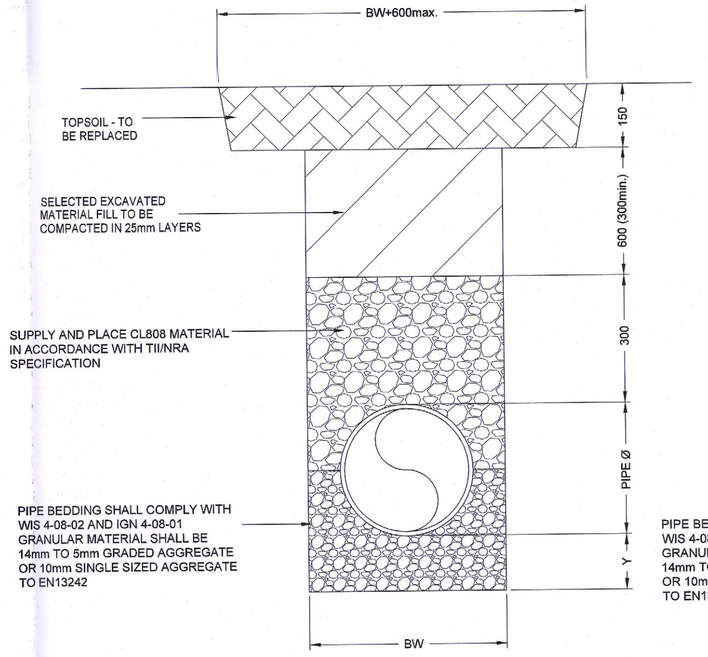
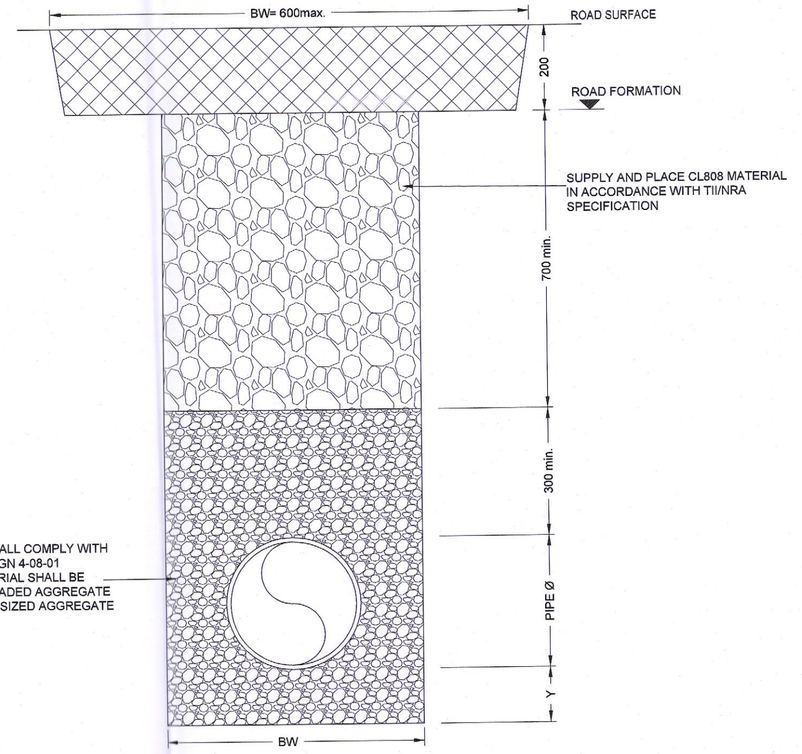


DETAIL DG 1 - FOR FOUL SEWAGE & SURFACE WATER UNDER LANDSCAPED AREAS

scale 1:10



DETAIL DG 2 - FOUL AND SURFACE WATER UNDER ROADWAY

scale 1:10

GENERAL NOTES

1. ROCK IN TRENCHES SHALL BE EXCAVATED AND TRIMMED TO UNDERSIDE LEVEL OF PIPE BED
2. GRANULAR MATERIAL CLASS 'B' TO BE USED FOR BEDDING AND HAUNCHING
3. CONCRETE MIX C25/20 TO BE USED FOR BEDDING, HAUNCHING AND SURROUND
4. SEE TABLE 'A' FOR CONCRETE BED WIDTHS
5. WHERE FLEXIBLE JOINTS ARE USED, VERTICAL MOVEMENT JOINTS SHALL BE PROVIDED IN THE BED AT MAX INTERVALS OF 5M AND ALIGNED WITH THE FACE OF PIPE SOCKET. JOINTS TO BE 12mm WIDE AND FILLED WITH FLEXCELL OR SIMILAR IN THE CONCRETE BED AND SURROUND.
6. GRANULAR BEDS TO DRAINS SEE TABLE 'B'.
7. IF COVER TO PIPE IS LESS THAN 1.2M IN ROADS AND DRIVEWAYS 0.9M IN OPEN SPACES AND PATHS NOT NEAR CARRIAGEWAYS SURFACE WATER AND FOUL DRAINS SHALL BE SURROUNDED BY 150 THK C25 CONCRETE
8. ALL CONCRETE TO BE MIX C25.
9. WHERE PVC PIPES ARE ENCASED IN CONCRETE, THEY SHALL BE FIRST WRAPPED IN VISQUEEN 1000.
10. ALL SERVICES TO HAVE MARKER TAPE LAID OVER FULL WIDTH OF SERVICE MINIMUM 400mm BELOW FINISHED SURFACE LEVEL.

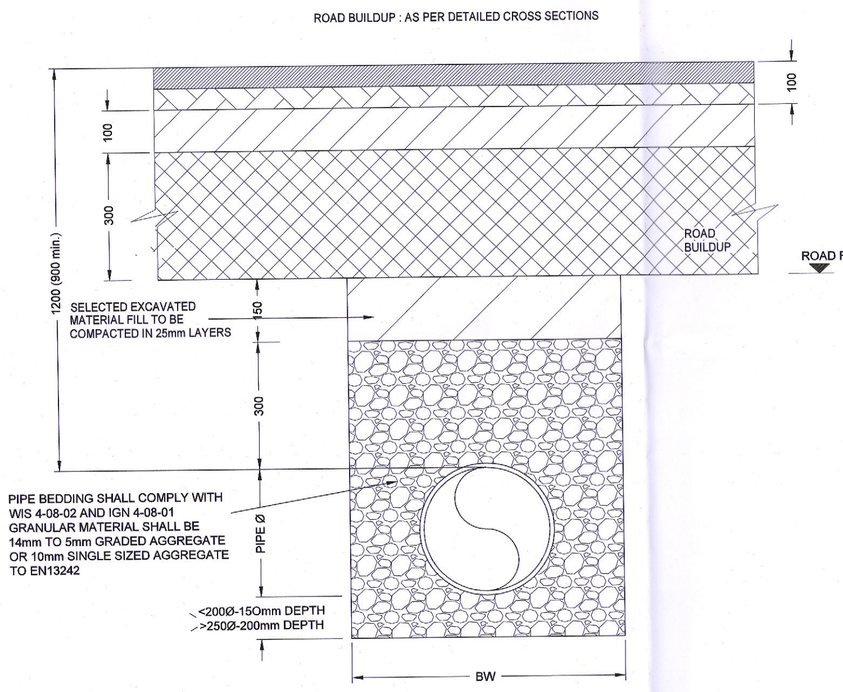
TRENCH: MINIMUM WIDTH TO BE PIPE Ø +300mm
MAXIMUM WIDTH TO BE PIPE Ø + 600mm

WATERMAIN:

1. MINIMUM DEPTH FROM GROUND LEVEL TO TOP OF BARREL SHALL BE 900mm (1200mm typically) FOR WATERMAINS AND 600mm FOR SERVICE CONNECTIONS.
2. WHERE WATERMAIN IS IN ROCK, THE ROCK SHALL BE EXCAVATED AND TRIMMED TO A DEPTH OF 100mm BELOW PIPE. LAYER OF SELECTED FILL SHALL BE 125mm TO ALLOW PIPE TO BE WORKED INTO TRUE LINE.
3. WHERE WATERMAIN COVER IS LESS THAN 0.9m TRENCH BACKFILL AND REINSTATEMENT SHALL COMPLY WITH IRISH WATER STANDARD DETAIL NO. STD-W-13.
4. THE CONTRACTOR IS TO ENSURE THAT ALL TRENCHES ARE SUPPORTED TO HEALTH AND SAFETY GUIDELINES. PROVIDE DRAW WIRES WITH 150mm END RODS TO ALL DUCTS.

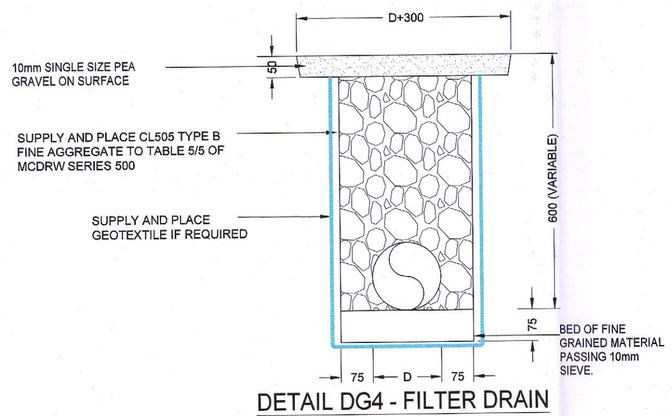
DRAWING IS PRODUCED USING THE IRISH TRANSVERSE MERCATOR (ITM) GEOGRAPHIC COORDINATE SYSTEM

A1



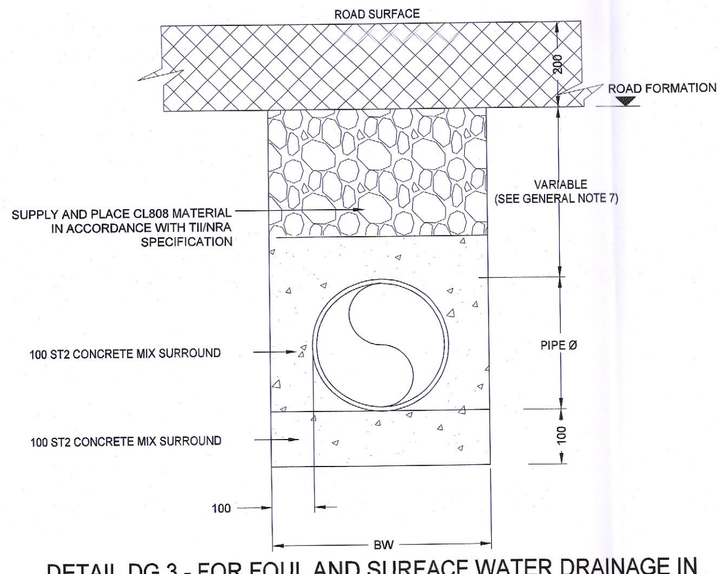
TYPICAL DETAIL WATERMAIN

scale 1:10



DETAIL DG4 - FILTER DRAIN

scale 1:10



DETAIL DG 3 - FOR FOUL AND SURFACE WATER DRAINAGE IN ROADWAYS WITH CONCRETE SURROUND

scale 1:10

TABLE 'A'				
CONCRETE BED - CLASS B FOR CONCRETE SEWER PIPES				
PIPE Ø	OUTSIDE Ø	BW BED WIDTH	Y-BED THK.NESS IN UNIFORM SOIL	Y-BED THK.NESS IN ROCK
150	215	600	100	200
225	330	700	100	200
300	400	750	100	200
375	560	1000	100	200
450	635	1100	110	200
525	710	1200	120	200
600	800	1200	130	200
750	970	1500	160	240
900	1160	1950	190	290
1050	1320	2100	220	330
1200	1475	2300	245	370
1350	1690	2400	280	420
1500	1745	2600	290	435
Y = 1/6 BC OR 100mm MIN.(UNIFORM SOIL) Y = 1/4 BC OR 200mm MIN.(TRENCH IN ROCK)				

Rev	Description	Drawn	Checked	Date
P02	PLANNING ISSUE	LT	CD	14/07/22
P01	DRAFT PLANNING	LT	CD	21/06/22

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Project: K2 DATACENTRE

Dwg. Title: PROPOSED STANDARD TRENCH DETAILS

Drawn By	Date	
LT	09/05/22	22_043
Checked By	Scale	CSEA Job No.
CD	AS SHOWN@ A1	

Project Code	Originator	Zone/ Phase	Level	Type	Role	Dwg. No.
22_043	CSE	00	XX	DR	C	2910

S0 — Status Code — WORK IN PROGRESS (Suitability Description)

P02 — Revision — PRELIMINARY (Project Status)