

DETAIL 01 SCALE 1:25
BEDDING DETAIL ACROSS OPEN SPACE/VERGES/PATHS (SIMILAR)

DETAIL 02 SCALE 1:25
BEDDING DETAIL ACROSS ROADWAY

DETAIL 03 SCALE 1:25
BEDDING DETAIL ACROSS OPEN SPACE/VERGES/PATHS (SIMILAR) - CLASS B

DETAIL 04 SCALE 1:25
BEDDING DETAIL ACROSS ROADWAY - CLASS B

DETAIL 05 SCALE 1:25
BEDDING DETAIL ACROSS OPEN SPACE/VERGES/PATHS (SIMILAR) - CLASS S

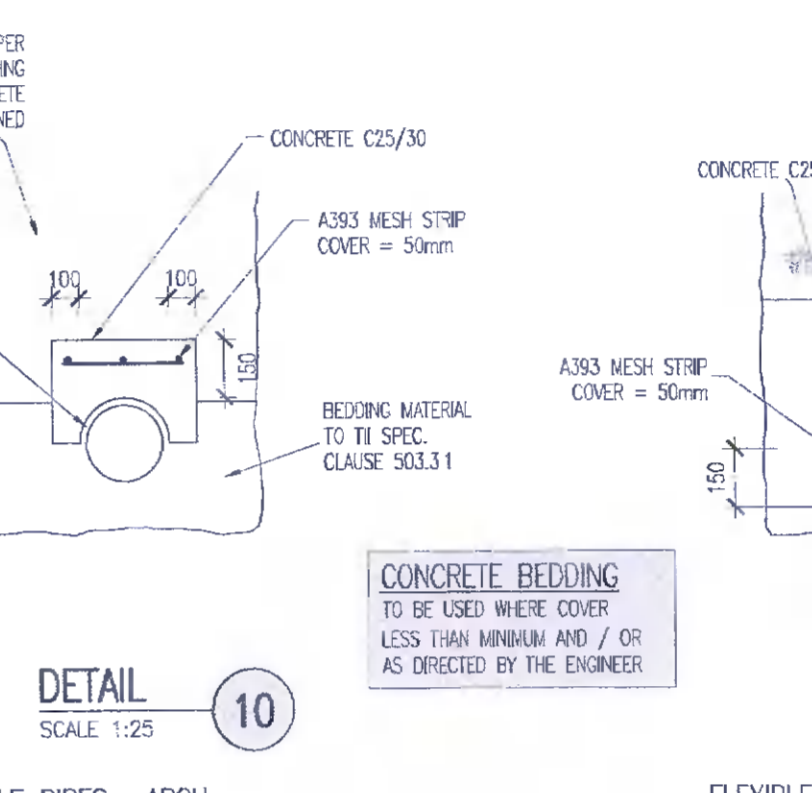
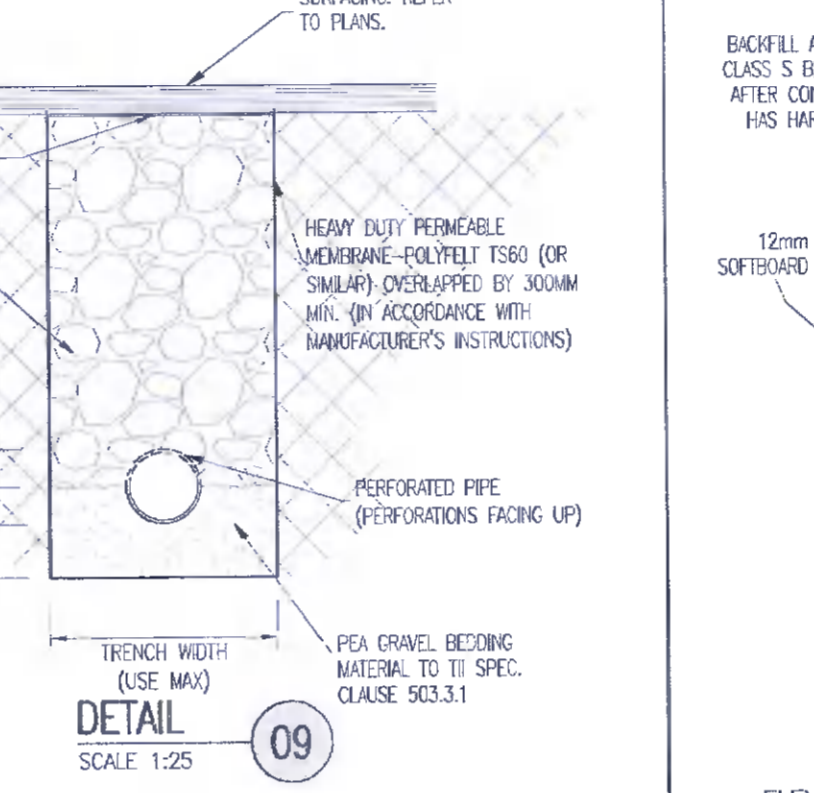
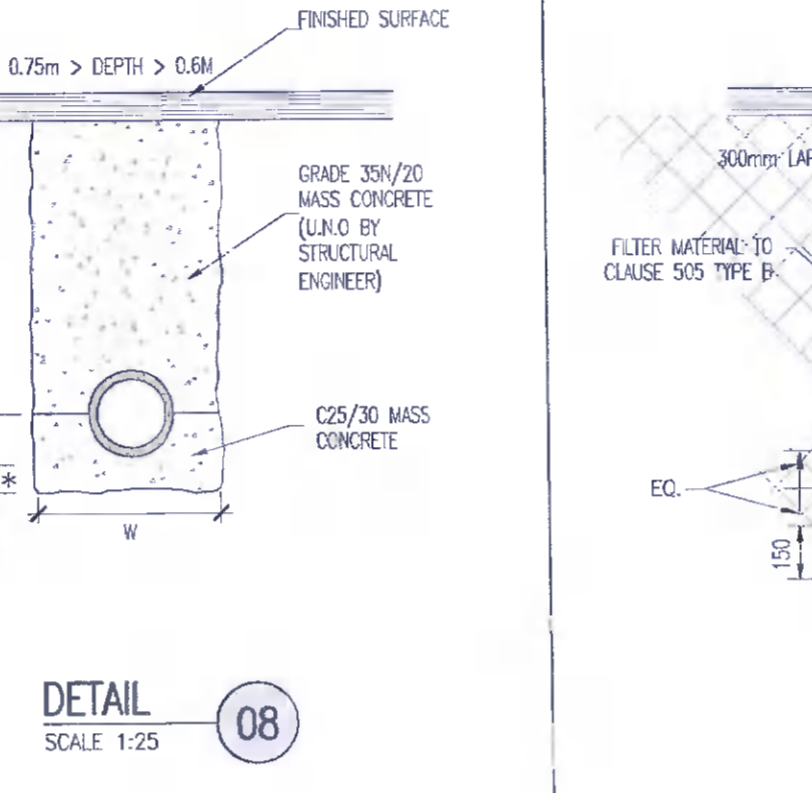
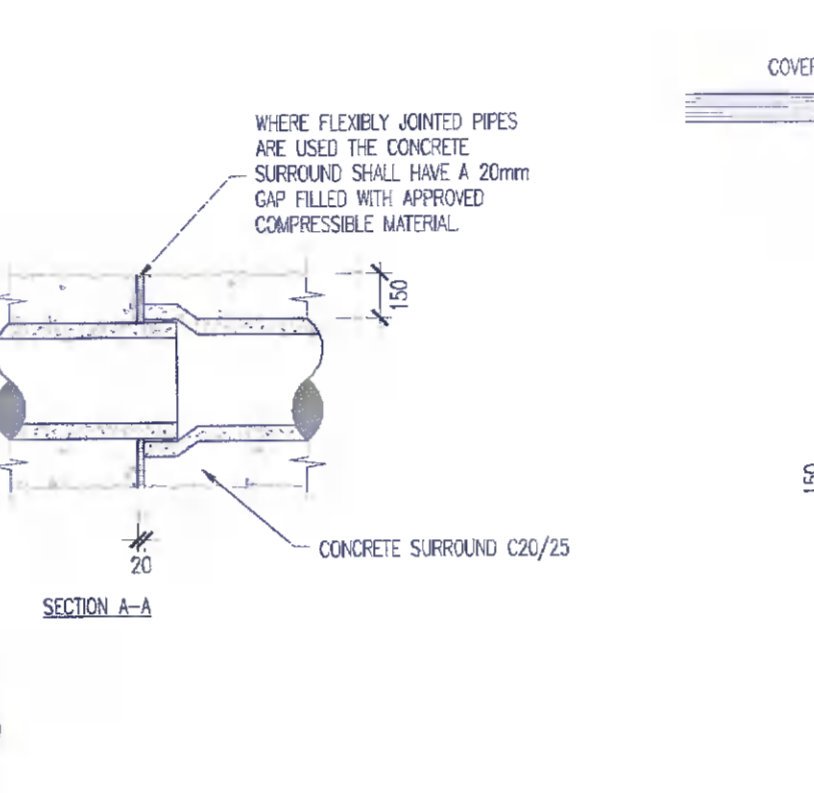
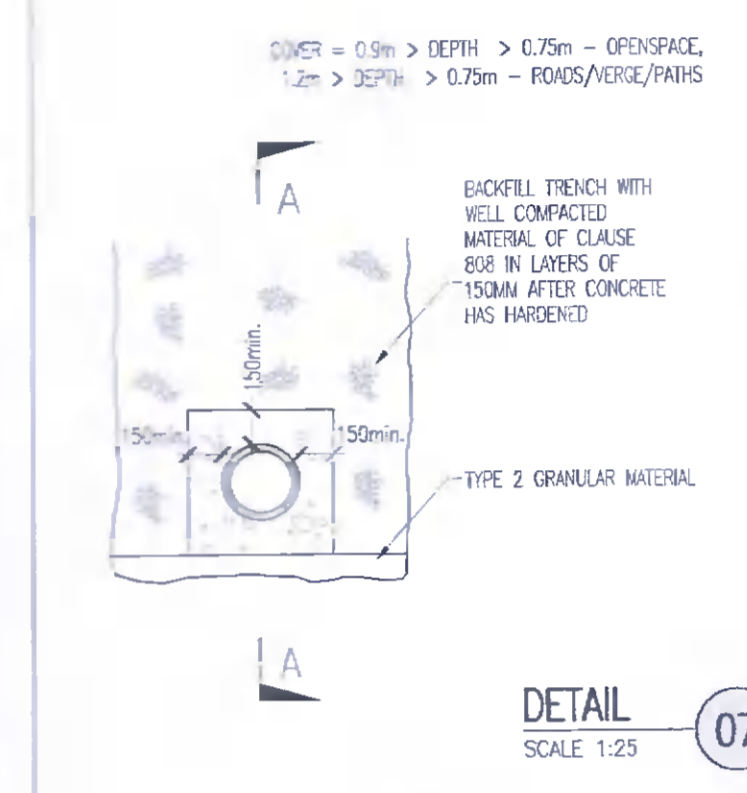
DETAIL 06 SCALE 1:25
BEDDING DETAIL ACROSS ROADWAYS - CLASS S

BEDDING FOR RIGID PIPES

BEDDING FOR FLEXIBLE PIPES

NOMINAL INTERVAL Ø (mm)	MINIMUM TRENCH WIDTH (mm)	MAXIMUM TRENCH WIDTH (mm)
100	450	650
150	500	700
225	600	800
300	700	900
375	800	1000
450	1050	1250
525	1150	1350
600	1250	1450
675	1350	1550
750	1450	1650
825	1550	1750
900	1650	1850
1050	2100	2300
1200	2300	2500

ABOVE 1200 OUTSIDE Ø OF PIPE PLUS 500mm OUTSIDE Ø OF PIPE PLUS 1000mm



DETAIL 07 SCALE 1:25
TRENCH DETAIL WITH LESS THAN 900mm COVER

DETAIL 08 SCALE 1:25
TRENCH DETAIL WITH LESS THAN 750mm COVER

DETAIL 09 SCALE 1:25
TYPICAL FILTER DRAIN DETAIL

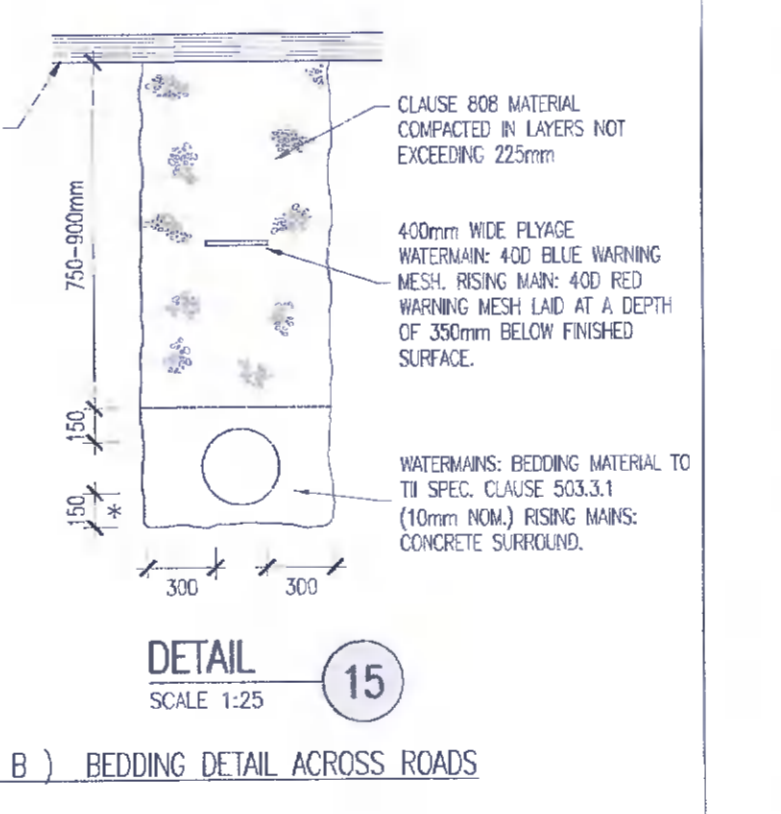
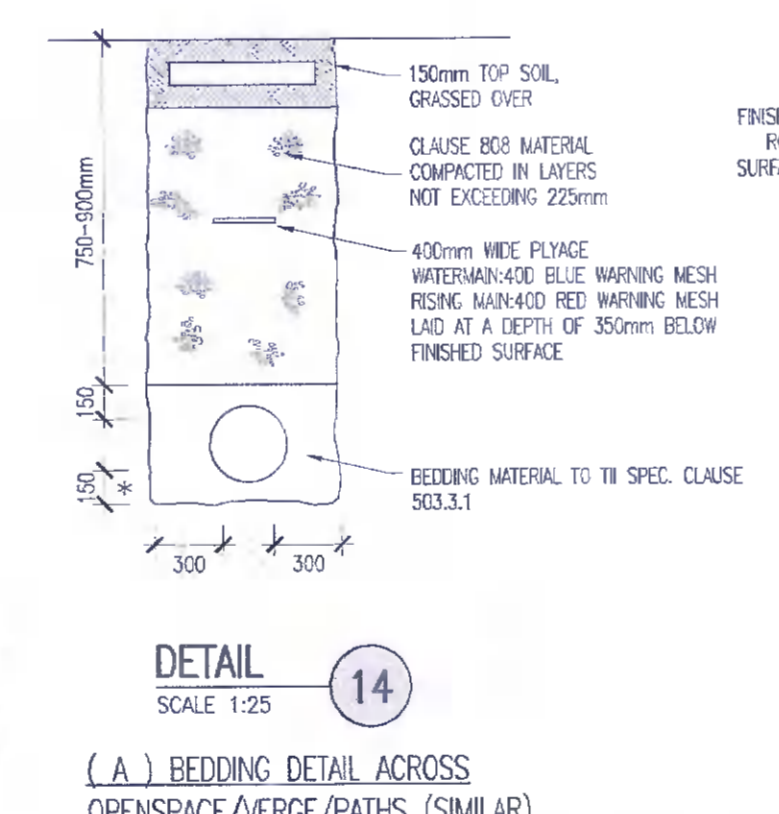
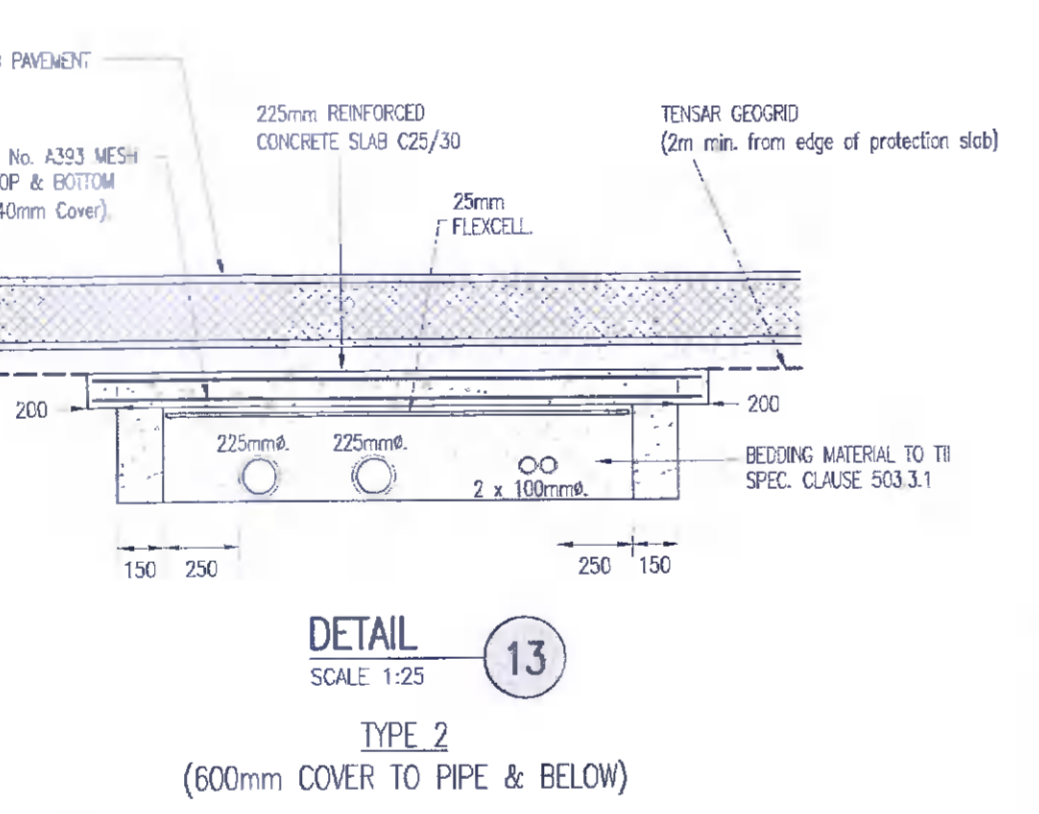
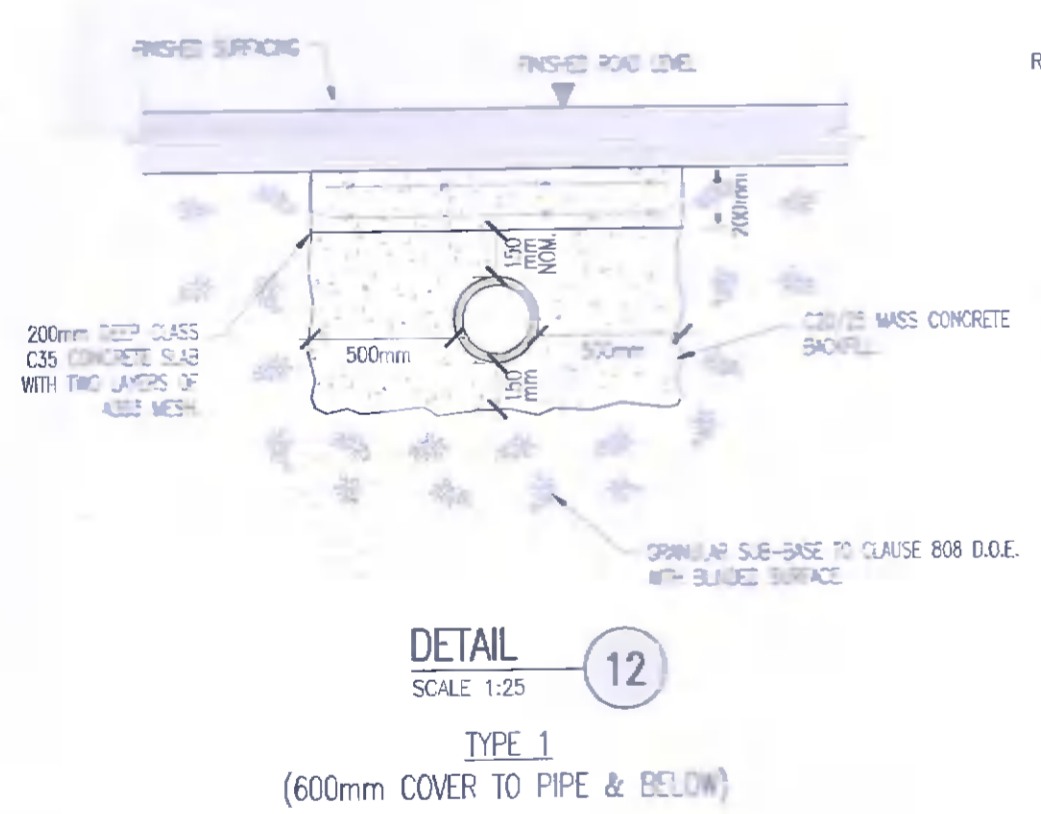
DETAIL 10 SCALE 1:25
FLEXIBLE PIPES: ARCH

DETAIL 11 SCALE 1:25
FLEXIBLE PIPES: CRADLE

BEDDING FOR RIGID AND FLEXIBLE PIPES WITH LIMITED COVER

TYPICAL FILTER DRAIN DETAIL

ALTERNATIVE BEDDING



DETAIL 12 SCALE 1:25
TYPE 1 (600mm COVER TO PIPE & BELOW)

DETAIL 13 SCALE 1:25
TYPE 2 (600mm COVER TO PIPE & BELOW)

DETAIL 14 SCALE 1:25
(A) BEDDING DETAIL ACROSS OPENSAPCE/VERGE/PATHS (SIMILAR)

DETAIL 15 SCALE 1:25
(B) BEDDING DETAIL ACROSS ROADS

TYPICAL SERVICES PROTECTION DETAIL

WATERMAIN/RISING MAIN BEDDING

NOTES: [FOR PERMANENT REINSTATEMENT]

A. FORM A SAW CUT 100mm DEEP AT A MIN. OF 100mm FROM SIDES OF EXCAVATION PRIOR TO PERMANENT REINSTATEMENT, WHERE ANY TRIM LINES ARE WITHIN 400mm OF ROAD EDGE, JOINT, OTHER REINSTATEMENT, OR IRONWORK, THE TRIM LINE SHOULD BE EXTENDED TO THE INTERFACE OF SUCH SITUATIONS.

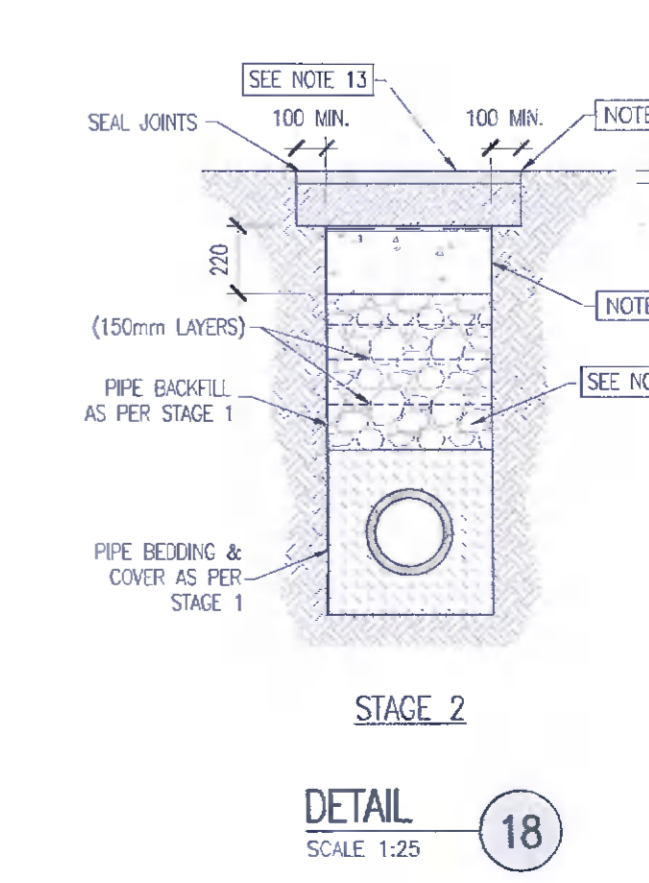
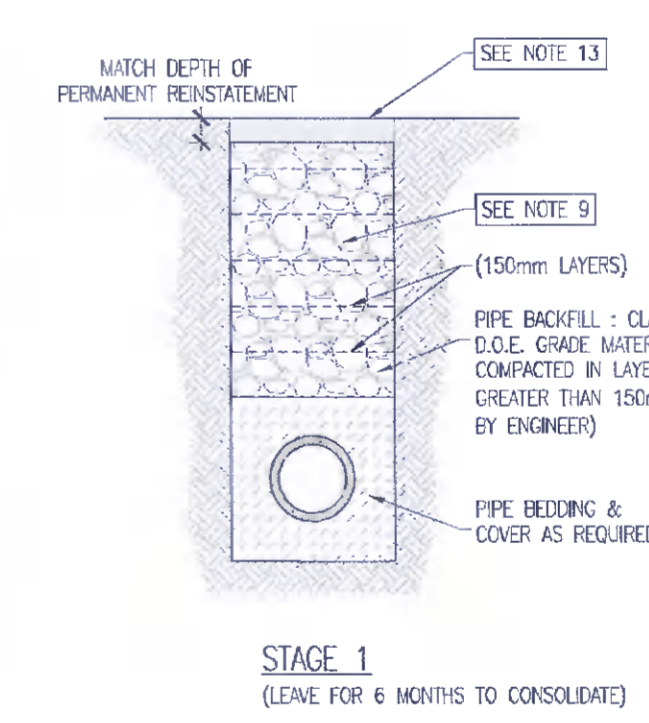
B. DIG OUT SURFACING & TOP 220mm OF C/LE8B MATERIAL & REPLACE WITH NEW WIDER SURFACING ON 220 LAYER OF LEAN-MIX CONCRETE.

C. LEAN-MIX SURFACE TO BE SPRAYED PER CLASS 920 (TI SPEC.) PRIOR TO APPLICATION OF BINDER COURSE MACADAM.

D. 100% HOT BITUMEN BINDER 50 PEN OR COLD THIXOTROPIC BITUMEN 50 - 70 PEN TO BE APPLIED TO ALL VERTICAL CUTS IN ACCORDANCE WITH B.S.554 PRIOR TO APPLICATION OF BITUMINOUS MATERIAL.

E. JOINTS SEALED WITH HOT BITUMEN AND TOPPED WITH FINE SAND / CRIT TO GET A MINIMUM 55 SHD RESISTANCE VALUE AS DETERMINED BY THE PORTABLE SHD RESISTANCE PENOMETER USED IN ACCORDANCE WITH ROAD NOTE 27 AND SHALL NOT EXCEED 3mm THICKNESS AND 25mm WIDTH.

TEMPORARY & PERMANENT REINSTATEMENT



STAGE 1 (LEAVE FOR 6 MONTHS TO CONSOLIDATE)

DETAIL 18 SCALE 1:25
REINSTATEMENT OF PIPE TRENCH IN EXISTING ROAD

NOTE: ALL WORKS & SPECIFICATIONS TO BE UNDERTAKEN IN ACCORDANCE WITH:

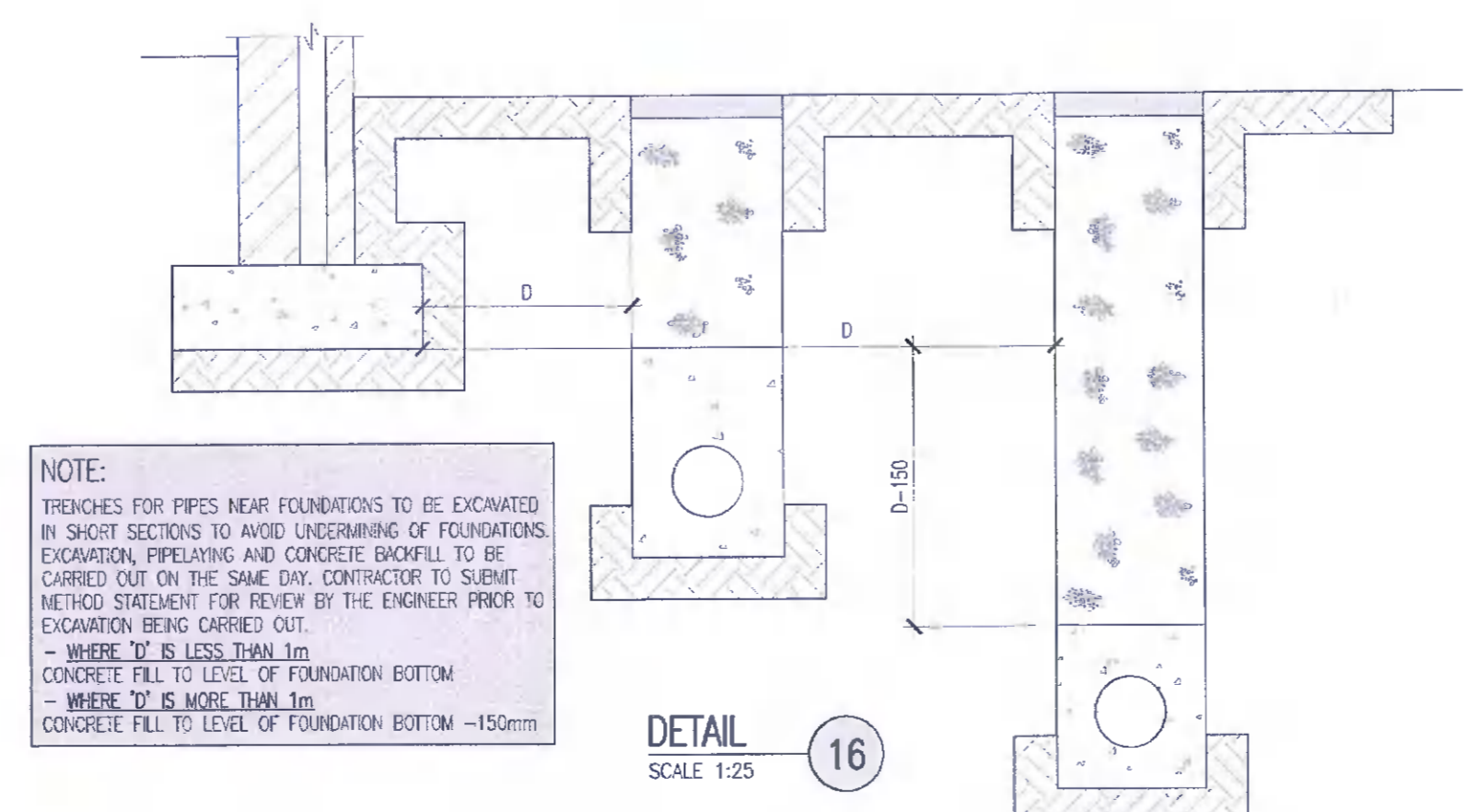
- TI SPECIFICATION FOR ROADWORKS
- RECOMMENDATIONS FOR SITE DEVELOPMENT WORKS

NOTE: FOR WATERMAIN DETAILS REFER TO IRISH WATER CONNECTION AGREEMENT & IRISH WATER/WATER INFRASTRUCTURE STANDARD DETAILS & CODE OF PRACTICE

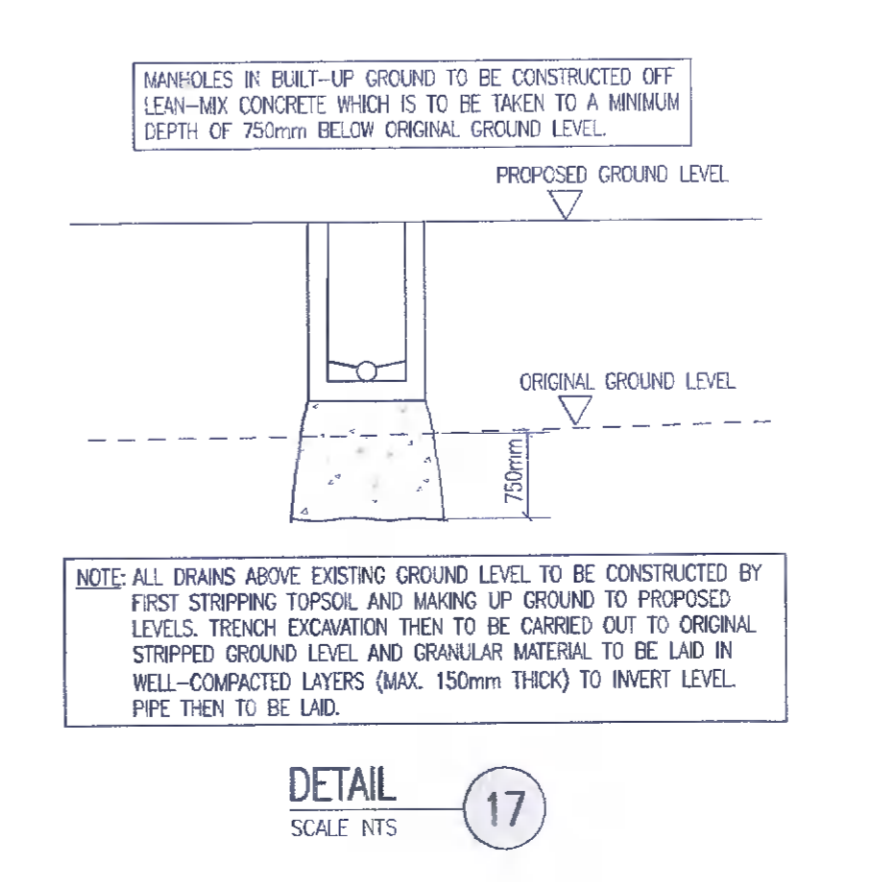
NOTE: FOR DETAILS OF FOUL SEWER MANHOLES REFER TO IRISH WATER CONNECTION AGREEMENT & IRISH WATER/WASTEWATER INFRASTRUCTURE STANDARD DETAILS & CODE OF PRACTICE

	LANDSCAPED AREAS	ROADWAYS/FOOTPATHS	NOTES
CONCRETE PIPE (>1.2m COVER)	1,3	2,4	A, DETAIL 4 NOT ACCEPTABLE IN OCC AREA
CONCRETE PIPE (1.2m > D > 0.9m)	1,3	7	A
CONCRETE PIPE (0.9m > D > 0.75m)	7	7	A
CONCRETE PIPE (0.75m > D > 0.60m)	8	8	A
CONCRETE PIPE (0.6m > D > 0.45m)	12,13	12,13	C
FLEXIBLE PIPE (>1.2m COVER)	5	6	B
FLEXIBLE PIPE (1.2m > D > 0.9m)	5	7	B
FLEXIBLE PIPE (0.9m > D > 0.75m)	7	7	B
FLEXIBLE PIPE (0.75m > D > 0.6m)	8	8	B
FLEXIBLE PIPE (0.6m > D > 0.45m)	12,13	12,13	B, C
WATERMANS (D > 0.75m)	14	15	A
RISING MAIN (D > 0.75m)	14	15	A
REINSTATEMENT OF PIPES IN EXISTING ROADS	14,14	18	A

NOTES: A. APPLIES THROUGHOUT CC&S AUTHORITY REGIONS B. APPLIES THROUGHOUT CC&S AUTHORITY REGIONS EXCEPT DCC C. AGREEMENT FROM AUTHORITY REQUIRED



DETAIL 16 SCALE 1:25
CONCRETE PIPE LAID NEAR FOUNDATIONS



DETAIL 17 SCALE 1:25
DRAINS IN BUILT-UP GROUND

FD1	31/03/22	ISSUED FOR PLANNING	K/LE	RTM
rev	date	description	by	chkd
		A - Approved		
		B - Approved with comments		
		C - Do not use		
client approval				
submittal		Issue purpose		
S2 - INFORMATION		PLANNING		

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projected: **WAREHOUSING / LOGISTICS & OFFICES AT CALMOUNT ROAD, BALLYMOUNT**

drawing title: **SURFACE WATER STANDARD DETAILS - SHEET 2**

client: **BLACKWIN LIMITED**

designed by: author scale: sheet size: A1
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