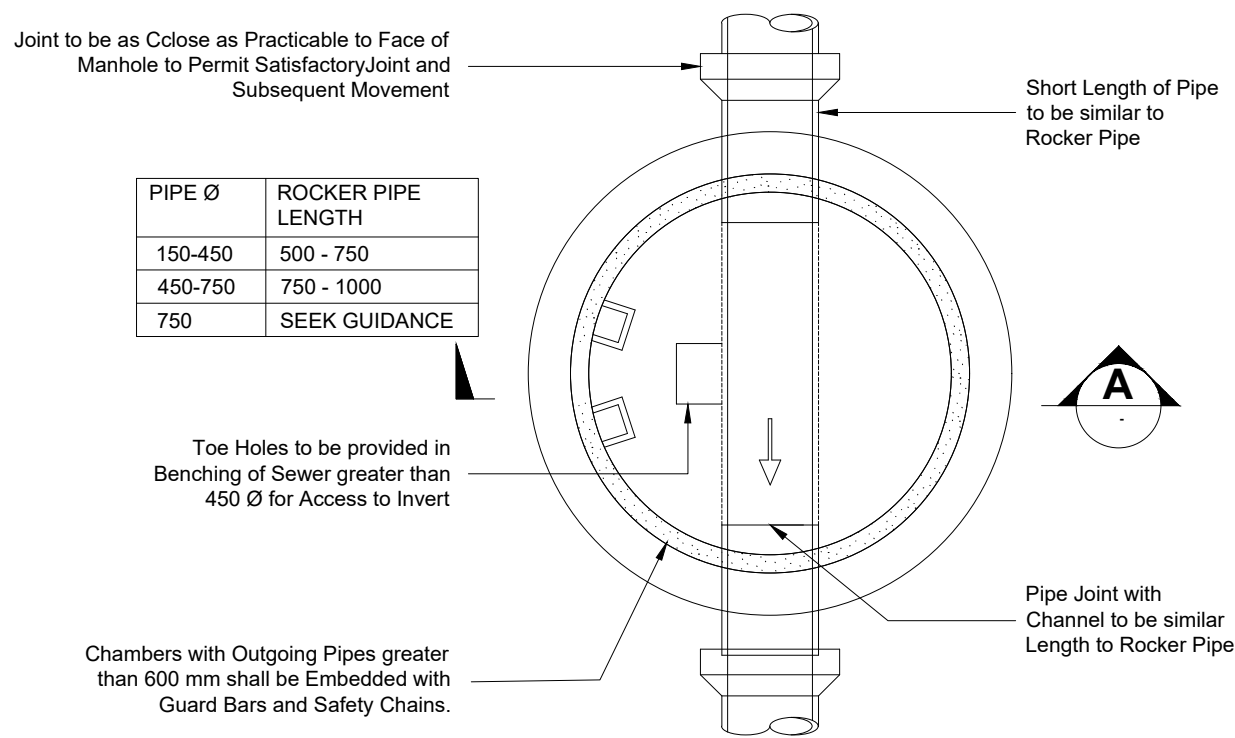




PLAN  
SCALE 1:25

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 FOOTWAYS).  
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:

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.

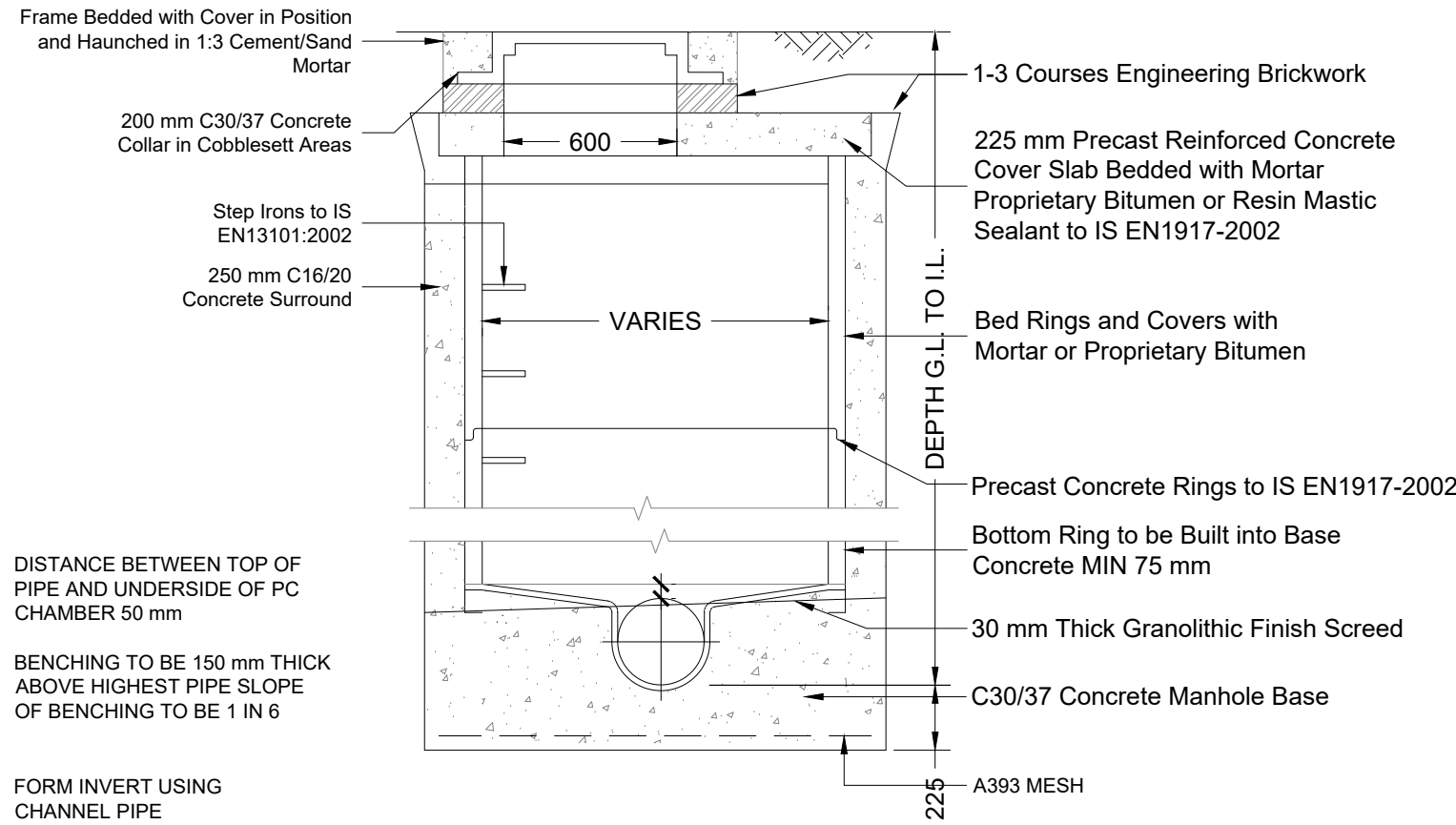
CHAMBER COVERS AND FRAME TO BE CIRCULAR DUCTILE IRON AND :

A.

CLASS D400 TO I.S. EN 124:1994 BENEATH TRAFFICKED AREAS (E.G. CARRIAGEWAYS, DRIVEWAYS AND FOOTPATHS).

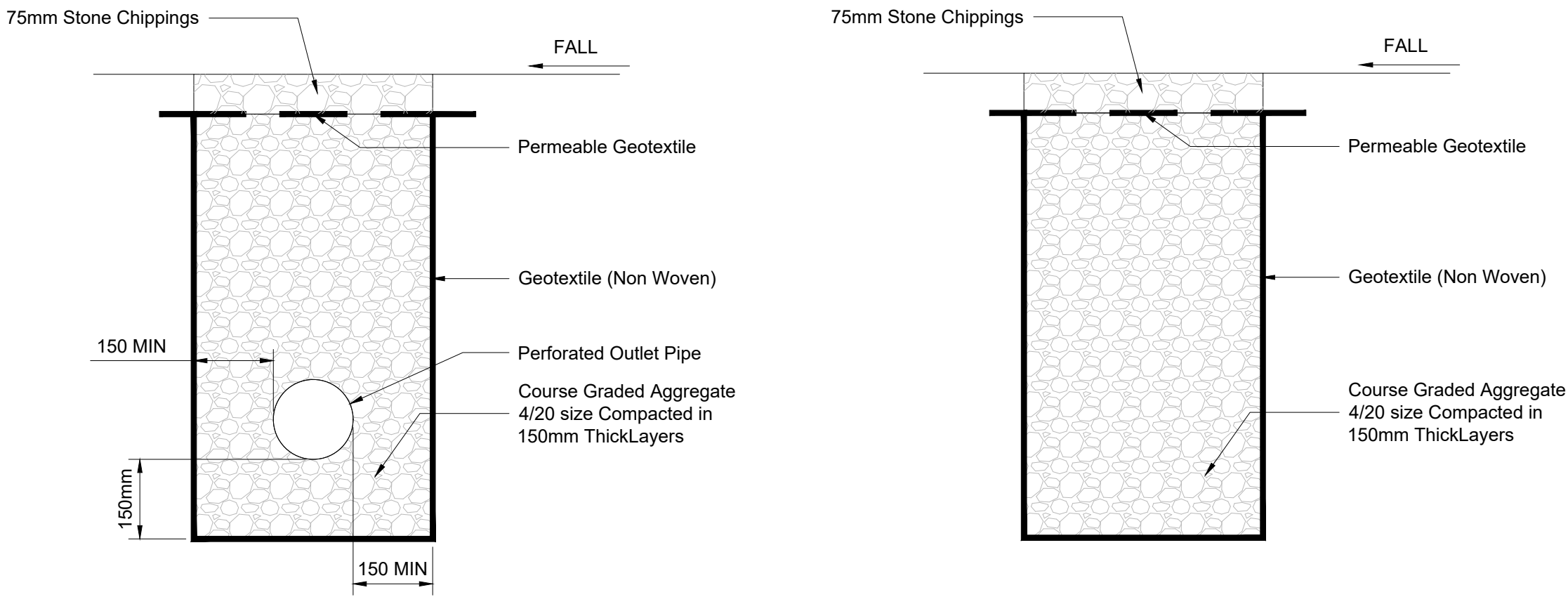
B.

CLASS D250 TO I.S. EN 124:1994 BENEATH GRASSED AREAS.



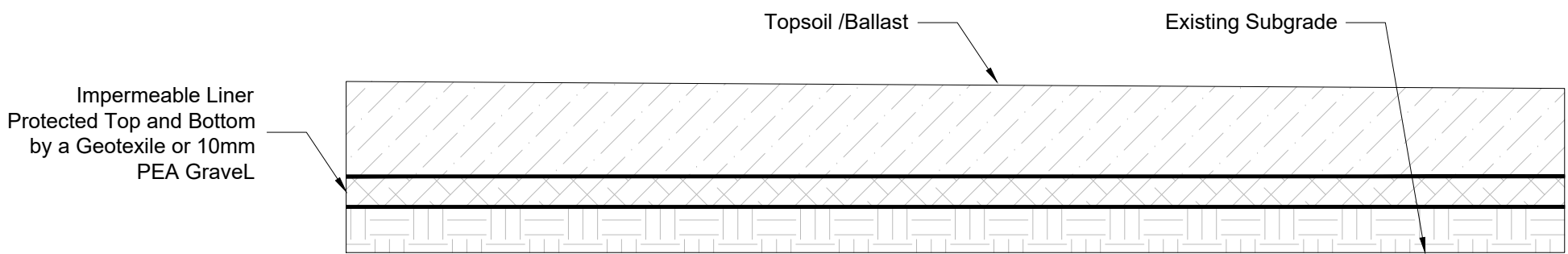
SECTION A-A

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

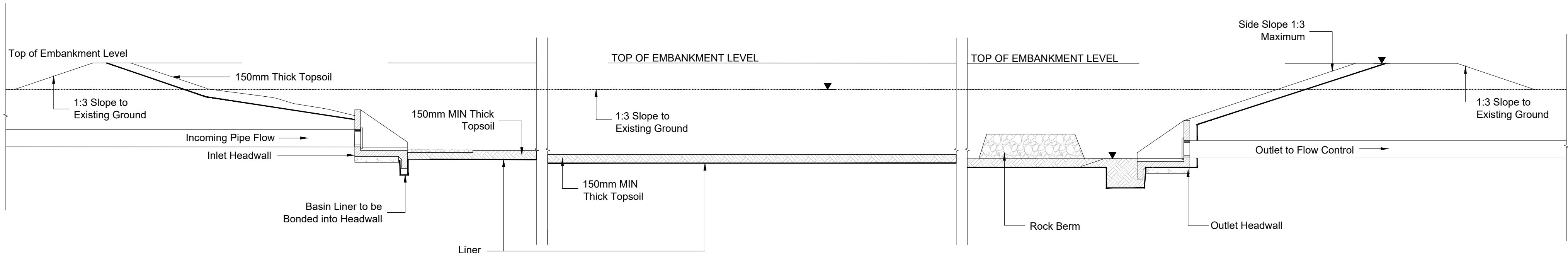


FILTER DRAIN SECTION DETAIL  
Scale 1:10

INFILTRATION TRENCH SECTION DETAIL  
Scale 1:10



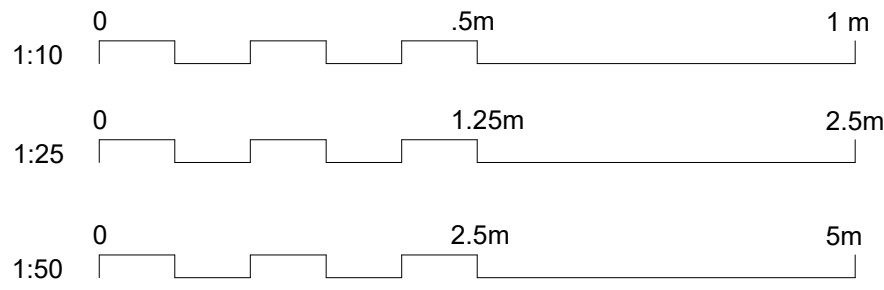
ATTENUATION BASIN IMPERMEABLE LINER DETAIL  
SCALE 1:10



TYPICAL ATTENUATION BASIN  
CROSS-SECTION  
SCALE 1:50

- Notes
1. For planning purposes only. Not for construction.
  2. All dimensions are in millimetres unless otherwise noted.
  3. Levels provided on this drawing are shown relative to finished stone level. For site specific levels, refer to site elevations.

Key to symbols



Reference drawings

|     |            |       |                |        |       |
|-----|------------|-------|----------------|--------|-------|
| PL1 | 28/01/2026 | SHY   | Planning Issue | 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  
Donore 110 kV Substation  
Typical Drainage Details  
Sheet 1

|                                                 |               |              |                 |  |
|-------------------------------------------------|---------------|--------------|-----------------|--|
| Designed                                        | C. Godor      | Eng check    | G. Reid         |  |
| Drawn                                           | S. Healy      | Coordination | A. Sethi        |  |
| Dwg check                                       | R. McGowan    | Approved     | N. Roche        |  |
| Scale at A1<br>As Shown                         | Status<br>APR | Rev<br>PL1   | Security<br>STD |  |
| Drawing Number<br>229101684-MMD-01-XX-DR-D-0200 |               |              |                 |  |