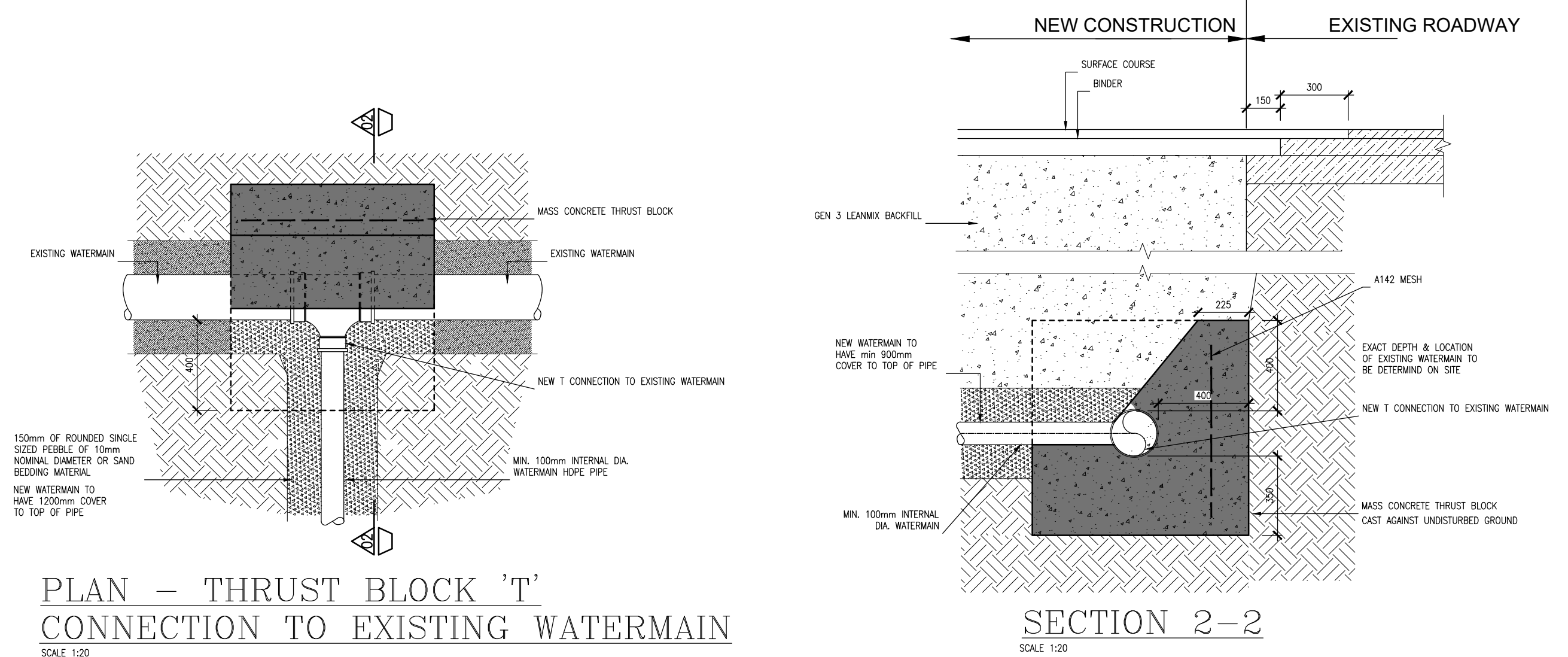


	EXISTING WATERMAIN PROPOSED CONNECTION	SLUICE VALVE SLUICE VALVE AIR VALVE	SLUICE VALVE	SLUICE VALVE	HYDRANT
Hor Scale 100 Ver Scale 50					
Station (m) - 39.25	1.000	1.001	1.002	1.003	
Dia (mm)	100	100	100	100	
Slope (1:X)	PRESSURISED	PRESSURISED	PRESSURISED	PRESSURISED	
Cover Level (m)	41.450 42.750	41.450 42.750	41.450 42.750	41.700 43.000	41.700 43.000
Invert Level (m)					
Length (m)	3.700	8.200	40.330	4.900	

WATERMAIN SECTION - at CONNECTION POINT to HYDRANT

SCALE = AS NOTED ABOVE



PLAN - THRUST BLOCK 'T' CONNECTION TO EXISTING WATERMAIN

SCALE 1:20

SECTION 2-2

SCALE 1:20

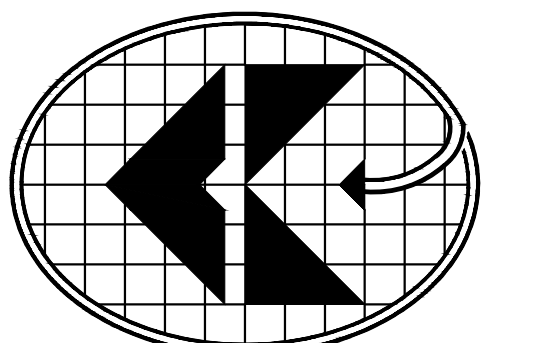
WATERMAIN NOTES :

1. WATER MAINS SHOULD HAVE A MINIMUM NOMINAL PRESSURE CLASSIFICATION OF 9 BAR. THE FOLLOWING PIPES MAY BE USED:
 - (A) PIPE TYPE AND MATERIAL SPECIFICATION SHOULD BE IN ACCORDANCE WITH SECTION 3.9 OF THE WATER CODE OF PRACTICE.
 - (B) DUCTILE IRON PIPES TYPE AND MATERIAL SPECIFICATION SHOULD BE IN ACCORDANCE WITH SECTION 3.9.2 AND 3.9.3 OF THE WATER CODE OF PRACTICE.
 - (C) POLYETHYLENE PIPES TYPE AND MATERIAL SPECIFICATION SHOULD BE IN ACCORDANCE WITH SECTION 3.9.2 AND 3.9.3 OF THE WATER CODE OF PRACTICE.
2. SERVICE PIPES SHOULD HAVE AN INTERNAL DIAMETER OF 25mm AND SHOULD COMPLY WITH WATER CODE OF PRACTICE 3.9 AND USICE EIREANN STANDARD DETAIL STD-W-03.
3. CLASS OF PIPE TO USE USICE EIREANN CODE OF PRACTICE
4. CONCRETE ANCHOR BLOCKS TO COMPLY WITH USICE EIREANN STANDARD DETAIL STD-W-28.
5. THE DEPTH OF THE SLUICE VALVE SPINDLE CAP BELOW FINISHED GROUND LEVEL SHOULD NOT EXCEED 300mm
6. DEPTH OF HYDRANT FROM FINISHED GROUND LEVEL SHOULD BE A MAXIMUM OF 250mm. HYDRANTS TO COMPLY WITH USICE EIREANN STANDARD DETAILS STD-W-16 TO STD-W-19.
7. AIR VALVES TO BE IN COMPLIANCE WITH THE REQUIREMENTS LISTED IN USICE EIREANN STANDARD DETAIL STD-W-21.
8. THE BOUNDARY BOX IS TO COMPLY WITH USICE EIREANN STANDARD DETAIL STD-W-03.
9. ALL FITTINGS, INCLUDING SLUICE VALVES, BUTTERFLY VALVES, SCOUR VALVES, HYDRANTS, AIR VALVES AND METERS, TO COMPLY WITH WATER CODE OF PRACTICE 3.16.
10. NO PIPE, CABLE, CONDUIT OR OTHER SERVICE PIPE SHOULD BE LAD LONGITUDINALLY OVER THE LINE OF A WATERMAIN.
11. TRENCH BACKFILL AND BEDDING TO COMPLY WITH USICE EIREANN STANDARD DETAIL STD-W-13.
12. ALL NEW TREES/SHRUBS PLANTING ADJACENT TO WATER MAINS TO COMPLY WITH USICE EIREANN STANDARD DETAIL STD-W-12A.

REFER TO DRAWING 306 FOR PLAN LAYOUT

Rev.	Revision	Date

DRAWING STATUS		
P PRELIMINARY	A APPROVAL	T TENDER
C CONSTRUCTION	R RECORD	I INFORMATION



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PROJECT
GCC SOCIAL HOUSING PORTUMNA

CLIENT
GALWAY COUNTY COUNCIL

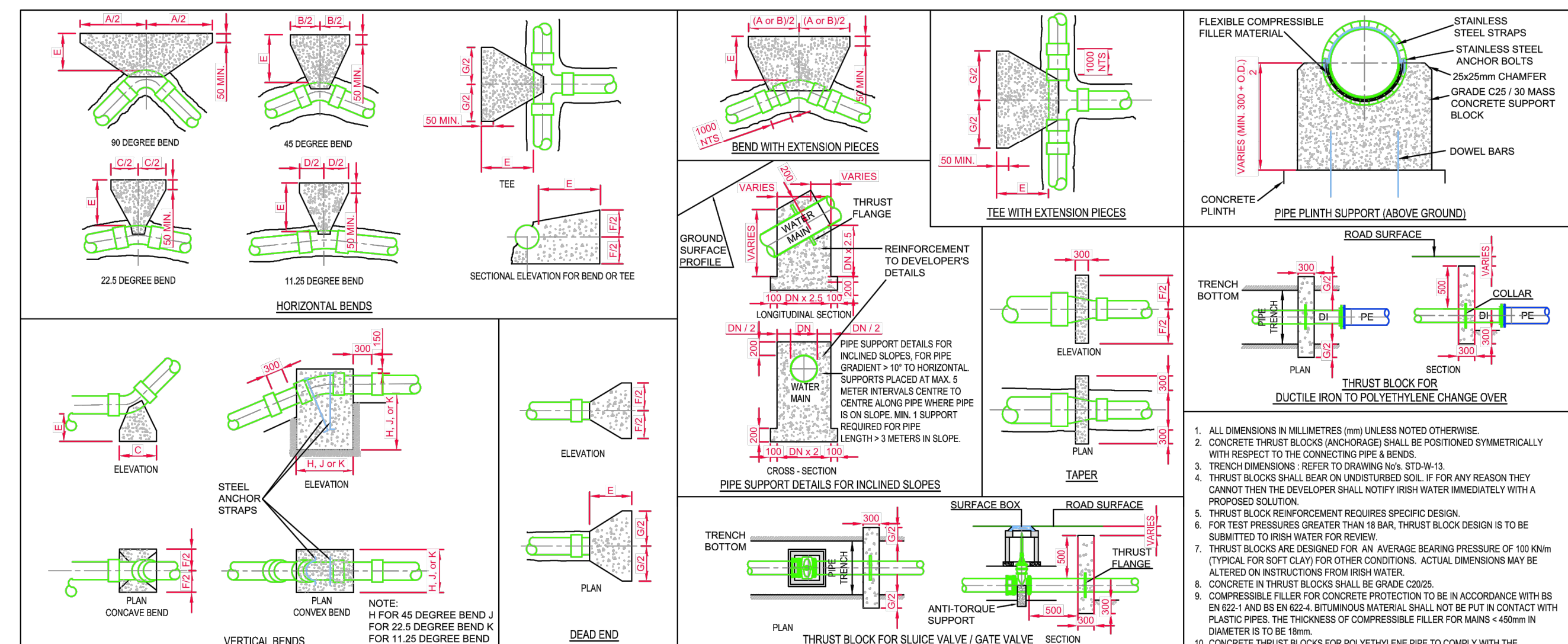
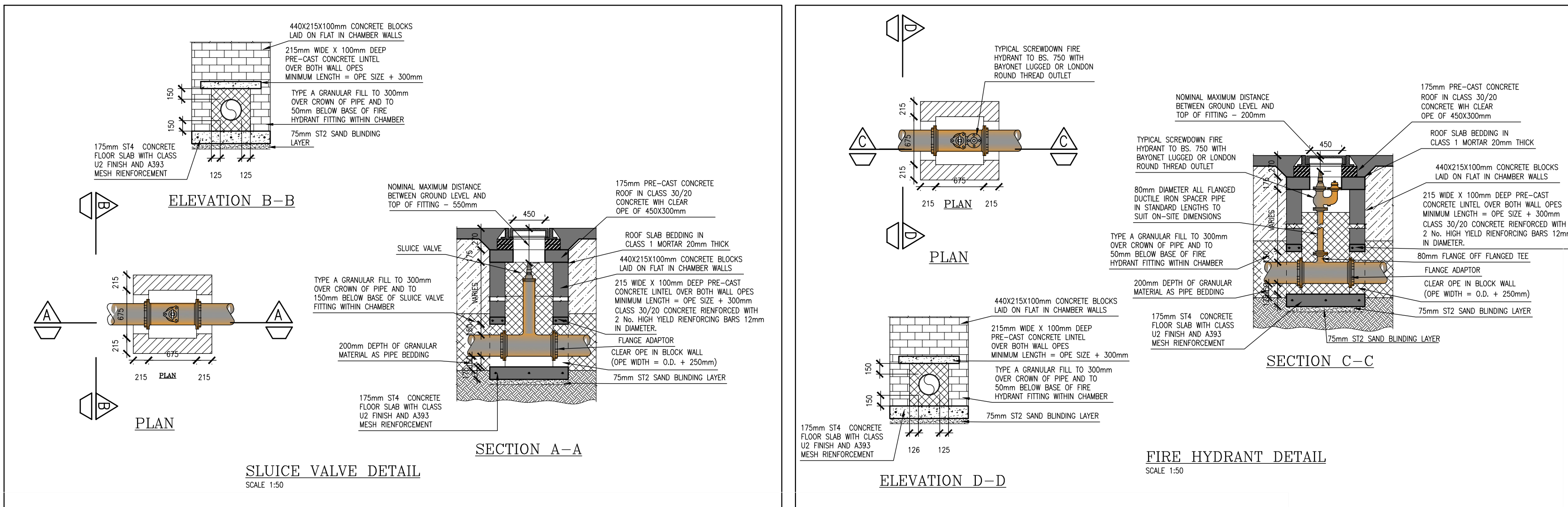
TITLE
WATERMAIN SECTIONS & TYPICAL DETAILS

PROJECT No. 24-116 STATUS - DRAWING No. P-307

DATE MAY 2025 DRAWING REV. 2

SCALE 1:200, 1:100, 1:50 & 1:20 @ A1 BY AC CHECKED BC

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COYLEKENNEDY



< 12 BAR TEST PRESSURE													12 BAR TO 15 BAR TEST PRESSURE													15 BAR TO 18 BAR TEST PRESSURE												
DIMENSIONS													DIMENSIONS													DIMENSIONS												
NOM. DIA. (mm)	A	B	C	D	E	F	G	H	J	K		NOM. DIA. (mm)	A	B	C	D	E	F	G	H	J	K	NOM. DIA. (mm)	A	B	C	D	E	F	G	H	J	K					
100	600	330	180	80	200	350	380	700	600	400		100	750	380	190	100	220	350	510	750	600	400	100	750	380	190	100	220	350	510	750	600	400					
150	960	510	280	130	225	450	660	900	750	600		150	1135	620	320	160	225	450	760	960	750	600	150	1250	700	350	180	250	500	880	1000	850	650					
200	1150	600	310	160	300	650	780	1050	600	700		200	1400	750	380	190	300	650	960	1150	950	700	200	1650	800	400	230	320	700	1170	1250	1000	800					
250	1350	750	380	200	300	800	970	1200	1000	750		250	1730	940	480	240	320	800	1210	1350	1050	850	250	1980	1050	540	270	350	900	1370	1450	1150	900					
300	1580	850	450	220	320	950	1110	1300	1100	850		300	2090	1150	580	300	380	950	1480	1550	1200	950	300	2300	1200	640	320	500	1100	1630	1650	1300	1050					
350	2100	1150	570	290	450	1000	1480	1550	1250	900		350	2620	1410	720	360	500	1050	1660	1700	1300	1050	350	2920	1560	800	410	750	1200	2070	1950	1550	1150					
400	2550	1400	700	350	500	1200	1650	1700	1250	1050		400	2980	1610	820	420	570	1200	2110	1950	1500	1150	400	3510	1800	970	1000	1300	2490	2000	1600	1250						
450	3000	1630	830	420	680	1100	2130	1900	1450	1150		450	3400	1940	940	470	800	1300	2330	2000	1600	1250	450	3810	2270	1160	580	1000	1350	2970	2150	1700	1350					
500	3590	1980	990	500	800	1200	2540	1960	1600	1250		500	4060	2210	1130	570	1000	1400	2660	2200	1750	1350	500	4340	2380	1210	610	1000	1400	3700	2250	1750	1400					
600	4100	2200	1120	570	850	1400	2880	2100	1700	1300		600	6010	2710	1380	700	1000	1900	3550	2350	1900	1500	600	6370	3450	1780	800	1000	1900	4500	2400	2050	1650					

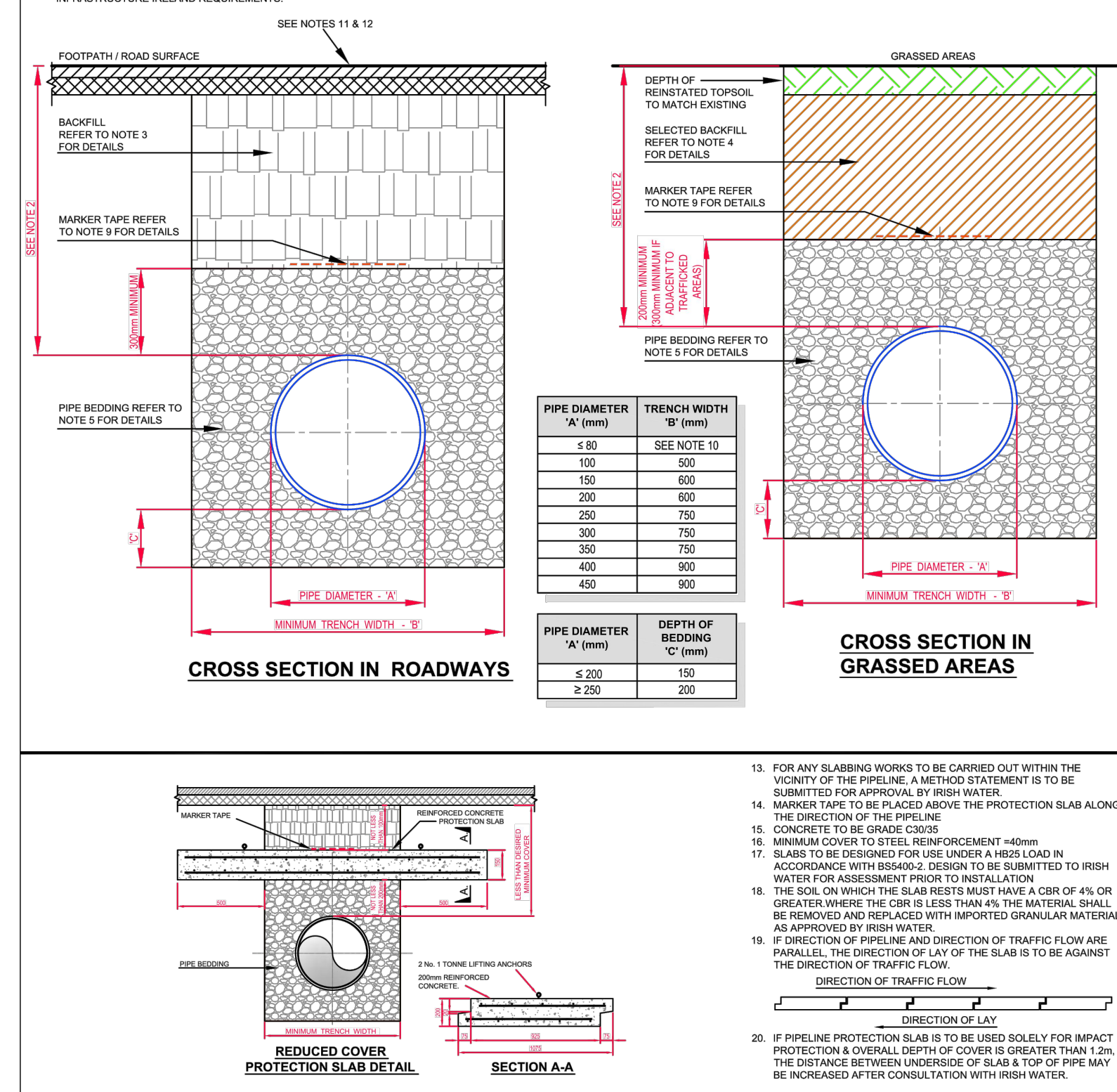
COMPLIANCE IN ACCORDANCE WITH BS 8007 BEFORE BEING CAST INTO CONCRETE.

AL AL CONCRETE TO BE IN ACCORDANCE WITH BS 206.

TABLE OF DIMENSIONS FOR STEEPLY INCLINED PIPELINES	
GRADIENT	SPACING
1 IN 2 & THEREAFTER	5.5m
BELONG 1 IN 2 TO 1 IN 4	11.0m
1 IN 4 TO 1 IN 6	16.0m
1 IN 6 TO 1 IN 8	22.5m

REFER TO INDEX SHEET FOR NOTES REGARDING DESIGN RESPONSIBILITY & RISK ASSESSMENT

STANDARD DETAILS - WATER													SCALE NOT TO SCALE		DATE SEPT. 2015	
TITLE													DRAWING No.		REV	
WATER MAIN THRUST AND SUPPORT BLOCKS													STD-W-28		1	
Uisce Eireann - Irish Water 1 11/17 JM/TCC Anti-torque support note & thrust flange added & notes updated MOD																
0 09/15 JM/TCC Initial Issue SL																
No Date Chk Description App																



STANDARD DETAILS - WATER													SCALE NOT TO SCALE		DATE SEPT. 2015	
TITLE													DRAWING No.		REV	
TRENCH BACKFILL / BEDDING & REDUCED COVER PROTECTION SLAB DETAIL													STD-W-13		2	
2 07/20 RM Minor edit to table 5. Protection also added about the area. MOD																
1 11/17 JM/TCC Added & updated notes MOD																
0 09/15 JM/TCC Initial Issue SL																
No Date Chk Description App																