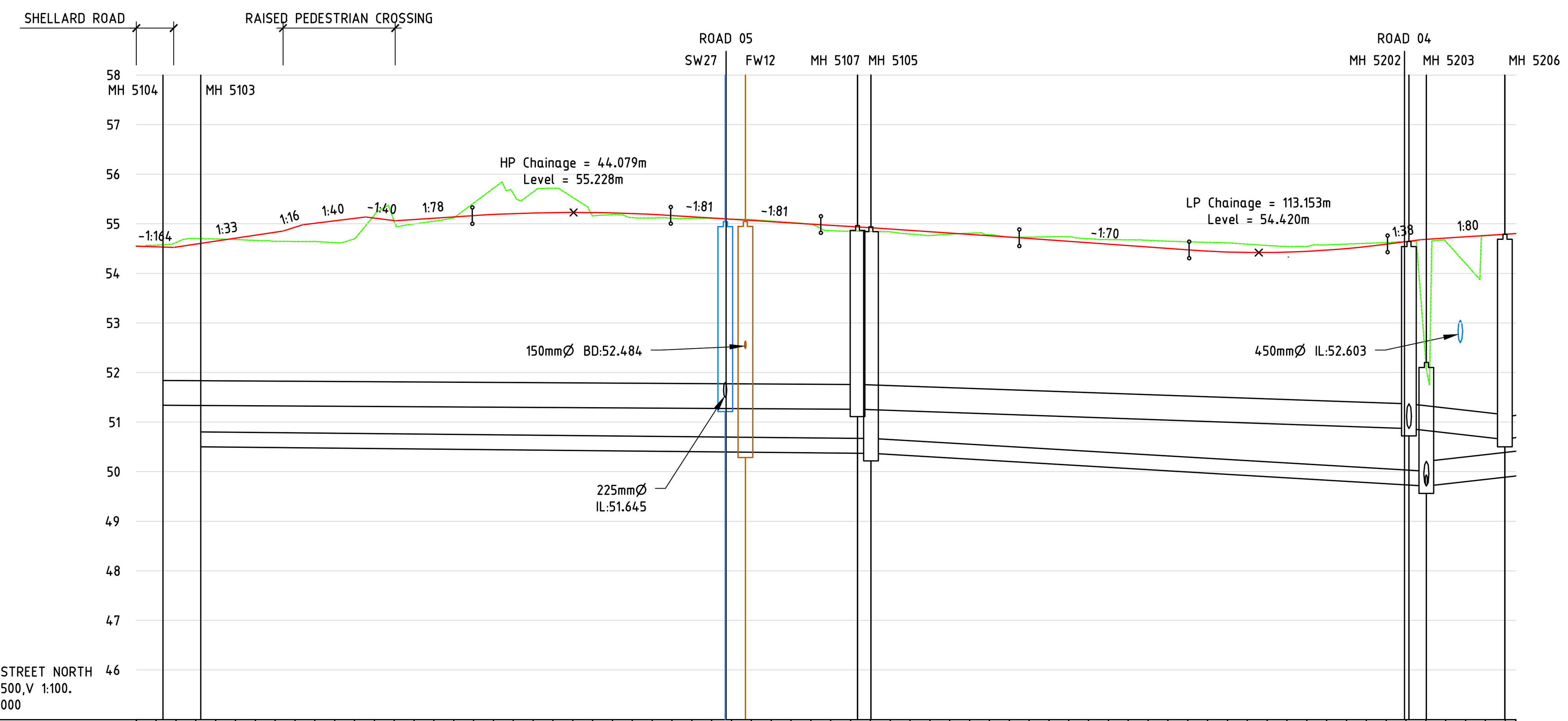
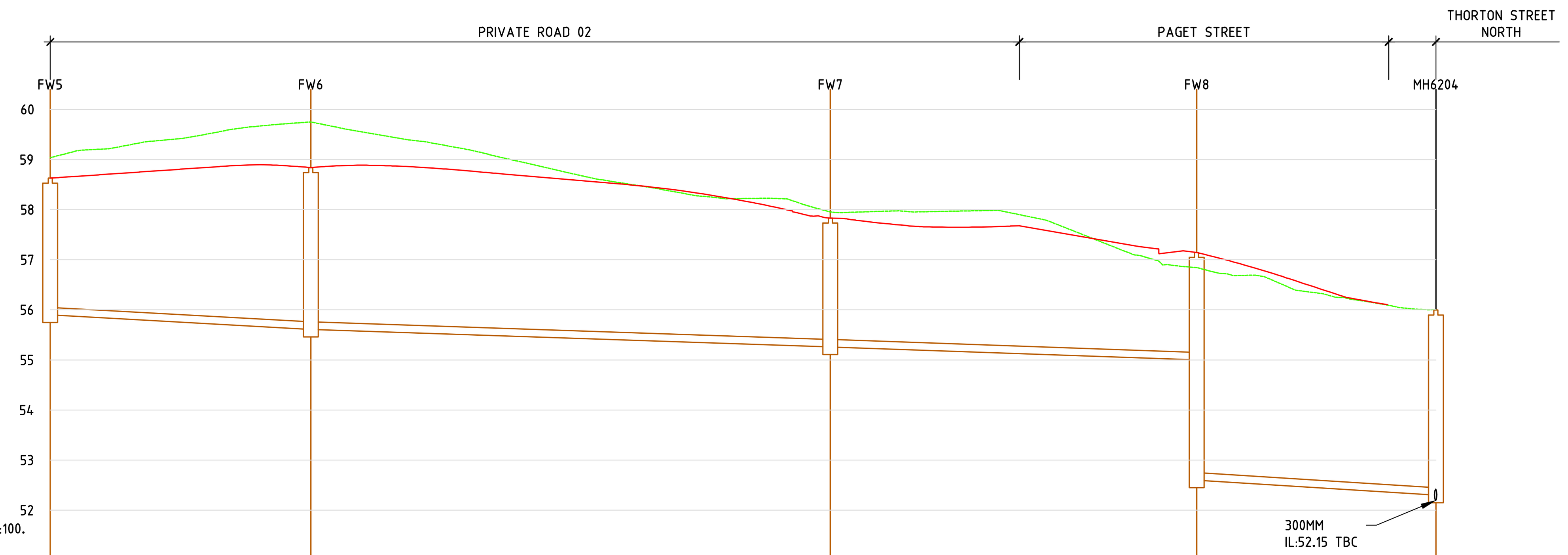


THORNTON STREET NORTH
SCALE: H 1:500,V 1:100.
DATUM: 45.000

CHAINAGE	EXISTING LEVELS	PROPOSED LEVELS	SURFACE WATER COVER LEVELS	SURFACE WATER INVERT LEVELS	FOUL WATER COVER LEVELS	FOUL WATER INVERT LEVELS
0.000	54.546	54.547				
2.000	54.569	54.535				
4.000	54.622	54.531				
6.000	54.703	54.591				
8.000	54.694	54.651				
10.000	54.684	54.711				
12.000	54.663	54.771				
14.000	54.647	54.831				
16.000	54.643	54.930				
18.000	54.644	55.010				
20.000	54.619	55.060				
22.000	54.697	55.110				
24.000	55.178	55.116				
26.000	55.051	55.065				
28.000	54.996	55.087				
30.000	55.051	55.113				
32.000	55.119	55.139				
34.000	55.417	55.164				
36.000	55.716	55.187				
38.000	55.610	55.205				
40.000	55.641	55.218				
42.000	55.716	55.225				
44.000	55.532	55.228				
46.000	55.159	55.226				
48.000	55.185	55.218				
50.000	55.126	55.206				
52.000	55.115	55.189				
54.000	55.111	55.166				
56.000	55.111	55.142				
58.000	55.110	55.117	55.043	51.645 / 51.645		
60.000	55.092	55.092			55.045	
62.000	55.084	55.068				
64.000	55.053	55.043				
66.000	55.025	55.019				
68.000	54.993	54.994				
70.000	54.861	54.970				
72.000	54.854	54.945				
74.000	54.847	54.919				
76.000	54.836	54.893				
78.000	54.792	54.867				
80.000	54.763	54.841				
82.000	54.789	54.814				
84.000	54.809	54.786				
86.000	54.781	54.758				
88.000	54.730	54.730				
90.000	54.731	54.701				
92.000	54.736	54.673				
94.000	54.738	54.644				
96.000	54.698	54.615				
98.000	54.682	54.587				
100.000	54.676	54.558				
102.000	54.666	54.529				
104.000	54.648	54.501				
106.000	54.637	54.472				
108.000	54.625	54.447				
110.000	54.615	54.430				
112.000	54.589	54.421				
114.000	54.563	54.421				
116.000	54.542	54.428				
118.000	54.540	54.444				
120.000	54.575	54.468				
122.000	54.590	54.500				
124.000	54.606	54.540				
126.000	54.621	54.588				
128.000	54.636	54.641				
130.000	52.183	54.687				
132.000	54.644	54.712				
134.000	54.198	54.738				
136.000	54.760	54.763				
139.060	54.801	54.801				

HORIZONTAL GEOMETRY: L =16.740; L =3.309; L =7.272; L =6.333; L =4.983; L =11.298; L =1.169; R: 19.105 L: 1.837; L =6.725; R: 17.975 L: 0.834; L =6.698; L =8.711; L =8.713; L =13.488; L =13.427; L =1.013; R: 25.360 L: 3.939; L =18.302; L =4.270

VERTICAL GEOMETRY: G =-0.610% L =3.772; G =3.002% L =11.018; G =6.241% L =2.001; G =2.500% L =6.328; G =-2.525% L =2.979; G =1.286% L =7.762; R =794.497 K =7.945 L =20.000; G =-1.231% L =5.607; G =-1.228% L =9.528; R =9718.628 K =97.186 L =20.000; G =-1.433% L =17.135; R =489.937 K =4.899 L =20.000; G =2.649% L =3.380; G =1.251% L =9.549



FW5 TO MH6204
SCALE: H 1:500,V 1:100.
DATUM: 55.000

CHAINAGE	EXISTING LEVELS	PROPOSED LEVELS	FOUL WATER COVER LEVELS	FOUL WATER INVERT LEVELS
0.000	59.040	59.040	58.629	55.900
5.000	59.208	59.208		
10.000	59.364	59.364		
15.000	59.486	59.486		
20.000	59.652	59.652		
25.000	59.737	59.737	58.839	55.610 / 55.610
30.000	59.590	59.590		
35.000	59.419	59.419		
40.000	59.263	59.263		
45.000	59.045	59.045		
50.000	58.819	58.819		
55.000	58.599	58.599		
60.000	58.442	58.442		
65.000	58.270	58.270		
70.000	58.225	58.225		
75.000	58.120	58.120	57.832	55.260 / 55.260
80.000	57.948	57.948		
85.000	57.974	57.974		
90.000	57.969	57.969		
95.000	57.974	57.974		
100.000	57.750	57.750		
105.000	57.354	57.354		
110.000	57.017	57.017		
115.000	56.818	56.818	57.146	55.000 / 52.600
120.000	56.692	56.692		
125.000	56.377	56.377		
130.000	56.209	56.209		
135.000	56.041	56.041		
138.393			55.998	52.300

	FW5–FW6	FW6–FW7	FW7–FW8	FW8–MH6204
FOUL WATER PIPE DETAILS	Size:150mm Type:Clay Len:26.026m Grad:1:89.74 PN:1.000	Size:150mm Type:Clay Len:51.888m Grad:1:148.25 PN:1.001	Size:150mm Type:Clay Len:36.580m Grad:1:140.69 PN:1.002	Size:150mm Type:Clay Len:23.905m Grad:1:79.68 PN:1.003
FOUL WATER BED AND SURROUND	Granular class S	Granular class S	Granular class S	Granular class S

NOTES:

1. ALL SEWERS ARE DESIGNED IN ACCORDANCE WITH SEWER SECTOR GUIDANCE V.0.2 AND UNITED UTILITIES GUIDELINES AND STANDARD DETAILS.
2. ALL CO-ORDINATES AND LEVELS SHOWN ARE RELATIVE TO THE TOPOGRAPHIC SURVEY.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THE LINE AND LOCATION OF ANY EXISTING SEWERS, AS WELL AS ANY EXISTING GROUND AND INVERT LEVELS SHOWN ON THE DRAWING ARE CORRECT PRIOR TO THE COMMENCEMENT OF ANY WORKS. ANY DISCREPANCIES MUST BE MUST BE REPORTED IMMEDIATELY.
4. PRIOR TO THE COMMENCEMENT OF ANY ON SITE WORKS THE CONTRACTOR MUST CONTACT THE STATUTORY UNDERTAKER AND BE IN POSSESSION OF THE LATEST DRAWINGS SHOWING THEIR APPARATUS.
5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ALLOW FOR THE SUPERVISION OF THE CONSTRUCTION WORKS BY UNITED UTILITIES AND/ OR THE HIGHWAYS AUTHORITY. THE CONTRACTOR WILL NOTIFY THE SUPERVISING OFFICER GIVING NOTICE WHICH WILL BE IN ACCORDANCE WITH THE AUTHORITIES REQUIREMENTS.
6. THE PROPOSED SEWERS WILL BE CLAY PIPE WORK AND SHALL BE EXTRA STRENGTH TO BS EN 295:1991 PART 1.
7. ANY PRE CAST CONCRETE PIPE WORK WILL BE IN ACCORDANCE WITH BS EN 1916:2002.
8. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THE CORRECT BEDDING, SURROUND AND BACKFILLING PROCEDURES ARE FOLLOWED FOR PVC PIPES. FOR DETAILS OF EMBEDMENT AND SURROUND FOR FLEXIBLE PIPES REFER TO UNITED UTILITIES STANDARD DETAIL STND/05/001
9. ALL MANHOLES AND CHAMBERS SHALL BE IN ACCORDANCE WITH BS EN 1917:2002
10. SEWERS WITH COVER TO SOFFIT GREATER THAN 1.2m IN ROADS AND 0.9m IN FIELDS SHALL HAVE BED AND SURROUND AS FOLLOWS: RIGID PIPE EMBEDMENT SHALL BE CLASS S. SEMI RIGID PIPE EMBEDMENT SHALL BE CLASS S ALL IN ACCORDANCE WITH UNITED UTILITIES STANDARD DETAIL STND/05/001.
11. ANY SEWER FOR ADOPTION WITH A COVER OF LESS THAN 1.2M TO PIPE SOFFIT IN ROADS OR 0.9m TO PIPE SOFFIT IN FIELDS WILL HAVE A MINIMUM 150mm GEN 3 CONCRETE BED AND SURROUND WITH FLEXIBILITY MAINTAINED WITH FLEXCELL EXPANSION JOINT FILLER OR SIMILAR APPROVED AT EACH PIPE JOINT.
12. PRIVATE DRAINAGE CONNECTIONS TO THE SEWER WILL BE 150MM DIAMETER AND LAID TO THE SPECIFIED INVERT.
13. THE INVERT LEVELS SPECIFIED AT THE DRAG OUT CHAMBER ARE INCOMING LEVELS.
14. WHEREVER POSSIBLE PRIVATE DRAINAGE RUNS WILL REMAIN WITHIN THE CURTILAGE OF THE DWELLING FOR WHICH THEY SERVE.
15. THE CONNECTION TO THE ADOPTABLE SEWER SHALL BE MANUFACTURED JUNCTION PIPES A SADDLE CONNECTION IS NOT PERMITTED UNLESS IT IS CLEARLY SPECIFIED.
16. CONNECTIONS TO THE EXISTING SEWER WILL BE IN ACCORDANCE WITH SECTION 104 APPROVAL GRANTED BY UNITED UTILITIES.
17. CONNECTIONS TO THE EXISTING WATERCOURSE WILL BE IN ACCORDANCE WITH APPROVAL GRANTED BY THE EA.
18. WHILE THIS DRAWING IS ISSUED FOR CONSTRUCTION, WORKS ARE STILL AT THE DEVELOPERS RISK UNTIL THE SECTION 104 AND SECTION 38 APPROVALS HAVE BEEN CONFIRMED.

Rev	Date	Description	By	Chk
C02	31.10.23	Added Thornton Street North longsection	H.S.	R.A
C01	30.06.23	Issued for CONSTRUCTION	A.R.	R.A

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DO NOT SCALE DRAWINGS. IF IN DOUBT, ASK!

Project Name
COLLYHURST VILLAGE

Client
DEX CONSTRUCTION

Designed	Drawn	Checked	Scale @ A1
A.R.	A.R.	M.A.	1:500

Drawing Title
LONGITUDINAL SECTIONS SHEET 3

Project No.
221625

ISSUED FOR CONSTRUCTION

Drawing No.
221625-EDGE-XX-XX-DR-C-2117

Revision
C02

FILENAME:
PLOT DATE:
0 mm 10 20 30 40 50