

PLAN
SCALE 1:25

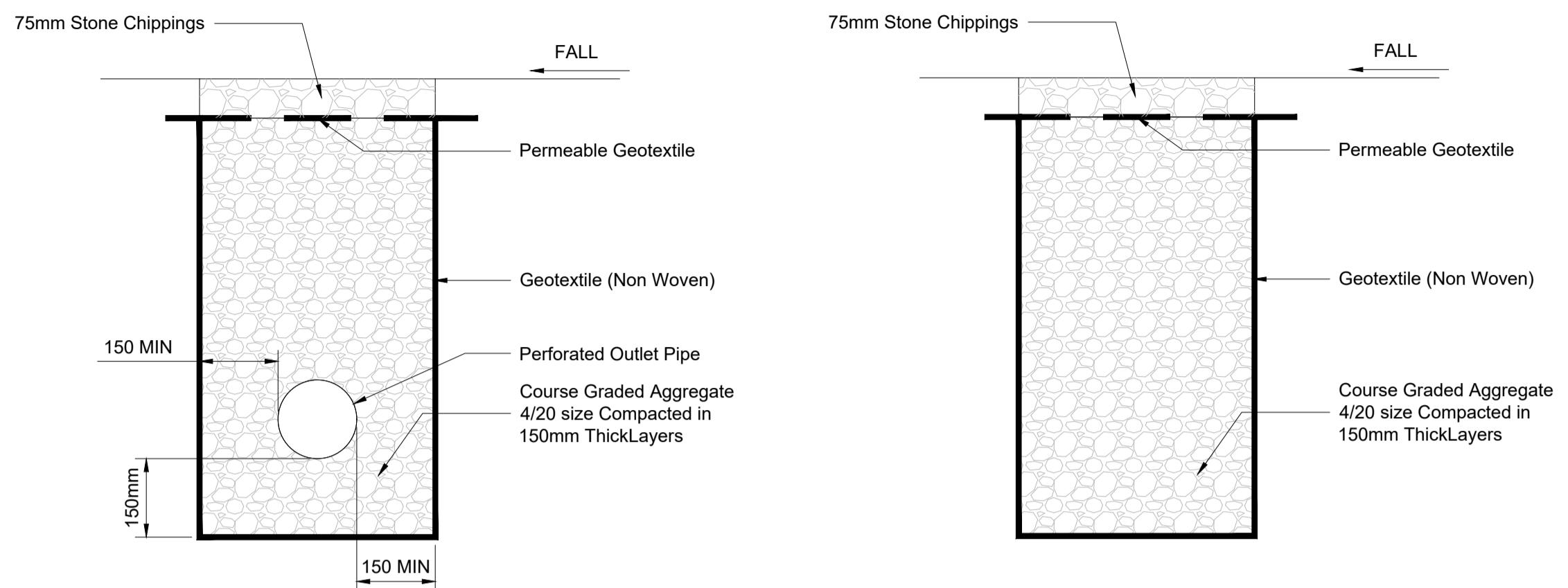
COVER AND FRAME TO BE:
a) SQUARE DUCTILE IRON WITH 600 mm CLEAR O.P.E. CLASS D400 TO IS EN124 BEHIND CARRIAGEWAYS, DRIVEWAYS AND FOOTWAYS.
b) SQUARE DUCTILE IRON WITH 600 mm CLEAR O.P.E. CLASS B125 TO IS EN124 BEHIND GRASSED AREAS.

TABLE 1				
DEPTH FROM SOFFIT TO COVER LEVEL (m)	DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	PIPE ROCKER LENGTH (mm)	MINIMUM INTERNAL DIAMETER (mm)	MINIMUM ACCESS O.P.E (mm)
1.0 - 3.0	≤ 150	500 - 750	1000	600 Ø
1.0 - 3.0	225	500 - 750	1200	750 Ø
1.0 - 3.0	300	500 - 750	1200	750 Ø
1.0 - 3.0	375 - 450	750 - 1000	1350	750 Ø
1.0 - 3.0	> 450			SEEK GUIDANCE

NOTES:

- LARGER INTERNAL DIAMETER MAY BE REQUIRED WHERE SPECIFIC MAINTENANCE REQUIREMENTS DEEM IT NECESSARY
- LARGER OPENING SIZE IS REQUIRED FOR MANHOLES AT SHALLOWER DEPTHS TO PERMIT STANDING/CRUCHING.
- CHAMBER COVERS AND FRAME TO BE CIRCULAR DUCTILE IRON AND :

A. CLASS D400 TO I.S. EN 124:1994 BEHIND CARRIAGEWAYS, DRIVEWAYS AND FOOTWAYS.
B. CLASS D250 TO I.S. EN 124:1994 BEHIND GRASSED AREAS.

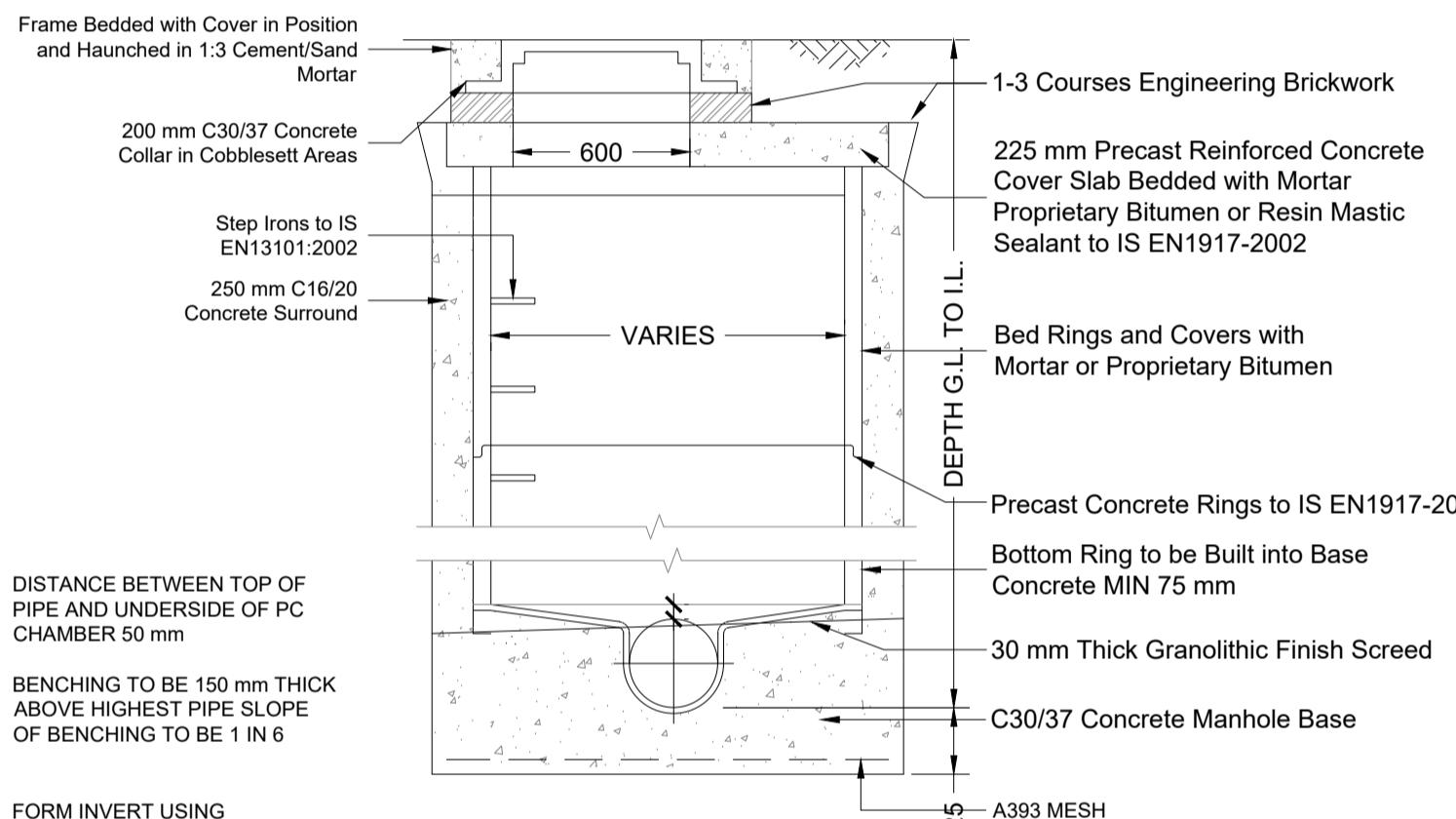


FILTER DRAIN SECTION DETAIL

Scale 1:10

INFILTRATION TRENCH SECTION DETAIL

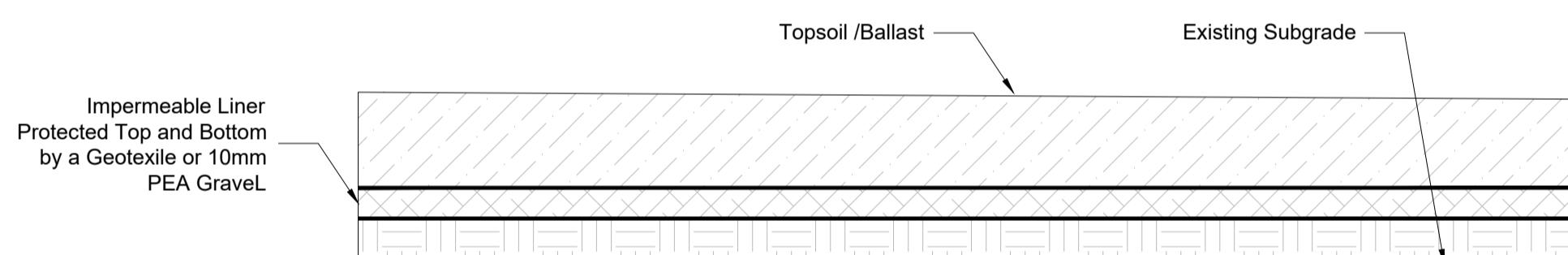
Scale 1:10



SECTION A-A

TYPICAL PRECAST RING MANHOLE, DEPTH TO SOFFIT 0-3 m

Scale 1:25



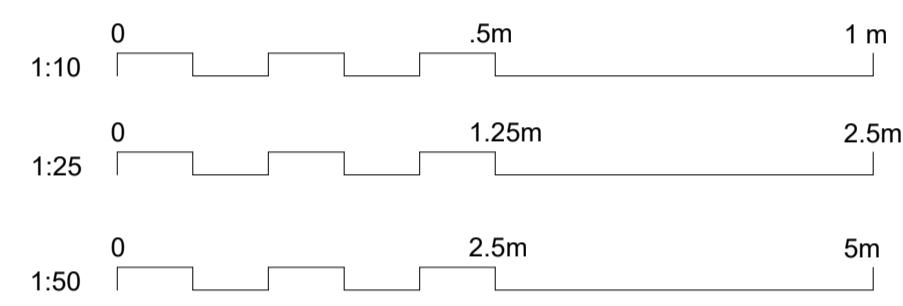
ATTENUATION BASIN IMPERMEABLE LINER DETAIL

SCALE 1:10

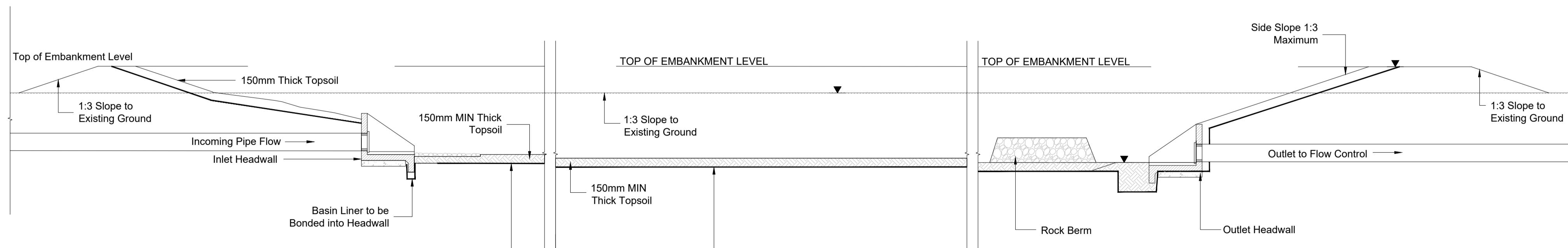
Notes

- For planning purposes only. Not for construction.
- All dimensions are in metres unless otherwise noted.

Key to symbols



Reference drawings



TYPICAL ATTENUATION BASIN CROSS-SECTION

SCALE 1:50

©

Mott MacDonald Ireland
This document is issued for the party which commissioned it and for specific purposes connected with the captioned project only. It should not be relied upon by any other party or used for any other purpose.
We accept no responsibility for the consequences of this document being relied upon by any other party, or being used for any other purpose, or containing any error or omission which is due to an error or omission in data supplied to us by other parties.

PL1	12/12/2025	M.O.F.	Issued for Planning	GR	NR
Rev	Date	Drawn	Description	Ch'k'd	App'd

M
MOTT
MACDONALD

South Block
Rockfield
Dundrum
Dublin 16
Ireland
T +353 (0)1 291 6700
F
W www.mottmac.com

Client



Title
Walterstown 110 kV Substation
Typical Drainage Details
Sheet 1

Designed	C. Godor	Eng check	R. McGowan	
Drawn	C. Godor	Coordination	A. Sethi	
Dwg check	R. McGowan	Approved	N. Roche	
Scale at A1	Status	Rev	PL1	Security
As Shown	PRE	As Shown	PL1	STD

Drawing Number
229101684-MMD-00-XX-DR-D-0200