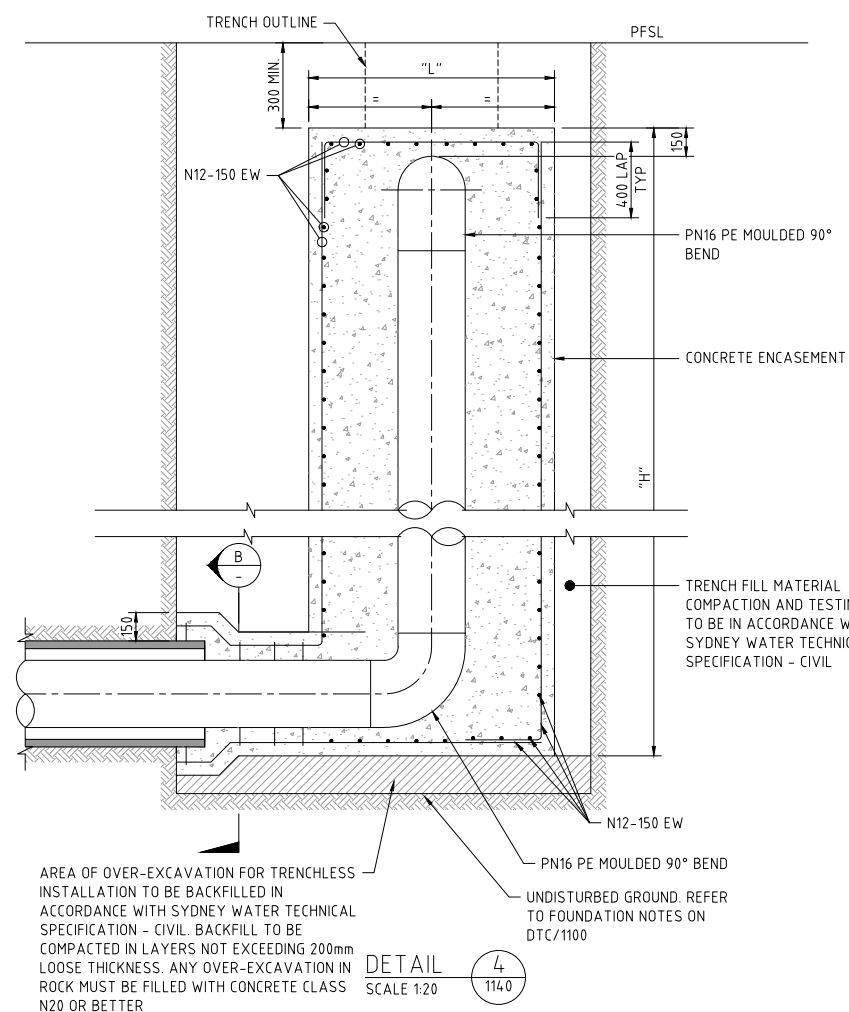
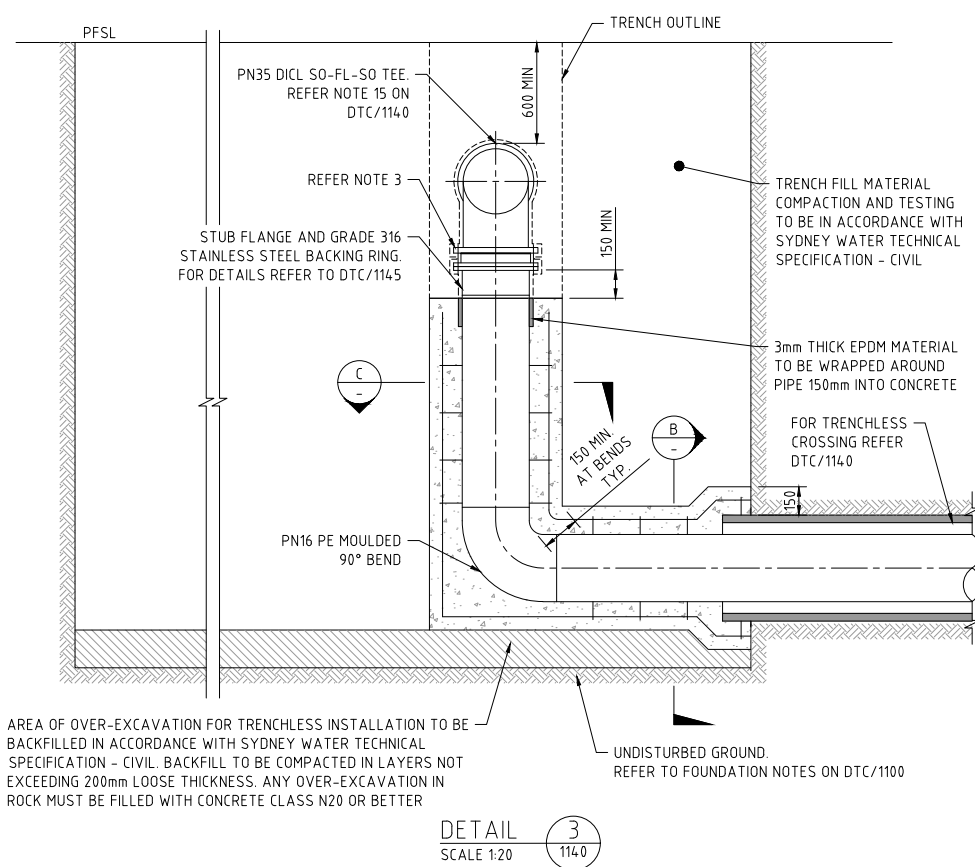
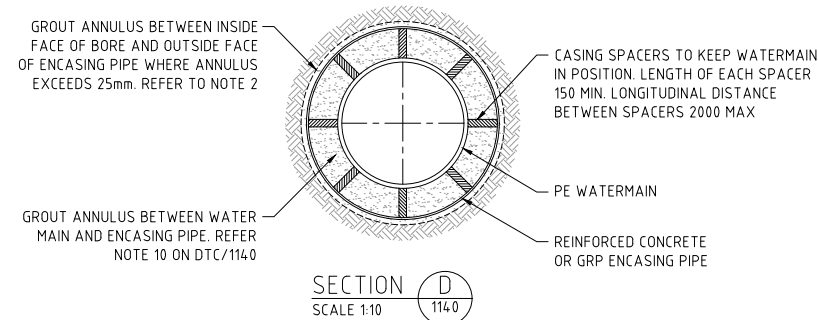
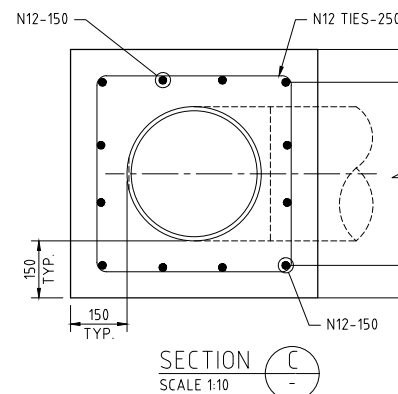
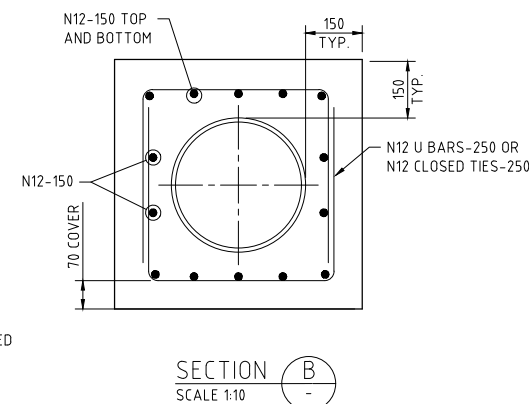
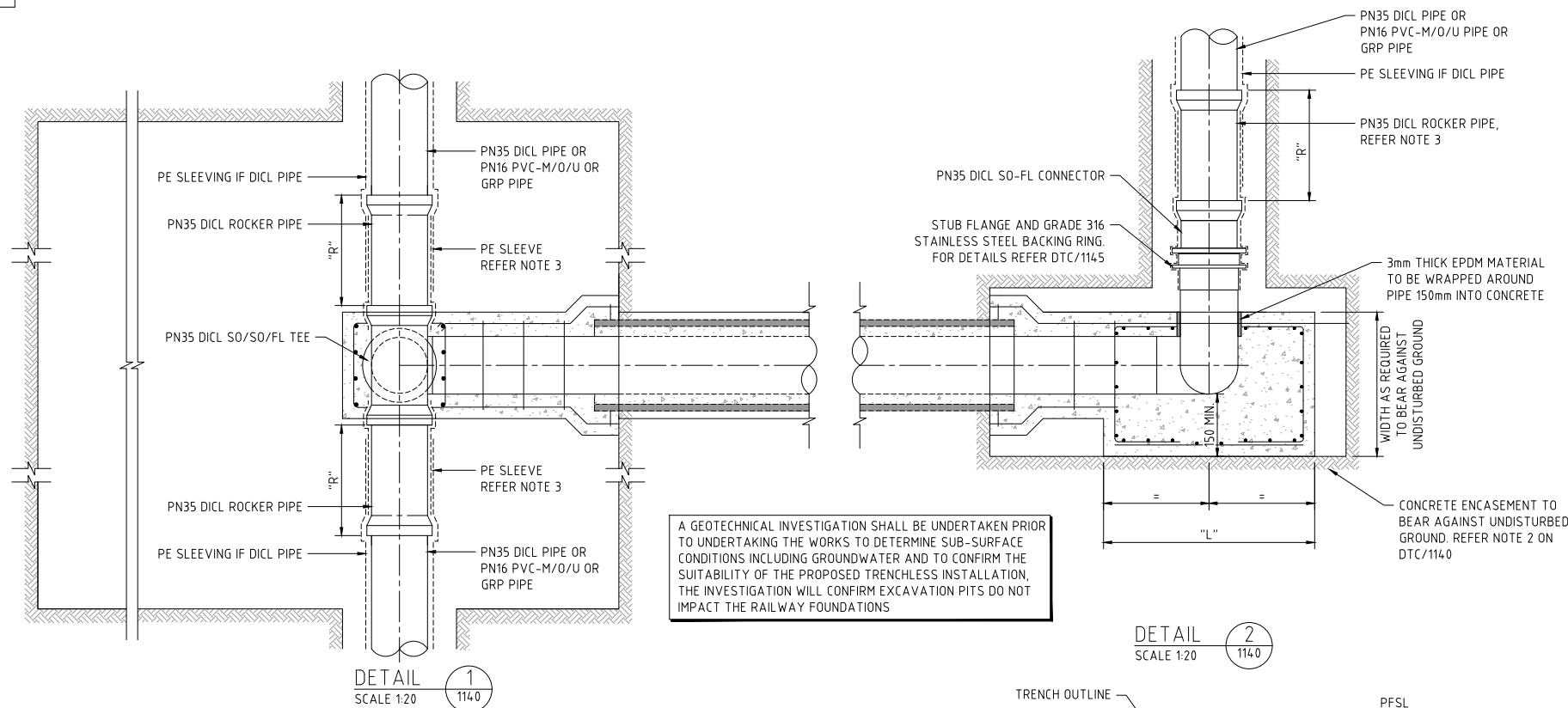


NOTES:

- THIS DRAWING TO BE READ IN CONJUNCTION WITH DTC/1140.
- DESIGNER TO UNDERTAKE SETTLEMENT ANALYSIS AND CONSULTATION WITH RELEVANT RAIL AUTHORITY TO CONFIRM GROUTING ANNULUS IS APPROPRIATE.
- DICL PIPE TO BE WRAPPED IN PE SLEEVING. SLEEVING TO EXTEND 150mm PAST FLANGE AND TAPE TO PE MAIN

REFERENCE DRAWINGS:

DTC/1100	WATER MAIN CONSTRUCTION NOTES
DTC/1115	ANCHORAGE DETAILS DICL AND PVC WATER MAINS \leq DN300 STOP VALVES
DTC/1140	RAILWAY CROSSING - TRENCHLESS PE WATER MAINS DN150 - DN300 SHEET 1 OF 2
DTC/1145	WATER MAINS PN16 BURIED FLANGE CONNECTION DETAILS DN100 TO DN750



ROCKER PIPE DIMENSIONS		
PIPE SIZE (DN)	"R" MIN	"R" MAX
150	300	450
200	400	600
250	500	750
300	600	900

PIPE DIMENSIONS			
PE PIPE SIZE (DN)	PE PIPE OUTSIDE DIAMETER (OD)	ENCASING PIPE	
		NOMINAL SIZE (DN)	INTERNAL DIAMETER (ID) MIN.
150	180	300	292
200	200	300	292
250	280	375	369
300	315	450	445

THRUST ANCHOR BLOCK DETAILS FOR 90° BENDS								
BRANCH DN	BRANCH OD	DESIGN PRESSURE HEAD	TEST PRESSURE HEAD	THRUST T	SOIL TYPE ¹	REQUIRED BEARING AREA	H MIN	L MIN
(mm)	(mm)	(m)	(m)	(kN)	-	(m ²)	(mm)	(mm)
150	177	120	150	36.2	S1	0.724	1100	700
150	177	120	150	36.2	S2	0.362	1100	500
150	177	120	150	36.2	S3	0.181	1100	500
200	232	120	150	62.2	S1	1.243	1300	800
200	232	120	150	62.2	S2	0.622	1300	550
200	232	120	150	62.2	S3	0.311	1300	550
250	286	120	150	94.5	S1	1.889	1450	1150
250	286	120	150	94.5	S2	0.945	1450	600
250	286	120	150	94.5	S3	0.472	1450	600
300	345	120	150	137.5	S1	2.749	1550	1600
300	345	120	150	137.5	S2	1.375	1550	700
300	345	120	150	137.5	S3	0.687	1550	650

1. REFER TABLE F6 ON DTC/1100 FOR SOIL TYPES.