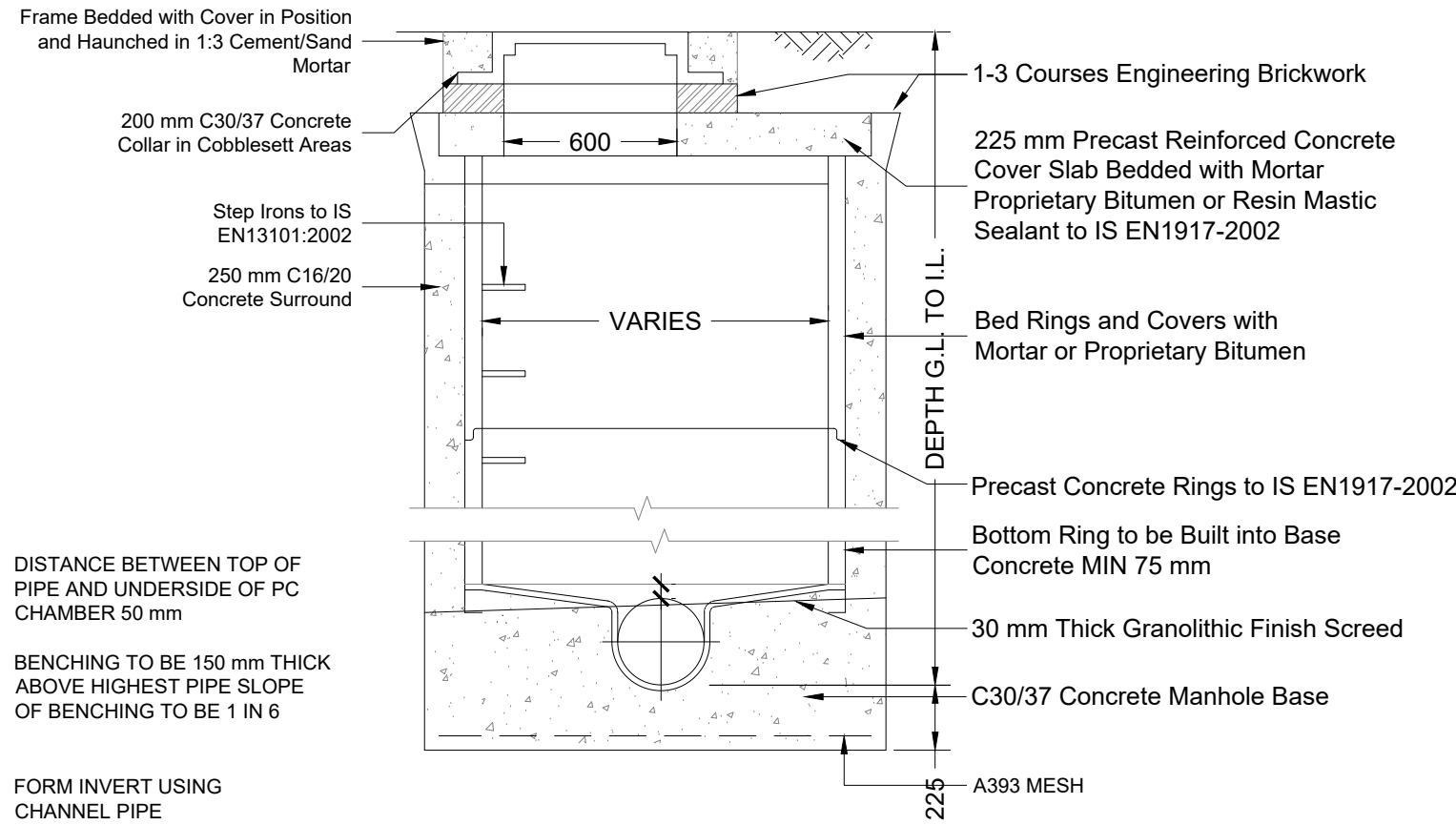


PLAN
SCALE 1:25

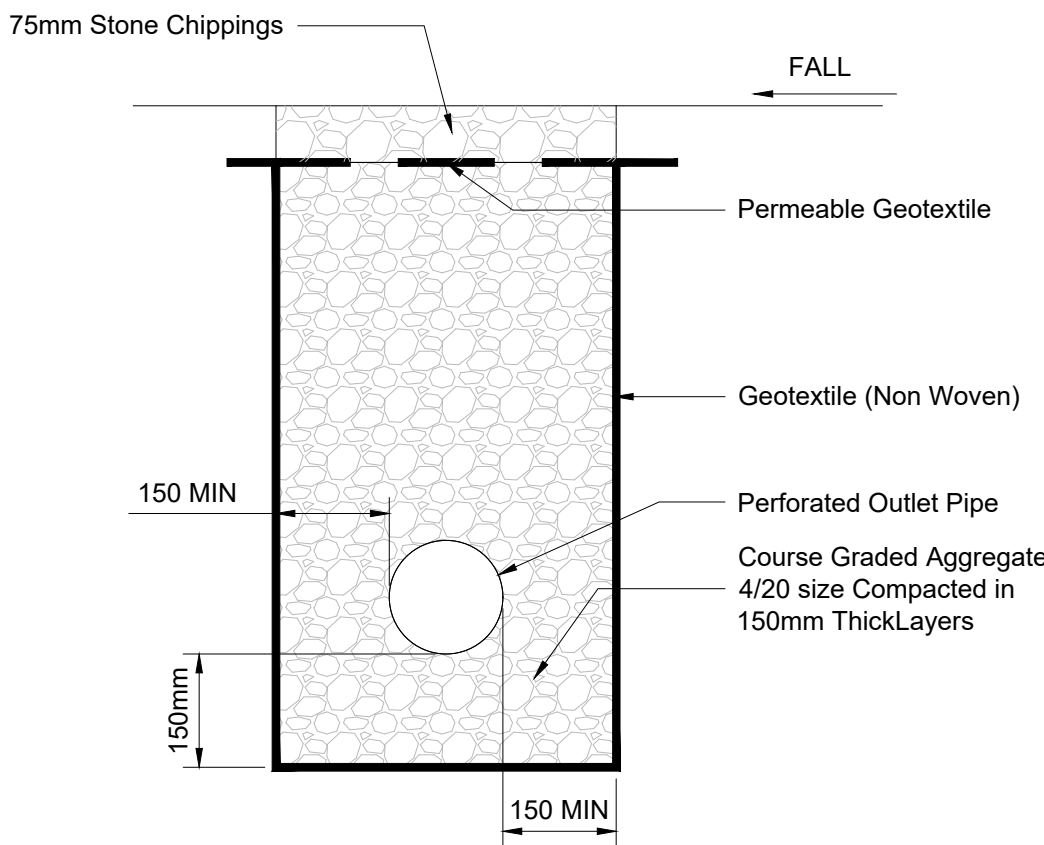
COVER AND FRAME TO BE:
a) SQUARE DUCTILE IRON WITH 600 mm CLEAR OPE. CLASS D400 TO IS EN124 BENEATH TRAFFICKED AREAS (E.G. DRIVEWAYS AND FOOTPATHS).
b) SQUARE DUCTILE IRON WITH 600 mm CLEAR OPE. CLASS B125 TO IS EN124 BENEATH GRASSED AREAS.

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 OPE (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:				
<ul style="list-style-type: none">• 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/CROUCHING.• CHAMBER COVERS AND FRAME TO BE CIRCULAR DUCTILE IRON AND :				
A. CLASS D400 TO I.S. EN 124:1994 BENEATH TRAFFICKED AREAS (E.G. CARRIAGEWAYS, DRIVEWAYS AND FOOTPATHS).				
B. CLASS D250 TO I.S. EN 124:1994 BENEATH GRASSED AREAS.				

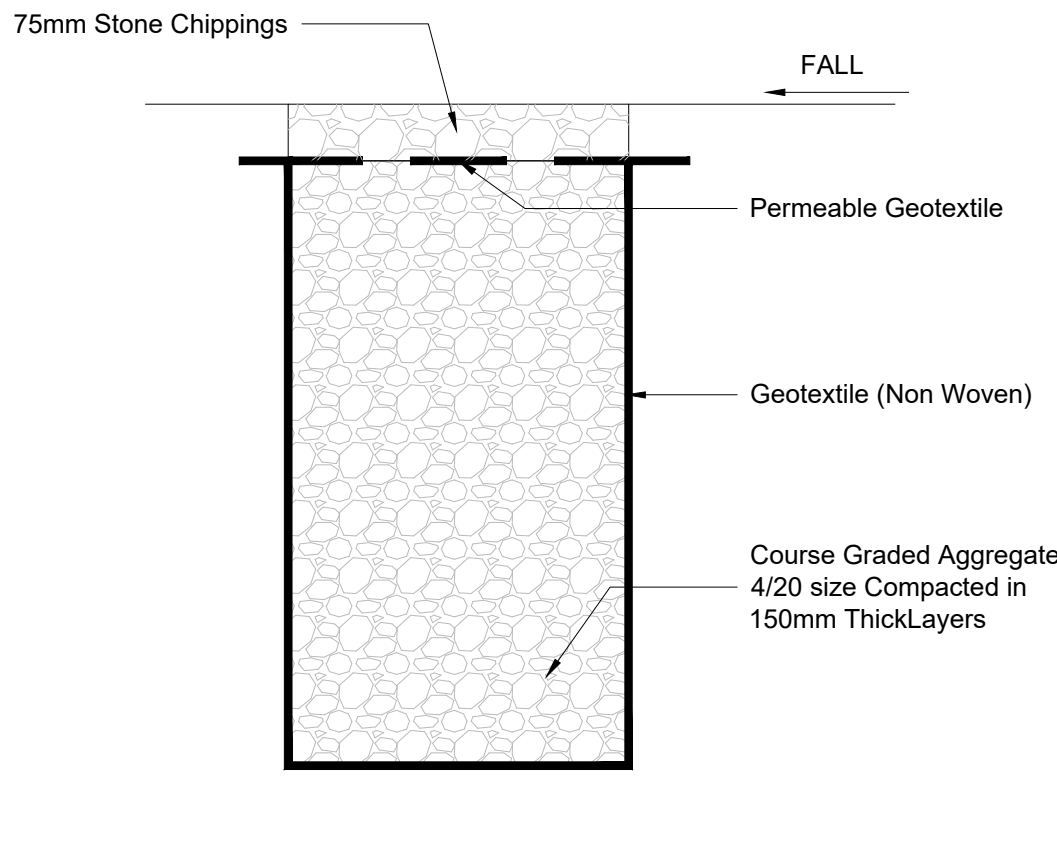


SECTION A-A

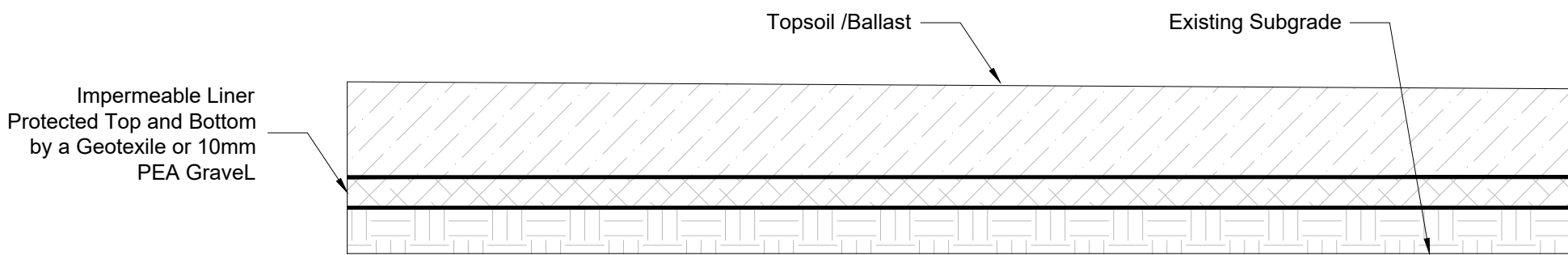
TYPICAL PRECAST RING MANHOLE, DEPTH TO SOFFIT 0-3 m
Scale 1:25



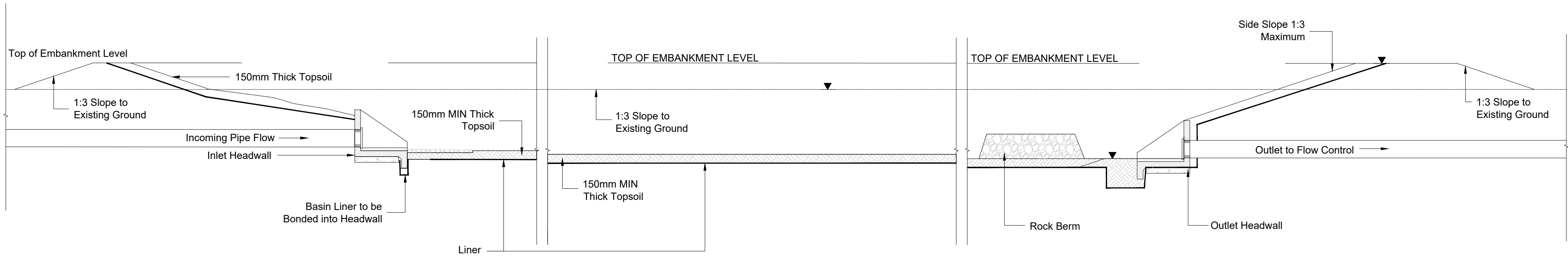
FILTER DRAIN SECTION DETAIL
Scale 1:10



INFILTRATION TRENCH SECTION DETAIL
Scale 1:10



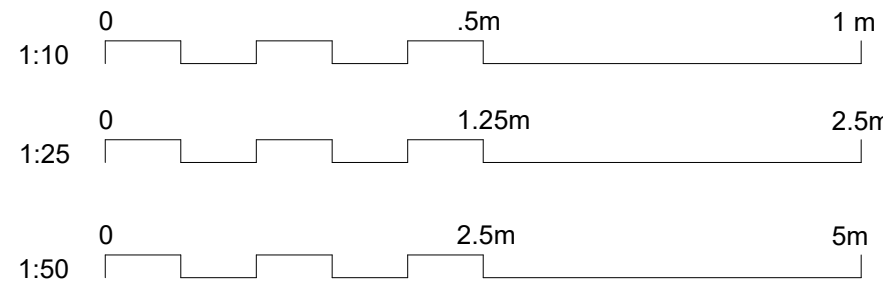
ATTENUATION BASIN IMPERMEABLE LINER DETAIL
SCALE 1:10



TYPICAL ATTENUATION BASIN
CROSS-SECTION
SCALE 1:50

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

Key to symbols



Reference drawings

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

M

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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 As Shown	Status PRE	Rev PL1	Security STD
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Drawing Number
229101684-MMD-00-XX-DR-D-0200