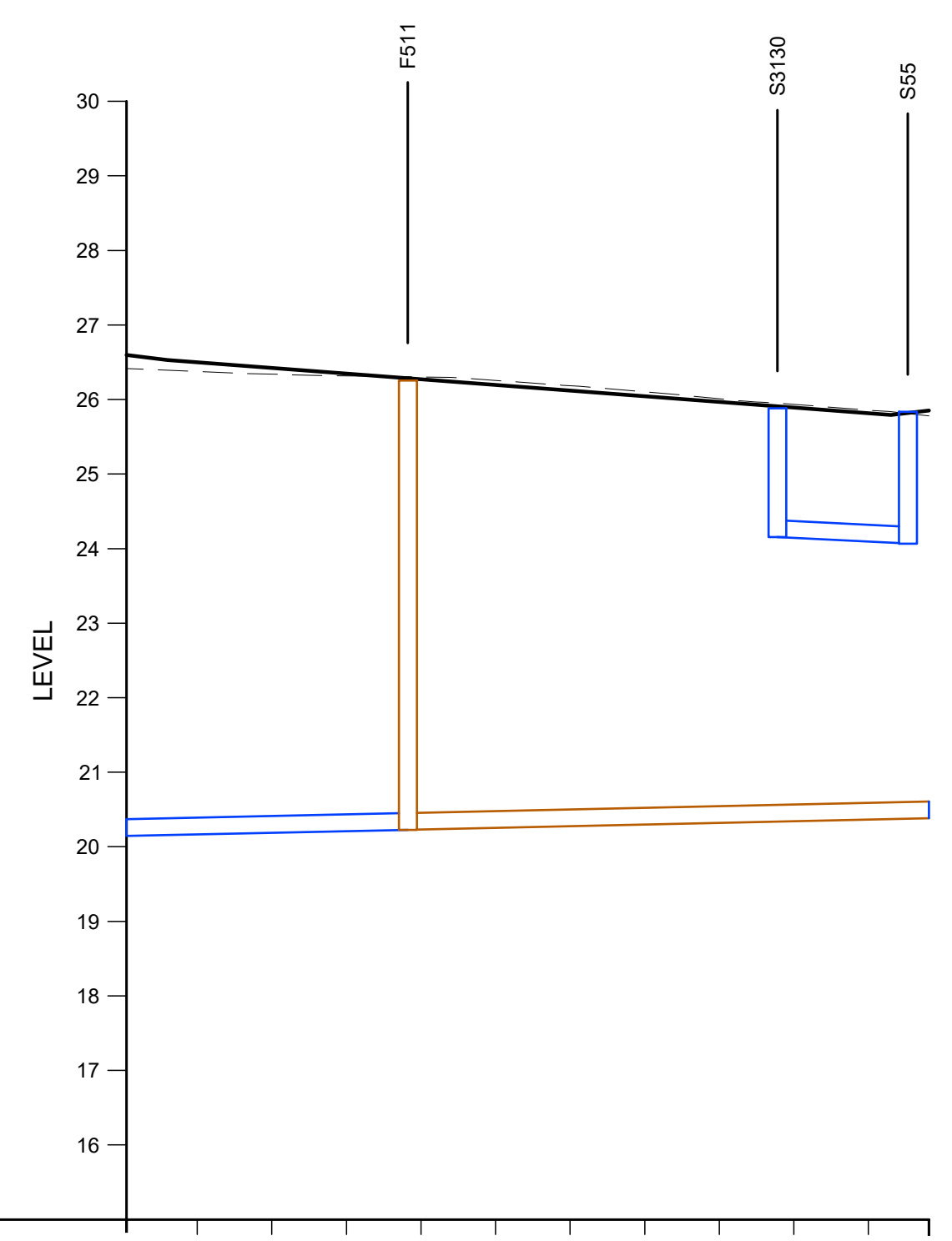
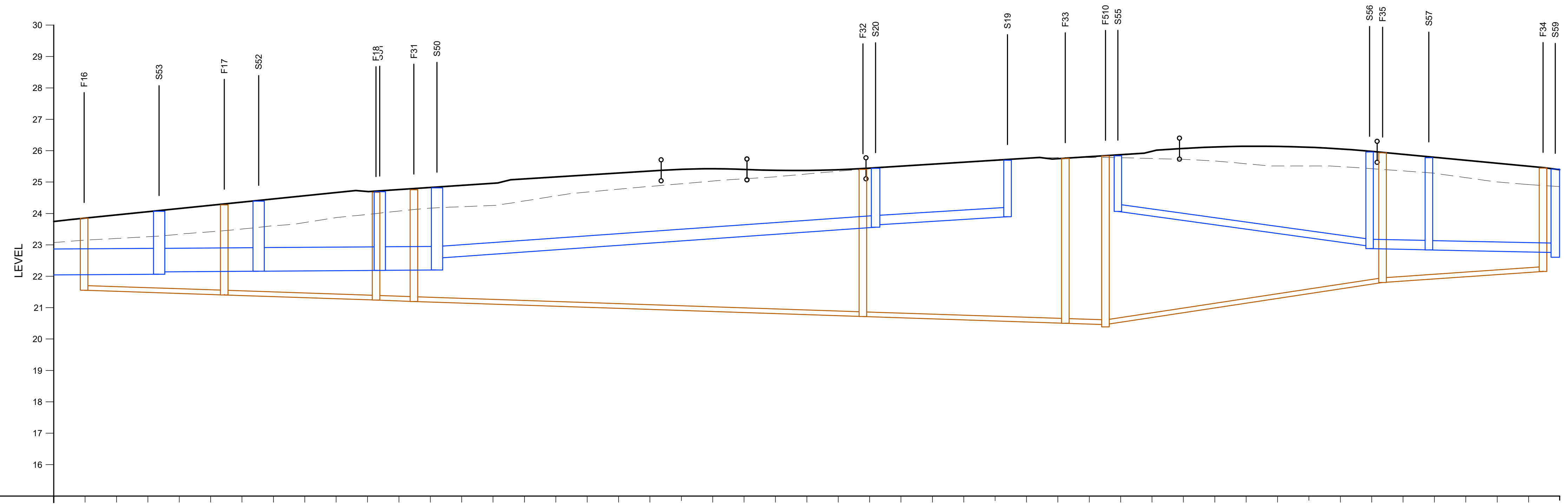


CHAINAGE	EXISTING LEVELS	PROPOSED LEVELS	LEVEL DIFFERENCE
-04.750	26.417	26.599	0.182
00.000	26.376	26.499	0.124
05.000	26.340	26.423	-0.084
10.000	26.317	26.347	-0.031
15.000	26.303	26.271	0.032
20.000	26.255	26.195	0.060
25.000	26.185	26.119	0.066
30.000	26.102	26.043	0.059
35.000	26.010	25.967	0.043
40.000	25.933	25.891	0.041
45.000	25.858	25.815	0.043
49.054	25.782	25.850	0.069

VERTICAL GEOMETRY	G =1:40 L =2.750 G =1:66 L =48.528 G =1:43 L =2.526
HORIZONTAL GEOMETRY	L =49.054 L =49.054
FOUL WATER COVER LEVEL	CL: 26.256
FOUL WATER INVERT LEVEL	IL: 20.142 IL: 20.228 IL: 20.228 IL: 20.385
FOUL WATER DETAILS	PIPE 1.017 DIA 225 @ 1:225 CIRC CLAY BEDDING CLASS S PIPE 1.016 DIA 225 @ 1:225 CIRC CLAY BEDDING CLASS S
FOUL WATER LENGTHS	19.438 35.433
STORM WATER COVER LEVEL	CL: 25.882 CL: 25.834
STORM WATER INVERT LEVEL	IL: 24.155 IL: 24.067
STORM WATER DETAILS	PIPE 12.000 DIA 225 @ 1:99 CIRC CLAY BEDDING CLASS S
STORM WATER LENGTHS	8.751

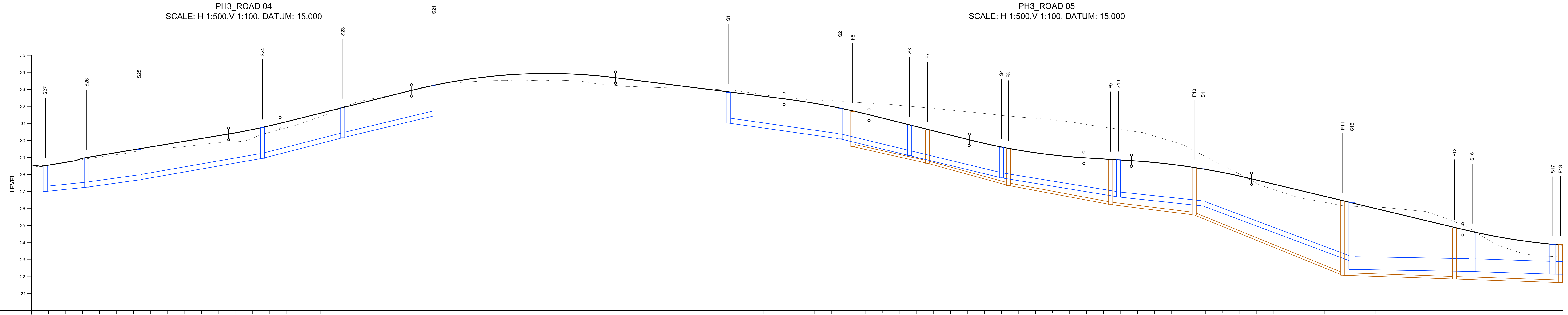
PH3_ROAD 04
SCALE: H 1:500,V 1:100. DATUM: 15.000



CHAINAGE	EXISTING LEVELS	PROPOSED LEVELS	LEVEL DIFFERENCE
00.000	23.075	23.745	0.670
05.000	23.150	23.851	0.701
10.000	23.204	23.953	0.749
15.000	23.258	24.055	0.797
20.000	23.339	24.157	0.818
25.000	23.416	24.259	0.843
30.000	23.505	24.361	0.857
35.000	23.610	24.463	0.853
40.000	23.711	24.565	0.854
45.000	23.870	24.667	0.798
50.000	23.970	24.697	-0.727
55.000	24.078	24.760	0.683
60.000	24.168	24.827	0.659
65.000	24.215	24.895	0.680
70.000	24.255	24.962	0.707
75.000	24.400	25.101	0.702
80.000	24.559	25.164	0.604
85.000	24.680	25.226	0.546
90.000	24.773	25.289	0.516
95.000	24.861	25.351	0.490
100.000	24.947	25.406	-0.459
105.000	25.033	25.424	0.391
110.000	25.105	25.404	0.299
115.000	25.168	25.373	0.205
120.000	25.259	25.369	0.111
125.000	25.346	25.393	0.048
130.000	25.421	25.445	0.024
135.000	25.504	25.508	0.004
140.000	25.583	25.570	-0.013
145.000	25.640	25.633	-0.007
150.000	25.702	25.696	0.006
155.000	25.753	25.758	0.005
160.000	25.782	25.746	-0.035
165.000	25.781	25.809	0.027
170.000	25.777	25.871	0.094
175.000	25.749	25.981	0.232
180.000	25.723	26.071	0.348
185.000	25.671	26.118	0.448
190.000	25.584	26.140	0.556
195.000	25.512	26.137	0.626
200.000	25.514	26.109	-0.596
205.000	25.492	26.056	0.564
210.000	25.428	25.978	0.550
215.000	25.356	25.884	0.528
220.000	25.281	25.789	0.508
225.000	25.141	25.694	0.553
230.000	25.005	25.599	0.594
235.000	24.920	25.505	0.584
239.957	24.857	25.396	0.539

VERTICAL GEOMETRY	G =1:46 L =2.793 G =1:49 L =45.344 G =1:55 L =2.001 G =1:74 L =20.625 G =1:20 L =2.016 G =1:80 L =24.001 R =650.000 K =6.500 L =13.684 R =900.000 K =9.000 L =18.971 G =1:80 L =27.654 G =1:41 L =2.007 G =1:80 L =14.647 G =1:20 L =2.000 G =1:80 L =3.631 R =1000.000 K =10.000 L =31.497 G =1:53 L =26.585 G =1:40 L =2.500
HORIZONTAL GEOMETRY	L =19.620 R: 46.500 L: 16.312 L =10.191 L =2.016 L =2.663 R: 8.500 L: 13.075 L =6.888 L =2.016 L =53.997 R: 41.500 L: 12.075 L =14.340 R: 18.000 L: 20.290 L =32.501 R: 20.500 L: 14.272 L =19.703
FOUL WATER COVER LEVEL	CL: 23.849 CL: 24.274 CL: 24.676 CL: 24.756 CL: 25.403 CL: 25.755 CL: 25.832 CL: 25.931 CL: 25.446
FOUL WATER INVERT LEVEL	IL: 21.555 IL: 21.405 IL: 21.405 IL: 21.242 IL: 21.242 IL: 21.196 IL: 21.196 IL: 20.716 IL: 20.716 IL: 20.502 IL: 20.502 IL: 20.460 IL: 20.460 IL: 21.800 IL: 21.800 IL: 22.154
FOUL WATER DETAILS	PIPE 1.010 DIA 150 @ 1:150 CIRC CLAY BEDDING CLASS S PIPE 1.011 DIA 150 @ 1:150 CIRC CLAY BEDDING CLASS S PIPE 1.012 DIA 150 @ 1:150 CIRC CLAY BEDDING CLASS S PIPE 1.013 DIA 150 @ 1:150 CIRC CLAY BEDDING CLASS S PIPE 1.014 DIA 150 @ 1:150 CIRC CLAY BEDDING CLASS S PIPE 1.015 DIA 150 @ 1:150 CIRC CLAY BEDDING CLASS S PIPE 7.001 DIA 150 @ 1:33 CIRC CLAY BEDDING CLASS S PIPE 7.000 DIA 150 @ 1:71 CIRC CLAY BEDDING CLASS S
FOUL WATER LENGTHS	22.507 24.462 6.894 71.986 32.128 6.264 43.688 25.118
STORM WATER COVER LEVEL	CL: 24.071 CL: 24.394 CL: 24.693 CL: 24.815 CL: 25.436 CL: 25.696 CL: 25.834 CL: 25.958 CL: 25.778 CL: 25.416
STORM WATER INVERT LEVEL	IL: 22.041 IL: 22.064 IL: 22.139 IL: 22.161 IL: 22.161 IL: 22.188 IL: 22.188 IL: 22.200 IL: 22.575 IL: 23.561 IL: 23.636 IL: 23.896 IL: 24.067 IL: 22.956 IL: 22.881 IL: 22.839 IL: 22.839 IL: 22.754
STORM WATER DETAILS	PIPE 4.005 DIA 825 @ 1:812 CIRC CONC BEDDING CLASS S PIPE 4.004 DIA 750 @ 1:714 CIRC CONC BEDDING CLASS S PIPE 4.003 DIA 750 @ 1:714 CIRC CONC BEDDING CLASS S PIPE 4.002 DIA 750 @ 1:714 CIRC CONC BEDDING CLASS S PIPE 4.001 DIA 375 @ 1:71 CIRC CONC BEDDING CLASS S PIPE 4.000 DIA 300 @ 1:80 CIRC CLAY BEDDING CLASS S PIPE 12.001 DIA 225 @ 1:36 CIRC CLAY BEDDING CLASS S PIPE 12.002 DIA 300 @ 1:238 CIRC CLAY BEDDING CLASS S PIPE 12.003 DIA 300 @ 1:238 CIRC CLAY BEDDING CLASS S
STORM WATER LENGTHS	18.672 15.563 19.078 8.886 70.077 20.830 40.534 9.881 20.229

PH3_ROAD 05
SCALE: H 1:500,V 1:100. DATUM: 15.000



CHAINAGE	EXISTING LEVELS	PROPOSED LEVELS	LEVEL DIFFERENCE
00.000	28.421	28.562	0.141
05.000	28.572	28.549	-0.023
10.000	28.726	28.715	-0.012
15.000	28.886	28.957	0.071
20.000	29.036	29.123	0.086
25.000	29.168	29.288	0.120
30.000	29.339	29.454	0.115
35.000	29.465	29.620	0.156
40.000	29.564	29.786	0.222
45.000	29.643	29.952	0.309
50.000	29.764	30.118	-0.354
55.000	29.869	30.284	0.415
60.000	29.928	30.452	0.525
65.000	30.139	30.643	0.504
70.000	30.480	30.863	0.382
75.000	30.748	31.107	0.360
80.000	31.053	31.357	0.304
85.000	31.408	31.607	0.199
90.000	31.833	31.857	0.024
95.000	32.206	32.107	-0.099
100.000	32.444	32.357	0.088
105.000	32.630	32.607	-0.023
110.000	32.836	32.857	0.021
115.000	33.122	33.099	-0.023
120.000	33.295	33.312	0.018
125.000	33.388	33.494	0.106
130.000	33.463	33.645	0.182
135.000	33.511	33.764	0.253
140.000	33.523	33.852	0.329
145.000	33.539	33.909	0.370
150.000	33.508	33.935	-0.426
155.000	33.536	33.929	0.393
160.000	33.499	33.892	0.393
165.000	33.366	33.824	0.457
170.000	33.258	33.724	0.466
175.000	33.171	33.601	0.430
180.000	33.140	33.476	0.336
185.000	33.106	33.351	0.244
190.000	33.090	33.226	0.135
195.000	33.073	33.101	0.028
200.000	33.018	32.975	0.043
205.000	32.957	32.850	-0.106
210.000	32.838	32.725	-0.113
215.000	32.693	32.600	-0.093
220.000	32.550	32.475	-0.075
225.000	32.451	32.342	-0.109
230.000	32.348	32.186	-0.163
235.000	32.367	32.004	-0.364
240.000	32.274	31.797	-0.477
245.000	32.205	31.565	-0.640
250.000	32.146	31.316	0.830
255.000	32.067	31.066	-1.001
260.000	31.971	30.816	-1.155
265.000	31.890	30.566	-1.324
270.000	31.783	30.316	-1.467
275.000	31.686	30.066	-1.620
280.000	31.588	29.827	-1.761
285.000	31.474	29.616	-1.858
290.000	31.383	29.433	-1.950
295.000	31.300	29.277	-2.023
300.000	31.209	29.149	-2.059
305.000	31.101	29.049	-2.052
310.000	30.941	28.977	-1.965
315.000	30.787	28.914	-1.873
320.000	30.647	28.851	-1.795
325.000	30.506	28.787	-1.719
330.000	30.252	28.703	-1.550
335.000	29.954	28.593	-1.360
340.000	29.573	28.459	-1.114
345.000	29.045	28.300	-0.745
350.000	28.548	28.116	0.432
355.000	28.014	27.906	-0.107
360.000	27.478	27.673	0.195
365.000	27.116	27.434	0.318
370.000	26.792	27.195	0.403
375.000	26.544	26.955	0.411
380.000	26.364	26.716	0.352
385.000	26.173	26.477	0.303
390.000	26.117	26.237	0.120
395.000	26.078	25.998	-0.080
400.000	26.014	25.759	0.255
405.000	25.915	25.519	-0.396
410.000	25.809	25.280	-0.529
415.000	25.460	25.041	-0.419
420.000	25.070	24.801	-0.269
425.000	24.531	24.573	0.042
430.000	23.925	24.372	0.447
435.000	23.570	24.199	0.629
440.000	23.298	24.054	0.756
445.000	23.202	23.936	0.734
450.000	23.156	23.846	0.691

VERTICAL GEOMETRY	G =1:33 L =2.817 G =1:30 L =10.149 G =1:14 L =2.002 G =1:30 L =42.967 R =900.000 K =9.000 L =15.120 G =1:20 L =38.551 R =800.000 K =8.000 L =60.004 G =1:40 L =49.536 R =1000.000 K =10.000 L =24.957 G =1:20 L =29.427 R =900.000 K =9.000 L =33.698 G =1:80 L =13.960 R =1000.000 K =10.000 L =35.328 G =1:21 L =62.053 R =900.000 K =9.000 L =54.293
HORIZONTAL GEOMETRY	L =2.943 R: 9.000 L: 7.951 R: 25.500 L: 26.595 L =23.515 R: 37.500 L: 7.922 L =8.611 R: 38.500 L: 35.586 L =19.349 R: 8.500 L: 13.642 L =12.443 R: 27.500 L: 11.136 L =22.862 R: 27.500 L: 12.740 L =23.457 R: 32.500 L: 19.995 L =24.919 R: 41.500 L: 18.783 L =13.748 R: 63.500 L: 8.621 L =14.182 R: 117.500 L: 24.176 L =62.225 R: 15.500 L: 13.714 L =15.964 R: 16.500 L: 17.374
FOUL WATER COVER LEVEL	CL: 31.709 CL: 30.620 CL: 29.509 CL: 28.860 CL: 28.381 CL: 26.441 CL: 24.866 CL: 23.888
FOUL WATER INVERT LEVEL	IL: 29.642 IL: 28.658 IL: 28.658 IL: 27.353 IL: 27.353 IL: 26.230 IL: 26.230 IL: 25.625 IL: 25.625 IL: 22.079 IL: 22.079 IL: 21.859 IL: 21.859 IL: 21.651 IL: 21.651
FOUL WATER DETAILS	PIPE 2.000 DIA 150 @ 1:23 CIRC CLAY BEDDING CLASS S PIPE 2.001 DIA 150 @ 1:18 CIRC CLAY BEDDING CLASS S PIPE 2.002 DIA 150 @ 1:27 CIRC CLAY BEDDING CLASS S PIPE 1.005 DIA 150 @ 1:41 CIRC CLAY BEDDING CLASS S PIPE 1.006 DIA 150 @ 1:12 CIRC CLAY BEDDING CLASS S PIPE 1.007 DIA 150 @ 1:150 CIRC CLAY BEDDING CLASS S PIPE 1.008 DIA 150 @ 1:150 CIRC CLAY BEDDING CLASS S
FOUL WATER LENGTHS	22.149 24.068 30.284 24.635 43.755 32.984 31.272
STORM WATER COVER LEVEL	CL: 28.502 CL: 28.972 CL: 29.480 CL: 30.751 CL: 31.961 CL: 33.246 CL: 32.828 CL: 31.892 CL: 30.908 CL: 29.603 CL: 28.867 CL: 28.338 CL: 26.365 CL: 24.625 CL: 23.879
STORM WATER INVERT LEVEL	IL: 27.000 IL: 27.254 IL: 27.254 IL: 27.680 IL: 27.680 IL: 28.951 IL: 28.951 IL: 30.161 IL: 30.161 IL: 31.446 IL: 31.027 IL: 30.092 IL: 30.092 IL: 29.108 IL: 29.108 IL: 27.803 IL: 27.803 IL: 26.668 IL: 26.678 IL: 26.150 IL: 26.150 IL: 22.875 IL: 22.425 IL: 22.300 IL: 22.300 IL: 22.142 IL: 22.142 IL: 22.129
STORM WATER DETAILS	PIPE 5.004 DIA 300 @ 1:49 CIRC CLAY BEDDING CLASS S PIPE 5.003 DIA 300 @ 1:37 CIRC CLAY BEDDING CLASS S PIPE 5.002 DIA 300 @ 1:29 CIRC CLAY BEDDING CLASS S PIPE 5.001 DIA 300 @ 1:20 CIRC CLAY BEDDING CLASS S PIPE 5.000 DIA 300 @ 1:21 CIRC CLAY BEDDING CLASS S PIPE 1.000 DIA 300 @ 1:35 CIRC CLAY BEDDING CLASS S PIPE 1.001 DIA 300 @ 1:21 CIRC CLAY BEDDING CLASS S PIPE 1.002 DIA 300 @ 1:20 CIRC CLAY BEDDING CLASS S PIPE 1.003 DIA 300 @ 1:30 CIRC CLAY BEDDING CLASS S PIPE 1.004 DIA 300 @ 1:47 CIRC CLAY BEDDING CLASS S PIPE 1.005 DIA 300 @ 1:13 CIRC CLAY BEDDING CLASS S PIPE 1.006 DIA 750 @ 1:283 CIRC CONC BEDDING CLASS S PIPE 1.007 DIA 750 @ 1:151 CIRC CONC RC SLAB PROTECTION PIPE 1.008 DIA 750 @ 1:714 CIRC CONC RC SLAB PROTECTION
STORM WATER LENGTHS	12.453 15.793 36.328 23.719 26.791 32.865 20.365 26.706 34.147 24.779 43.693 35.413 23.804 9.623

PH3_ROAD 06 (START - CH 450m)
SCALE: H 1:500,V 1:100. DATUM: 20.000

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH CODE FOR ADOPTION, SPECIFICATIONS FOR HIGHWAY WORKS, AND ALL OTHER RELATED DRAWINGS ISSUED.
2. IF THERE IS ANY AMBIGUITY BETWEEN THE DRAWINGS, THE CONTRACTOR SHALL IMMEDIATELY INFORM THE ENGINEER.
3. DO NOT SCALE FROM THIS DRAWING UNLESS FOR PLANNING PURPOSES. WORK FROM FIGURED DIMENSIONS ONLY.
4. ALL DIMENSIONS SHOWN ON THIS DRAWING ARE IN METRES.
5. ALL DIMENSIONS, LEVELS AND SURVEY GRID CO-ORDINATES ARE TO BE CHECKED ON SITE AND THE ENGINEER NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF THE WORKS.
6. NO DEVIATION FROM THE DETAILS SHOWN ON THIS DRAWING IS PERMITTED WITHOUT PERMISSION FROM THE ENGINEER.
7. FOR PROPOSED LEVELS, CONTOURS AND DRAINAGE REFER TO ODYSSEY DRAWINGS 22-190/300 TO 22-190/303.

LEGEND

- - - -	EXISTING GROUND PROFILE
──	PROPOSED GROUND PROFILE
──	ADOPTABLE S104 FOUL WATER SEWER AND MANHOLE
──	ADOPTABLE S104 SURFACE WATER SEWER AND MANHOLE
──	SURFACE WATER SEWER AND MANHOLE DESIGNED BY PFA
CIRC CLAY	EXTRA STRENGTH VITRIFIED CLAY WITH SPIGOT AND SOCKET FLEXIBLE JOINTS TO BS EN 295.
CIRC CONC	FLEXIBLE JOINTED CONCRETE PIPES TO BS EN 1916:2002/BS 5911_1:2002 CLASS 120

SUBJECT TO
TECHNICAL APPROVAL

Rev	Amendments	Drn	Chk	App	Date
A	UPDATED AS PER CLIENT COMMENTS	AM	SOM	LH	28.03.25

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W: www.odysseyconsult.co.uk

Job Title
BOORLEY GARDENS
PHASE 3

Drawing Title
LONGSECTIONS
SHEET 2

Client
Bellway

Scale AS SHOWN @A0	Date DEC 24	Designed SOM
Drawn TB	Checked RM	Approved LH
Job No 22-190	Drawing No 22-190/314	Rev A

P:\22-190 - Boorley Gardens\Tech\Acad\Drawings\300 Series - Phase 3\22-190-314 Longsections Sheet 2.dwg