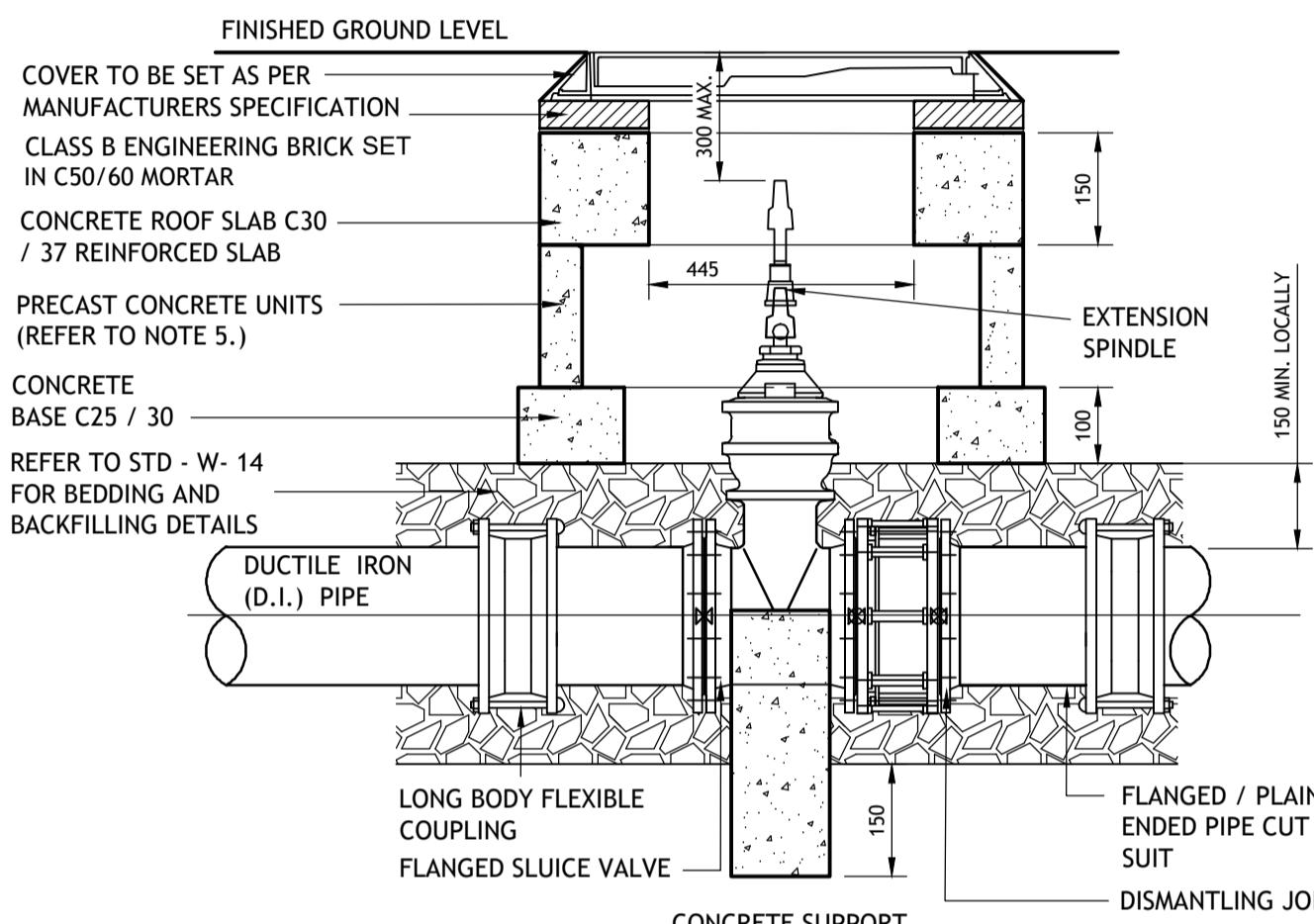


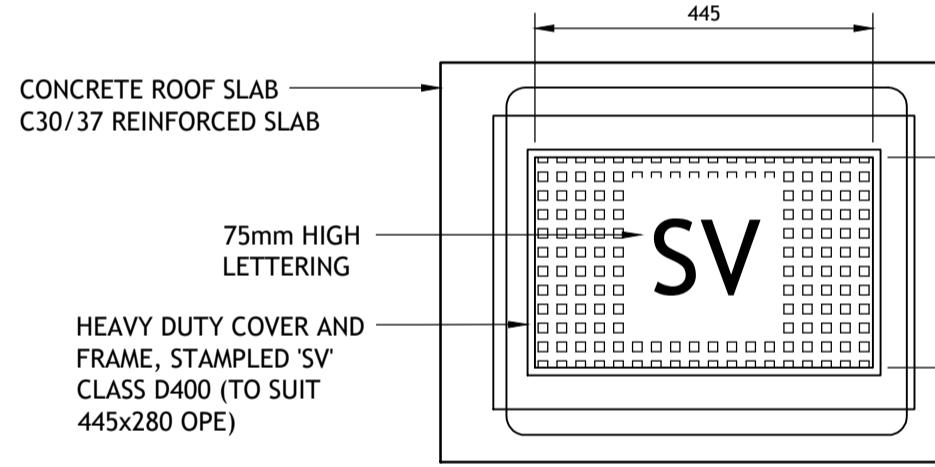
PLINTH DETAIL IN GRASS AREAS

NOTES

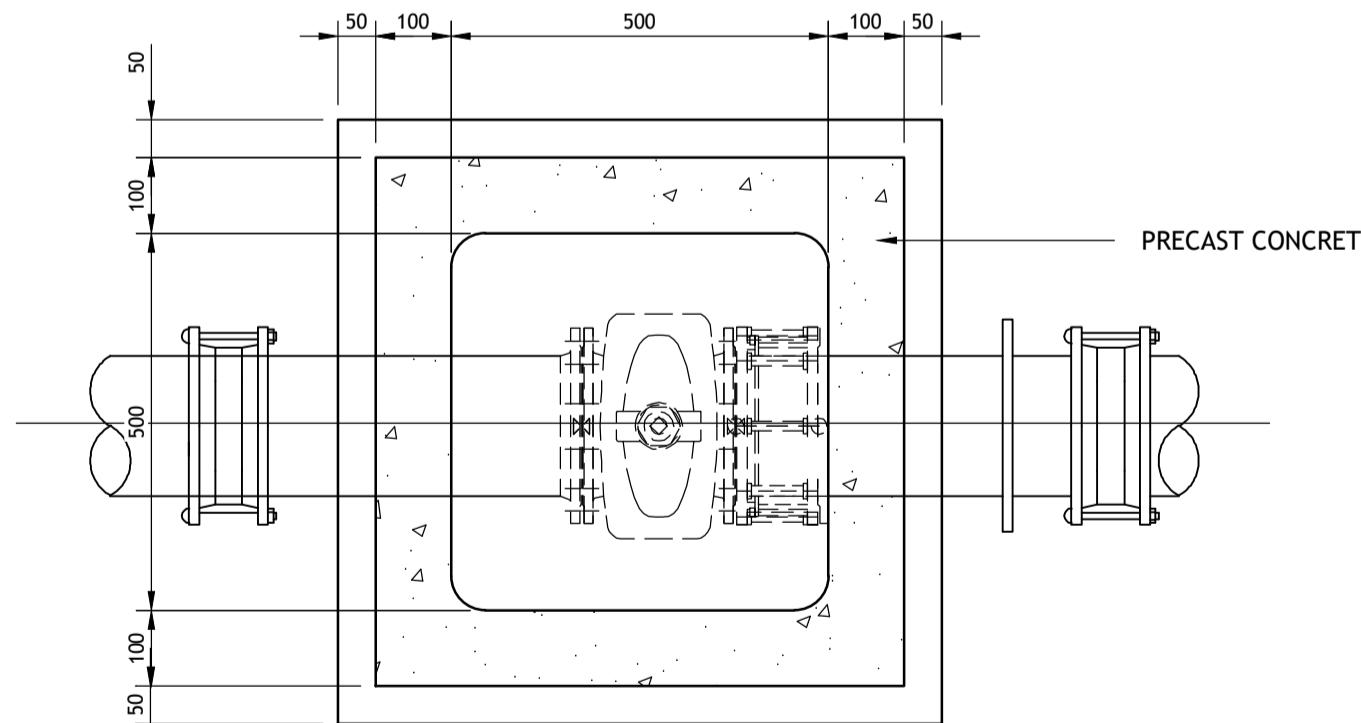
1. ALL DIMENSIONS IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. HYDRANT CHAMBERS SHALL BE COVERED WITH APPROVED HEAVY DUTY METAL COVERS TO IS 261 AND BS 5834 COVER AND FRAME SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS AND IS SUBJECT TO THE APPROVAL OF IRISH WATER.
3. HYDRANTS SHALL BE DOUBLE FLANGED DRILLED TO PN 16. THEY SHALL COMPLY WITH BS 750: 2012. THE HYDRANT SHALL INCORPORATE A SCREW DOWN GATE VALVE, UNDERGROUND "GUIDE TO HEAD" TYPE WITH SCREW DOWN CONNECTION OUTLET AND FALSE SPINDLE CAP AND IRON CHAIN.
4. ALL HYDRANTS SHALL BE CLOCKWISE CLOSING.
5. HYDRANT CHAMBER TO BE CONSTRUCTED OF PRECAST CONCRETE UNITS OR HIGH DENSITY BLOCKWORK. ALTERNATIVELY PROPRIETARY PREFABRICATED CHAMBER UNITS MAY ALSO BE USED, SUBJECT TO APPROVAL FROM IRISH WATER.
6. CONCRETE CHAMBERS SHALL BE SURROUNDED BY A MINIMUM OF 150mm COMPACTED CLAUSE 804 MATERIAL AS PER STD-W-14.
7. DUCTILE IRON PIPES AND FITTINGS TO BE IN ACCORDANCE WITH IS EN 545.
8. 200mm ALL AROUND, 100mm DEEP CONCRETE PLINTH WITH PROTECTIVE STAINLESS STEEL METAL BAND AROUND COVERS IN GREEN AREAS.
9. THRUST BLOCKS (NOT SHOWN ON DRAWING), TO BE PROVIDED AS PER STANDARD DRAWING STD-W-40 AT ALL TEES, BENDS, TAPERS, DEAD ENDS AND PIPES AT STEEP SLOPES.
10. ANTI CORROSION TAPE TO BE PROVIDED AROUND BURIED FLANGES.
11. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206.



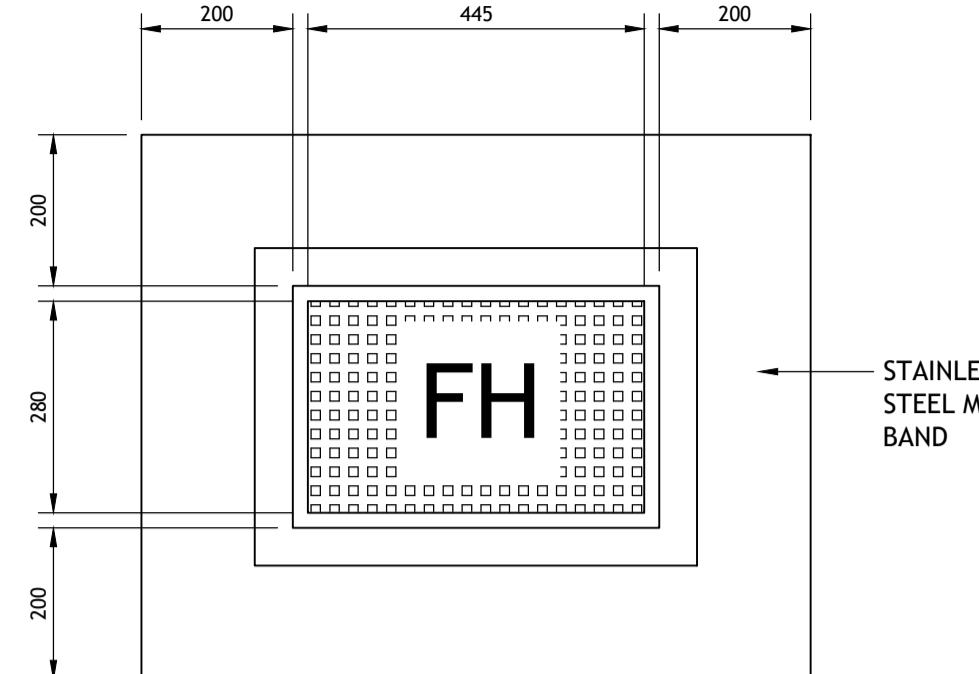
SECTION



ROOF PLAN



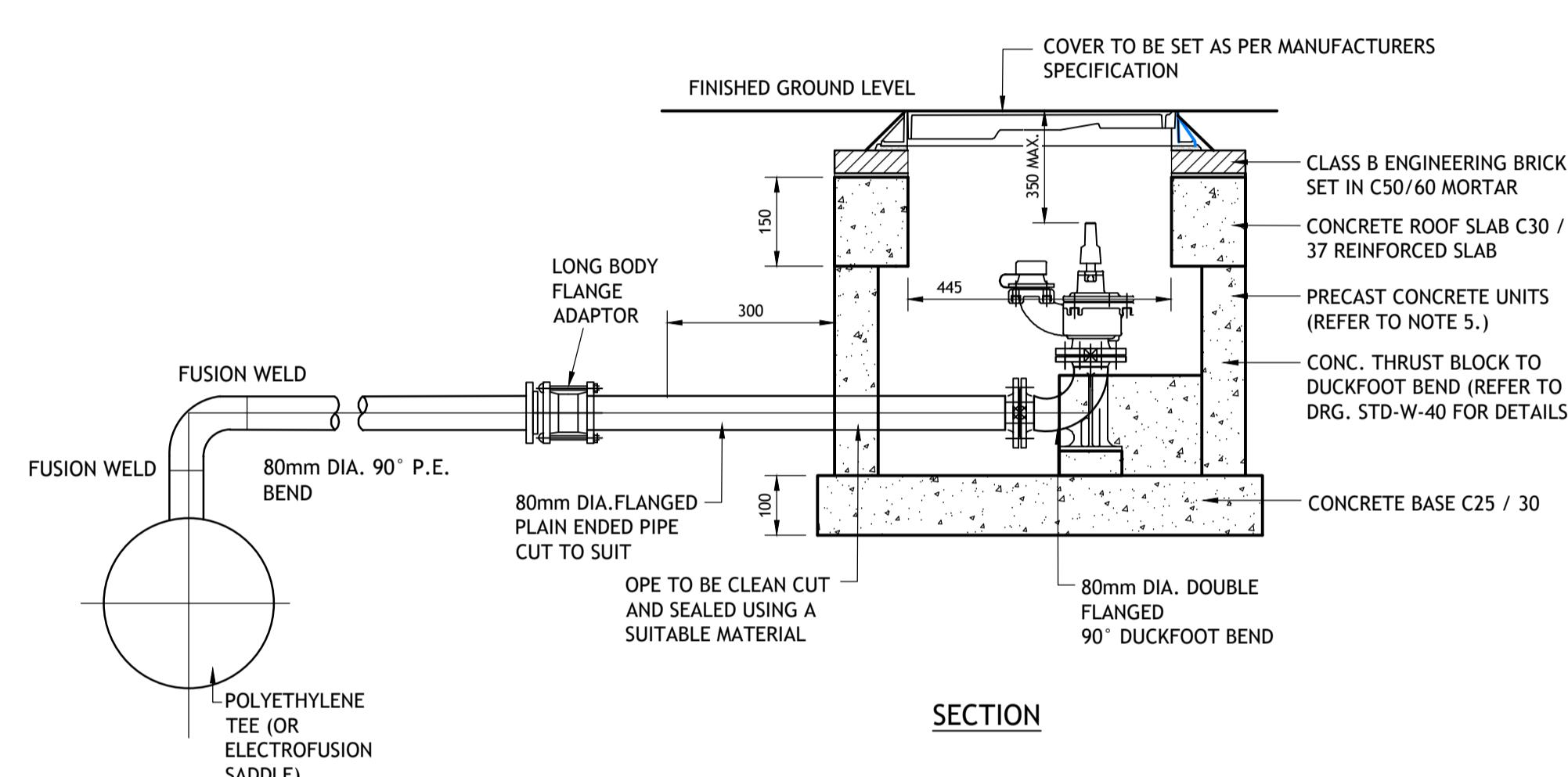
SLUICE VALVE CHAMBER (PRECAST CONCRETE CONSTRUCTION)



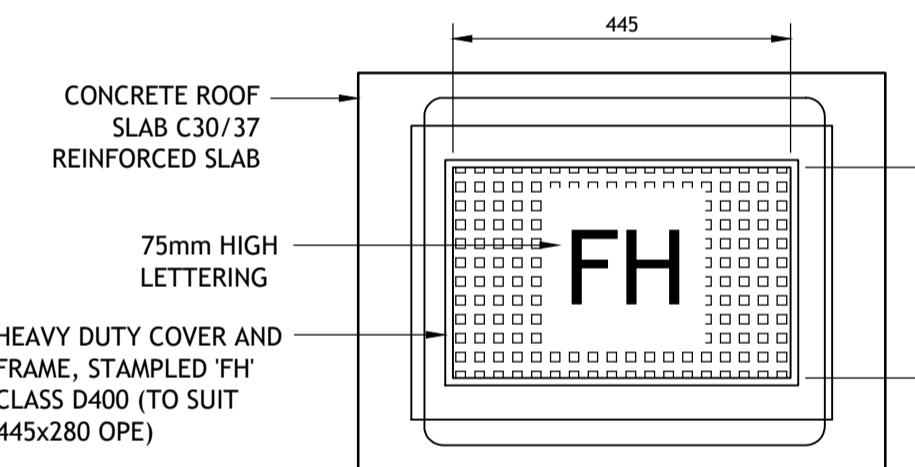
PLINTH DETAIL IN GRASS AREA

NOTES:

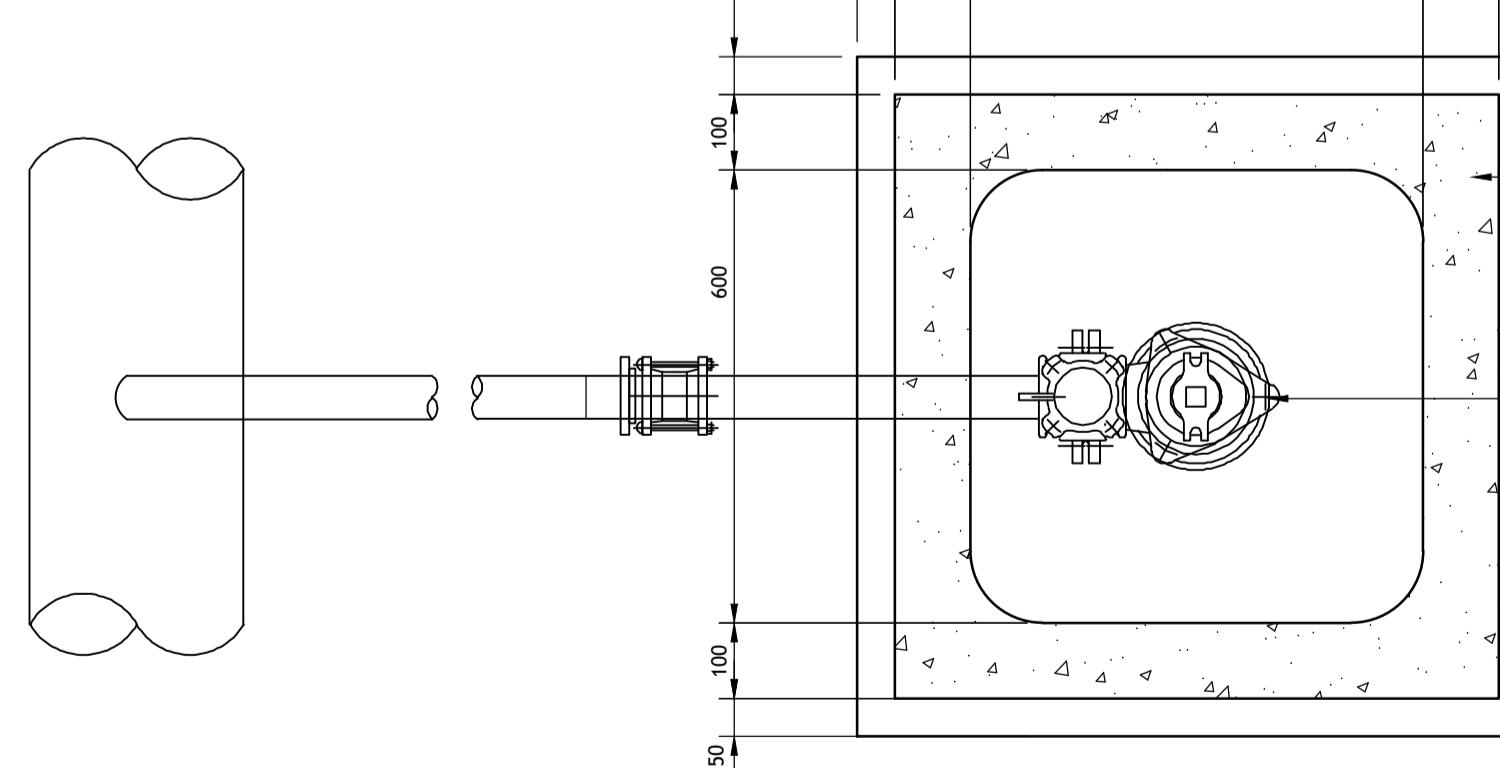
1. ALL DIMENSIONS IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. HYDRANT CHAMBERS SHALL BE COVERED WITH APPROVED HEAVY DUTY METAL COVERS TO IS 261 AND BS 5834 COVER AND FRAME SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS AND IS SUBJECT TO THE APPROVAL OF IRISH WATER.
3. HYDRANTS SHALL BE DOUBLE FLANGED DRILLED TO PN 16. THEY SHALL COMPLY WITH BS 750: 2012. THE HYDRANT SHALL INCORPORATE A SCREW DOWN GATE VALVE, UNDERGROUND "GUIDE TO HEAD" TYPE WITH SCREW DOWN CONNECTION OUTLET AND FALSE SPINDLE CAP AND IRON CHAIN.
4. ALL HYDRANTS SHALL BE CLOCKWISE CLOSING.
5. HYDRANT CHAMBER TO BE CONSTRUCTED OF PRECAST CONCRETE UNITS OR HIGH DENSITY BLOCKWORK. ALTERNATIVELY PROPRIETARY PREFABRICATED CHAMBER UNITS MAY ALSO BE USED, SUBJECT TO APPROVAL FROM IRISH WATER.
6. CONCRETE CHAMBERS SHALL BE SURROUNDED BY A MINIMUM OF 150mm COMPACTED CLAUSE 804 MATERIAL AS PER STD-W-14.
7. DUCTILE IRON PIPES AND FITTINGS TO BE IN ACCORDANCE WITH IS EN 545.
8. 200mm ALL AROUND, 100mm DEEP CONCRETE PLINTH WITH PROTECTIVE STAINLESS STEEL METAL BAND AROUND COVERS IN GREEN AREAS.
9. THRUST BLOCKS (NOT SHOWN ON DRAWING), TO BE PROVIDED AS PER STANDARD DRAWING STD-W-40 AT ALL TEES, BENDS, TAPERS, DEAD ENDS AND PIPES AT STEEP SLOPES.
10. ANTI CORROSION TAPE TO BE PROVIDED AROUND BURIED FLANGES.
11. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206.
12. TEE BRANCH: DEPTH OF TAKE-OFF PIPEWORK < 900mm, TAKE-OFF TEE MAY BE ROTATED TO ENSURE MIN. DEPTH OF COVER IS MAINTAINED, OR ALTERNATIVELY, PROVIDE PROTECTION TO TAKE-OFF PIPE.



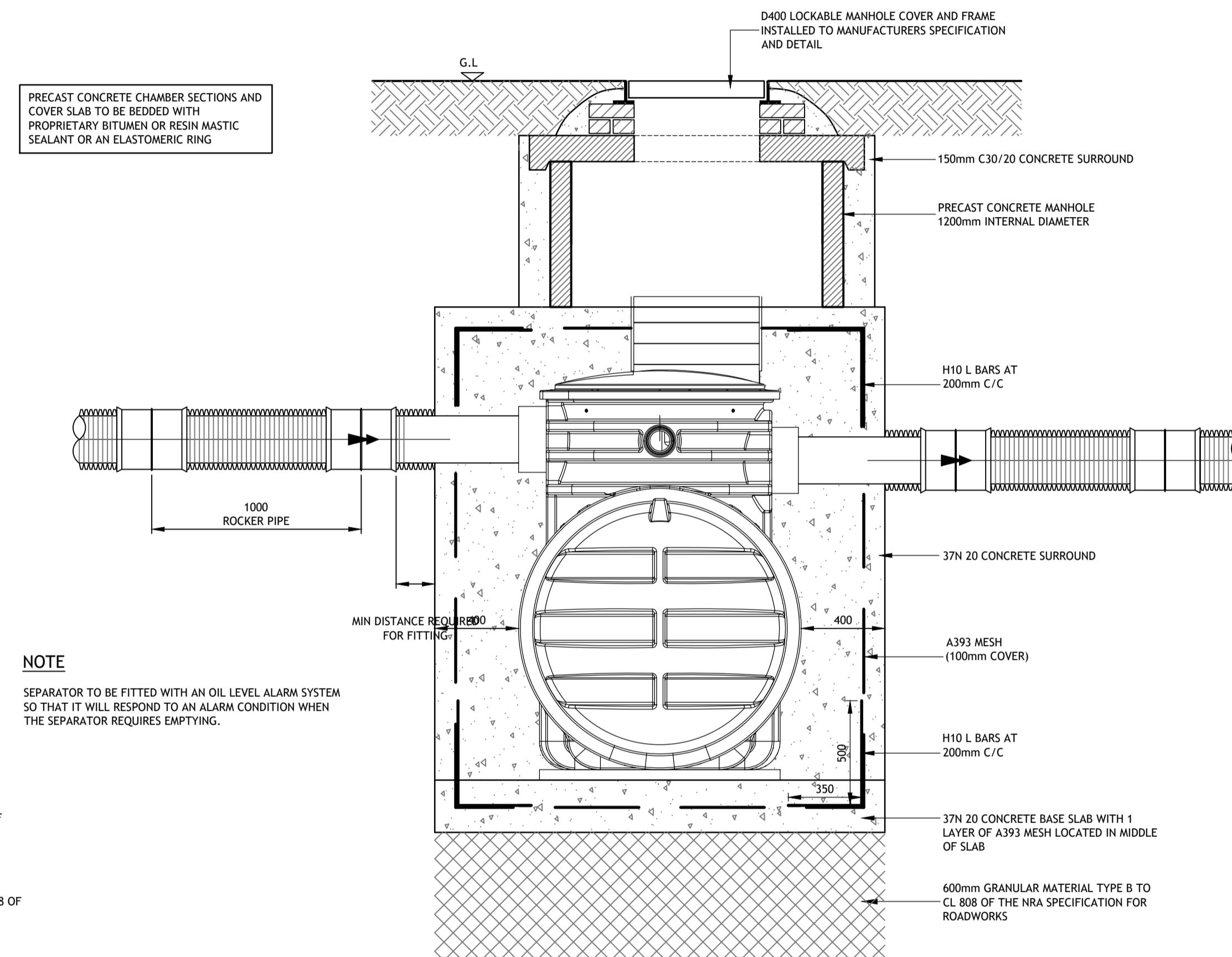
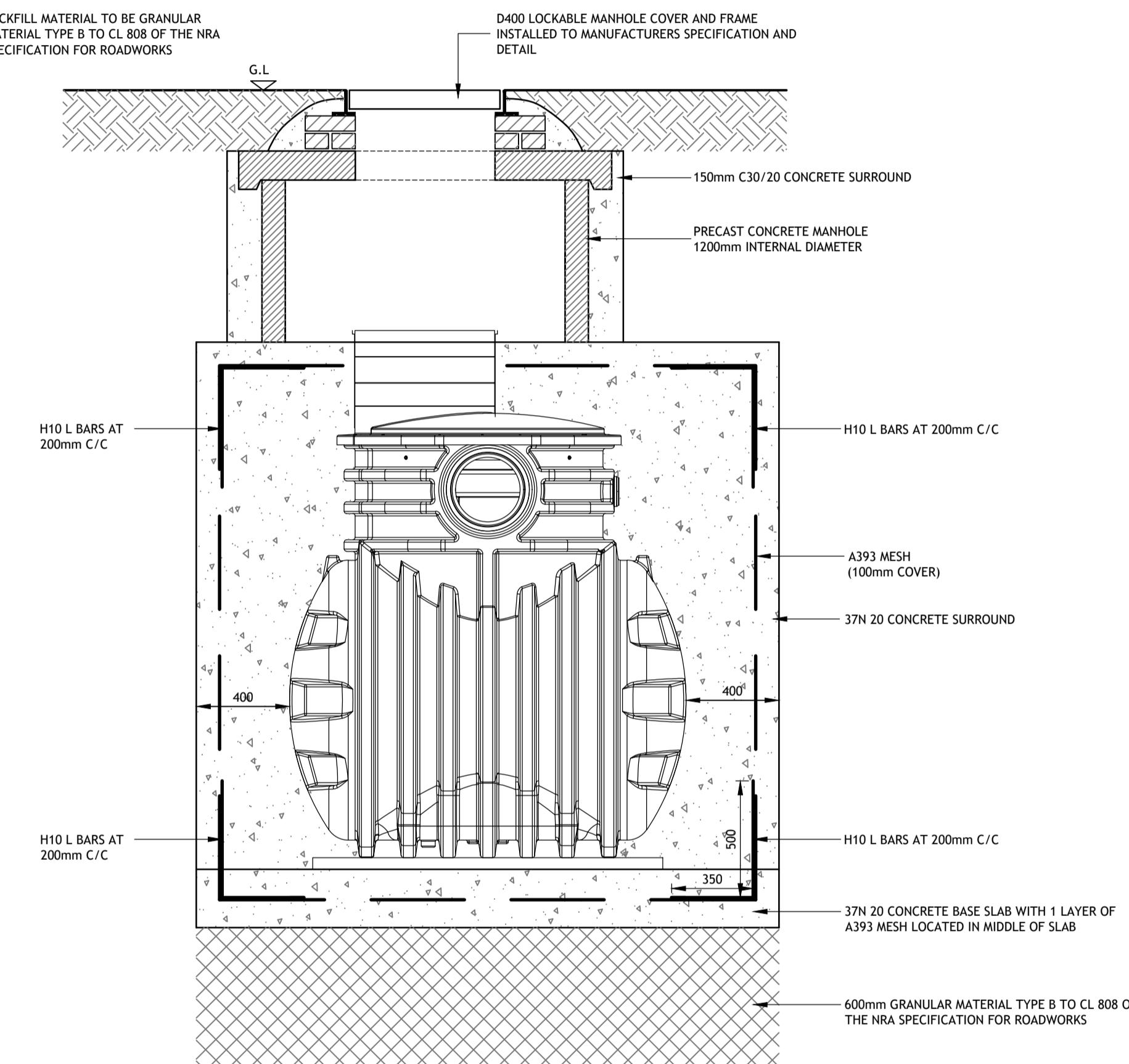
SECTION



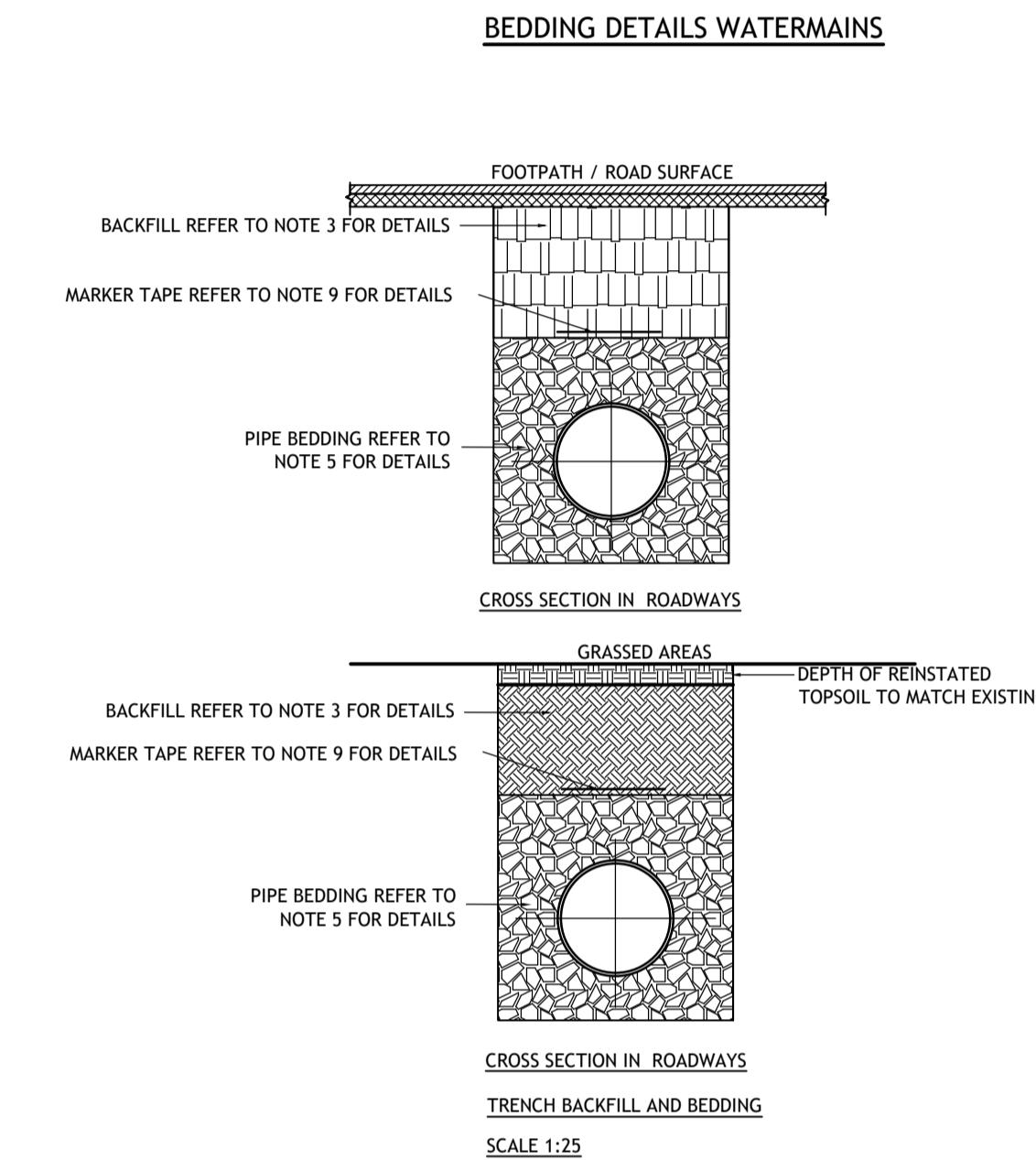
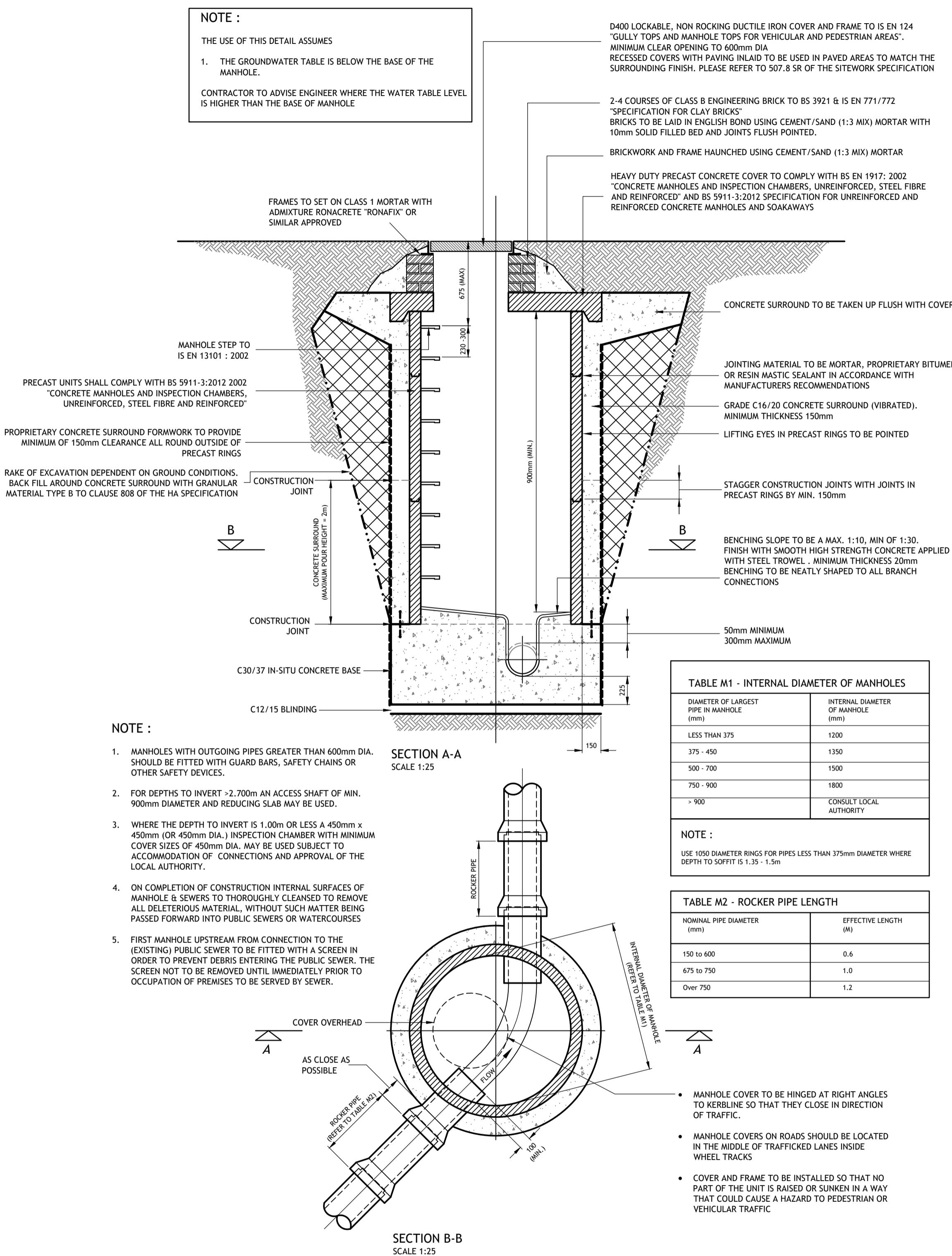
ROOF PLATE

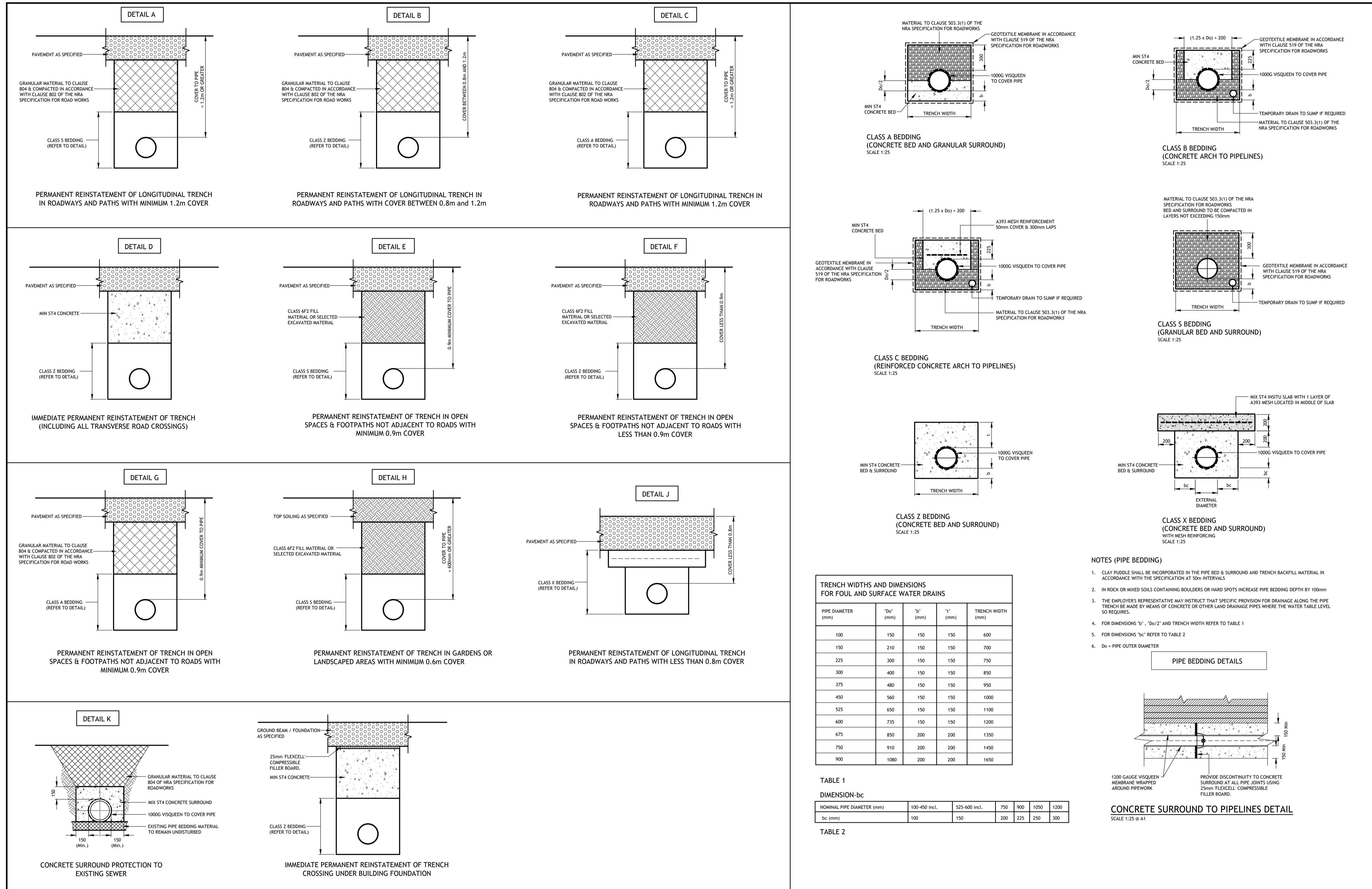


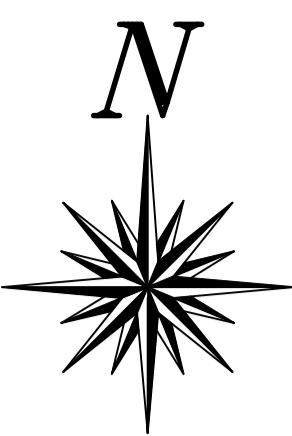
FLOOR PLAN



PETROL INTERCEPTOR , SURROUND DETAILS
SCALE 1:20

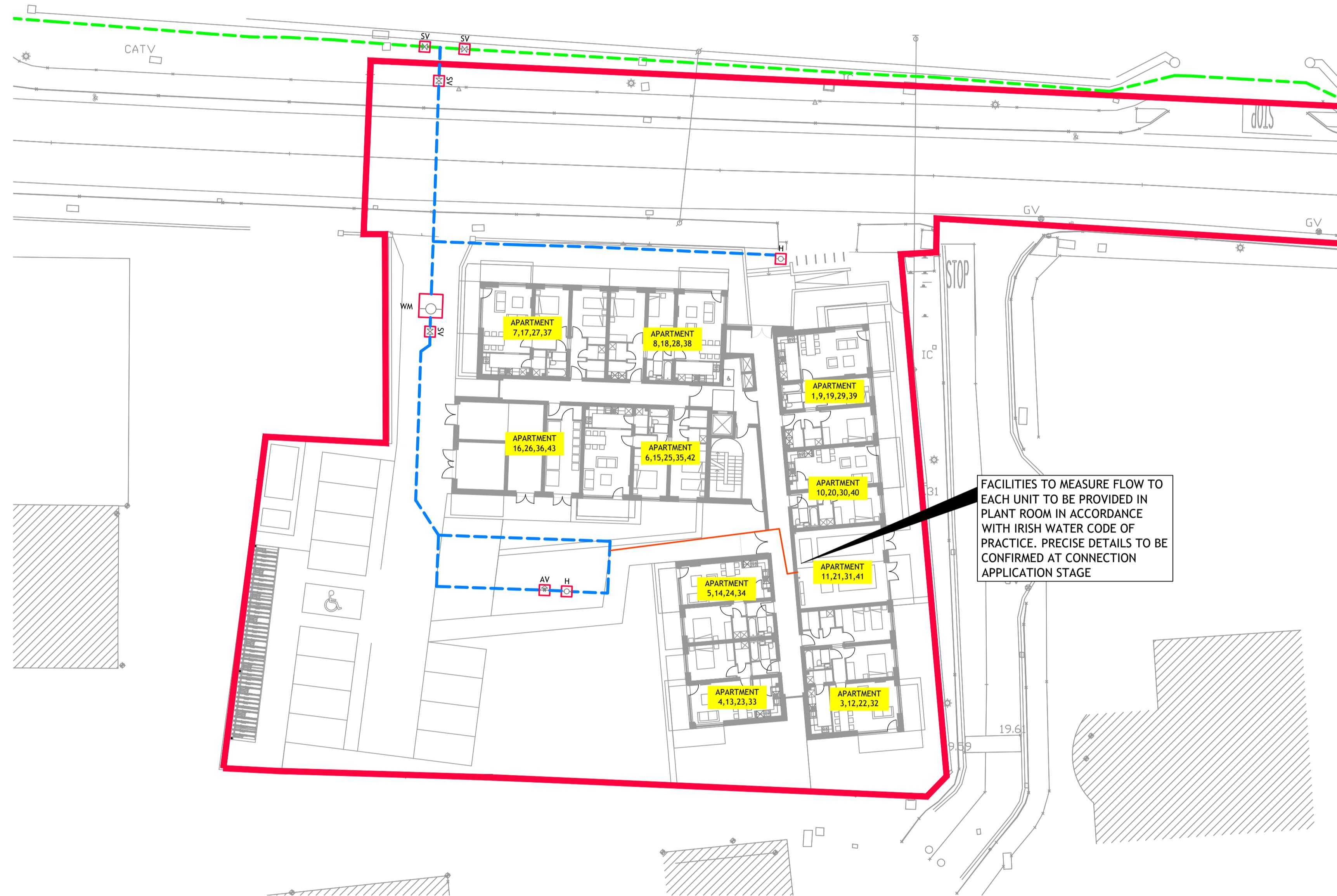






WATERMAIN:

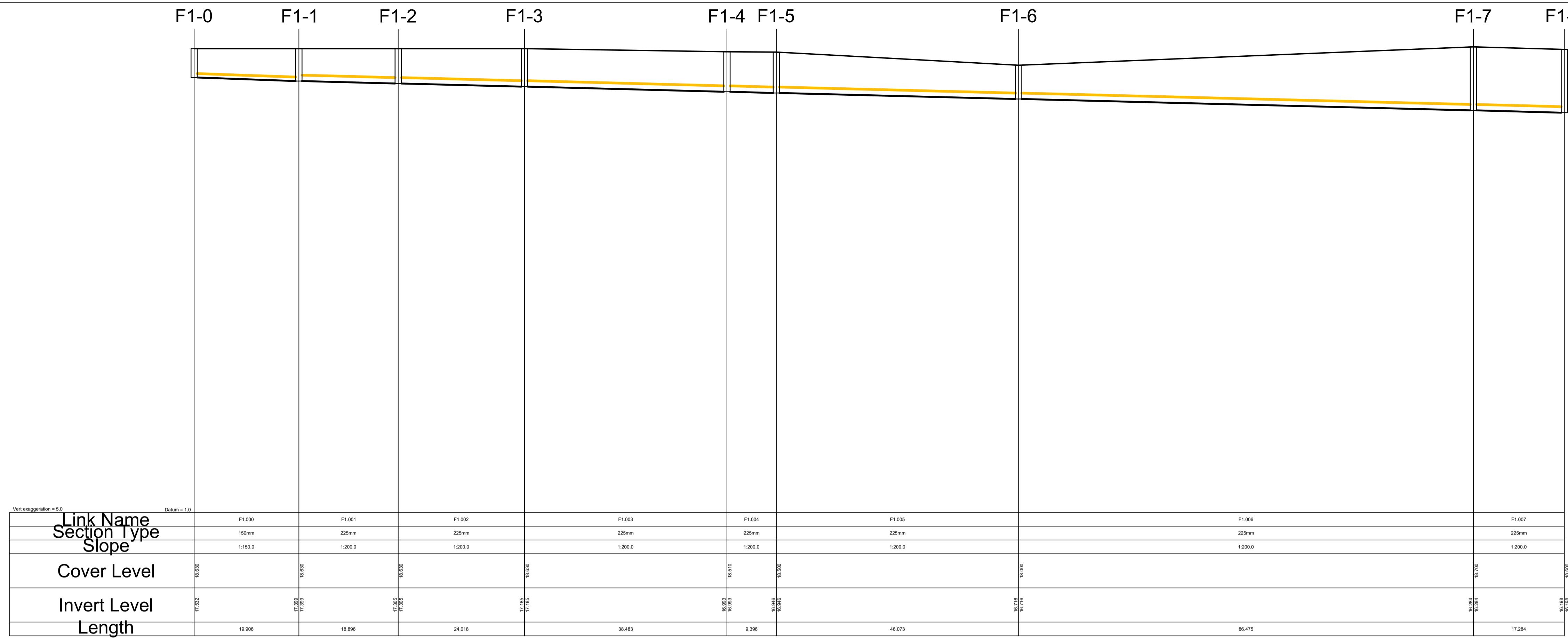
1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS & MANUFACTURERS DRAWINGS & SPECIFICATIONS.
2. ALL PIPE DIAMETERS ARE NOMINAL.
3. WHERE CONNECTION IS REQUIRED TO AN EXISTING PUBLIC WATERMAIN, THE CONTRACTOR MUST ISSUE DETAILED DOCUMENTATION FOR APPROVAL TO THE RELEVANT LOCAL AUTHORITY AND IRISH WATER. THIS DOCUMENTATION MUST BE ISSUED AT LEAST 40 WORKING DAYS IN ADVANCE OF THE PLANNED WORKS OR AS AGREED WITH THE LOCAL AUTHORITY AND IRISH WATER.
4. ALL THRUST BLOCKS ARE TO CAST AGAINST UNDISTURBED GROUND. FLEXIBLE PIPES SHOULD BE WRAPPED IN ONE LAYER OF 1000 GAUGE POLYTHENE TO AVOID DIRECT CONTACT WITH THE CONCRETE. MARKER POSTS AND PLATES TO BE PROVIDED FOR ALL VALVES, METERS AND HYDRANTS.
5. CHLORINE AND BACTERIOLOGICAL TESTS TO BE TAKEN BY EXTERNAL TESTER AND TEST REPORTS SUBMITTED TO IRISH WATER.
6. MARKER POSTS AND PLATES TO BE PROVIDED FOR ALL VALVES.
7. IN ADVANCE OF TESTING OF THE WATERMAINS, THE CONTRACTOR MUST PRESENT TO THE ENGINEER A CALIBRATION CERTIFICATE FOR THE APPARATUS TO BE USED IN THE TEST.
8. ALL DETAILS TO BE AGREED WITH LOCAL AUTHORITY.
9. ALL EXISTING WATERMAINS TO BE ADEQUATELY PROTECTED, ANY WATERMAINS DAMAGED DURING THE COURSE OF CONSTRUCTION WILL BE REPLACED BY THE CONTRACTOR AT THEIR COST.
10. COVERS OF ALL HYDRANT CHAMBERS TO BE PAINTED YELLOW.
11. ALL ROCKER PIPE SHALL BE NO MORE THAN 150mm FROM THEIR ASSOCIATED CHAMBER.
12. WHERE PIPE RUN IS LOCATED ADJACENT TO FOUNDATION AND IS AT A LEVEL BELOW THE UNDERSIDE OF THE FOUNDATION, PIPE TRENCH TO BE BACKILLED TO FORMATION LEVEL WITH CLASS 15/20 CONCRETE.
13. PROVIDE ANCHOR/THRUST BLOCKS ON ALL BENDS EQUAL TO OR IN EXCESS OF 22.5°, DEAD ENDS AND TEES ON ALL PIPES.
14. TRENCHES IN EXISTING SURFACES TO BE SAW CUT.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING OUT WATERMAINS & SLUICE VALVES TO ENSURE NO CLASHES WITH SERVICE DUCTS OR PIPES.



WATERMAIN LEGEND

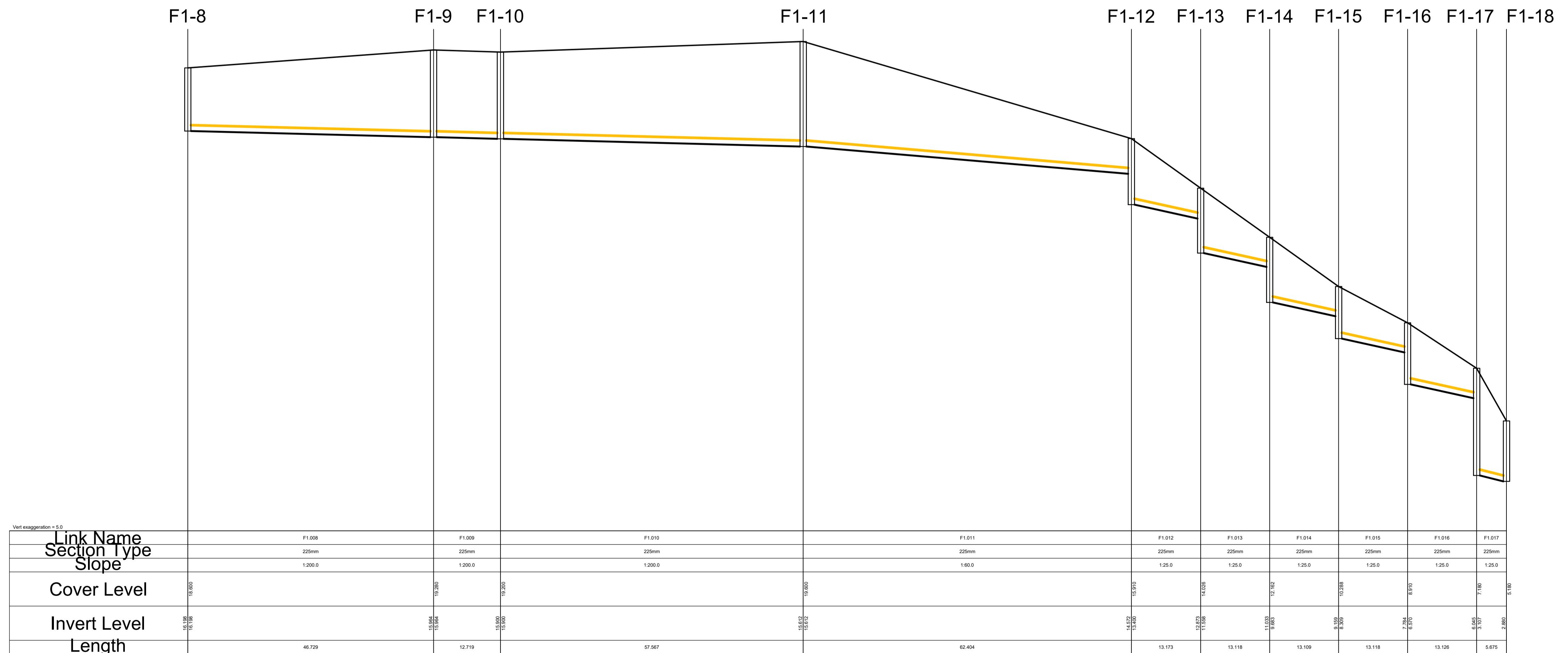
EXISTING WATERMAIN (DN100 CAST IRON)	
PROPOSED WATERMAIN (110mm OD PE100 SDR11 PIPE)	
PROPOSED WATERMAIN (63mm OD PE100 SDR11 PIPE)	
PROPERTY BOUNDARY BOX	
FIRE HYDRANT	
SLUICE VALVE	
AIR VALVE	
WATERMETER	
EXISTING FIRE HYDRANT	
EXISTING SLUICE VALVE	
EXISTING WATER METER	
SITE BOUNDARY	

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PIPERUN 1 - LONGITUDINAL SECTION

SCALE HORIZONTAL 1:500 VERTICAL 1:100



PIPERUN 1 CONTD. - LONGITUDINAL SECTION

SCALE HORIZONTAL 1:500 VERTICAL 1:100

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Date Drawn: 2021-01-07
Drawn By: Colin O'Sullivan
Colour Drawing:



Rev C01

Amendment ISSUED FOR PLANNING

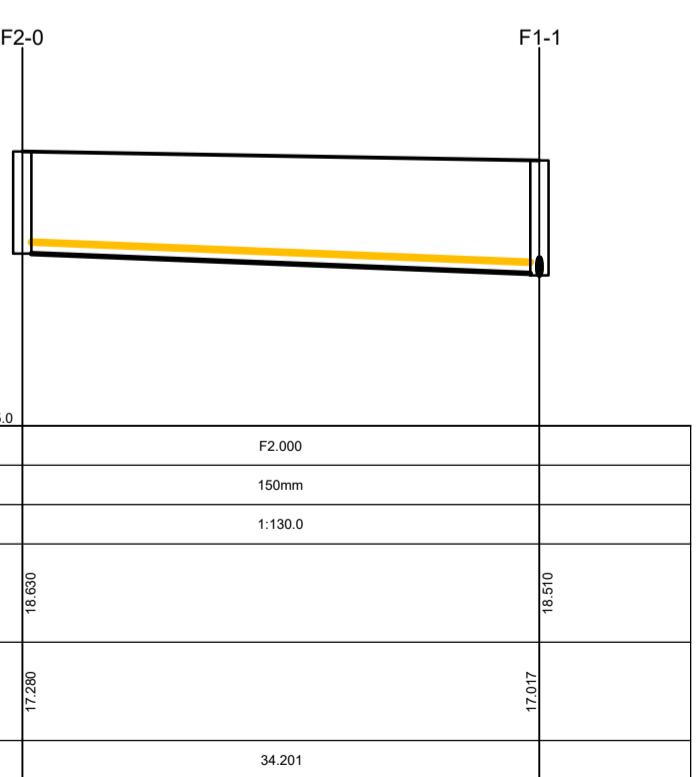
By MOC

Date 30/03/2022

Client: Comhairle Cathrach Chorais Cork City Council

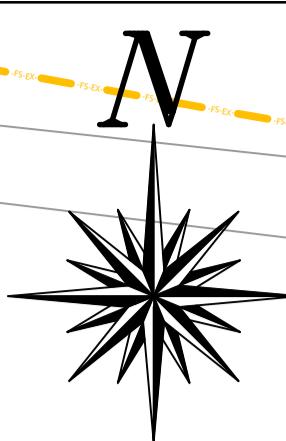
Job Title: WESTSIDE SOCIAL HOUSING DEVELOPMENT
Dwg Title: FOUL LONGSECTIONS
Job No: 194191 Model Ref: WES-PUNCH-XX-XX-M2-0175 Drawing Status: A0
Engineer Check: Mike O'Connor Approved: David O'Donovan
Document No: WES-PUNCH-XX-XX-DR-0175
IRL: +353 21 462 4000 www.punchconsulting.com Revision No: C01

Scale @ A1: 1:250
Technician Check: Colin O'Sullivan
Engineer Check: Mike O'Connor
Approved: David O'Donovan
Document No: WES-PUNCH-XX-XX-DR-0175
IRL: +353 21 462 4000 www.punchconsulting.com Revision No: C01



PIPERUN 2 - LONGITUDINAL SECTION

SCALE HORIZONTAL 1:500 VERTICAL 1:100



Foul Network										
Pipe Reference	Upstream Manhole	Length	Fall	Slope	Upstream Cover Level	Upstream Invert Level	Downstream Invert Level	Pipe Diameter		
		(m)	(m)	(1:X)	(m)	(m)	(m)	(mm)		
F1.000	F1-0	19.906	0.133	150.0	18.630	17.532	17.399	150		
F1.001	F1-1	18.896	0.094	200.0	18.630	17.399	17.305	225		
F1.002	F1-2	24.018	0.120	200.0	18.630	17.305	17.185	225		
F1.003	F1-3	38.483	0.192	200.0	18.630	17.185	16.993	225		
F1.004	F1-4	9.396	0.047	200.0	18.510	16.993	16.946	225		
F1.005	F1-5	46.073	0.230	200.0	18.500	16.946	16.716	225		
F1.006	F1-6	86.475	0.432	200.0	18.000	16.716	16.284	225		
F1.007	F1-7	17.284	0.086	200.0	18.700	16.284	16.198	225		
F1.008	F1-8	46.729	0.234	200.0	18.600	16.198	15.964	225		
F1.009	F1-9	12.719	0.064	200.0	19.280	15.964	15.900	225		
F1.010	F1-10	57.567	0.288	200.0	19.200	15.900	15.612	225		
F1.011	F1-11	62.404	1.040	60.0	19.600	15.612	14.572	225		
F1.012	F1-12	13.173	0.527	25.0	15.910	13.400	12.873	225		
F1.013	F1-13	13.118	0.525	25.0	14.026	11.558	11.033	225		
F1.014	F1-14	13.109	0.524	25.0	12.162	9.683	9.159	225		
F1.015	F1-15	13.118	0.525	25.0	10.288	8.309	7.784	225		
F1.016	F1-16	13.126	0.525	25.0	8.910	6.570	6.045	225		
F1.017	F1-17	5.675	0.227	25.0	7.180	3.107	2.880	225		

Storm Network										
Pipe Reference	Upstream Manhole	Length	Fall	Slope	Upstream Cover Level	Upstream Invert Level	Downstream Invert Level	Pipe Diameter		
		(m)	(m)	(1:X)	(m)	(m)	(m)	(mm)		
S1.000	S1-0	3.856	0.019	200.0	18.630	17.105	17.086	225		
S1.001	S1-1 (P1)	4.294	0.021	200.0	18.600	17.086	17.065	225		
S1.002	S1-2	21.836	0.109	200.0	18.600	17.065	16.956	225		
S1.003	S1-3	2.169	0.011	200.0	18.400	16.956	16.945	225		
S1.004	S1-4 (HB)	11.056	0.037	300.0	18.320	16.945	16.908	300		
S1.005	S1-5	88.739	0.296	300.0	18.150	16.908	16.612	300		
S1.006	S1-6	75.360	0.251	300.0	19.550	16.612	16.361	300		
S1.007	S1-7	21.567	0.072	300.0	19.650	16.361	16.289	300		
S1.008	S1-8	28.729	0.098	300.0	19.680	16.289	16.193	300		
S1.009	S1-9	32.639	0.109	300.0	19.440	16.193	16.084	300		
S1.010	S1-10	56.035	0.187	300.0	19.440	16.084	15.897	300		

TIE INTO EXISTING WASTEWATER SEWER VIA NEW MANHOLE

FMH
C.L.5.18
I.L.2.790

FMH
C.L.8.190
I.L.6.230

SMH1
C.L.16.09
I.L.14.73

10kv

13.56

16.63

225

150

150

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