



GEA LIMITED
(GEOTECHNICAL &ENV ASSOC)

Haverstock hill
Short term movements

Job No.	Sheet No.	Rev.
J18009		
Drg. Ref.		
Made by	Date	Checked
	20-Apr-2018	

[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	64.66000	36.26000	30.80000	0.23299 d
1.8916	63.15812	37.41000	30.80000	0.23242 d
3.7832	61.65625	38.56000	30.80000	0.23205 d
5.6748	60.15438	39.71000	30.80000	0.23194 d
7.5664	58.65250	40.86000	30.80000	0.23215 d
9.4580	57.15062	42.01000	30.80000	0.23267 d
11.350	55.64875	43.16000	30.80000	0.23347 d
13.241	54.14688	44.31000	30.80000	0.23448 d
15.133	52.64500	45.46000	30.80000	0.23560 d
17.024	51.14312	46.61000	30.80000	0.23668 d
18.916	49.64125	47.76000	30.80000	0.23761 d
20.808	48.13938	48.91000	30.80000	0.23825 d
22.699	46.63750	50.06000	30.80000	0.23847 d
24.591	45.13563	51.21000	30.80000	0.23817 d
26.482	43.63375	52.36000	30.80000	0.23729 d
28.374	42.13188	53.51000	30.80000	0.23576 d
30.266	40.63000	54.66000	30.80000	0.23356 d
d = Displacements include imported displacements.				

Structure: I Sub-structure:				
Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	40.53000	54.66000	30.80000	0.23331 d
1.9179	39.27471	53.21000	30.80000	0.22780 d
3.8358	38.01941	51.76000	30.80000	0.22130 d
5.7536	36.76412	50.31000	30.80000	0.21407 d
7.6715	35.50882	48.86000	30.80000	0.20638 d
9.5894	34.25353	47.41000	30.80000	0.19839 d
11.507	32.99824	45.96000	30.80000	0.19027 d
13.425	31.74294	44.51000	30.80000	0.18214 d
15.343	30.48765	43.06000	30.80000	0.17408 d
17.261	29.23235	41.61000	30.80000	0.16618 d
19.179	27.97706	40.16000	30.80000	0.15847 d
21.097	26.72176	38.71000	30.80000	0.15101 d
23.015	25.46647	37.26000	30.80000	0.14381 d
24.932	24.21118	35.81000	30.80000	0.13689 d
26.850	22.95588	34.36000	30.80000	0.13027 d
28.768	21.70059	32.91000	30.80000	0.12395 d
30.686	20.44529	31.46000	30.80000	0.11792 d
32.604	19.19000	30.01000	30.80000	0.11219 d
d = Displacements include imported displacements.				

Structure: J Sub-structure:				
Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	19.29000	30.01000	30.80000	0.11244 d
1.9237	21.21043	30.12130	30.80000	0.11760 d
3.8473	23.11087	30.23261	30.80000	0.12296 d
5.7710	25.05130	30.34391	30.80000	0.12852 d
7.6946	26.97174	30.45522	30.80000	0.13427 d
9.6183	28.89217	30.56652	30.80000	0.14020 d
11.542	30.81261	30.67783	30.80000	0.14629 d
13.466	32.73304	30.78913	30.80000	0.15254 d
15.389	34.65348	30.90043	30.80000	0.15890 d
17.313	36.57391	31.01174	30.80000	0.16535 d
19.237	38.49435	31.12304	30.80000	0.17186 d
21.160	40.41478	31.23435	30.80000	0.17838 d
23.084	42.33522	31.34565	30.80000	0.18486 d
25.008	44.25565	31.45696	30.80000	0.19124 d
26.931	46.17609	31.56826	30.80000	0.19745 d
28.855	48.09652	31.67957	30.80000	0.20344 d
30.779	50.01696	31.79087	30.80000	0.20911 d
32.702	51.93739	31.90217	30.80000	0.21440 d
34.626	53.85783	32.01348	30.80000	0.21921 d
36.549	55.77826	32.12478	30.80000	0.22349 d
38.473	57.69870	32.23609	30.80000	0.22715 d
40.397	59.61913	32.34739	30.80000	0.23014 d
42.320	61.53957	32.45870	30.80000	0.23242 d
44.244	63.46000	32.57000	30.80000	0.23397 d
d = Displacements include imported displacements.				

Structure: K Sub-structure:				
Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	39.31000	53.37000	31.50000	0.22814 d
1.9083	37.83053	54.57526	31.50000	0.22490 d
3.8165	36.35105	55.78053	31.50000	0.22116 d
5.7248	34.87158	56.98579	31.50000	0.21695 d
7.6331	33.39211	58.19105	31.50000	0.21231 d
9.5414	31.91263	59.39632	31.50000	0.20730 d
11.450	30.43316	60.60158	31.50000	0.20197 d
13.358	28.95368	61.80684	31.50000	0.19637 d
15.266	27.47421	63.01211	31.50000	0.19056 d
17.174	25.99474	64.21737	31.50000	0.18460 d
19.083	24.51526	65.42263	31.50000	0.17854 d
20.991	23.03579	66.62789	31.50000	0.17242 d
22.899	21.55632	67.83316	31.50000	0.16628 d
24.808	20.07684	69.03842	31.50000	0.16018 d
26.716	18.59737	70.24368	31.50000	0.15413 d
28.624	17.11789	71.44895	31.50000	0.14818 d
30.532	15.63842	72.65421	31.50000	0.14233 d
32.441	14.15895	73.85947	31.50000	0.13662 d
34.349	12.67947	75.06474	31.50000	0.13105 d
36.257	11.20000	76.27000	31.50000	0.12563 d
d = Displacements include imported displacements.				

Specific Building Damage Results - All Segments

Structure: A Sub-structure:											
Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m] 0.0			[m] [m]		[%] [%]		[%] [%]			[m] [m]	
	1	0.0	15.043	Sagging	0.0055552	-0.0043316	0.0040023	646.27E-6	478.15E-6	8161.0	0 (Negligible)
Tensile horizontal strains are +ve, compressive horizontal strains are -ve.											



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Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m] 0.0			[m]	[m]							
Structure: B Sub-structure:											
	1	0.0	2.8829	Sagging	0.015827	0.0	0.015528	0.0	0.0014349	1758.3	0 (Negligible)
	2	2.8829	12.246	Hogging	0.017657	0.0	0.016243	0.0	0.0014349	4803.4	0 (Negligible)
	3	15.129	5.4109	Sagging	0.0040793	0.0	0.0038197	0.0	-327.92E-6	20208.0	0 (Negligible)
	4	20.540	9.7362	Hogging	0.0089112	0.0	0.0084466	0.0	-712.99E-6	4860.4	0 (Negligible)
Tensile horizontal strains are +ve, compressive horizontal strains are -ve.											

Structure: C Sub-structure:											
Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m] 0.0			[m]	[m]							
	1	0.0	15.132	Sagging	0.0097742	0.037357	0.052003	-373.43E-6	-899.16E-6	2862.7	1 (Very Slight)
Tensile horizontal strains are +ve, compressive horizontal strains are -ve.											

Structure: D Sub-structure:											
Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m] 0.0			[m]	[m]							
	1	0.0	28.864	Hogging	401.42E-6	-149.77E-6	455.87E-6	22.609E-6	-13.295E-6	719400.0	0 (Negligible)
Tensile horizontal strains are +ve, compressive horizontal strains are -ve.											

Structure: E Sub-structure:											
Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m] 0.0			[m]	[m]							
	1	0.0	18.445	Sagging	101.73E-6	0.0	150.88E-6	0.0	-4.2570E-6	871290.0	0 (Negligible)
Tensile horizontal strains are +ve, compressive horizontal strains are -ve.											

Structure: F Sub-structure:											
Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m] 0.0			[m]	[m]							
	1	0.0	6.6792	Sagging	11.755E-6	0.0	13.411E-6	0.0	2.8430E-6	4.4534E+6	0 (Negligible)
	2	6.6792	23.538	Hogging	96.087E-6	0.0	142.16E-6	0.0	-3.1491E-6	2.5060E+6	0 (Negligible)
	3	30.217	10.125	Sagging	26.522E-6	0.0	37.515E-6	0.0	-3.1491E-6	3.2376E+6	0 (Negligible)
Tensile horizontal strains are +ve, compressive horizontal strains are -ve.											

Structure: G Sub-structure:											
Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m] 0.0			[m]	[m]							
	1	0.0	19.001	Sagging	75.056E-6	0.0	110.54E-6	0.0	4.3257E-6	1.2041E+6	0 (Negligible)
	2	19.001	25.282	Hogging	23.594E-6	0.0	35.369E-6	0.0	4.3257E-6	12.146E+6	0 (Negligible)
Tensile horizontal strains are +ve, compressive horizontal strains are -ve.											

Structure: H Sub-structure:											
Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m] 0.0		[m]	[m]	[%]		[%]				[m]	
	1	0.0	14.731	Hogging	13.971E-6	0.0	14.913E-6	0.0	0.0	11.663E+6	(Negligible)
	2	14.731	15.534	Sagging	25.949E-6	0.0	39.017E-6	0.0	1.1581E-6	5.3753E+6	(Negligible)
Tensile horizontal strains are +ve, compressive horizontal strains are -ve.											



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Movement Calculations	Displacement Curve	Curve
[m] 0.0	[m] 1 0.0 19.558 Hogging	[m] 0.0 -3.3884E-6 18.131E+6
2 19.558 24.686 Sagging	36.526E-6	0.0 52.822E-6 -3.3884E-6 5.0632E+6

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

Structure: K | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average of Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m] 0.0	1	[m] 0.0	[m] 21.655	Sagging	[%] 21.457E-6	[%] 0.0	[%] 30.363E-6	0.0	3.2132E-6	7.1649E+6	0	(Negligible)
2 21.655 14.602 Hogging	5.5977E-6	0.0	6.7592E-6	0.0	3.2132E-6	22.217E+6	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: A | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m] 0.0	[%] 0.0055552	[%] -0.0043316	[mm] 478.15E-6	[mm] 2.3882	[%] 0.0040023	[mm] 646.27E-6	[mm] 478.15E-6	[m] - 8161.0	[m] 0	(Negligible)

Structure: B | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m] 0.0	[%] 0.017657	[%] 0.0	[mm] 0.0014349	[mm] 8.7156	[%] 0.016243	[mm] 0.0	[mm] 0.0014349	[m] 4803.4	[m] 1758.3	0 (Negligible)

Structure: C | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m] 0.0	[%] 0.0097742	[%] 0.037357	[mm] -899.16E-6	[mm] 3.3759	[%] 0.052003	[mm] -373.43E-6	[mm] -899.16E-6	[m] - 2862.7	[m] 1	(Very Slight)

Structure: D | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m] 0.0	[%] 401.42E-6	[%] -149.77E-6	[mm] -13.295E-6	[mm] 0.10701	[%] 455.87E-6	[mm] 22.609E-6	[mm] -13.295E-6	[m] 719400.	[m] - 0	(Negligible)

Structure: E | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m] 0.0	[%] 101.73E-6	[%] 0.0	[mm] -4.2570E-6	[mm] 0.23885	[%] 150.88E-6	[mm] 0.0	[mm] -4.2570E-6	[m] - 871290.	[m] 0	(Negligible)

Structure: F | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m] 0.0	[%] 96.087E-6	[%] 0.0	[mm] -3.1491E-6	[mm] 0.24147	[%] 142.16E-6	[mm] 0.0	[mm] -3.1491E-6	[m] 2.5060E+6	[m] 3.2376E+6	0 (Negligible)

Structure: G | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m] 0.0	[%] 75.056E-6	[%] 0.0	[mm] 4.3257E-6	[mm] 0.24405	[%] 110.54E-6	[mm] 0.0	[mm] 4.3257E-6	[m] 12.146E+6	[m] 1.2041E+6	0 (Negligible)

Structure: H | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m] 0.0	[%] 25.949E-6	[%] 0.0	[mm] 1.1581E-6	[mm] 0.23847	[%] 39.017E-6	[mm] 0.0	[mm] 1.1581E-6	[m] 11.663E+6	[m] 5.3753E+6	0 (Negligible)

Structure: I | Sub-structure:



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Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m] 0.0	[%] 20.115E-6	[%] 0.0	[mm] 4.2408E-6	[mm] 0.23331	[%] 28.145E-6	[mm] 0.0	[mm] 4.2408E-6	[m] 12.409E+6	[m] 3.4162E+6	0 (Negligible)

Structure: J | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m] 0.0	[%] 36.526E-6	[%] 0.0	[mm] -3.3884E-6	[mm] 0.23397	[%] 52.822E-6	[mm] 0.0	[mm] -3.3884E-6	[m] 18.131E+6	[m] 5.0632E+6	0 (Negligible)

Structure: K | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m] 0.0	[%] 21.457E-6	[%] 0.0	[mm] 3.2132E-6	[mm] 0.22814	[%] 30.363E-6	[mm] 0.0	[mm] 3.2132E-6	[m] 22.217E+6	[m] 7.1649E+6	0 (Negligible)

Specific Building Damage Results - Critical Segments within Each Structure

Structure Name	Parameter	Critical Sub-Structure	Critical Segment	Start	End	Curvature	Max Slope	Max Settlement	Max Tensile Strain	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
A	Max Slope			[m]	[m]			[mm]	[%]	[m]	[m]	
	Max Settlement			1	0.0	15.043 Sagging	478.15E-6	2.3882	0.0040023	-	8161.0	0 (Negligible)
	Max Tensile Strain			1	0.0	15.043 Sagging	478.15E-6	2.3882	0.0040023	-	8161.0	0 (Negligible)
	Min Radius of Curvature (Hogging)			-	-	-	-	-	-	-	-	-
B	Max Slope			1	0.0	15.043 Sagging	478.15E-6	2.3882	0.0040023	-	8161.0	0 (Negligible)
	Max Settlement			2	2.8829	15.129 Hogging	0.0014349	8.7156	0.016243	4803.4	- 0	(Negligible)
	Max Tensile Strain			2	2.8829	15.129 Hogging	0.0014349	8.7156	0.016243	4803.4	- 0	(Negligible)
	Min Radius of Curvature (Hogging)			2	2.8829	15.129 Hogging	0.0014349	8.7156	0.016243	4803.4	- 0	(Negligible)
C	Max Slope			1	0.0	15.152 Sagging	899.16E-6	3.3759	0.052003	-	2862.7	1 (Very Slight)
	Max Settlement			1	0.0	15.152 Sagging	899.16E-6	3.3759	0.052003	-	2862.7	1 (Very Slight)
	Max Tensile Strain			1	0.0	15.152 Sagging	899.16E-6	3.3759	0.052003	-	2862.7	1 (Very Slight)
	Min Radius of Curvature (Hogging)			-	-	-	-	-	-	-	-	-
D	Max Slope			1	0.0	15.152 Sagging	899.16E-6	3.3759	0.052003	-	2862.7	1 (Very Slight)
	Max Settlement			1	0.0	15.152 Sagging	899.16E-6	3.3759	0.052003	-	2862.7	1 (Very Slight)
	Max Tensile Strain			1	0.0	15.152 Sagging	899.16E-6	3.3759	0.052003	-	2862.7	1 (Very Slight)
	Min Radius of Curvature (Hogging)			-	-	-	-	-	-	-	-	-
E	Max Slope			1	0.0	15.152 Sagging	899.16E-6	3.3759	0.052003	-	2862.7	1 (Very Slight)
	Max Settlement			1	0.0	15.152 Sagging	899.16E-6	3.3759	0.052003	-	2862.7	1 (Very Slight)
	Max Tensile Strain			1	0.0	15.152 Sagging	899.16E-6	3.3759	0.052003	-	2862.7	1 (Very Slight)
	Min Radius of Curvature (Hogging)			-	-	-	-	-	-	-	-	-
F	Max Slope			1	0.0	15.152 Sagging	899.16E-6	3.3759	0.052003	-	2862.7	1 (Very Slight)
	Max Settlement			1	0.0	15.152 Sagging	899.16E-6	3.3759	0.052003	-	2862.7	1 (Very Slight)
	Max Tensile Strain			1	0.0	15.152 Sagging	899.16E-6	3.3759	0.052003	-	2862.7	1 (Very Slight)
	Min Radius of Curvature (Hogging)			-	-	-	-	-	-	-	-	-
G	Max Slope			1	0.0	15.152 Sagging	899.16E-6	3.3759	0.052003	-	2862.7	1 (Very Slight)
	Max Settlement			1	0.0	15.152 Sagging	899.16E-6	3.3759	0.052003	-	2862.7	1 (Very Slight)
	Max Tensile Strain			1	0.0	15.152 Sagging	899.16E-6	3.3759	0.052003	-	2862.7	1 (Very Slight)
	Min Radius of Curvature (Hogging)			-	-	-	-	-	-	-	-	-
H	Max Slope			1	0.0	15.152 Sagging	899.16E-6	3.3759	0.052003	-	2862.7	1 (Very Slight)
	Max Settlement			1	0.0	15.152 Sagging	899.16E-6	3.3759	0.052003	-	2862.7	1 (Very Slight)
	Max Tensile Strain			1	0.0	15.152 Sagging	899.16E-6	3.3759	0.052003	-	2862.7	1 (Very Slight)
	Min Radius of Curvature (Hogging)			-	-	-	-	-	-	-	-	-
I	Max Slope			1	0.0	15.152 Sagging	899.16E-6	3.3759	0.052003	-	2862.7	1 (Very Slight)
	Max Settlement			1	0.0	15.152 Sagging	899.16E-6	3.3759	0.052003	-	2862.7	1 (Very Slight)
	Max Tensile Strain			1	0.0	15.152 Sagging	899.16E-6	3.3759	0.052003	-	2862.7	1 (Very Slight)
	Min Radius of Curvature (Hogging)			-	-	-	-	-	-	-	-	-