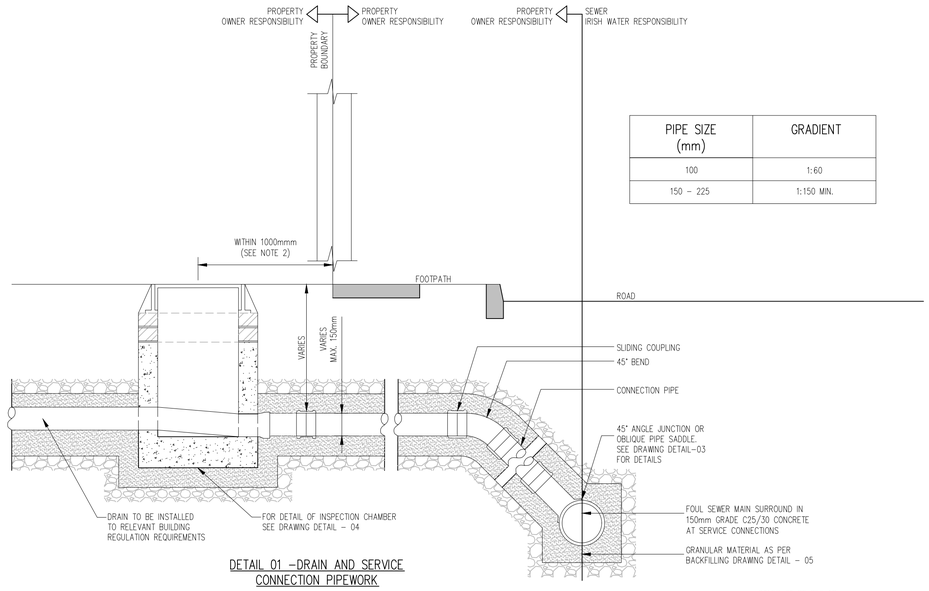
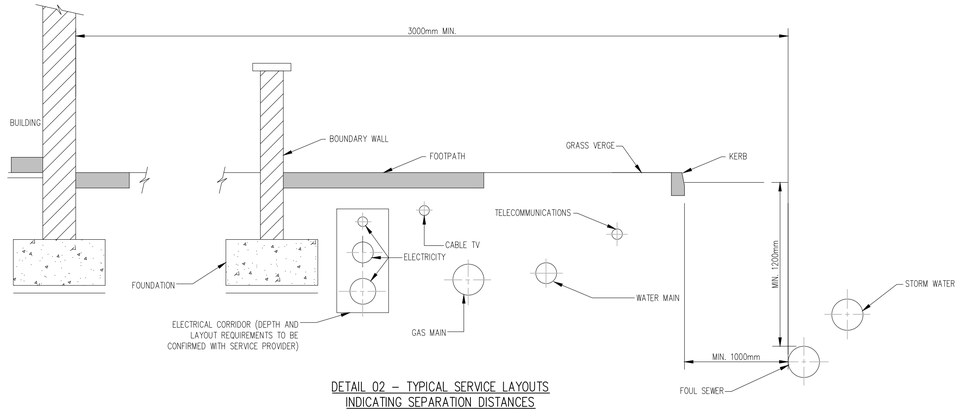


DETAIL 01 –DRAIN AND SERVICE CONNECTION PIPEWORK

PIPE SIZE (mm)	GRADIENT
100	1:60
150 – 225	1:150 MIN.



DETAIL 02 – TYPICAL SERVICE LAYOUTS INDICATING SEPARATION DISTANCES

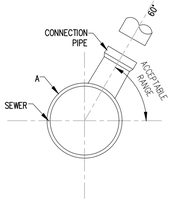
NOTES

GENERAL

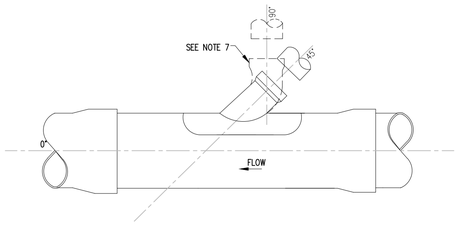
1.) THESE DRAWINGS TO BE READ IN CONJUNCTION WITH ALL RELEVANT HAYES HIGGINS ENGINEERING DRAWINGS AND SPECIFICATIONS.

2.) DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.

3.) FOUL WATER/WASTE WATER TO CURRENT IRISH WATER SPECIFICATION AND DETAILS (IW-CDS-5030-01).

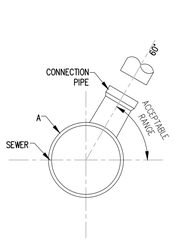


CROSS-SECTIONAL VIEW OF SEWER

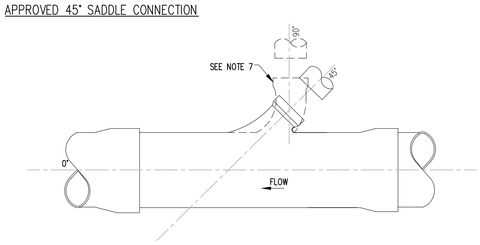


VIEW IN DIRECTION OF ARROW A

APPROVED 45° SADDLE CONNECTION



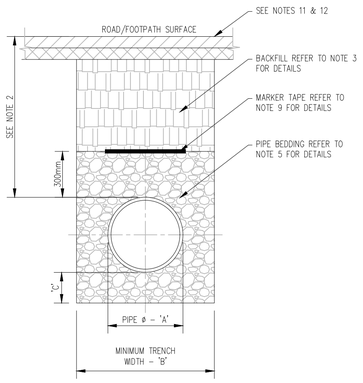
CROSS-SECTIONAL VIEW OF SEWER



VIEW IN DIRECTION OF ARROW A

45° JUNCTION

DETAIL 03 – TYPICAL SEWER/SERVICE PIPE CONNECTION

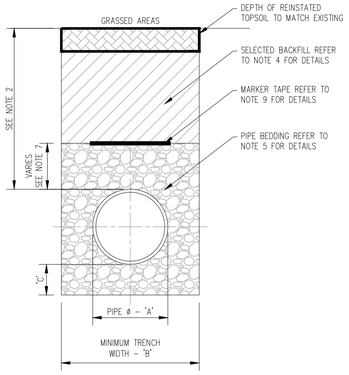


CROSS SECTION IN ROADS

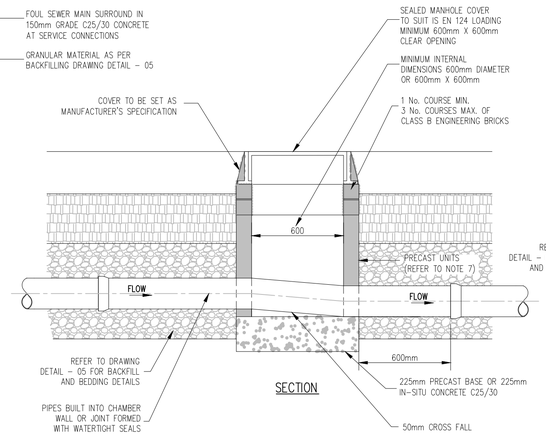
PIPE DIAMETER 'A' (mm)	DEPTH OF BEDDING 'C' (mm)
≤ 100	100
150 – 450	200

PIPE DIAMETER 'A' (mm)	TRENCH WIDTH 'B' (mm)
≤ 80 RISING MAIN	SEE NOTE 10.
100	500
150	600
200	600
250	750
300	750
350	750
400	900
450	900

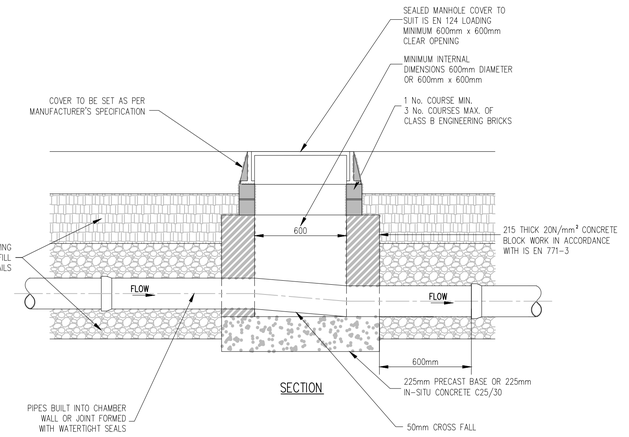
DETAIL 05 – TRENCH BACKFILL AND BEDDING



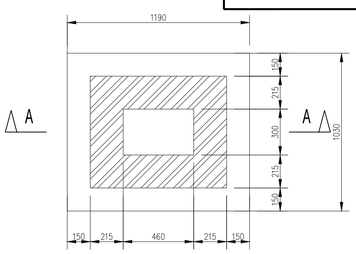
CROSS SECTION IN GRASSED AREAS

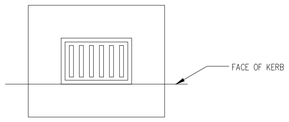


SECTION

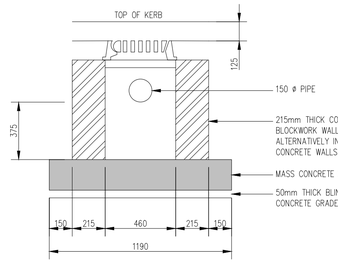


SECTION



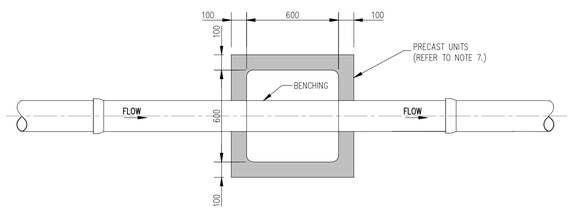


BASE AND SURFACE PLANS

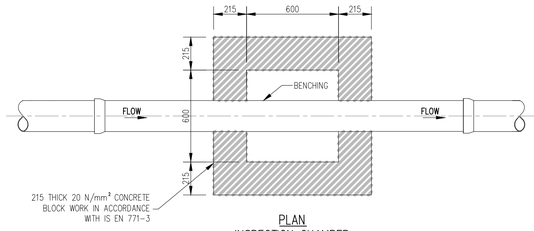


SECTION A–A

ROAD GULLY

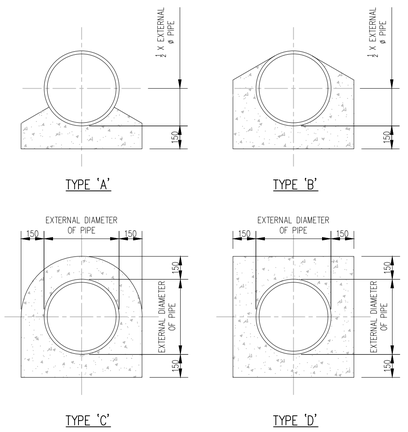


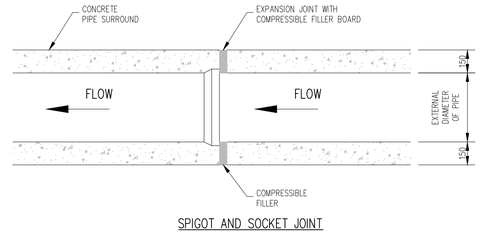
PLAN
INSPECTION CHAMBER
(PRECAST CONCRETE CONSTRUCTION)



PLAN
INSPECTION CHAMBER
(BLOCKWORK CONSTRUCTION)

DETAIL 04 – PRIVATE SIDE INSPECTION CHAMBER





SPIGOT AND SOCKET JOINT

DETAIL 06 –CONCRETE BED, HAUNCH AND SURROUND TO WASTEWATER PIPES
SCALE 1:20

REV	DATE	DESCRIPTION	DWG BY	APPR. BY
P	10.08.23	ISSUED FOR PLANNING	FS	LM

ISSUED
PLANNING

CLIENT
SOPHIA HOUSING

PROJECT NAME
ST JOHN'S CONVENT
RATHANGAN

DRAWING NAME
IRISH WATER FOUL & SURFACE DRAINAGE DETAILS SHEET 1 OF 4

PROJECT No.
20D004

DRAWING No.	REVISION
03A	P

SCALE	DRAWN DATE
AS SHOWN	10.08.23

CAD DRAWN BY	CHECKED BY	APPROVED BY
F.S.	L.M.	D.H.

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