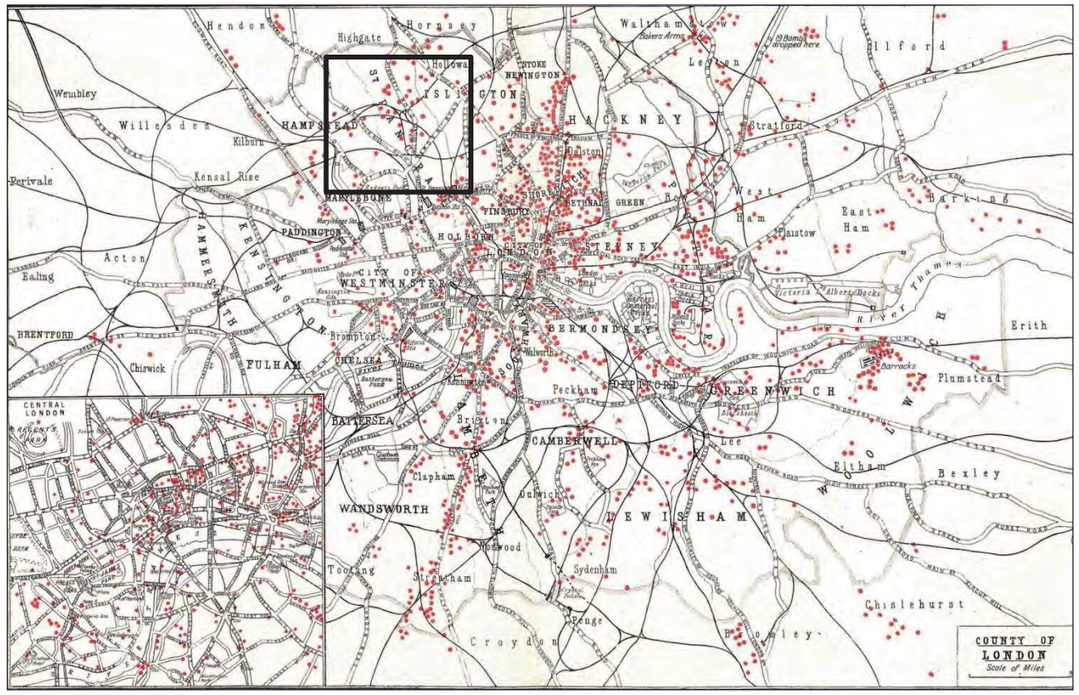

Examples of 50 and 100kg German WWI bombs

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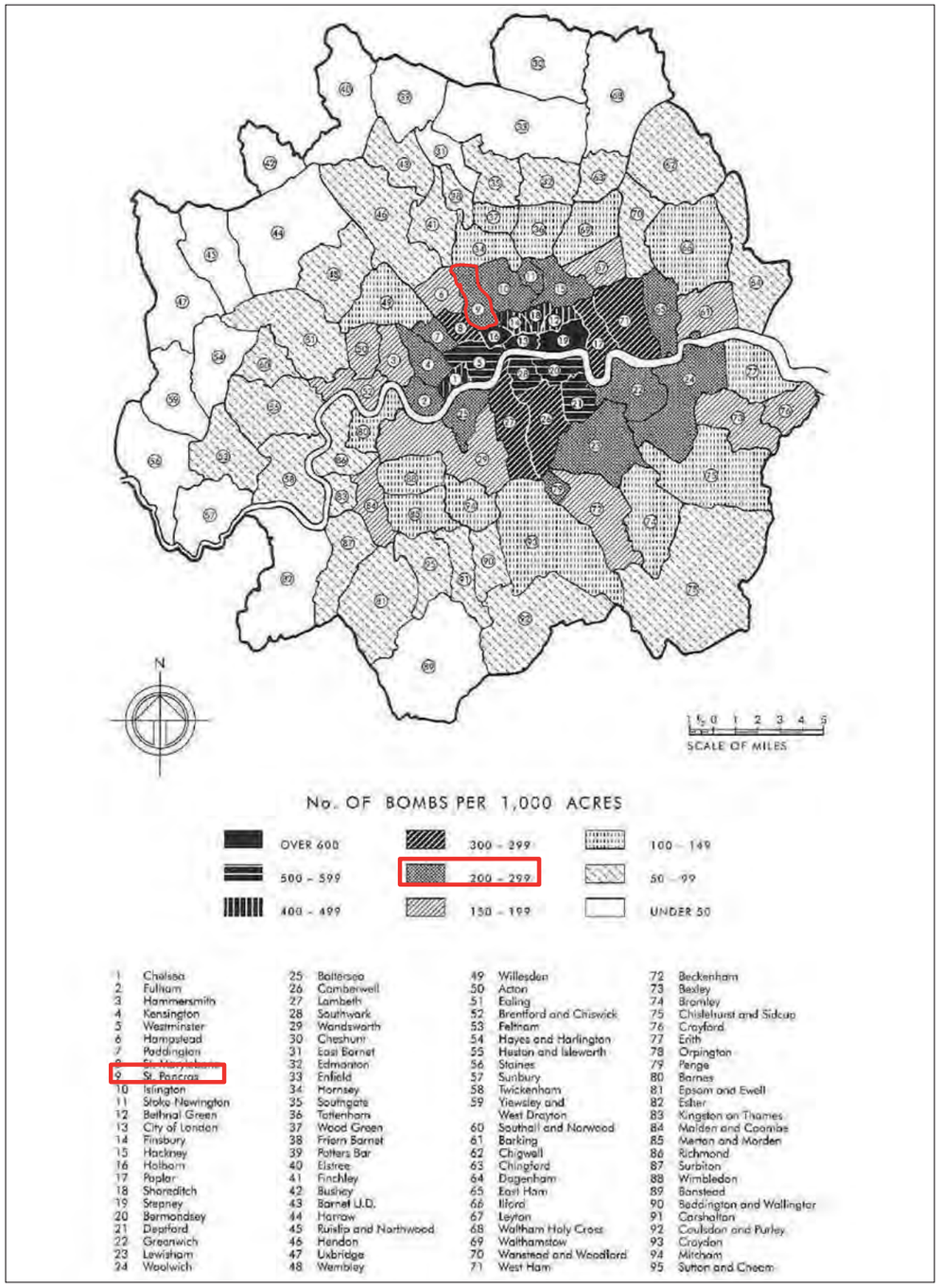
London WWII Bomb Density Map

Annex: H



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Ref: **DA3672-00**

Source: The London Metropolitan Archives

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Consolidated London Bomb Census Mapping

Annex: I1

Night Bombing up to 7th October 1940

Night Bombing - 7th October 1940 to 28th July 1941

Recorded bomb strike

Approximate site boundary

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Source: The National Archives, Kew

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Night Bombing 7th – 14th October 1940

CARLTON STREET
ROAD
GILLIES ST.
ROAD
ASHDOWN
ROAD
WEEDINGTON
ROAD
ROAD
CROWNFIELD
ROAD
ROAD
ROA

London V-1 Flying Bomb Map

Annex: J

V1 Flying Bomb

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Approximate site boundary

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Project: **3-6 Spring Place**

Ref: **DA3672-00**

Source: The National Archives, Kew

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London County Council Bomb Damage Map

Annex: K

Black	Total destruction	Orange	General blast damage; not structural
Purple	Damage beyond repair	Yellow	Blast damage, minor in nature
Dark Red	Seriously damaged; doubtful if repairable	Light Green	Clearance areas
Light Red	Seriously damaged, but repairable at cost		

V1 Flying Bomb

V2 Long Range Rocket

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RAF Aerial Photography 7th August 1944

Annex: **L1**

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Ref: **DA3672-00**

Source: National Monuments Record Office (Historic England)

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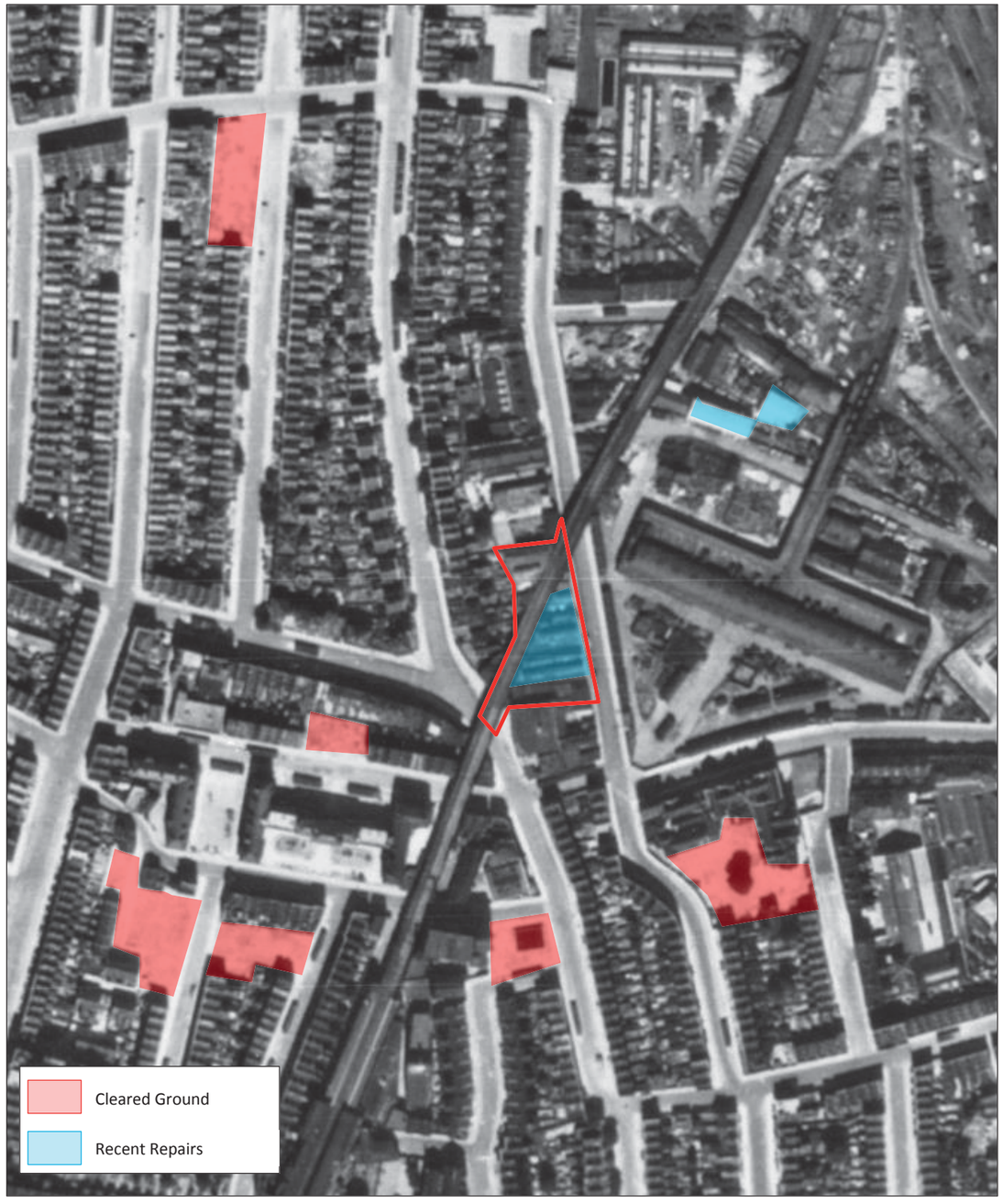
RAF Aerial Photography 7th August 1944 – Damage Overlay

Annex: **L2**



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Approximate site boundary

Ref: **DA3672-00**

Source: National Monuments Record Office (Historic England)

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RAF Aerial Photography 2nd April 1946

Annex: **L3**

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Project: **3-6 Spring Place**

Ref: **DA3672-00**

Source: National Monuments Record Office (Historic England)

Approximate site boundary

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RAF Aerial Photography 2nd April 1946- – Damage Overlay

Annex: **L4**

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Client: **GEA**

Project: **3-6 Spring Place**

Ref: **DA3672-00**

Source: National Monuments Record Office (Historic England)

Approximate site boundary

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Anti-Aircraft Projectiles

Annex: **M**

QF 3.7 Inch WWII Anti-Aircraft Projectile

Projectile Weight	28lb (12.6 kg)
Explosive Weight	2.52lbs
Fuze Type	Mechanical Time Fuze
Dimensions	3.7in x 14.7in (94mm x 360mm)
Rate of Fire	10 to 20 rounds per minute
Use	High Explosive Anti-Aircraft projectile. 4.5in projectiles were also used in this role.
Ceiling	30,000ft to 59,000ft

40mm Bofors Projectile

Projectile Weight	1.96lb (0.86kg)
Explosive Weight	300g (0.6lb)
Fuze Type	Proximity and Mechanical Time Fuze
Rate of Fire	120 rounds per minute
Projectile Dimensions	40mm x 310mm (1.6in x 12.2in)
Ceiling	23,000ft (7000m)

Unrotated Projectile (UP) – Z Battery

Projectile Weight	84lb (24.5kg)
Warhead Weight	4.28lb (1.94kg)
Warhead	Aerial Mine with a No. 700 / 720 fuze
Filling	High Explosive
Dimensions	1930mm x 82.6mm (76 x 3.25in)
Use	As a short range rocket-firing anti-aircraft weapon developed for the Royal Navy. It was used extensively by British ships during the early days of World War II. The UP was also used in ground-based single and 128-round launchers known as Z Batteries.

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Project: **3-6 Spring Place**

Ref: **DA3672-00**

Source: Various sources

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