

Job No.	Sheet No.	Rev.
Drg. Ref.		
Made by	Date	Checked Date

Titles

Job No.:
Job Title:
Sub-title:
Calculation Heading:
Initials:
Checker:
Date Saved:
Date Checked:
Notes:
File Name: GWPR5173 Pdisp Model 2.pdd
File Path: C:\Users\RobertTerrell\Ground and Water Limited\GWShare - Documents\Project Files\GWPR5151 - GWPR5200\GWPR5173 71 Avenue Road, London, NW8 6HP\Modelling\10 2023

History

Date	Time	By	Notes
28-Feb-2023	12:19	RobertTerrell	New
28-Feb-2023	12:54	RobertTerrell	
25-Apr-2023	15:34	RobertTerrell	
15-Aug-2023	16:33	RobertTerrell	
02-Nov-2023	12:24	RobertTerrell	

Analysis Options

General

Global Poisson's ratio: 0.20
 Maximum allowable ratio between values of E: 1.5
 Horizontal rigid boundary level: -82.52 [m OD]
 Displacements at load centroids: Yes
 GSA piled raft data : No

Elastic

Elastic : Yes
 Analysis: Mindlin
 Calculate horizontal displacements: Yes
 Stiffness for horizontal displacement calculations: Weighted average
 Using legacy heave correction factor: Yes
 Soil above horizontal load on horizontal plane dampens displacements below load: Yes
 Soil above vertical load on horizontal plane dampens displacements below load: No

Consolidation

Consolidation : No

Soil ProfilesST

Layer ref.	Name	Level at top	Number of intermediate displacement levels	Youngs Modulus : Top	Youngs Modulus : Btm.	Poissons ratio	Non-linear curve
		[mOD]		[kN/m ²]	[kN/m ²]		
1	1	0.0	5	10000.	10000.	0.45000	None
2	2	-0.20000	5	18576.	80000.	0.45000	None
3	3	-19.169	40	80000.	80000.	0.45000	None

Soil ProfilesLT

Layer ref.	Name	Level at top	Number of intermediate displacement levels	Youngs Modulus : Top	Youngs Modulus : Btm.	Poissons ratio	Non-linear curve
		[mOD]		[kN/m ²]	[kN/m ²]		
1	1	0.0	5	10000.	10000.	0.20000	None
2	2	-0.20000	5	13932.	60000.	0.20000	None
3	3	-19.169	40	60000.	60000.	0.20000	None

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Layer ref.	Name	Level at top	Number of intermediate displacement levels	Youngs Modulus : Top	Youngs Modulus : Btm.	Poissons ratio	Non-linear curve
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Soil Zones

Zone	Name	X min [m]	X max [m]	Y min [m]	Y max [m]	Profile
1	1	-75.000	75.000	-75.000	75.000	ST

Polygonal Load Data

Load ref.	Name	Position : Level	Position : Polygon	Coords. : Polygon	Position : Rect. tolerance	No. of Rectangles	Value : Normal (local z)
		[m]	[m]	[m]	[%]		[kN/m ²]
1	Demolition	0.00000	(0,0)	(26.6,0) (26.6,-12.2) (13.3,-12.2) (13.3,-6.4) (0,-6.4) (0,0)	10.000	2	-60.000
2	Mass Excavation	-6.40000	(0,4.9)	(26.6,4.9) (26.6,-12.2) (0,-12.2) (0,4.9)	10.000	1	-121.60
3	Slab	-6.40000	(0,4.9)	(26.6,4.9) (26.6,-12.2) (0,-12.2) (0,4.9)	10.000	1	10.000

Polygonal Loads' Rectangles

No.	Centre x [m]	Centre y [m]	Angle of local x from global X [Degrees]	Width [m]	Depth [m]
Load 1 : Demolition					
(Edge 2 optimal)					
1	13.30000	-3.20000	-90.000	6.4000	26.600
2	19.95000	-9.30000	-90.000	5.8000	13.300
Load 2 : Mass Excavation					
(Edge 2 optimal)					
1	13.30000	-3.65000	-90.000	17.100	26.600
Load 3 : Slab					
(Edge 2 optimal)					
1	13.30000	-3.65000	-90.000	17.100	26.600

Displacement Lines

Name	X1 [m]	Y1 [m]	Z1 [m]	X2 [m]	Y2 [m]	Z2 [m]	Intervals [No.]	Calculate	Detailed Results
1	20.00000	-12.20100	0.00000	20.00000	-15.55000	0.00000	3	Yes	No
2	20.00000	-15.55000	0.00000	27.40000	-15.50000	0.00000	6	Yes	No
3	27.40000	-15.50000	0.00000	27.40000	-24.10000	0.00000	8	Yes	No
4	27.40000	-24.10000	0.00000	20.00000	-24.10000	0.00000	6	Yes	No
5	20.00000	-24.10000	0.00000	20.00000	-29.30000	0.00000	4	Yes	No
6	20.00000	-29.30000	0.00000	23.00000	-29.30000	0.00000	3	Yes	No
7	23.00000	-29.30000	0.00000	23.00000	-41.90000	0.00000	10	Yes	No
8	23.00000	-41.90000	0.00000	35.90000	-41.90000	0.00000	10	Yes	No
9	35.90000	-41.90000	0.00000	35.90000	-49.40000	0.00000	5	Yes	No
10	35.90000	-49.40000	0.00000	12.50000	-49.40000	0.00000	15	Yes	No
11	12.50000	-49.40000	0.00000	12.50000	-12.20100	0.00000	23	Yes	No
12	-10.40000	-1.00000	0.00000	-24.10000	-1.00000	0.00000	10	Yes	No
13	-24.10000	-1.00000	0.00000	-24.10000	-16.30000	0.00000	10	Yes	No
14	-10.40000	-1.00000	0.00000	-10.40000	-7.70000	0.00000	5	Yes	No
15	-10.40000	-7.70000	0.00000	-14.50000	-7.70000	0.00000	3	Yes	No
16	-14.50000	-7.70000	0.00000	-14.50000	-12.90000	0.00000	4	Yes	No
17	-14.50000	-12.90000	0.00000	-19.60000	-12.90000	0.00000	4	Yes	No
18	-19.60000	-12.90000	0.00000	-19.60000	-16.30000	0.00000	3	Yes	No
19	-19.60000	-16.30000	0.00000	-24.00000	-16.30000	0.00000	3	Yes	No

Displacement Grids

Name	Extrusion: Calculate Detailed Results	X1 [m]	Y1 [m]	Z1 [m]	X2 [m]	Y2 [m]	Z2 [m]	Intervals	Extrusion: Distance [m]	Extrusion: Intervals [No.]
	Direction							Along [No.]		Along [No.]



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Name	Extrusion:	X1	Y1	Z1	X2	Y2	Z2	Intervals	Extrusion:	Extrusion:
Calculate	Detailed							Along	Distance	Intervals
Results	Direction									
1	Global Y	0.00000	-12.20000	-6.40000	26.60000	-	-6.40000	27	17.10000	18 Yes
No										

Results : Immediate : Load Centres : Polygonal

Ref.	Name	x [m]	y [m]	z [mOD]	δx [mm]	δy [mm]	δz [mm]
1	Demolition	15.37366	-5.10215	0.00000	1.58460	-2.79334	-35.88531
2	Mass Excavation	13.30000	-3.65000	-6.40000	0.88869	-0.73123	-33.03761
3	Slab	13.30000	-3.65000	-6.40000	0.88869	-0.73123	-33.03761

Results : Consolidation : Load Centres : Polygonal

None

Results : Total : Load Centres : Polygonal

None

Results : Immediate : Displacement Data : Lines

Ref.	Name	x [m]	y [m]	z [mOD]	δx [mm]	δy [mm]	δz [mm]
1	1	20.00000	-12.20100	0.00000	5.95939	-17.05260	-22.33435
1	1	20.00000	-13.31733	0.00000	5.47512	-16.50468	-16.71725
1	1	20.00000	-14.43367	0.00000	4.99509	-15.75411	-13.94605
1	1	20.00000	-15.55000	0.00000	4.53270	-14.86741	-11.97008
2	2	20.00000	-15.55000	0.00000	4.53270	-14.86741	-11.97008
2	2	21.23333	-15.54167	0.00000	5.48556	-14.30774	-11.61051
2	2	22.46667	-15.53333	0.00000	6.38685	-13.60504	-11.14560
2	2	23.70000	-15.52500	0.00000	7.20085	-12.75671	-10.57466
2	2	24.93333	-15.51667	0.00000	7.87978	-11.77134	-9.90336
2	2	26.16667	-15.50833	0.00000	8.36996	-10.68043	-9.15230
2	2	27.40000	-15.50000	0.00000	8.63421	-9.54674	-8.36345
3	3	27.40000	-15.50000	0.00000	8.63421	-9.54674	-8.36345
3	3	27.40000	-16.57500	0.00000	7.71391	-9.23021	-7.54412
3	3	27.40000	-17.65000	0.00000	6.91226	-8.86513	-6.83940
3	3	27.40000	-18.72500	0.00000	6.21300	-8.47918	-6.22528
3	3	27.40000	-19.80000	0.00000	5.60195	-8.09034	-5.68468
3	3	27.40000	-20.87500	0.00000	5.06672	-7.70967	-5.20478
3	3	27.40000	-21.95000	0.00000	4.59654	-7.34352	-4.77573
3	3	27.40000	-23.02500	0.00000	4.18222	-6.99520	-4.38977
3	3	27.40000	-24.10000	0.00000	3.81594	-6.66613	-4.04076
4	4	27.40000	-24.10000	0.00000	3.81594	-6.66613	-4.04076
4	4	26.16667	-24.10000	0.00000	3.62379	-7.05673	-4.23899
4	4	24.93333	-24.10000	0.00000	3.38811	-7.43256	-4.42741
4	4	23.70000	-24.10000	0.00000	3.11064	-7.78584	-4.60276
4	4	22.46667	-24.10000	0.00000	2.79466	-8.10940	-4.76201
4	4	21.23333	-24.10000	0.00000	2.44473	-8.39715	-4.90252
4	4	20.00000	-24.10000	0.00000	2.06619	-8.64422	-5.02212
5	5	20.00000	-24.10000	0.00000	2.06619	-8.64422	-5.02212
5	5	20.00000	-25.40000	0.00000	1.84433	-8.00481	-4.49732
5	5	20.00000	-26.70000	0.00000	1.65116	-7.43464	-4.03817
5	5	20.00000	-28.00000	0.00000	1.48278	-6.92524	-3.63355
5	5	20.00000	-29.30000	0.00000	1.33574	-6.46898	-3.27483
6	6	20.00000	-29.30000	0.00000	1.33574	-6.46898	-3.27483
6	6	21.00000	-29.30000	0.00000	1.53562	-6.35550	-3.22248
6	6	22.00000	-29.30000	0.00000	1.72569	-6.22721	-3.16287
6	6	23.00000	-29.30000	0.00000	1.90472	-6.08534	-3.09651
7	7	23.00000	-29.30000	0.00000	1.90472	-6.08534	-3.09651
7	7	23.00000	-30.56000	0.00000	1.72952	-5.73369	-2.80899
7	7	23.00000	-31.82000	0.00000	1.57516	-5.41384	-2.54985
7	7	23.00000	-33.08000	0.00000	1.43873	-5.12216	-2.31557
7	7	23.00000	-34.34000	0.00000	1.31776	-4.85547	-2.10320
7	7	23.00000	-35.60000	0.00000	1.21016	-4.61103	-1.91027
7	7	23.00000	-36.86000	0.00000	1.11416	-4.38642	-1.73468
7	7	23.00000	-38.12000	0.00000	1.02827	-4.17956	-1.57461
7	7	23.00000	-39.38000	0.00000	0.95119	-3.98863	-1.42850
7	7	23.00000	-40.64000	0.00000	0.88185	-3.81200	-1.29497



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Ref.	Name	x [m]	y [m]	z [mOD]	δx [mm]	δy [mm]	δz [mm]
7	7	23.00000	-41.90000	0.00000	0.81929	-3.64828	-1.17283
8	8	23.00000	-41.90000	0.00000	0.81929	-3.64828	-1.17283
8	8	24.29000	-41.90000	0.00000	0.92096	-3.58399	-1.14575
8	8	25.58000	-41.90000	0.00000	1.01703	-3.51331	-1.11585
8	8	26.87000	-41.90000	0.00000	1.10710	-3.43693	-1.08339
8	8	28.16000	-41.90000	0.00000	1.19086	-3.35561	-1.04866
8	8	29.45000	-41.90000	0.00000	1.26807	-3.27011	-1.01198
8	8	30.74000	-41.90000	0.00000	1.33862	-3.18120	-0.97364
8	8	32.03000	-41.90000	0.00000	1.40245	-3.08962	-0.93397
8	8	33.32000	-41.90000	0.00000	1.45962	-2.99610	-0.89325
8	8	34.61000	-41.90000	0.00000	1.51024	-2.90132	-0.85179
8	8	35.90000	-41.90000	0.00000	1.55448	-2.80593	-0.80985
9	9	35.90000	-41.90000	0.00000	1.55448	-2.80593	-0.80985
9	9	35.90000	-43.40000	0.00000	1.44854	-2.71154	-0.72226
9	9	35.90000	-44.90000	0.00000	1.35205	-2.62133	-0.64198
9	9	35.90000	-46.40000	0.00000	1.26402	-2.53522	-0.56845
9	9	35.90000	-47.90000	0.00000	1.18356	-2.45307	-0.50115
9	9	35.90000	-49.40000	0.00000	1.10990	-2.37474	-0.43961
10	10	35.90000	-49.40000	0.00000	1.10990	-2.37474	-0.43961
10	10	34.34000	-49.40000	0.00000	1.06122	-2.44734	-0.46699
10	10	32.78000	-49.40000	0.00000	1.00712	-2.51813	-0.49370
10	10	31.22000	-49.40000	0.00000	0.94759	-2.58649	-0.51948
10	10	29.66000	-49.40000	0.00000	0.88267	-2.65179	-0.54410
10	10	28.10000	-49.40000	0.00000	0.81252	-2.71341	-0.56730
10	10	26.54000	-49.40000	0.00000	0.73732	-2.77069	-0.58885
10	10	24.98000	-49.40000	0.00000	0.65740	-2.82302	-0.60849
10	10	23.42000	-49.40000	0.00000	0.57312	-2.86981	-0.62602
10	10	21.86000	-49.40000	0.00000	0.48494	-2.91051	-0.64123
10	10	20.30000	-49.40000	0.00000	0.39338	-2.94465	-0.65394
10	10	18.74000	-49.40000	0.00000	0.29905	-2.97179	-0.66399
10	10	17.18000	-49.40000	0.00000	0.20258	-2.99162	-0.67127
10	10	15.62000	-49.40000	0.00000	0.10467	-3.00388	-0.67569
10	10	14.06000	-49.40000	0.00000	0.00601	-3.00842	-0.67718
10	10	12.50000	-49.40000	0.00000	-0.09266	-3.00520	-0.67575
11	11	12.50000	-49.40000	0.00000	-0.09266	-3.00520	-0.67575
11	11	12.50000	-47.78265	0.00000	-0.10046	-3.16068	-0.77735
11	11	12.50000	-46.16530	0.00000	-0.10924	-3.33091	-0.89116
11	11	12.50000	-44.54796	0.00000	-0.11916	-3.51789	-1.01872
11	11	12.50000	-42.93061	0.00000	-0.13042	-3.72395	-1.16186
11	11	12.50000	-41.31326	0.00000	-0.14326	-3.95185	-1.32266
11	11	12.50000	-39.69591	0.00000	-0.15797	-4.20488	-1.50360
11	11	12.50000	-38.07857	0.00000	-0.17490	-4.48689	-1.70757
11	11	12.50000	-36.46122	0.00000	-0.19450	-4.80253	-1.93802
11	11	12.50000	-34.84387	0.00000	-0.21731	-5.15732	-2.19908
11	11	12.50000	-33.22652	0.00000	-0.24400	-5.55789	-2.49578
11	11	12.50000	-31.60917	0.00000	-0.27542	-6.01216	-2.83428
11	11	12.50000	-29.99183	0.00000	-0.31263	-6.52962	-3.22223
11	11	12.50000	-28.37448	0.00000	-0.35695	-7.12149	-3.66930
11	11	12.50000	-26.75713	0.00000	-0.41008	-7.80087	-4.18790
11	11	12.50000	-25.13978	0.00000	-0.47413	-8.58255	-4.79420
11	11	12.50000	-23.52243	0.00000	-0.55178	-9.48221	-5.50970
11	11	12.50000	-21.90509	0.00000	-0.64646	-10.51411	-6.36353
11	11	12.50000	-20.28774	0.00000	-0.76259	-11.68575	-7.39588
11	11	12.50000	-18.67039	0.00000	-0.90608	-12.98652	-8.66310
11	11	12.50000	-17.05304	0.00000	-1.08548	-14.36629	-10.24568
11	11	12.50000	-15.43570	0.00000	-1.31483	-15.70253	-12.26466
11	11	12.50000	-13.81835	0.00000	-1.62246	-16.77249	-14.94552
11	11	12.50000	-12.20100	0.00000	-2.06492	-17.24434	-19.27755
12	12	-10.40000	-1.00000	0.00000	-8.74055	1.11316	-4.65095
12	12	-11.77000	-1.00000	0.00000	-7.98801	0.95991	-4.10357
12	12	-13.14000	-1.00000	0.00000	-7.33087	0.83365	-3.63487
12	12	-14.51000	-1.00000	0.00000	-6.75587	0.72900	-3.22961
12	12	-15.88000	-1.00000	0.00000	-6.25107	0.64168	-2.87637
12	12	-17.25000	-1.00000	0.00000	-5.80610	0.56832	-2.56638
12	12	-18.62000	-1.00000	0.00000	-5.41214	0.50627	-2.29278
12	12	-19.99000	-1.00000	0.00000	-5.06178	0.45343	-2.05015
12	12	-21.36000	-1.00000	0.00000	-4.74883	0.40816	-1.83413
12	12	-22.73000	-1.00000	0.00000	-4.46808	0.36911	-1.64113
12	12	-24.10000	-1.00000	0.00000	-4.21520	0.33525	-1.46821
13	13	-24.10000	-1.00000	0.00000	-4.21520	0.33525	-1.46821
13	13	-24.10000	-2.53000	0.00000	-4.24081	0.15553	-1.47868
13	13	-24.10000	-4.06000	0.00000	-4.24677	-0.02619	-1.48108
13	13	-24.10000	-5.59000	0.00000	-4.23296	-0.20733	-1.47536
13	13	-24.10000	-7.12000	0.00000	-4.19977	-0.38533	-1.46165
13	13	-24.10000	-8.65000	0.00000	-4.14806	-0.55774	-1.44025
13	13	-24.10000	-10.18000	0.00000	-4.07917	-0.72239	-1.41162
13	13	-24.10000	-11.71000	0.00000	-3.99477	-0.87741	-1.37634



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13	13	-24.10000	-13.24000	0.00000	-3.89682	-1.02127	-1.33513
13	13	-24.10000	-14.77000	0.00000	-3.78745	-1.15289	-1.28873
13	13	-24.10000	-16.30000	0.00000	-3.66885	-1.27155	-1.23796
14	14	-10.40000	-1.00000	0.00000	-8.74055	1.11316	-4.65095
14	14	-10.40000	-2.34000	0.00000	-8.86556	0.57702	-4.70649
14	14	-10.40000	-3.68000	0.00000	-8.90759	0.02685	-4.72490
14	14	-10.40000	-5.02000	0.00000	-8.86522	-0.52274	-4.70562
14	14	-10.40000	-6.36000	0.00000	-8.74044	-1.05726	-4.64956
14	14	-10.40000	-7.70000	0.00000	-8.53853	-1.56306	-4.55904
15	15	-10.40000	-7.70000	0.00000	-8.53853	-1.56306	-4.55904
15	15	-11.76667	-7.70000	0.00000	-7.82601	-1.34301	-4.03234
15	15	-13.13333	-7.70000	0.00000	-7.20038	-1.16202	-3.57897
15	15	-14.50000	-7.70000	0.00000	-6.65026	-1.01225	-3.18532
16	16	-14.50000	-7.70000	0.00000	-6.65026	-1.01225	-3.18532
16	16	-14.50000	-9.00000	0.00000	-6.50241	-1.31712	-3.12166
16	16	-14.50000	-10.30000	0.00000	-6.32143	-1.59832	-3.04317
16	16	-14.50000	-11.60000	0.00000	-6.11266	-1.85226	-2.95178
16	16	-14.50000	-12.90000	0.00000	-5.88189	-2.07659	-2.84955
17	17	-14.50000	-12.90000	0.00000	-5.88189	-2.07659	-2.84955
17	17	-15.77500	-12.90000	0.00000	-5.54058	-1.85835	-2.57811
17	17	-17.05000	-12.90000	0.00000	-5.22868	-1.67017	-2.33370
17	17	-18.32500	-12.90000	0.00000	-4.94344	-1.50716	-2.11304
17	17	-19.60000	-12.90000	0.00000	-4.68228	-1.36531	-1.91337
18	18	-19.60000	-12.90000	0.00000	-4.68228	-1.36531	-1.91337
18	18	-19.60000	-14.03333	0.00000	-4.56038	-1.49412	-1.86018
18	18	-19.60000	-15.16667	0.00000	-4.43123	-1.61102	-1.80327
18	18	-19.60000	-16.30000	0.00000	-4.29651	-1.71589	-1.74327
19	19	-19.60000	-16.30000	0.00000	-4.29651	-1.71589	-1.74327
19	19	-21.06667	-16.30000	0.00000	-4.07491	-1.55042	-1.56101
19	19	-22.53333	-16.30000	0.00000	-3.87026	-1.40605	-1.39639
19	19	-24.00000	-16.30000	0.00000	-3.68120	-1.27959	-1.24758

Results : Consolidation : Displacement Data : Lines

None

Results : Total : Displacement Data : Lines

None

Results : Immediate : Displacement Data : Grids

Ref.	Name	x [m]	y [m]	z [mOD]	δx [mm]	δy [mm]	δz [mm]
1	1	0.00000	-12.20000	-6.40000	-0.36375	-0.22214	-12.06347
1	1	0.00000	-11.25000	-6.40000	-0.47139	-0.02842	-14.04898
1	1	0.00000	-10.30000	-6.40000	-0.47958	0.14572	-15.20664
1	1	0.00000	-9.35000	-6.40000	-0.44475	0.29007	-16.09397
1	1	0.00000	-8.40000	-6.40000	-0.38230	0.39232	-16.82049
1	1	0.00000	-7.45000	-6.40000	-0.30415	0.44005	-17.42466
1	1	0.00000	-6.50000	-6.40000	-0.22249	0.42449	-17.91581
1	1	0.00000	-5.55000	-6.40000	-0.15000	0.34466	-18.28833
1	1	0.00000	-4.60000	-6.40000	-0.09843	0.20994	-18.53036
1	1	0.00000	-3.65000	-6.40000	-0.07663	0.03931	-18.63027
1	1	0.00000	-2.70000	-6.40000	-0.08901	-0.14191	-18.58093
1	1	0.00000	-1.75000	-6.40000	-0.13478	-0.30639	-18.38145
1	1	0.00000	-0.80000	-6.40000	-0.20796	-0.42925	-18.03688
1	1	0.00000	0.15000	-6.40000	-0.29817	-0.49232	-17.55564
1	1	0.00000	1.10000	-6.40000	-0.39216	-0.48733	-16.94399
1	1	0.00000	2.05000	-6.40000	-0.47553	-0.41642	-16.19676
1	1	0.00000	3.00000	-6.40000	-0.53348	-0.28941	-15.28115
1	1	0.00000	3.95000	-6.40000	-0.54787	-0.11959	-14.09279
1	1	0.00000	4.90000	-6.40000	-0.46033	0.08002	-12.07775
1	1	0.98519	-12.20000	-6.40000	-0.20034	-0.33709	-14.13207
1	1	0.98519	-11.25000	-6.40000	-0.23438	-0.05887	-17.13105
1	1	0.98519	-10.30000	-6.40000	-0.23032	0.16524	-18.60849
1	1	0.98519	-9.35000	-6.40000	-0.19264	0.34287	-19.67627
1	1	0.98519	-8.40000	-6.40000	-0.13113	0.46640	-20.52875
1	1	0.98519	-7.45000	-6.40000	-0.05609	0.52352	-21.23039
1	1	0.98519	-6.50000	-6.40000	0.02113	0.50458	-21.79903
1	1	0.98519	-5.55000	-6.40000	0.08858	0.40865	-22.23046
1	1	0.98519	-4.60000	-6.40000	0.13518	0.24705	-22.51128



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Ref.	Name	x [m]	y [m]	z [mOD]	δx [mm]	δy [mm]	δz [mm]
1	1	0.98519	-3.65000	-6.40000	0.15260	0.04263	-22.62775
1	1	0.98519	-2.70000	-6.40000	0.13676	-0.17422	-22.57130
1	1	0.98519	-1.75000	-6.40000	0.08856	-0.37074	-22.34075
1	1	0.98519	-0.80000	-6.40000	0.01385	-0.51702	-21.94180
1	1	0.98519	0.15000	-6.40000	-0.07735	-0.59110	-21.38368
1	1	0.98519	1.10000	-6.40000	-0.17238	-0.58276	-20.67156
1	1	0.98519	2.05000	-6.40000	-0.25771	-0.49378	-19.79294
1	1	0.98519	3.00000	-6.40000	-0.32020	-0.33371	-18.69049
1	1	0.98519	3.95000	-6.40000	-0.34749	-0.11171	-17.17616
1	1	0.98519	4.90000	-6.40000	-0.33328	0.17612	-14.14239
1	1	1.97037	-12.20000	-6.40000	-0.04849	-0.36177	-15.33701
1	1	1.97037	-11.25000	-6.40000	-0.04718	-0.06086	-18.64107
1	1	1.97037	-10.30000	-6.40000	-0.02638	0.19346	-20.33494
1	1	1.97037	-9.35000	-6.40000	0.01557	0.39622	-21.55311
1	1	1.97037	-8.40000	-6.40000	0.07424	0.53655	-22.51843
1	1	1.97037	-7.45000	-6.40000	0.14209	0.60039	-23.30956
1	1	1.97037	-6.50000	-6.40000	0.20974	0.57677	-23.94971
1	1	1.97037	-5.55000	-6.40000	0.26697	0.46471	-24.43535
1	1	1.97037	-4.60000	-6.40000	0.30427	0.27728	-24.75152
1	1	1.97037	-3.65000	-6.40000	0.31454	0.04088	-24.88257
1	1	1.97037	-2.70000	-6.40000	0.29440	-0.20946	-24.81865
1	1	1.97037	-1.75000	-6.40000	0.24487	-0.43599	-24.55834
1	1	1.97037	-0.80000	-6.40000	0.17129	-0.60423	-24.10806
1	1	1.97037	0.15000	-6.40000	0.08259	-0.68884	-23.47794
1	1	1.97037	1.10000	-6.40000	-0.01015	-0.67803	-22.67284
1	1	1.97037	2.05000	-6.40000	-0.09550	-0.57385	-21.67592
1	1	1.97037	3.00000	-6.40000	-0.16341	-0.38750	-20.41691
1	1	1.97037	3.95000	-6.40000	-0.20722	-0.13195	-18.68035
1	1	1.97037	4.90000	-6.40000	-0.22705	0.18322	-15.33668
1	1	2.95556	-12.20000	-6.40000	0.09417	-0.35521	-16.25818
1	1	2.95556	-11.25000	-6.40000	0.11471	-0.04163	-19.72634
1	1	2.95556	-10.30000	-6.40000	0.14638	0.22994	-21.56231
1	1	2.95556	-9.35000	-6.40000	0.19019	0.44862	-22.89585
1	1	2.95556	-8.40000	-6.40000	0.24354	0.59961	-23.95479
1	1	2.95556	-7.45000	-6.40000	0.30106	0.66633	-24.82251
1	1	2.95556	-6.50000	-6.40000	0.35550	0.63633	-25.52429
1	1	2.95556	-5.55000	-6.40000	0.39889	0.50847	-26.05635
1	1	2.95556	-4.60000	-6.40000	0.42380	0.29733	-26.40225
1	1	2.95556	-3.65000	-6.40000	0.42476	0.03228	-26.54475
1	1	2.95556	-2.70000	-6.40000	0.39936	-0.24772	-26.47299
1	1	2.95556	-1.75000	-6.40000	0.34874	-0.50068	-26.18542
1	1	2.95556	-0.80000	-6.40000	0.27756	-0.68830	-25.68917
1	1	2.95556	0.15000	-6.40000	0.19329	-0.78254	-24.99546
1	1	2.95556	1.10000	-6.40000	0.10500	-0.77051	-24.10967
1	1	2.95556	2.05000	-6.40000	0.02176	-0.65500	-23.01376
1	1	2.95556	3.00000	-6.40000	-0.04894	-0.44970	-21.63375
1	1	2.95556	3.95000	-6.40000	-0.10273	-0.17211	-19.75004
1	1	2.95556	4.90000	-6.40000	-0.13955	0.16146	-16.23829
1	1	3.94074	-12.20000	-6.40000	0.23066	-0.33092	-17.01508
1	1	3.94074	-11.25000	-6.40000	0.26262	-0.01003	-20.59026
1	1	3.94074	-10.30000	-6.40000	0.30001	0.27073	-22.52555
1	1	3.94074	-9.35000	-6.40000	0.34275	0.49761	-23.94623
1	1	3.94074	-8.40000	-6.40000	0.38873	0.65310	-25.07955
1	1	3.94074	-7.45000	-6.40000	0.43400	0.71856	-26.00947
1	1	3.94074	-6.50000	-6.40000	0.47332	0.68033	-26.76134
1	1	3.94074	-5.55000	-6.40000	0.50096	0.53721	-27.33059
1	1	3.94074	-4.60000	-6.40000	0.51170	0.30497	-27.69956
1	1	3.94074	-3.65000	-6.40000	0.50187	0.01532	-27.84976
1	1	3.94074	-2.70000	-6.40000	0.47010	-0.28964	-27.76963
1	1	3.94074	-1.75000	-6.40000	0.41772	-0.56463	-27.45766
1	1	3.94074	-0.80000	-6.40000	0.34871	-0.76841	-26.92165
1	1	3.94074	0.15000	-6.40000	0.26908	-0.87090	-26.17396
1	1	3.94074	1.10000	-6.40000	0.18592	-0.85854	-25.22101
1	1	3.94074	2.05000	-6.40000	0.10620	-0.73495	-24.04533
1	1	3.94074	3.00000	-6.40000	0.03555	-0.51605	-22.57313
1	1	3.94074	3.95000	-6.40000	-0.02267	-0.22263	-20.58598
1	1	3.94074	4.90000	-6.40000	-0.06784	0.12540	-16.96438
1	1	4.92593	-12.20000	-6.40000	0.36411	-0.29505	-17.66051
1	1	4.92593	-11.25000	-6.40000	0.40363	0.02877	-21.31270
1	1	4.92593	-10.30000	-6.40000	0.44376	0.31259	-23.32113
1	1	4.92593	-9.35000	-6.40000	0.48355	0.54121	-24.80803
1	1	4.92593	-8.40000	-6.40000	0.52103	0.69557	-25.99910
1	1	4.92593	-7.45000	-6.40000	0.55330	0.75578	-26.97753
1	1	4.92593	-6.50000	-6.40000	0.57685	0.70751	-27.76803
1	1	4.92593	-5.55000	-6.40000	0.58804	0.54962	-28.36516
1	1	4.92593	-4.60000	-6.40000	0.58376	0.29887	-28.75031
1	1	4.92593	-3.65000	-6.40000	0.56208	-0.01125	-28.90422



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Ref.	Name	x [m]	y [m]	z [mOD]	δx [mm]	δy [mm]	δz [mm]
1	1	4.92593	-2.70000	-6.40000	0.52270	-0.33637	-28.81494
1	1	4.92593	-1.75000	-6.40000	0.46723	-0.62881	-28.48109
1	1	4.92593	-0.80000	-6.40000	0.39905	-0.84525	-27.91114
1	1	4.92593	0.15000	-6.40000	0.32293	-0.95421	-27.11850
1	1	4.92593	1.10000	-6.40000	0.24430	-0.94176	-26.11078
1	1	4.92593	2.05000	-6.40000	0.16838	-0.81223	-24.87168
1	1	4.92593	3.00000	-6.40000	0.09942	-0.58319	-23.32869
1	1	4.92593	3.95000	-6.40000	0.04009	-0.27768	-21.26530
1	1	4.92593	4.90000	-6.40000	-0.00873	0.08221	-17.56516
1	1	5.91111	-12.20000	-6.40000	0.49714	-0.25038	-18.22442
1	1	5.91111	-11.25000	-6.40000	0.54267	0.07226	-21.93559
1	1	5.91111	-10.30000	-6.40000	0.58435	0.35380	-23.99999
1	1	5.91111	-9.35000	-6.40000	0.62050	0.57845	-25.53771
1	1	5.91111	-8.40000	-6.40000	0.64923	0.72655	-26.77294
1	1	5.91111	-7.45000	-6.40000	0.66849	0.77774	-27.78788
1	1	5.91111	-6.50000	-6.40000	0.67628	0.71756	-28.60650
1	1	5.91111	-5.55000	-6.40000	0.67087	0.54520	-29.22275
1	1	5.91111	-4.60000	-6.40000	0.65110	0.27823	-29.61744
1	1	5.91111	-3.65000	-6.40000	0.61667	-0.04861	-29.77097
1	1	5.91111	-2.70000	-6.40000	0.56835	-0.38941	-29.67131
1	1	5.91111	-1.75000	-6.40000	0.50808	-0.69494	-29.31734
1	1	5.91111	-0.80000	-6.40000	0.43886	-0.92052	-28.71818
1	1	5.91111	0.15000	-6.40000	0.36445	-1.03387	-27.88811
1	1	5.91111	1.10000	-6.40000	0.28896	-1.02087	-26.83584
1	1	5.91111	2.05000	-6.40000	0.21625	-0.88645	-25.54626
1	1	5.91111	3.00000	-6.40000	0.14945	-0.64935	-23.94819
1	1	5.91111	3.95000	-6.40000	0.09062	-0.33408	-21.82677
1	1	5.91111	4.90000	-6.40000	0.04064	0.03578	-18.06771
1	1	6.89630	-12.20000	-6.40000	0.63119	-0.19769	-18.72680
1	1	6.89630	-11.25000	-6.40000	0.68268	0.11975	-22.48546
1	1	6.89630	-10.30000	-6.40000	0.72595	0.39398	-24.59419
1	1	6.89630	-9.35000	-6.40000	0.75867	0.60928	-26.17135
1	1	6.89630	-8.40000	-6.40000	0.77894	0.74617	-27.43982
1	1	6.89630	-7.45000	-6.40000	0.78548	0.78459	-28.48099
1	1	6.89630	-6.50000	-6.40000	0.77767	0.71052	-29.31834
1	1	6.89630	-5.55000	-6.40000	0.75556	0.52369	-29.94555
1	1	6.89630	-4.60000	-6.40000	0.71983	0.24236	-30.34338
1	1	6.89630	-3.65000	-6.40000	0.67175	-0.09792	-30.49229
1	1	6.89630	-2.70000	-6.40000	0.61314	-0.45039	-30.38047
1	1	6.89630	-1.75000	-6.40000	0.54634	-0.76496	-30.00722
1	1	6.89630	-0.80000	-6.40000	0.47412	-0.99629	-29.38221
1	1	6.89630	0.15000	-6.40000	0.39949	-1.11171	-28.52047
1	1	6.89630	1.10000	-6.40000	0.32553	-1.09717	-27.43158
1	1	6.89630	2.05000	-6.40000	0.25501	-0.95804	-26.10141
1	1	6.89630	3.00000	-6.40000	0.19016	-0.71391	-24.45985
1	1	6.89630	3.95000	-6.40000	0.13244	-0.39030	-22.29325
1	1	6.89630	4.90000	-6.40000	0.08254	-0.01175	-18.48873
1	1	7.88148	-12.20000	-6.40000	0.76587	-0.13656	-19.18247
1	1	7.88148	-11.25000	-6.40000	0.82415	0.17170	-22.98135
1	1	7.88148	-10.30000	-6.40000	0.86982	0.43362	-25.12649
1	1	7.88148	-9.35000	-6.40000	0.89980	0.63418	-26.73463
1	1	7.88148	-8.40000	-6.40000	0.91215	0.75483	-28.02756
1	1	7.88148	-7.45000	-6.40000	0.90628	0.77658	-29.08608
1	1	7.88148	-6.50000	-6.40000	0.88292	0.68637	-29.93357
1	1	7.88148	-5.55000	-6.40000	0.84387	0.48474	-30.56400
1	1	7.88148	-4.60000	-6.40000	0.79163	0.19052	-30.95859
1	1	7.88148	-3.65000	-6.40000	0.72902	-0.16034	-31.09833
1	1	7.88148	-2.70000	-6.40000	0.65892	-0.52083	-30.97196
1	1	7.88148	-1.75000	-6.40000	0.58412	-0.84068	-30.57929
1	1	7.88148	-0.80000	-6.40000	0.50725	-1.07446	-29.93051
1	1	7.88148	0.15000	-6.40000	0.43078	-1.18953	-29.04122
1	1	7.88148	1.10000	-6.40000	0.35693	-1.17202	-27.92163
1	1	7.88148	2.05000	-6.40000	0.28760	-1.02775	-26.55829
1	1	7.88148	3.00000	-6.40000	0.22423	-0.77689	-24.88186
1	1	7.88148	3.95000	-6.40000	0.16775	-0.44565	-22.67954
1	1	7.88148	4.90000	-6.40000	0.11855	-0.05925	-18.83931
1	1	8.86667	-12.20000	-6.40000	0.89822	-0.06591	-19.60283
1	1	8.86667	-11.25000	-6.40000	0.96441	0.22916	-23.43775
1	1	8.86667	-10.30000	-6.40000	1.01354	0.47366	-25.61412
1	1	8.86667	-9.35000	-6.40000	1.04167	0.65388	-27.24700
1	1	8.86667	-8.40000	-6.40000	1.04669	0.75301	-28.55714
1	1	8.86667	-7.45000	-6.40000	1.02870	0.75386	-29.62507
1	1	8.86667	-6.50000	-6.40000	0.98978	0.64497	-30.47458
1	1	8.86667	-5.55000	-6.40000	0.93354	0.42794	-31.10054
1	1	8.86667	-4.60000	-6.40000	0.86435	0.12206	-31.48529
1	1	8.86667	-3.65000	-6.40000	0.78661	-0.23677	-31.61087
1	1	8.86667	-2.70000	-6.40000	0.70427	-0.60189	-31.46689



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Ref.	Name	x [m]	y [m]	z [mOD]	δx [mm]	δy [mm]	δz [mm]
1	1	8.86667	-1.75000	-6.40000	0.62055	-0.92347	-31.05379
1	1	8.86667	-0.80000	-6.40000	0.53802	-1.15649	-30.38223
1	1	8.86667	0.15000	-6.40000	0.45866	-1.26867	-29.46819
1	1	8.86667	1.10000	-6.40000	0.38400	-1.24652	-28.32224
1	1	8.86667	2.05000	-6.40000	0.31518	-1.09625	-26.93132
1	1	8.86667	3.00000	-6.40000	0.25296	-0.83848	-25.22656
1	1	8.86667	3.95000	-6.40000	0.19774	-0.49987	-22.99566
1	1	8.86667	4.90000	-6.40000	0.14959	-0.10608	-19.12715
1	1	9.85185	-12.20000	-6.40000	1.02191	0.01527	-19.99618
1	1	9.85185	-11.25000	-6.40000	1.09681	0.29322	-23.86529
1	1	9.85185	-10.30000	-6.40000	1.15025	0.51510	-26.06980
1	1	9.85185	-9.35000	-6.40000	1.17729	0.66915	-27.72281
1	1	9.85185	-8.40000	-6.40000	1.17561	0.74117	-29.04402
1	1	9.85185	-7.45000	-6.40000	1.14593	0.71665	-30.11399
1	1	9.85185	-6.50000	-6.40000	1.09174	0.58633	-30.95753
1	1	9.85185	-5.55000	-6.40000	1.01852	0.35315	-31.57117
1	1	9.85185	-4.60000	-6.40000	0.93256	0.03674	-31.93912
1	1	9.85185	-3.65000	-6.40000	0.83986	-0.32755	-32.04511
1	1	9.85185	-2.70000	-6.40000	0.74536	-0.69402	-31.87994
1	1	9.85185	-1.75000	-6.40000	0.65272	-1.01389	-31.44477
1	1	9.85185	-0.80000	-6.40000	0.56439	-1.24302	-30.75064
1	1	9.85185	0.15000	-6.40000	0.48191	-1.34980	-29.81368
1	1	9.85185	1.10000	-6.40000	0.40619	-1.32123	-28.64457
1	1	9.85185	2.05000	-6.40000	0.33771	-1.16389	-27.23038
1	1	9.85185	3.00000	-6.40000	0.27661	-0.89873	-25.50240
1	1	9.85185	3.95000	-6.40000	0.22283	-0.55272	-23.24855
1	1	9.85185	4.90000	-6.40000	0.17608	-0.15178	-19.35764
1	1	10.83704	-12.20000	-6.40000	1.12703	0.10712	-20.36682
1	1	10.83704	-11.25000	-6.40000	1.21031	0.36430	-24.26988
1	1	10.83704	-10.30000	-6.40000	1.26812	0.55851	-26.50088
1	1	10.83704	-9.35000	-6.40000	1.29447	0.68065	-28.17056
1	1	10.83704	-8.40000	-6.40000	1.28679	0.72001	-29.49748
1	1	10.83704	-7.45000	-6.40000	1.24640	0.66564	-30.56254
1	1	10.83704	-6.50000	-6.40000	1.17815	0.51117	-31.39223
1	1	10.83704	-5.55000	-6.40000	1.08934	0.26117	-31.98565
1	1	10.83704	-4.60000	-6.40000	0.98812	-0.06462	-32.32975
1	1	10.83704	-3.65000	-6.40000	0.88197	-0.43189	-32.41055
1	1	10.83704	-2.70000	-6.40000	0.77674	-0.79654	-32.22040
1	1	10.83704	-1.75000	-6.40000	0.67639	-1.11143	-31.76124
1	1	10.83704	-0.80000	-6.40000	0.58323	-1.33373	-31.04434
1	1	10.83704	0.15000	-6.40000	0.49837	-1.43273	-30.08577
1	1	10.83704	1.10000	-6.40000	0.42214	-1.39601	-28.89603
1	1	10.83704	2.05000	-6.40000	0.35443	-1.23050	-27.46205
1	1	10.83704	3.00000	-6.40000	0.29487	-0.95740	-25.71502
1	1	10.83704	3.95000	-6.40000	0.24296	-0.60384	-23.44288
1	1	10.83704	4.90000	-6.40000	0.19809	-0.19586	-19.53447
1	1	11.82222	-12.20000	-6.40000	1.20099	0.20813	-20.71356
1	1	11.82222	-11.25000	-6.40000	1.29049	0.44147	-24.65088
1	1	11.82222	-10.30000	-6.40000	1.35140	0.60365	-26.90738
1	1	11.82222	-9.35000	-6.40000	1.37687	0.68887	-28.59090
1	1	11.82222	-8.40000	-6.40000	1.36412	0.69070	-29.91880
1	1	11.82222	-7.45000	-6.40000	1.31496	0.60261	-30.97262
1	1	11.82222	-6.50000	-6.40000	1.23541	0.42173	-31.78119
1	1	11.82222	-5.55000	-6.40000	1.13429	0.15448	-32.34705
1	1	11.82222	-4.60000	-6.40000	1.02129	-0.17946	-32.66075
1	1	11.82222	-3.65000	-6.40000	0.90510	-0.54732	-32.71126
1	1	11.82222	-2.70000	-6.40000	0.79225	-0.90727	-32.49275
1	1	11.82222	-1.75000	-6.40000	0.68686	-1.21428	-32.00794
1	1	11.82222	-0.80000	-6.40000	0.59105	-1.42719	-31.26815
1	1	11.82222	0.15000	-6.40000	0.50551	-1.51635	-30.28915
1	1	11.82222	1.10000	-6.40000	0.43011	-1.47000	-29.08104
1	1	11.82222	2.05000	-6.40000	0.36424	-1.29538	-27.63034
1	1	11.82222	3.00000	-6.40000	0.30709	-1.01385	-25.86796
1	1	11.82222	3.95000	-6.40000	0.25780	-0.65262	-23.58160
1	1	11.82222	4.90000	-6.40000	0.21549	-0.23774	-19.65999
1	1	12.80741	-12.20000	-6.40000	1.23131	0.31448	-21.02860
1	1	12.80741	-11.25000	-6.40000	1.32277	0.52196	-24.99968
1	1	12.80741	-10.30000	-6.40000	1.38400	0.64918	-27.28025
1	1	12.80741	-9.35000	-6.40000	1.40772	0.69407	-28.97491
1	1	12.80741	-8.40000	-6.40000	1.39107	0.65513	-30.29970
1	1	12.80741	-7.45000	-6.40000	1.33621	0.53082	-31.33707
1	1	12.80741	-6.50000	-6.40000	1.24989	0.32223	-32.11873
1	1	12.80741	-5.55000	-6.40000	1.14187	0.03779	-32.65133
1	1	12.80741	-4.60000	-6.40000	1.02275	-0.30303	-32.92972
1	1	12.80741	-3.65000	-6.40000	0.90190	-0.66947	-32.94627
1	1	12.80741	-2.70000	-6.40000	0.78620	-1.02238	-32.69717
1	1	12.80741	-1.75000	-6.40000	0.67979	-1.31927	-32.18588



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Ref.	Name	x [m]	y [m]	z [mOD]	δx [mm]	δy [mm]	δz [mm]
1	1	12.80741	-0.80000	-6.40000	0.58460	-1.52084	-31.42365
1	1	12.80741	0.15000	-6.40000	0.50100	-1.59867	-30.42573
1	1	12.80741	1.10000	-6.40000	0.42848	-1.54163	-29.20160
1	1	12.80741	2.05000	-6.40000	0.36605	-1.35729	-27.73720
1	1	12.80741	3.00000	-6.40000	0.31260	-1.06708	-25.96296
1	1	12.80741	3.95000	-6.40000	0.26697	-0.69821	-23.66622
1	1	12.80741	4.90000	-6.40000	0.22810	-0.27666	-19.73543
1	1	13.79259	-12.20000	-6.40000	1.20974	0.42023	-21.29802
1	1	13.79259	-11.25000	-6.40000	1.29741	0.60125	-25.30025
1	1	13.79259	-10.30000	-6.40000	1.35509	0.69264	-27.60204
1	1	13.79259	-9.35000	-6.40000	1.37565	0.69629	-29.30470
1	1	13.79259	-8.40000	-6.40000	1.35638	0.61583	-30.62300
1	1	13.79259	-7.45000	-6.40000	1.29963	0.45492	-31.64042
1	1	13.79259	-6.50000	-6.40000	1.21228	0.21875	-32.39177
1	1	13.79259	-5.55000	-6.40000	1.10419	-0.08218	-32.88816
1	1	13.79259	-4.60000	-6.40000	0.98605	-0.42874	-33.12901
1	1	13.79259	-3.65000	-6.40000	0.86723	-0.79232	-33.11026
1	1	13.79259	-2.70000	-6.40000	0.75456	-1.13672	-32.83020
1	1	13.79259	-1.75000	-6.40000	0.65208	-1.42214	-32.29301
1	1	13.79259	-0.80000	-6.40000	0.56153	-1.61128	-31.50974
1	1	13.79259	0.15000	-6.40000	0.48309	-1.67698	-30.49505
1	1	13.79259	1.10000	-6.40000	0.41599	-1.60878	-29.25766
1	1	13.79259	2.05000	-6.40000	0.35904	-1.41453	-27.78281
1	1	13.79259	3.00000	-6.40000	0.31089	-1.11572	-26.00032
1	1	13.79259	3.95000	-6.40000	0.27022	-0.73950	-23.69705
1	1	13.79259	4.90000	-6.40000	0.23582	-0.31171	-19.76105
1	1	14.77778	-12.20000	-6.40000	1.13562	0.51851	-21.50482
1	1	14.77778	-11.25000	-6.40000	1.21358	0.67401	-25.53274
1	1	14.77778	-10.30000	-6.40000	1.26365	0.73108	-27.85094
1	1	14.77778	-9.35000	-6.40000	1.27947	0.69539	-29.55771
1	1	14.77778	-8.40000	-6.40000	1.25873	0.57550	-30.86673
1	1	14.77778	-7.45000	-6.40000	1.20374	0.38001	-31.86254
1	1	14.77778	-6.50000	-6.40000	1.12097	0.11804	-32.58297
1	1	14.77778	-5.55000	-6.40000	1.01959	-0.19795	-33.04339
1	1	14.77778	-4.60000	-6.40000	0.90951	-0.54918	-33.24757
1	1	14.77778	-3.65000	-6.40000	0.79946	-0.90917	-33.19490
1	1	14.77778	-2.70000	-6.40000	0.69582	-1.24452	-32.88567
1	1	14.77778	-1.75000	-6.40000	0.60238	-1.51811	-32.32479
1	1	14.77778	-0.80000	-6.40000	0.52072	-1.69462	-31.52311
1	1	14.77778	0.15000	-6.40000	0.45090	-1.74815	-30.49466
1	1	14.77778	1.10000	-6.40000	0.39205	-1.66894	-29.24740
1	1	14.77778	2.05000	-6.40000	0.34283	-1.46511	-27.76580
1	1	14.77778	3.00000	-6.40000	0.30179	-1.15820	-25.97900
1	1	14.77778	3.95000	-6.40000	0.26751	-0.77522	-23.67329
1	1	14.77778	4.90000	-6.40000	0.23874	-0.34188	-19.73626
1	1	15.76296	-12.20000	-6.40000	1.01591	0.60308	-21.63293
1	1	15.76296	-11.25000	-6.40000	1.07945	0.73539	-25.67850
1	1	15.76296	-10.30000	-6.40000	1.11863	0.76171	-28.00644
1	1	15.76296	-9.35000	-6.40000	1.12831	0.69106	-29.71262
1	1	15.76296	-8.40000	-6.40000	1.10676	0.53631	-31.00990
1	1	15.76296	-7.45000	-6.40000	1.05616	0.31044	-31.98382
1	1	15.76296	-6.50000	-6.40000	0.98215	0.02599	-32.67491
1	1	15.76296	-5.55000	-6.40000	0.89267	-0.30290	-33.10217
1	1	15.76296	-4.60000	-6.40000	0.79626	-0.65772	-33.27316
1	1	15.76296	-3.65000	-6.40000	0.70052	-1.01380	-33.19028
1	1	15.76296	-2.70000	-6.40000	0.61106	-1.34030	-32.85565
1	1	15.76296	-1.75000	-6.40000	0.53122	-1.60249	-32.27483
1	1	15.76296	-0.80000	-6.40000	0.46241	-1.76693	-31.45858
1	1	15.76296	0.15000	-6.40000	0.40457	-1.80895	-30.42036
1	1	15.76296	1.10000	-6.40000	0.35675	-1.71947	-29.16737
1	1	15.76296	2.05000	-6.40000	0.31758	-1.50690	-27.68334
1	1	15.76296	3.00000	-6.40000	0.28553	-1.19278	-25.89670
1	1	15.76296	3.95000	-6.40000	0.25914	-0.80402	-23.59309
1	1	15.76296	4.90000	-6.40000	0.23717	-0.36610	-19.65956
1	1	16.74815	-12.20000	-6.40000	0.86211	0.66953	-21.67006
1	1	16.74815	-11.25000	-6.40000	0.90832	0.78194	-25.72349
1	1	16.74815	-10.30000	-6.40000	0.93454	0.78246	-28.05317
1	1	16.74815	-9.35000	-6.40000	0.93704	0.68283	-29.75330
1	1	16.74815	-8.40000	-6.40000	0.91476	0.49948	-31.03626
1	1	16.74815	-7.45000	-6.40000	0.86973	0.24891	-31.98855
1	1	16.74815	-6.50000	-6.40000	0.80664	-0.05358	-32.65285
1	1	16.74815	-5.55000	-6.40000	0.73196	-0.39250	-33.05109
1	1	16.74815	-4.60000	-6.40000	0.65264	-0.74953	-33.19384
1	1	16.74815	-3.65000	-6.40000	0.57489	-1.10149	-33.08592
1	1	16.74815	-2.70000	-6.40000	0.50330	-1.41961	-32.73096
1	1	16.74815	-1.75000	-6.40000	0.44066	-1.67125	-32.13518
1	1	16.74815	-0.80000	-6.40000	0.38801	-1.82466	-31.30927



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Ref.	Name	x [m]	y [m]	z [mOD]	δx [mm]	δy [mm]	δz [mm]
1	1	16.74815	0.15000	-6.40000	0.34514	-1.85632	-30.26619
1	1	16.74815	1.10000	-6.40000	0.31099	-1.75779	-29.01249
1	1	16.74815	2.05000	-6.40000	0.28408	-1.53775	-27.53114
1	1	16.74815	3.00000	-6.40000	0.26285	-1.21776	-25.74983
1	1	16.74815	3.95000	-6.40000	0.24582	-0.82453	-23.45352
1	1	16.74815	4.90000	-6.40000	0.23177	-0.38331	-19.52863
1	1	17.73333	-12.20000	-6.40000	0.68634	0.71548	-21.60798
1	1	17.73333	-11.25000	-6.40000	0.71393	0.81180	-25.65850
1	1	17.73333	-10.30000	-6.40000	0.72619	0.79207	-27.98105
1	1	17.73333	-9.35000	-6.40000	0.72077	0.67017	-29.66892
1	1	17.73333	-8.40000	-6.40000	0.69733	0.46520	-30.93443
1	1	17.73333	-7.45000	-6.40000	0.65777	0.19633	-31.86494
1	1	17.73333	-6.50000	-6.40000	0.60593	-0.11911	-32.50484
1	1	17.73333	-5.55000	-6.40000	0.54687	-0.46457	-32.87825
1	1	17.73333	-4.60000	-6.40000	0.48600	-0.82196	-32.99798
1	1	17.73333	-3.65000	-6.40000	0.42809	-1.16923	-32.87068
1	1	17.73333	-2.70000	-6.40000	0.37666	-1.47930	-32.50119
1	1	17.73333	-1.75000	-6.40000	0.33373	-1.72127	-31.89622
1	1	17.73333	-0.80000	-6.40000	0.29986	-1.86483	-31.06641
1	1	17.73333	0.15000	-6.40000	0.27450	-1.88752	-30.02433
1	1	17.73333	1.10000	-6.40000	0.25635	-1.78148	-28.77585
1	1	17.73333	2.05000	-6.40000	0.24376	-1.55564	-27.30322
1	1	17.73333	3.00000	-6.40000	0.23504	-1.23147	-25.53333
1	1	17.73333	3.95000	-6.40000	0.22870	-0.83547	-23.25041
1	1	17.73333	4.90000	-6.40000	0.22357	-0.39257	-19.34015
1	1	18.71852	-12.20000	-6.40000	0.49886	0.74016	-21.44087
1	1	18.71852	-11.25000	-6.40000	0.50763	0.82430	-25.47697
1	1	18.71852	-10.30000	-6.40000	0.50558	0.78989	-27.78271
1	1	18.71852	-9.35000	-6.40000	0.49168	0.65240	-29.45123
1	1	18.71852	-8.40000	-6.40000	0.46629	0.43282	-30.69516
1	1	18.71852	-7.45000	-6.40000	0.43128	0.15219	-31.60272
1	1	18.71852	-6.50000	-6.40000	0.38981	-0.17074	-32.21962
1	1	18.71852	-5.55000	-6.40000	0.34581	-0.51881	-32.57160
1	1	18.71852	-4.60000	-6.40000	0.30331	-0.87411	-32.67304
1	1	18.71852	-3.65000	-6.40000	0.26579	-1.21555	-32.53191
1	1	18.71852	-2.70000	-6.40000	0.23567	-1.51741	-32.15387
1	1	18.71852	-1.75000	-6.40000	0.21411	-1.75024	-31.54600
1	1	18.71852	-0.80000	-6.40000	0.20102	-1.88501	-30.71883
1	1	18.71852	0.15000	-6.40000	0.19530	-1.90017	-29.68450
1	1	18.71852	1.10000	-6.40000	0.19521	-1.78839	-28.44825
1	1	18.71852	2.05000	-6.40000	0.19876	-1.55871	-26.99151
1	1	18.71852	3.00000	-6.40000	0.20405	-1.23245	-25.24036
1	1	18.71852	3.95000	-6.40000	0.20950	-0.83576	-22.97812
1	1	18.71852	4.90000	-6.40000	0.21401	-0.39314	-19.08965
1	1	19.70370	-12.20000	-6.40000	0.30765	0.74371	-21.16311
1	1	19.70370	-11.25000	-6.40000	0.29792	0.81941	-25.17217
1	1	19.70370	-10.30000	-6.40000	0.28156	0.77559	-27.45024
1	1	19.70370	-9.35000	-6.40000	0.25873	0.62878	-29.09101
1	1	19.70370	-8.40000	-6.40000	0.23044	0.40127	-30.30784
1	1	19.70370	-7.45000	-6.40000	0.19869	0.11526	-31.18987
1	1	19.70370	-6.50000	-6.40000	0.16616	-0.20966	-31.78385
1	1	19.70370	-5.55000	-6.40000	0.13594	-0.55601	-32.11664
1	1	19.70370	-4.60000	-6.40000	0.11096	-0.90619	-32.20369
1	1	19.70370	-3.65000	-6.40000	0.09361	-1.23996	-32.05381
1	1	19.70370	-2.70000	-6.40000	0.08528	-1.53279	-31.67323
1	1	19.70370	-1.75000	-6.40000	0.08620	-1.75651	-31.06914
1	1	19.70370	-0.80000	-6.40000	0.09544	-1.88324	-30.25190
1	1	19.70370	0.15000	-6.40000	0.11115	-1.89224	-29.23313
1	1	19.70370	1.10000	-6.40000	0.13090	-1.77661	-28.01737
1	1	19.70370	2.05000	-6.40000	0.15215	-1.54538	-26.58517
1	1	19.70370	3.00000	-6.40000	0.17261	-1.21953	-24.86163
1	1	19.70370	3.95000	-6.40000	0.19058	-0.82466	-22.62903
1	1	19.70370	4.90000	-6.40000	0.20506	-0.38464	-18.77116
1	1	20.68889	-12.20000	-6.40000	0.11923	0.72682	-20.76720
1	1	20.68889	-11.25000	-6.40000	0.09172	0.79753	-24.73457
1	1	20.68889	-10.30000	-6.40000	0.06134	0.74905	-26.97207
1	1	20.68889	-9.35000	-6.40000	0.02927	0.59865	-28.57479
1	1	20.68889	-8.40000	-6.40000	-0.00277	0.36934	-29.75726
1	1	20.68889	-7.45000	-6.40000	-0.03259	0.08399	-30.60953
1	1	20.68889	-6.50000	-6.40000	-0.05772	-0.23744	-31.17919
1	1	20.68889	-5.55000	-6.40000	-0.07567	-0.57748	-31.49382
1	1	20.68889	-4.60000	-6.40000	-0.08427	-0.91898	-31.56951
1	1	20.68889	-3.65000	-6.40000	-0.08204	-1.24256	-31.41556
1	1	20.68889	-2.70000	-6.40000	-0.06851	-1.52483	-31.03841
1	1	20.68889	-1.75000	-6.40000	-0.04440	-1.73885	-30.44524
1	1	20.68889	-0.80000	-6.40000	-0.01161	-1.85789	-29.64606
1	1	20.68889	0.15000	-6.40000	0.02701	-1.86198	-28.65189



GROUND AND WATER LIMITED

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Ref.	Name	x [m]	y [m]	z [mOD]	δx [mm]	δy [mm]	δz [mm]
1	1	20.68889	1.10000	-6.40000	0.06805	-1.74455	-27.46643
1	1	20.68889	2.05000	-6.40000	0.10815	-1.51443	-26.06926
1	1	20.68889	3.00000	-6.40000	0.14447	-1.19198	-24.38435
1	1	20.68889	3.95000	-6.40000	0.17512	-0.80191	-22.19269
1	1	20.68889	4.90000	-6.40000	0.19926	-0.36722	-18.37662
1	1	21.67407	-12.20000	-6.40000	-0.05980	0.69069	-20.24202
1	1	21.67407	-11.25000	-6.40000	-0.10374	0.75945	-24.14941
1	1	21.67407	-10.30000	-6.40000	-0.14733	0.71049	-26.33014
1	1	21.67407	-9.35000	-6.40000	-0.18851	0.56154	-27.88173
1	1	21.67407	-8.40000	-6.40000	-0.22486	0.33599	-29.02030
1	1	21.67407	-7.45000	-6.40000	-0.25385	0.05693	-29.83681
1	1	21.67407	-6.50000	-6.40000	-0.27300	-0.25568	-30.37934
1	1	21.67407	-5.55000	-6.40000	-0.28013	-0.58467	-30.67577
1	1	21.67407	-4.60000	-6.40000	-0.27361	-0.91352	-30.74239
1	1	21.67407	-3.65000	-6.40000	-0.25263	-1.22377	-30.58866
1	1	21.67407	-2.70000	-6.40000	-0.21751	-1.49328	-30.22102
1	1	21.67407	-1.75000	-6.40000	-0.16987	-1.69644	-29.64643
1	1	21.67407	-0.80000	-6.40000	-0.11272	-1.80773	-28.87443
1	1	21.67407	0.15000	-6.40000	-0.05016	-1.80805	-27.91531
1	1	21.67407	1.10000	-6.40000	0.01313	-1.69107	-26.77184
1	1	21.67407	2.05000	-6.40000	0.07264	-1.46520	-25.42256
1	1	21.67407	3.00000	-6.40000	0.12475	-1.14976	-23.79020
1	1	21.67407	3.95000	-6.40000	0.16730	-0.76811	-21.65417
1	1	21.67407	4.90000	-6.40000	0.19975	-0.34190	-17.89478
1	1	22.65926	-12.20000	-6.40000	-0.22123	0.63755	-19.57080
1	1	22.65926	-11.25000	-6.40000	-0.27888	0.70691	-23.39356
1	1	22.65926	-10.30000	-6.40000	-0.33375	0.66086	-25.49593
1	1	22.65926	-9.35000	-6.40000	-0.38308	0.51754	-26.97992
1	1	22.65926	-8.40000	-6.40000	-0.42371	0.30057	-28.06174
1	1	22.65926	-7.45000	-6.40000	-0.45254	0.03291	-28.83466
1	1	22.65926	-6.50000	-6.40000	-0.46687	-0.26583	-29.34597
1	1	22.65926	-5.55000	-6.40000	-0.46459	-0.57905	-29.62325
1	1	22.65926	-4.60000	-6.40000	-0.44434	-0.89102	-29.68253
1	1	22.65926	-3.65000	-6.40000	-0.40576	-1.18438	-29.53308
1	1	22.65926	-2.70000	-6.40000	-0.34980	-1.43837	-29.18114
1	1	22.65926	-1.75000	-6.40000	-0.27895	-1.62896	-28.63334
1	1	22.65926	-0.80000	-6.40000	-0.19737	-1.73210	-27.89860
1	1	22.65926	0.15000	-6.40000	-0.11061	-1.72973	-26.98643
1	1	22.65926	1.10000	-6.40000	-0.02495	-1.61577	-25.89870
1	1	22.65926	2.05000	-6.40000	0.05356	-1.39792	-24.61305
1	1	22.65926	3.00000	-6.40000	0.12021	-1.09395	-23.05116
1	1	22.65926	3.95000	-6.40000	0.17246	-0.72512	-20.99072
1	1	22.65926	4.90000	-6.40000	0.21032	-0.31102	-17.30900
1	1	23.64444	-12.20000	-6.40000	-0.35420	0.57183	-18.72722
1	1	23.64444	-11.25000	-6.40000	-0.42010	0.64356	-22.42874
1	1	23.64444	-10.30000	-6.40000	-0.48227	0.60244	-24.42207
1	1	23.64444	-9.35000	-6.40000	-0.53752	0.46764	-25.81464
1	1	23.64444	-8.40000	-6.40000	-0.58159	0.26303	-26.82566
1	1	23.64444	-7.45000	-6.40000	-0.61045	0.01113	-27.54553
1	1	23.64444	-6.50000	-6.40000	-0.62085	-0.26918	-28.02060
1	1	23.64444	-5.55000	-6.40000	-0.61051	-0.56214	-28.27717
1	1	23.64444	-4.60000	-6.40000	-0.57817	-0.85302	-28.33040
1	1	23.64444	-3.65000	-6.40000	-0.52372	-1.12574	-28.18905
1	1	23.64444	-2.70000	-6.40000	-0.44855	-1.36114	-27.85899
1	1	23.64444	-1.75000	-6.40000	-0.35591	-1.53709	-27.34645
1	1	23.64444	-0.80000	-6.40000	-0.25108	-1.63142	-26.65972
1	1	23.64444	0.15000	-6.40000	-0.14121	-1.62743	-25.80752
1	1	23.64444	1.10000	-6.40000	-0.03445	-1.51939	-24.79110
1	1	23.64444	2.05000	-6.40000	0.06128	-1.31412	-23.58795
1	1	23.64444	3.00000	-6.40000	0.13965	-1.02722	-22.11994
1	1	23.64444	3.95000	-6.40000	0.19735	-0.67680	-20.16386
1	1	23.64444	4.90000	-6.40000	0.23521	-0.27898	-16.59242
1	1	24.62963	-12.20000	-6.40000	-0.44519	0.50219	-17.66430
1	1	24.62963	-11.25000	-6.40000	-0.50882	0.57637	-21.18111
1	1	24.62963	-10.30000	-6.40000	-0.57140	0.53945	-23.01826
1	1	24.62963	-9.35000	-6.40000	-0.62898	0.41387	-24.29014
1	1	24.62963	-8.40000	-6.40000	-0.67496	0.22395	-25.21187
1	1	24.62963	-7.45000	-6.40000	-0.70357	-0.00883	-25.86838
1	1	24.62963	-6.50000	-6.40000	-0.71072	-0.26689	-26.30189
1	1	24.62963	-5.55000	-6.40000	-0.69379	-0.53567	-26.53594
1	1	24.62963	-4.60000	-6.40000	-0.65144	-0.80163	-26.58410
1	1	24.62963	-3.65000	-6.40000	-0.58369	-1.05014	-26.45427
1	1	24.62963	-2.70000	-6.40000	-0.49222	-1.26390	-26.15188
1	1	24.62963	-1.75000	-6.40000	-0.38085	-1.42307	-25.68270
1	1	24.62963	-0.80000	-6.40000	-0.25588	-1.50780	-25.05448
1	1	24.62963	0.15000	-6.40000	-0.12596	-1.50324	-24.27531
1	1	24.62963	1.10000	-6.40000	-0.00113	-1.40429	-23.34647



Job No.	Sheet No.	Rev.
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Ref.	Name	x [m]	y [m]	z [mOD]	δx [mm]	δy [mm]	δz [mm]
1	1	24.62963	2.05000	-6.40000	0.10846	-1.21690	-22.24722
1	1	24.62963	3.00000	-6.40000	0.19414	-0.95422	-20.90364
1	1	24.62963	3.95000	-6.40000	0.25050	-0.62996	-19.09704
1	1	24.62963	4.90000	-6.40000	0.27878	-0.25372	-15.69518
1	1	25.61481	-12.20000	-6.40000	-0.47986	0.44625	-16.27238
1	1	25.61481	-11.25000	-6.40000	-0.52077	0.51722	-19.45808
1	1	25.61481	-10.30000	-6.40000	-0.57499	0.47750	-21.06101
1	1	25.61481	-9.35000	-6.40000	-0.63142	0.35880	-22.17578
1	1	25.61481	-8.40000	-6.40000	-0.67772	0.18431	-22.99012
1	1	25.61481	-7.45000	-6.40000	-0.70565	-0.02712	-23.57388
1	1	25.61481	-6.50000	-6.40000	-0.71013	-0.26009	-23.96120
1	1	25.61481	-5.55000	-6.40000	-0.68821	-0.50164	-24.17118
1	1	25.61481	-4.60000	-6.40000	-0.63846	-0.73966	-24.21502
1	1	25.61481	-3.65000	-6.40000	-0.56095	-0.96108	-24.09945
1	1	25.61481	-2.70000	-6.40000	-0.45754	-1.15068	-23.82940
1	1	25.61481	-1.75000	-6.40000	-0.33245	-1.29121	-23.41028
1	1	25.61481	-0.80000	-6.40000	-0.19272	-1.36566	-22.84933
1	1	25.61481	0.15000	-6.40000	-0.04811	-1.36146	-22.15430
1	1	25.61481	1.10000	-6.40000	0.08979	-1.27457	-21.32752
1	1	25.61481	2.05000	-6.40000	0.20883	-1.11049	-20.35325
1	1	25.61481	3.00000	-6.40000	0.29737	-0.88076	-19.17108
1	1	25.61481	3.95000	-6.40000	0.34443	-0.59542	-17.59017
1	1	25.61481	4.90000	-6.40000	0.34491	-0.25076	-14.50065
1	1	26.60000	-12.20000	-6.40000	-0.44703	0.46908	-13.98614
1	1	26.60000	-11.25000	-6.40000	-0.42108	0.47796	-16.12897
1	1	26.60000	-10.30000	-6.40000	-0.46746	0.41955	-17.39201
1	1	26.60000	-9.35000	-6.40000	-0.52267	0.30403	-18.31876
1	1	26.60000	-8.40000	-6.40000	-0.56858	0.14498	-19.01329
1	1	26.60000	-7.45000	-6.40000	-0.59549	-0.04381	-19.51849
1	1	26.60000	-6.50000	-6.40000	-0.59789	-0.24993	-19.85694
1	1	26.60000	-5.55000	-6.40000	-0.57271	-0.46240	-20.04204
1	1	26.60000	-4.60000	-6.40000	-0.51857	-0.67063	-20.08210
1	1	26.60000	-3.65000	-6.40000	-0.43561	-0.86323	-19.98251
1	1	26.60000	-2.70000	-6.40000	-0.32583	-1.02715	-19.74765
1	1	26.60000	-1.75000	-6.40000	-0.19366	-1.14795	-19.38262
1	1	26.60000	-0.80000	-6.40000	-0.04646	-1.21173	-18.89422
1	1	26.60000	0.15000	-6.40000	0.10554	-1.20852	-18.29006
1	1	26.60000	1.10000	-6.40000	0.25009	-1.13564	-17.57435
1	1	26.60000	2.05000	-6.40000	0.37417	-0.99875	-16.73941
1	1	26.60000	3.00000	-6.40000	0.46446	-0.80969	-15.74995
1	1	26.60000	3.95000	-6.40000	0.50424	-0.58275	-14.49935
1	1	26.60000	4.90000	-6.40000	0.43639	-0.33134	-12.43177

Results : Consolidation : Displacement Data : Grids

None

Results : Total : Displacement Data : Grids

None