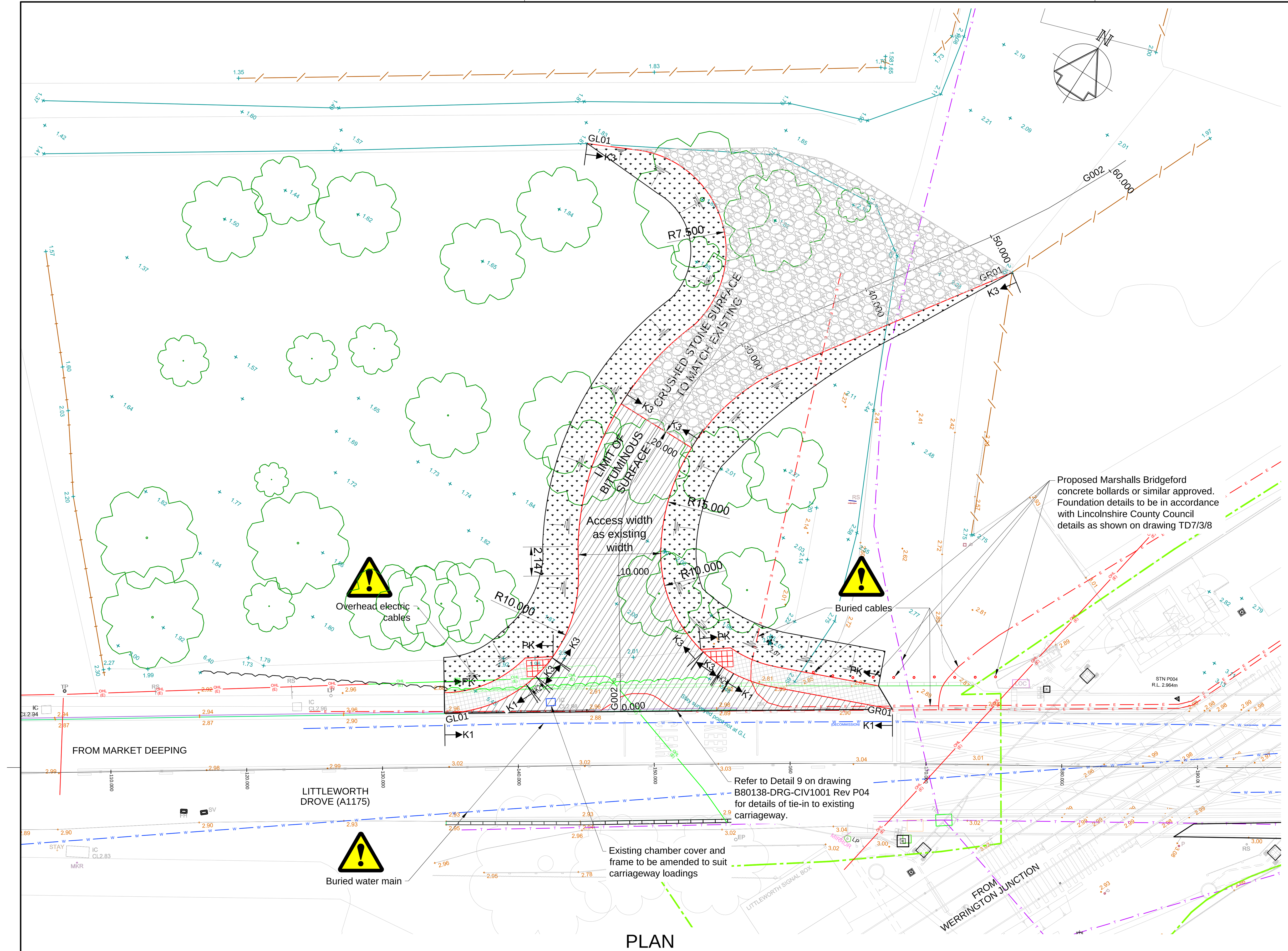


PLAN

SCALE 1:200 @ A1

KEY

*SHW Volume 1

Symbol	Description
(diagonal hatch)	ACCESS ROAD CONSTRUCTION 40mm thick AC10 close surface course 100/150 (PSV 68 & AAV 16) to Cl 912 *, & 60mm thick AC20 dense bin 40/60 WTR2 binder course to Cl 906 * 100mm thick base 135mm thick Type 1 sub-base Refer to Standard Details drawing B80138-0000-DRG-CIV1001 C04
(cross hatch)	FULL FOOTWAY CONSTRUCTION 25mm thick AC6 close graded dense bitumen surface course CL. 912 (PSV 68 & AAV 16). 50mm thick 10mm DBM50 base, to Clause 906 SHW 1 100mm Type 1 Granular sub base to Clause 803-806 SHW VOL1.DFT. on 6F2 capping material to achieve finished levels in accordance with specification for highway works MCHW series 600.
(dotted)	AREA OF VERGE TREATMENT Refer to Detail 3 on drawing B80138-0000-DRG-CIV1001 Rev C04. Where highway lift is proposed, verge to be regraded to back of verge.
(stone pattern)	CRUSHED STONE FINISH
K1	PROPOSED EDGE KERB TO RETAIN FOOTWAY - Refer to Detail 4 on Standard Details drawing B80138-0000-DRG-CIV1001 C04
K2	PROPOSED DROPPED EDGE KERB TO RETAIN FOOTWAY - Refer to Detail 7 on Standard Details drawing B80138-0000-DRG-CIV100
K3	PROPOSED EDGE KERB TO RETAIN FOOTWAY/CARRIAGEWAY - Refer to Detail 8 on Standard Details drawing B80138-0000-DRG-CIV1001 C04
PK	PROPOSED PIN KERB TO RETAIN FOOTWAY - Refer to Detail 6 on Standard Details drawing B80138-0000-DRG-CIV1001 C04
(green dash-dot line)	Network Rail Boundary
(red grid)	Tactile Paving - see Standard Details drawing B80138-0000-DRG-CIV1001 C04, Detail 11

String Name G002

Point	Easting	Northing	Level	Bearing	Radius
1.000	200903.603	143372.215	2.880	326.542	
2.000	200897.626	143381.260	2.826	326.542	
3.000	200897.626	143381.260	2.826	326.542	18.500
4.000	200897.817	143401.942	2.581	326.542	18.500
5.000	200897.817	143401.942	2.581	34.518	
6.000	200906.948	143415.219	2.175	34.518	
7.000	200906.948	143415.219	2.175	34.518	-60.000
8.000	200913.018	143426.439	2.012	34.518	-60.000
10.000	200901.949	143374.718	2.865	326.542	
11.000	200900.295	143377.221	2.850	326.542	
12.000	200898.641	143379.724	2.835	326.542	
13.000	200897.018	143382.246	2.820	330.131	18.500
14.000	200895.740	143384.957	2.805	339.422	18.500
15.000	200894.918	143387.838	2.784	348.713	18.500
16.000	200894.571	143390.815	2.756	358.004	18.500
17.000	200894.710	143393.808	2.721	7.296	18.500
18.000	200895.330	143396.740	2.680	16.587	18.500
19.000	200896.415	143399.534	2.632	25.878	18.500
20.000	200897.936	143402.116	2.577	34.518	
21.000	200899.636	143404.588	2.515	34.518	
22.000	200901.336	143407.059	2.446	34.518	
23.000	200903.036	143409.531	2.370	34.518	
24.000	200904.736	143412.003	2.287	34.518	
25.000	200906.436	143414.475	2.199	34.518	
26.000	200908.106	143416.967	2.124	32.515	-60.000
27.000	200909.654	143419.536	2.068	29.650	-60.000
28.000	200911.073	143422.179	2.032	26.785	-60.000
29.000	200912.357	143424.890	2.014	23.920	-60.000

String Name GL01

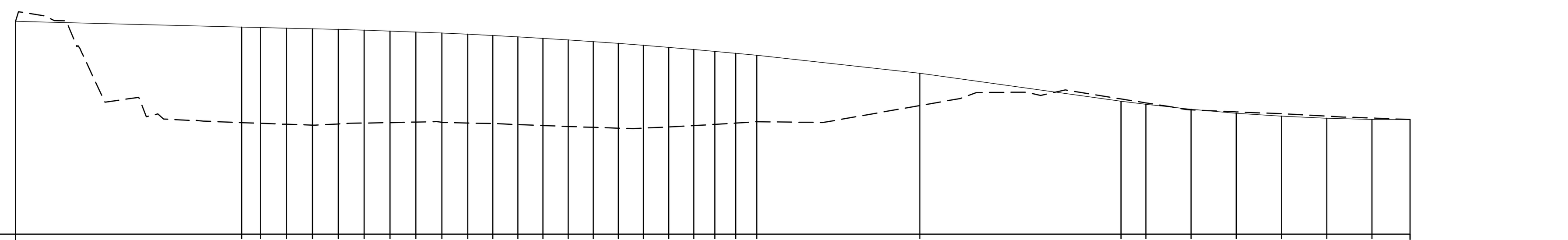
Point	Easting	Northing	Level	Bearing	Radius
31.000	200892.755	143365.105	2.870	56.534	-10.000
32.000	200895.436	143379.177	2.829	56.534	-10.000
33.000	200895.436	143379.177	2.829	324.075	21.100
34.000	200892.575	143398.436	2.572	324.075	21.100
35.000	200892.575	143398.436	2.572	19.025	-7.500
36.000	200882.290	143407.666	0.000	19.025	-7.500
37.000	200882.290	143407.666	0.000	244.790	
38.000	200878.957	143406.097	0.000	244.790	
40.000	200894.974	143367.107	2.865	39.345	-10.000
41.000	200896.502	143369.676	2.859	22.156	-10.000
42.000	200897.203	143372.581	2.854	4.967	-10.000
43.000	200897.014	143375.564	2.848	347.779	-10.000
44.000	200895.952	143378.358	2.834	330.590	-10.000
45.000	200894.325	143380.877	2.820	329.590	21.100
46.000	200892.995	143383.563	2.807	337.736	21.100
47.000	200892.060	143386.411	2.790	345.882	21.100
48.000	200891.537	143389.362	2.768	354.029	21.100
49.000	200891.438	143392.358	2.743	2.175	21.100
50.000	200891.764	143395.338	2.692	10.321	21.100
51.000	200892.509	143398.241	2.582	18.468	21.100
52.000	200892.978	143401.185	2.413	357.674	-7.500
53.000	200892.268	143404.079	2.189	334.756	-7.500
54.000	200890.487	143406.468	1.993	311.838	-7.500
55.000	200887.916	143407.975	1.865	288.920	-7.500
56.000	200884.962	143408.362	1.803	266.001	-7.500
57.000	200882.088	143407.571	0.000	244.790	
58.000	200879.374	143406.293	0.000	244.790	

String Name GR01

POINT	Easting	Northing	Level
1.000	200919.751	143382.886	2.885
2.000	200918.036	143382.191	2.883
3.000	200915.719	143381.252	2.879
4.000	200913.402	143380.314	2.876
5.000	200911.979	143379.737	2.874
6.000	200911.069	143379.418	2.873
7.000	200910.261	143379.215	2.872
8.000	200909.459	143379.082	2.870
9.000	200909.439	143379.079	2.870
10.000	200908.609	143379.012	2.867
11.000	200907.776	143379.015	2.865
12.000	200906.946	143379.087	2.862
13.000	200906.124	143379.228	2.859
14.000	200905.417	143379.407	2.856
15.000	200905.318	143379.436	2.856
16.000	200904.531	143379.712	2.853
17.000	143380.051	143380.051	2.849
18.000	200903.041	143380.453	2.845
19.000	200902.746	143380.638	2.843
20.000	200902.347	143380.914	2.841
21.000	200901.694	143381.431	2.837
22.000	200901.086	143382.001	2.833
23.000	200900.775	143382.333	2.831
24.000	200900.528	143382.619	2.829
25.000	200900.238	143382.986	2.827
26.000	200900.023	143383.282	2.824
27.000	200899.841	143383.551	2.822
28.000	200899.627	143383.897	2.820
29.000	200899.484	143384.143	2.818
30.000	200899.198	143384.670	2.815
31.000	200899.000	143385.067	2.812
32.000	200898.931	143385.211	2.811
33.000	200898.815	143385.467	2.809
34.000	200898.581	143386.023	2.805
35.000	200898.355	143386.629	2.801
36.000	200898.229	143387.008	2.797
37.000	200897.994	143387.825	2.790
38.000	200897.946	143388.016	2.788
39.000	200897.735	143389.042	2.778
40.000	200897.734	143389.047	2.778
41.000	200897.595	143390.081	2.767
42.000	200897.576	143390.287	2.764
43.000	200897.528	143391.128	2.754
44.000	200897.522	143391.535	2.749
45.000	200897.535	143392.178	2.740
46.000	200897.572	143392.784	2.732
47.000	200897.615	143393.225	2.725
48.000	200897.726	143394.024	2.713
49.000	200897.768	143394.264	2.709
50.000	200897.982	143395.247	2.692
51.000	200897.993	143395.290	2.692
52.000	200898.290	143396.297	2.673
53.000	200898.340	143396.444	2.670
54.000	200898.656	143397.281	2.653
55.000	200898.796	143397.608	2.646
56.000	200899.090	143398.236	2.632
57.000	200899.347	143398.730	2.621
58.000	200899.589	143399.158	2.610
59.000	200899.989	143399.801	2.593
60.000	200900.151	143400.042	2.587
61.000	200900.163	143400.059	2.586
62.000	200900.289	143400.242	2.581
63.000	200901.403	143401.863	2.542
64.000	200901.541	143402.064	2.537
65.000	200902.820	143403.923	2.487
66.000	200902.958	143404.123	2.482
67.000	200904.237	143405.983	2.428
68.000	200904.375	143406.183	2.422
69.000	200905.653	143408.043	2.364
70.000	200905.791	143408.243	2.357
71.000	200907.070	143410.102	2.295
72.000	200907.208	143410.303	2.288
73.000	200908.350	143411.964	2.228
74.000	200908.487	143412.162	2.221
75.000	200908.625	143412.363	2.214
76.000	200909.419	143413.518	2.175
77.000	200909.903	143414.222	2.155
78.000	200910.072	143414.468	2.148
79.000	200910.421	143414.975	2.134

NOTES

1. All dimensions are in metres unless stated otherwise.
2. All co-ordinates, setting out points and levels are in metres and to the GNGE Grid. Survey undertaken by Tata Steel in August 2013 and co-ordinated to GNGE Tertiary survey stations.
3. The signed (legal) speed of the single carriageway road is 50 mph. 85%ile speed 45.6 mph northbound & 44.7 mph southbound
4. Highway vertical geometry to Department for Transport Highways Agency Design Standards; DMRB Vol. 6 Section 1, TD9/93 table 3.
5. All services shown on this drawing must be considered as for guidance purposes only. Exact positions and depths of all services should be checked in accordance with all relevant standards. All services are shown indicatively.
6. Pavement works in accordance with HAUC (UK) Highway Authorities and Utilities Committee and Specification for Highway Works.
7. For details of tie ins, stepped surfaces, surface treatments, regulating material details refer to Standard Details drawing B80138-0000-DRG-CIV1001 Rev C04.

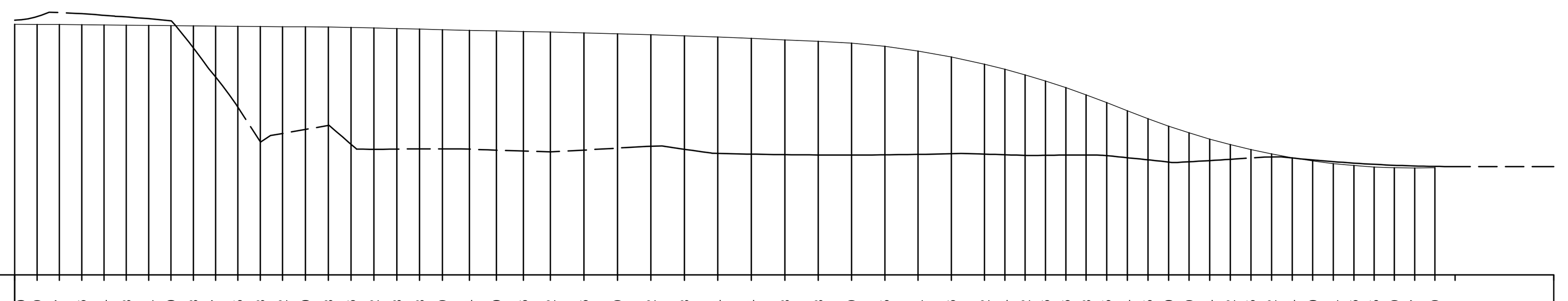


Level Datum =1.000

CENTRE LINE LEVELS	2.880 2.830 2.826 2.820 2.814 2.809 2.802 2.795 2.786 2.777 2.766 2.755 2.743 2.730 2.716 2.701 2.685 2.668 2.650 2.632 2.615 2.598 2.581 2.421 2.174 2.147 2.103 2.068 2.042 2.023 2.014 2.012
GRADIENT	-0.500 -0.500 -0.500 -0.500 -0.504 -0.569 -0.657 -0.744 -0.831 -0.919 -1.005 -1.089 -1.174 -1.259 -1.344 -1.429 -1.513 -1.598 -1.683 -1.761 -1.832 -1.903 -2.213 -2.770 -2.507 -2.180 -1.756 -1.333 -0.910 -0.486 -0.096
EXISTING GROUND LEVELS	2.965 2.928 2.887 2.886 2.606 2.165 2.209 2.037 2.017 2.006 1.998 1.985 1.979 1.971 1.963 1.962 1.973 1.979 1.981 1.985 1.990 1.994 1.987 1.981 1.977 1.977 1.968 1.959 1.951 1.943 1.936 1.936 1.947 1.959 1.970 1.981 1.993 1.993 1.986 2.136 2.198 2.250 2.250 2.254 2.225 2.274 2.195 2.159 2.123 2.097 2.081 2.080 2.064 2.064 2.042 2.034 2.025 2.024 2.013
LEVEL DIFF.	-0.002 0.845 0.847 0.850 0.851 0.835 0.822 0.809 0.796 0.789 0.785 0.777 0.775 0.770 0.764 0.757 0.748 0.732 0.703 0.673 0.646 0.617 0.587 0.286 -0.020 -0.013 0.006 -0.011 -0.023 -0.019 -0.012 0.000
CHAINAGE	10.000 10.841 11.986 13.131 14.275 15.420 16.565 17.709 18.854 19.999 21.109 22.220 23.331 24.442 25.553 26.664 27.775 28.886 29.997 30.927 31.857 32.786 39.997 48.899 49.997 51.997 53.997 55.996 57.996 59.996 61.680

PROPOSED ACCESS ROAD CENTRE LINE LONG SECTION

HORIZONTAL SCALE 1:200 @ A1
VERTICAL SCALE EXAGGERATED X 5 @ A1

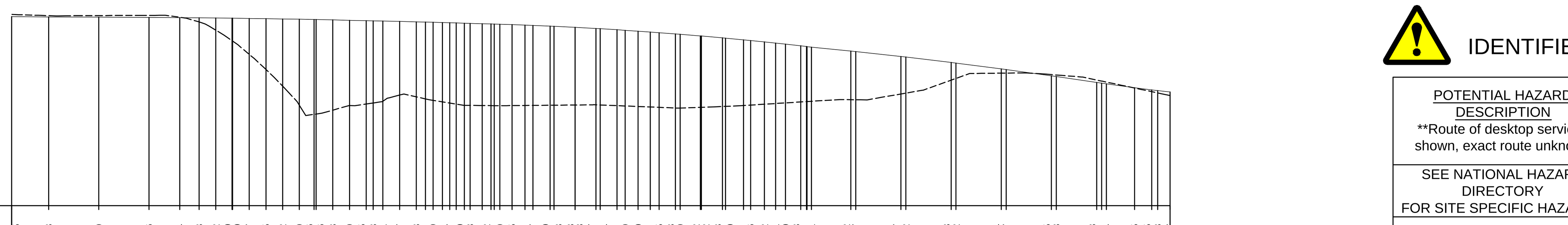


Level Datum =1.000

WEST CHANNEL LEVELS	2.870 2.869 2.867 2.866 2.864 2.863 2.861 2.860 2.858 2.857 2.855 2.853 2.852 2.850 2.848 2.846 2.842 2.838 2.833 2.829 2.824 2.820 2.816 2.812 2.806 2.799 2.792 2.783 2.774 2.764 2.753 2.743 2.729 2.705 2.671 2.626 2.572 2.534 2.492 2.446 2.396 2.343 2.285 2.224 2.165 2.110 2.059 2.014 1.972 1.935 1.902 1.874 1.850 1.831 1.816 1.805 1.799 1.797 1.799
GRADIENT	-0.172 -0.174 -0.176 -0.178 -0.180 -0.182 -0.184 -0.186 -0.188 -0.190 -0.191 -0.193 -0.195 -0.197 -0.267 -0.488 -0.496 -0.500 -0.500 -0.466 -0.430 -0.429 -0.429 -0.458 -0.528 -0.597 -0.667 -0.737 -0.806 -0.876 -0.818 -1.133 -1.945 -2.757 -3.570 -4.382 -5.038 -5.535 -6.032 -6.529 -7.026 -7.526 -7.989 -7.696 -7.122 -6.548 -5.973 -5.399 -4.825 -4.250 -3.676 -3.102 -2.527 -1.953 -1.384 -0.820 -0.256 0.308
EXISTING GROUND LEVELS	2.922 2.957 2.956 2.952 2.945 2.938 2.930 2.923 2.915 2.907 2.898 2.800 2.673 2.545 2.412 2.275 2.125 2.000 2.046 2.062 2.079 2.097 2.115 2.028 1.941 1.937 1.937 1.939 1.940 1.941 1.941 1.940 1.938 1.933 1.928 1.924 1.919 1.921 1.928 1.936 1.944 1.952 1.959 1.962 1.947 1.928 1.909 1.905 1.902 1.899 1.897 1.896 1.895 1.894 1.894 1.895 1.896 1.898 1.900 1.903 1.906 1.902 1.899 1.895 1.891 1.892 1.894 1.894 1.894 1.889 1.877 1.865 1.852 1.839 1.843 1.850 1.858 1.865 1.873 1.880 1.880 1.870 1.859 1.849 1.839 1.831 1.825 1.819 1.814 1.811 1.809 1.808 1.808 1.808 1.808 1.808
LEVEL DIFF.	-0.030 -0.058 -0.090 -0.083 -0.072 -0.062 -0.050 -0.036 0.164 0.381 0.605 0.858 0.798 0.768 0.734 0.872 0.905 0.898 0.893 0.889 0.887 0.890 0.892 0.894 0.874 0.854 0.831 0.846 0.867 0.863 0.856 0.848 0.834 0.809 0.771 0.722 0.670 0.637 0.600 0.553 0.502 0.449 0.396 0.349 0.306 0.268 0.216 0.161 0.110 0.062 0.023 0.001 -0.007 -0.014 -0.018 -0.019 -0.018 -0.015 -0.010
CHAINAGE	0.833 1.666 2.499 3.332 4.165 4.999 5.832 6.665 7.498 8.331 9.164 9.997 10.850 11.702 12.554 13.407 14.259 15.112 15.964 16.972 17.980 18.987 19.995 21.245 22.495 23.744 24.994 26.244 27.494 28.744 29.993 31.234 32.475 33.716 34.957 36.198 36.956 37.715 38.474 39.232 39.991 40.760 41.529 42.298 43.067 43.835 44.604 45.373 46.142 46.911 47.680 48.449 49.218 49.987 50.742 51.497 52.252 53.007 53.762 57.445

PROPOSED ACCESS ROAD WEST CHANNEL LONG SECTION

HORIZONTAL SCALE 1:200 @ A1
VERTICAL SCALE EXAGGERATED X 5 @ A1



Level Datum =1.000

EAST CHANNEL LEVELS	2.885 2.883 2.879 2.876 2.874 2.873 2.872 2.870 2.870 2.867 2.865 2.862 2.859 2.856 2.856 2.853 2.849 2.845 2.843 2.841 2.837 2.833 2.829 2.824 2.820 2.818 2.812 2.809 2.805 2.797 2.790 2.788 2.778 2.767 2.764 2.749 2.740 2.725 2.713 2.709 2.692 2.692 2.673 2.670 2.646 2.632 2.621 2.610 2.593 2.581 2.542 2.537 2.487 2.482 2.428 2.422 2.364 2.357 2.295 2.288 2.228 2.214 2.175 2.155 2.148 2.134
GRADIENT	-0.123 -0.123 -0.123 -0.123 -0.147 -0.189 -0.226 -0.245 -0.263 -0.298 -0.330 -0.360 -0.386 -0.399 -0.413 -0.435 -0.454 -0.466 -0.473 -0.483 -0.492 -0.499 -0.602 -0.601 -0.600 -0.599 -0.614 -0.662 -0.786 -0.854 -0.910 -0.978 -1.034 -1.091 -1.158 -1.281 -1.338 -1.462 -1.529 -1.586 -1.653 -1.710 -1.769 -1.835 -1.960 -2.017 -2.086 -2.143 -2.212 -2.300 -2.013 -2.097 -2.192 -2.288 -2.383 -2.479 -2.574 -2.669 -2.765 -2.860 -2.946 -2.946 -2.772 -2.416 -2.305 -2.247
EXISTING GROUND LEVELS	2.905 2.898 2.892 2.894 2.895 2.896 2.897 2.898 2.898 2.899 2.880 2.861 2.832 2.791 2.732 2.666 2.594 2.510 2.421 2.327 2.227 2.121 2.002 1.903 1.918 1.943 1.970 1.998 2.003 2.018 2.033 2.077 2.102 2.100 2.077 2.056 2.040 2.024 2.008 2.000 1.999 1.997 1.997 1.998 1.999 2.000 2.002 2.003 2.004 2.003 1.998 1.992 1.987 1.981 1.976 1.972 1.977 1.982 1.987 1.993 2.000 2.007 2.015 2.023 2.032 2.036 2.045 2.058 2.058 2.056 2.055 2.079 2.114 2.149 2.153 2.216 2.288 2.318 2.319 2.321 2.323 2.324 2.314 2.311 2.299 2.283 2.262 2.243 2.241 2.200 2.158 2.115 2.098
LEVEL DIFF.	-0.022 -0.012 -0.016 -0.022 -0.005 0.041 0.119 0.224 0.227 0.357 0.506 0.671 0.858 0.946 0.942 0.901 0.851 0.832 0.820 0.800 0.735 0.749 0.778 0.801 0.819 0.819 0.815 0.813 0.808 0.798 0.790 0.787 0.775 0.775 0.761 0.761 0.756 0.753 0.746 0.739 0.737 0.713 0.712 0.685 0.681 0.645 0.623 0.605 0.589 0.562 0.543 0.485 0.480 0.374 0.359 0.176 0.152 0.042 0.036 -0.012 -0.015 -0.024 -0.018 0.003 0.018 0.023 0.036
CHAINAGE	1.850 4.350 6.850 8.385 9.350 10.183 10.995 11.016 11.849 12.682 13.515 14.348 15.078 15.181 16.015 16.848 17.681 18.029 18.514 19.347 20.180 21.013 21.847 22.578 22.863 23.906 24.347 24.950 25.996 26.846 27.043 28.091 28.096 29.139 29.346 30.596 31.238 32.289 33.096 33.339 34.345 34.389 35.439 35.595 36.845 37.539 38.095 38.587 39.345 39.878 41.845 42.088 44.345 44.588 46.845 47.088 49.345 49.588 51.845 52.088 54.104 54.588 55.991 56.845 57.143 57.758

PROPOSED ACCESS ROAD EAST CHANNEL LONG SECTION

HORIZONTAL SCALE 1:200 @ A1
VERTICAL SCALE EXAGGERATED X 5 @ A1

IDENTIFIED POTENTIAL SITE HAZARDS

Line	POTENTIAL HAZARD DESCRIPTION **Route of desktop services shown, exact route unknown	LOCATION	WORKS & AFFECTED
	SEE NATIONAL HAZARD DIRECTORY FOR SITE SPECIFIC HAZARDS	N/A	All
E	BURIED ELECTRICITY CABLES	1. Along Littleworth Drove (A1175) 2. Along eastern side of access road	1. Within extent of access road works 2. Within extent of access road works
W	BURIED WATER PIPES	In highway	Outside scope of works
OHL (E)	OVERHEAD ELECTRIC CABLES	Along Littleworth Drove (A1175)	Within extent of access road works
T	BURIED TELECOMS CABLES	1. Along eastern side of access road 2. To south of Littleworth Drove	1. Within extents of access road works 2. Not affected by works

Rev.	Date	Descriptions of Revision	Des.	Chkd.	Appr.
B02	10 10 14	DRN COMMENTS INCORPORATED ISSUED FOR DETAILED DESIGN	AS	AH	JDN
A02	25 09 14	ACCESS ROAD CENTRE LINE LONG SECTION AMENDED	AS	AH	PAV
A01	24 09 14	AIP ISSUE	AS	AH	-
B01	23 09 14	F003 ISSUE - DETAILED DESIGN.	MY	-	-

Network Rail
W H Smith Mews
off Thorpe Rd
Peterborough
PE3 6AL

TATA STEEL PROJECTS
Meridian House
The Crescent
York
YO24 1AW

Status: DETAILED DESIGN

Designed: MY | Checked: AH
Approved: PAV | Date: 23/09/14

GNGE ECML CAPACITY RELIEF - LITTLEWORTH

ACCESS ROAD
GA PLAN & LONG SECTION

ELR: WEB 87 MILES 61 CHAINS

Scales: AS SHOWN | CAD: AS
PW Workflow State: Issued

DO NOT SCALE

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