

CONSTRUCTION ENVIRONMENT MANAGEMENT PLAN

APPENDIX 2

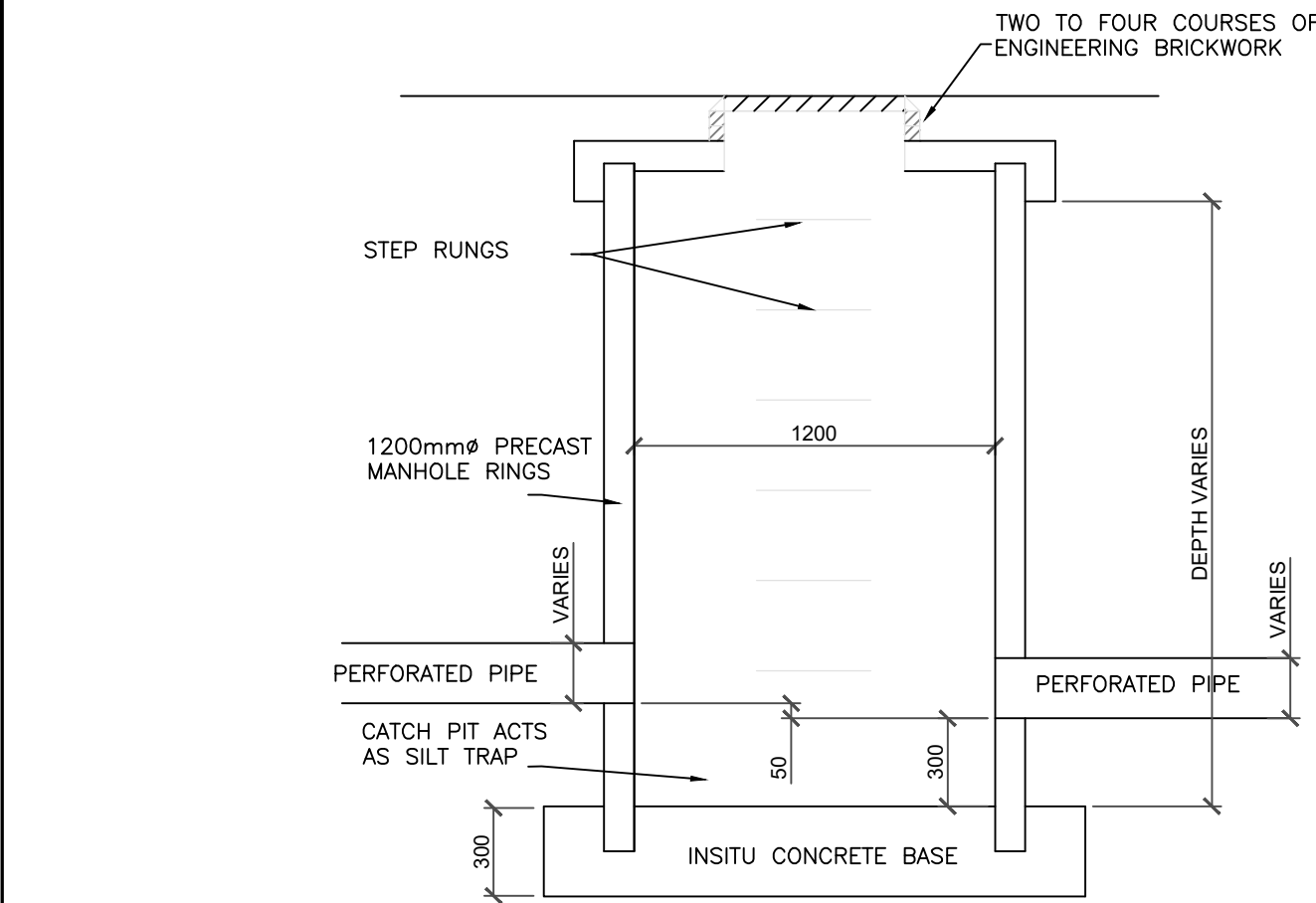
MATERIAL STORAGE YARD DRAWINGS



APPENDIX 2

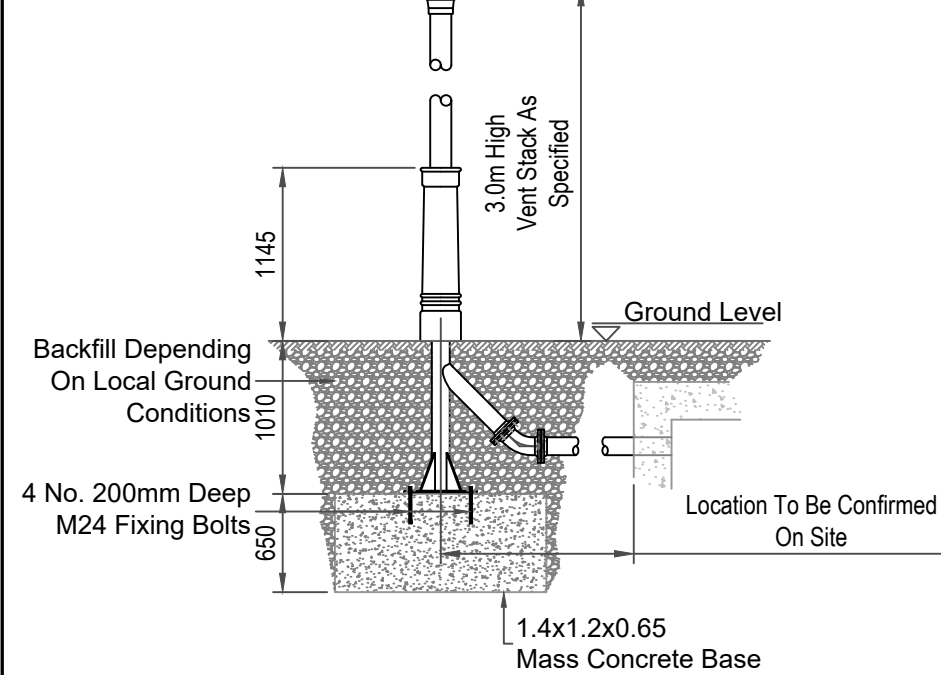
MATERIAL STORAGE YARD DRAWINGS

1. Material Storage Yard Site Layout
2. Site Details – Interceptor Drawing
3. Landscape Plan
4. Noise Barrier



CATCH PIT (SW1-SW6) - TYPICAL DETAIL

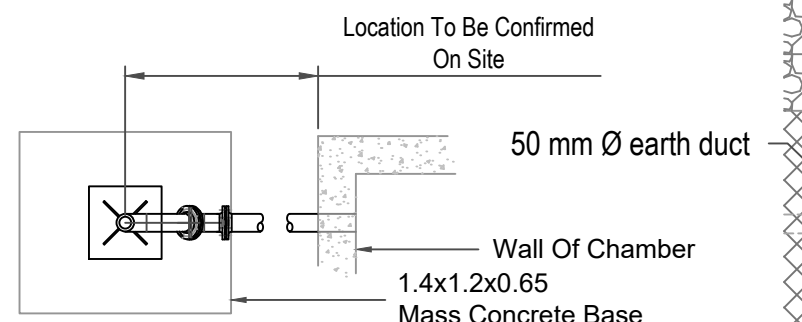
SCALE 1:50



SECTION

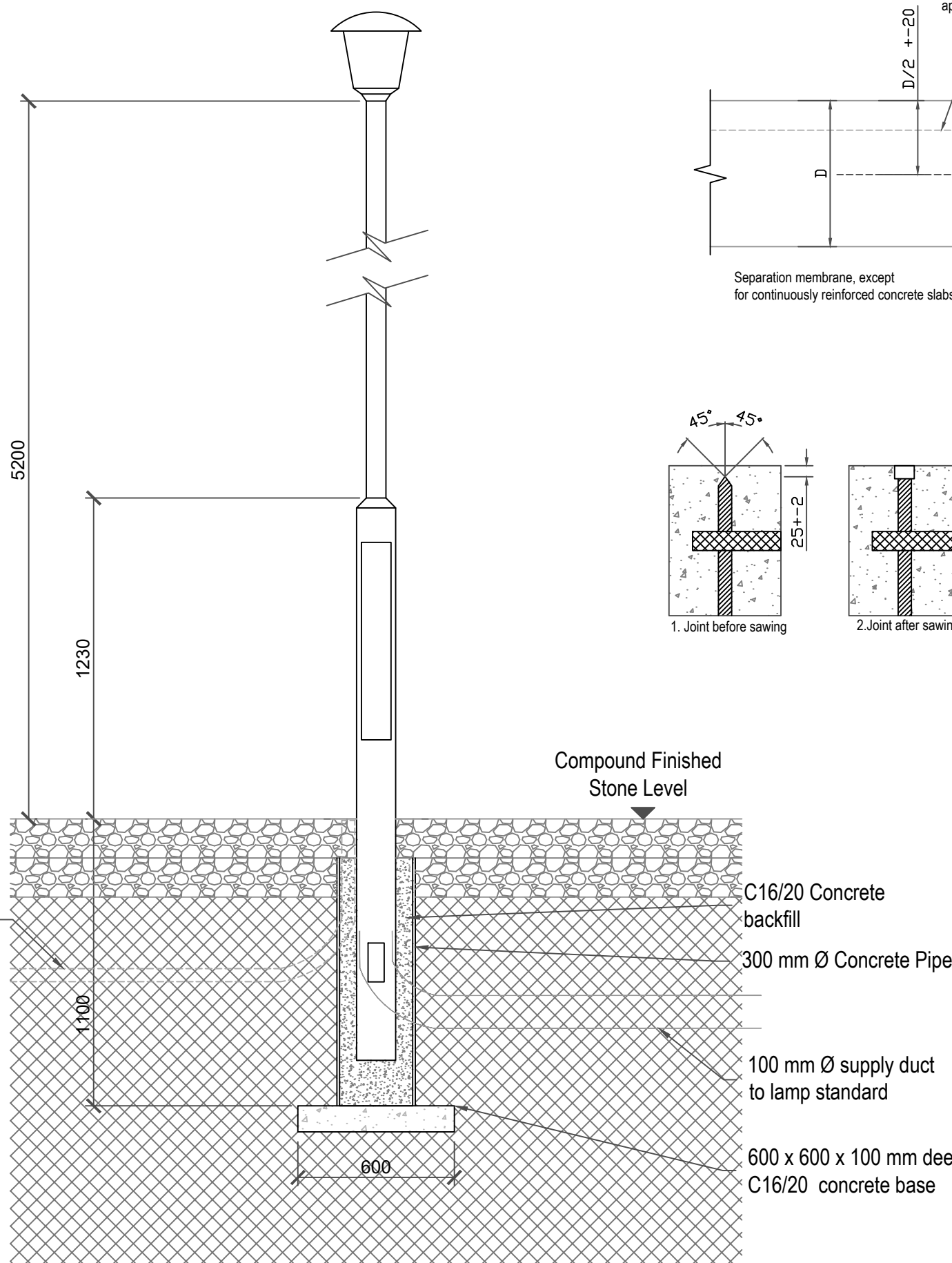
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VENT STACK DETAIL



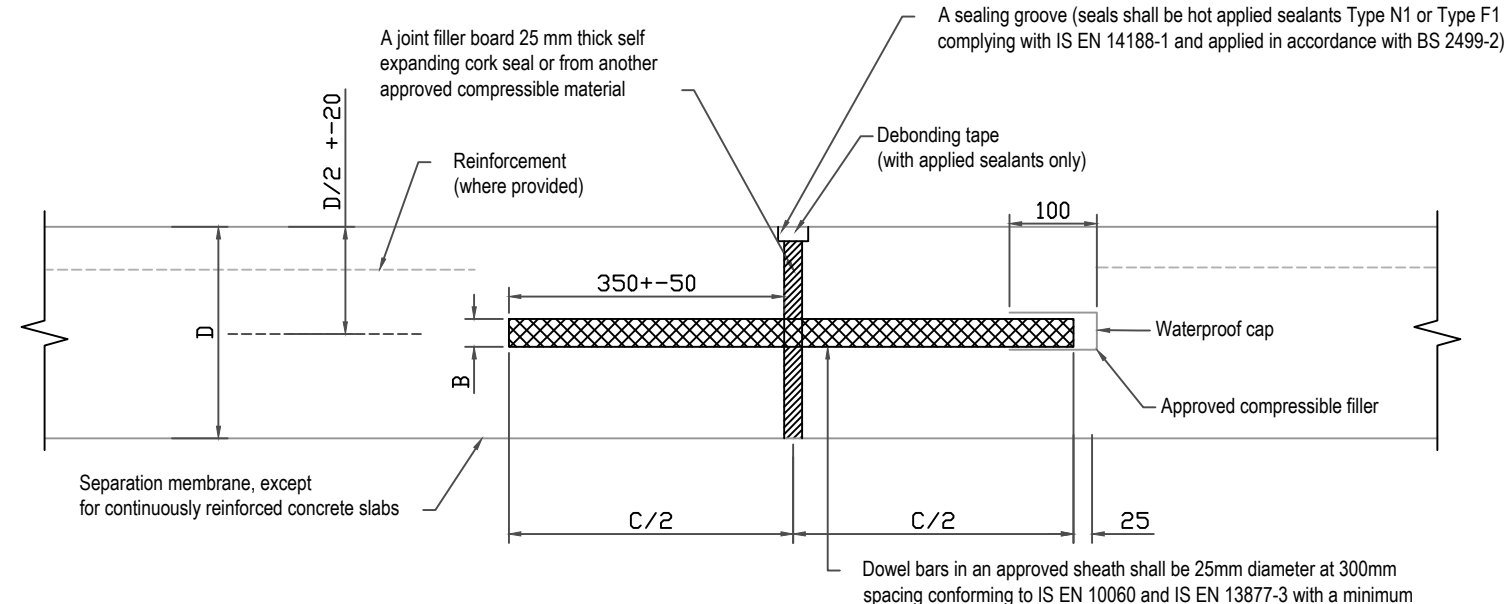
PLAN

Scale 1:50



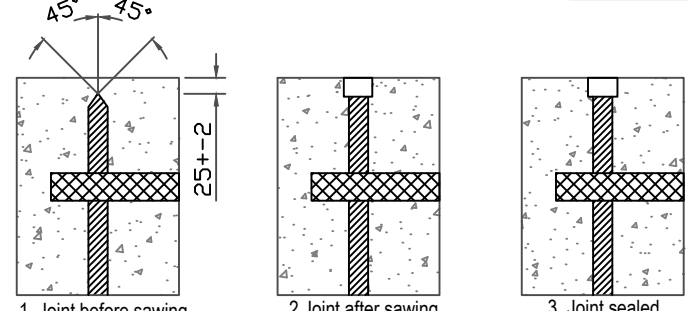
Lighting Column & Surround Details

Scale 1:25



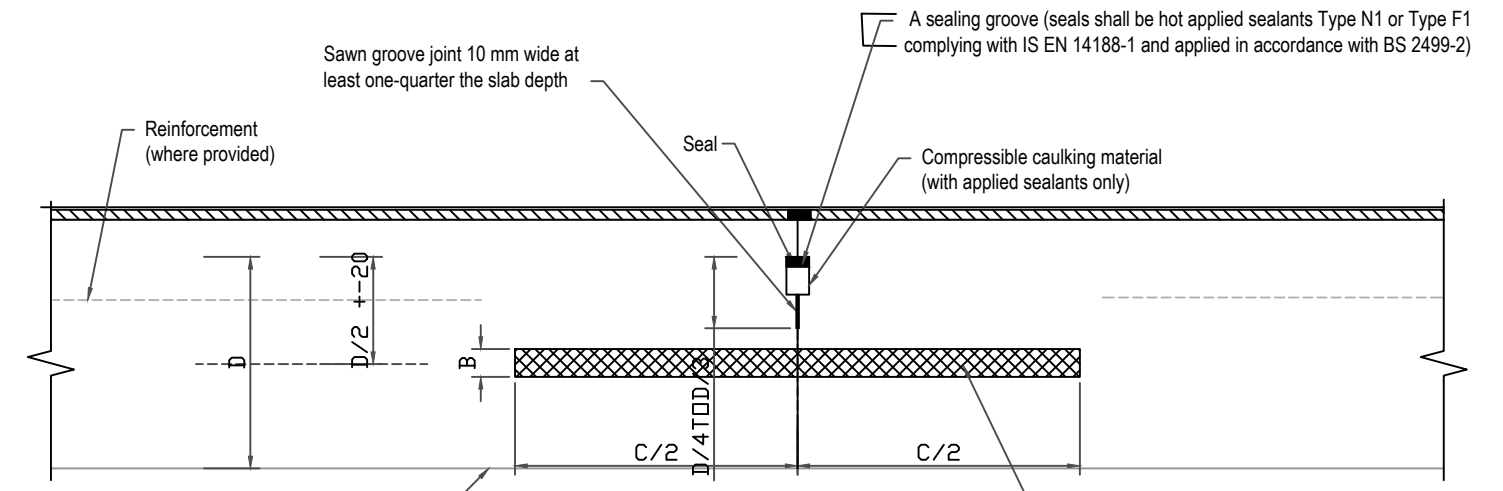
EXPANSION JOINT DETAIL

SCALE: 1:20



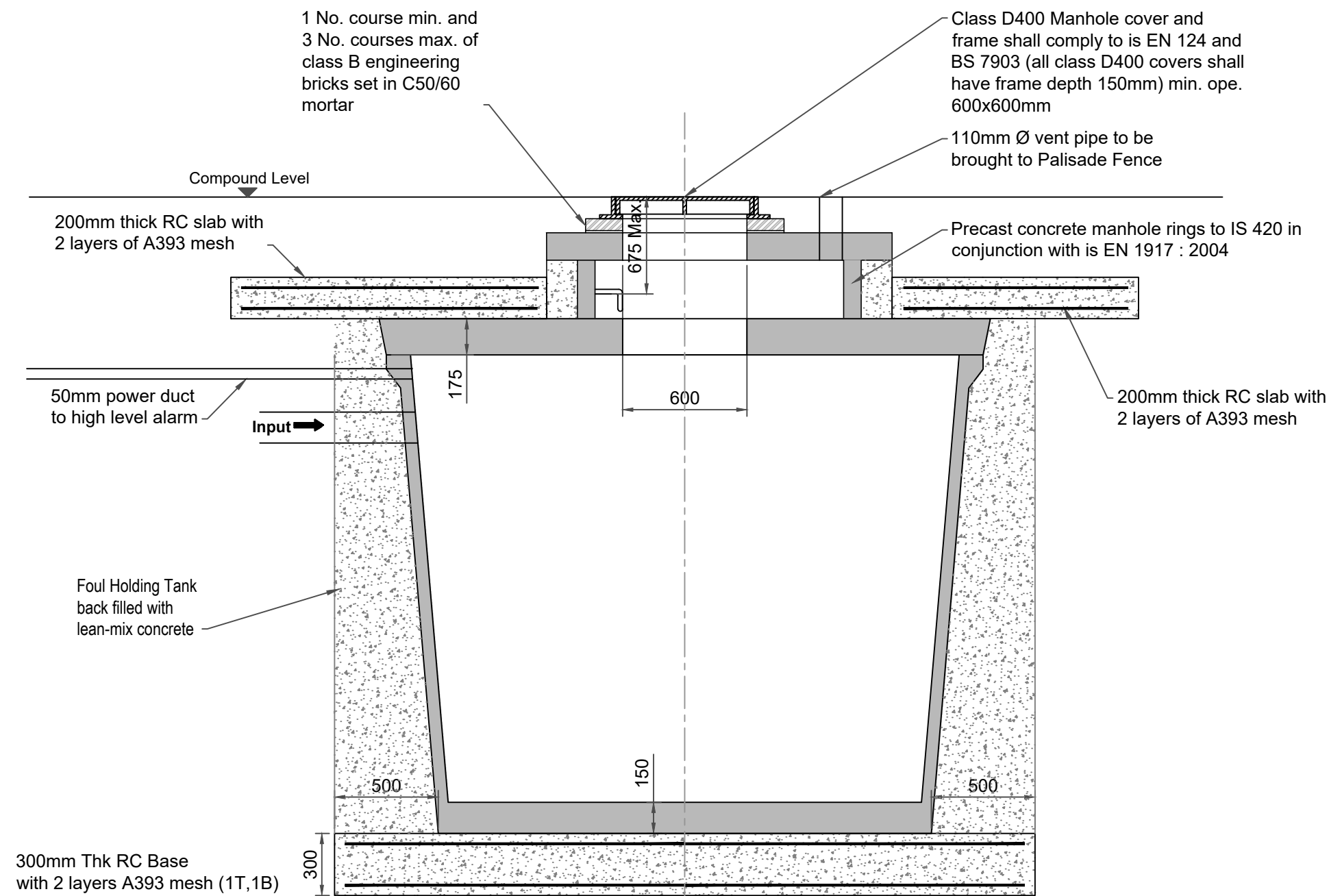
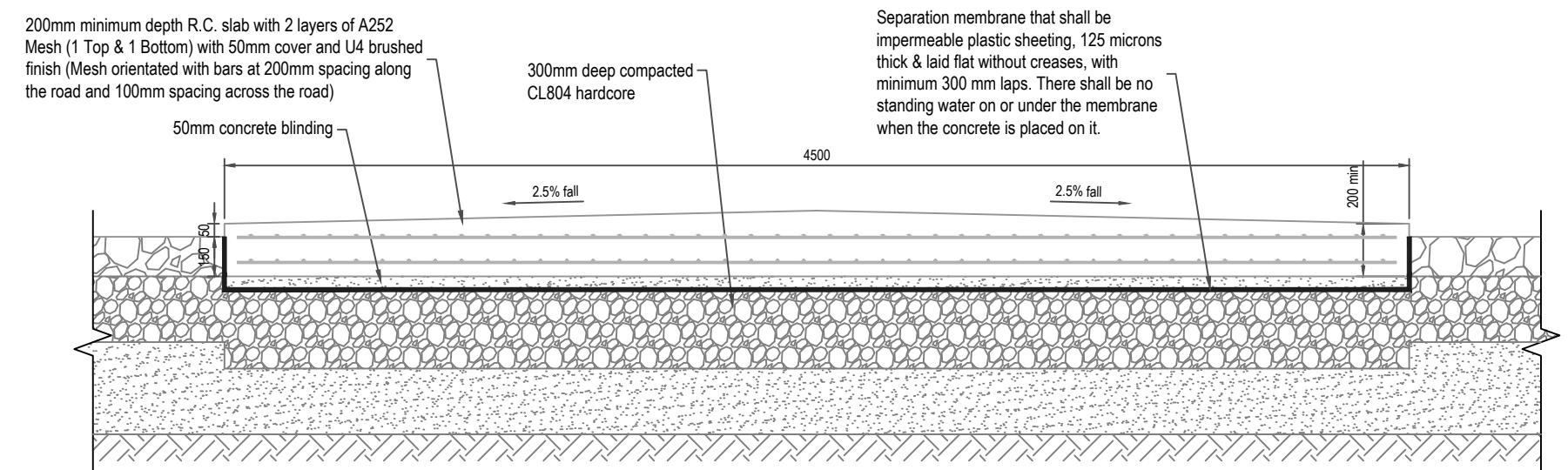
Slab thickness dimension 'D'	Dimension 'B'	Dimension 'C'
150 to 239	25	600
240 and over	32	600

- Notes:
- All dimensions are in millimeters.
 - The dowel bars shall be placed at 300 centres. This spacing shall be varied where necessary so that no dowel bar is within 150 of a slab edge or a joint parallel to the bars



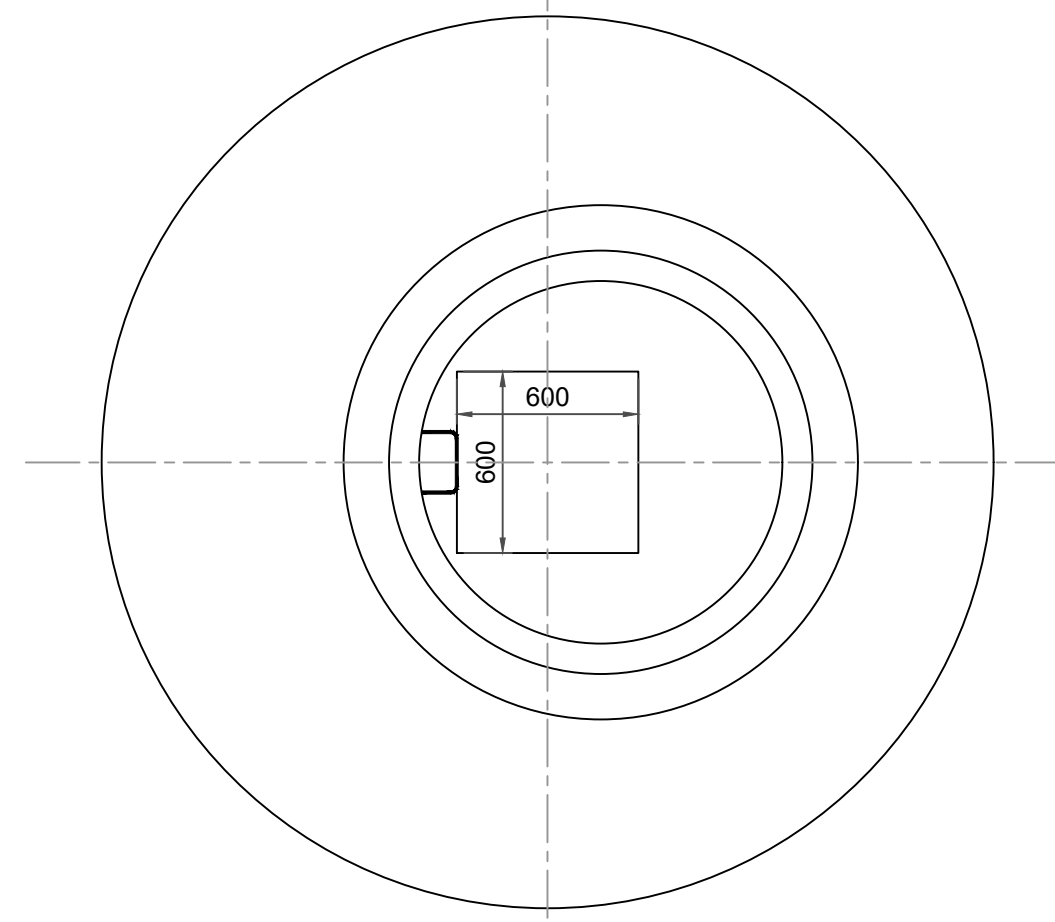
CONTRACTION JOINT DETAIL

SCALE: 1:20



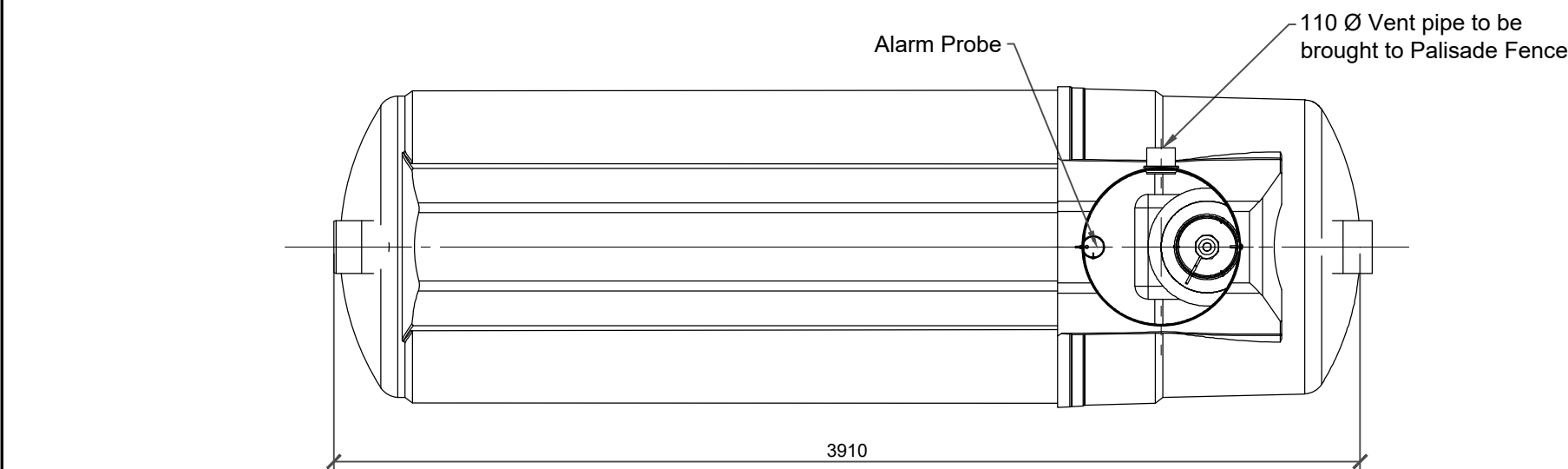
PROPOSED FOUL HOLDING TANK (VOLUME 5m³) - SECTION

SCALE: 1:25



PROPOSED FOUL HOLDING TANK - PLAN

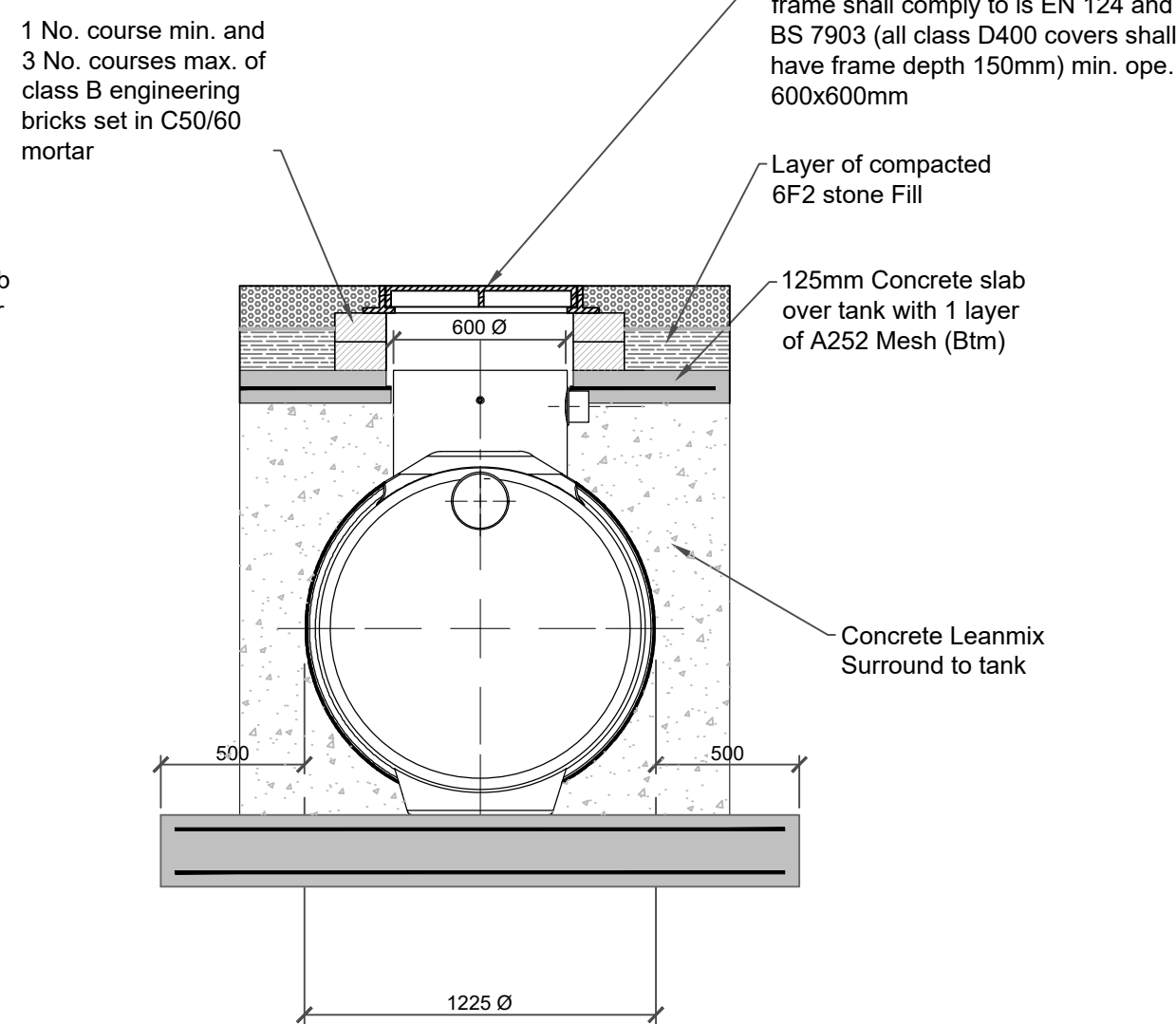
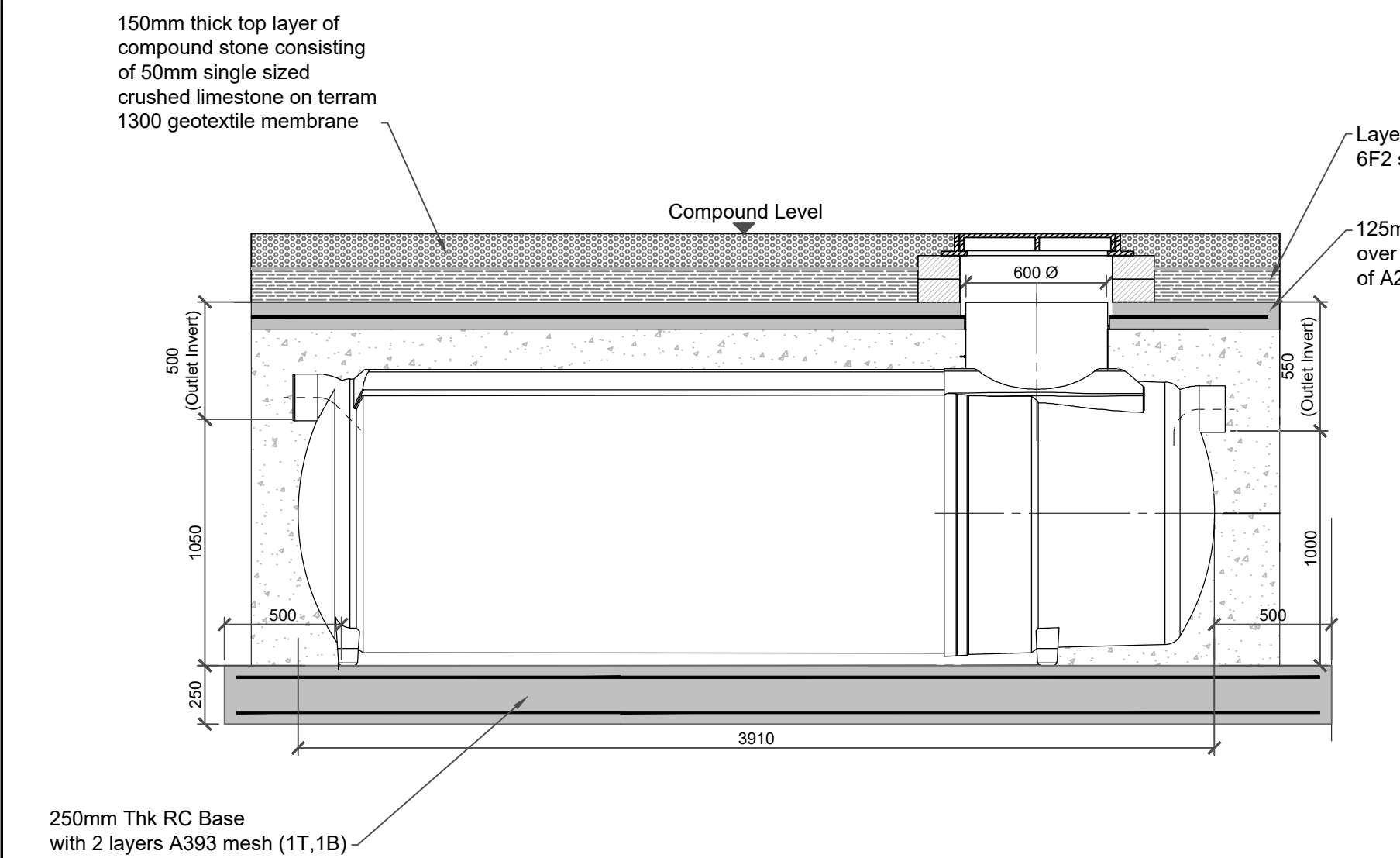
SCALE: 1:25



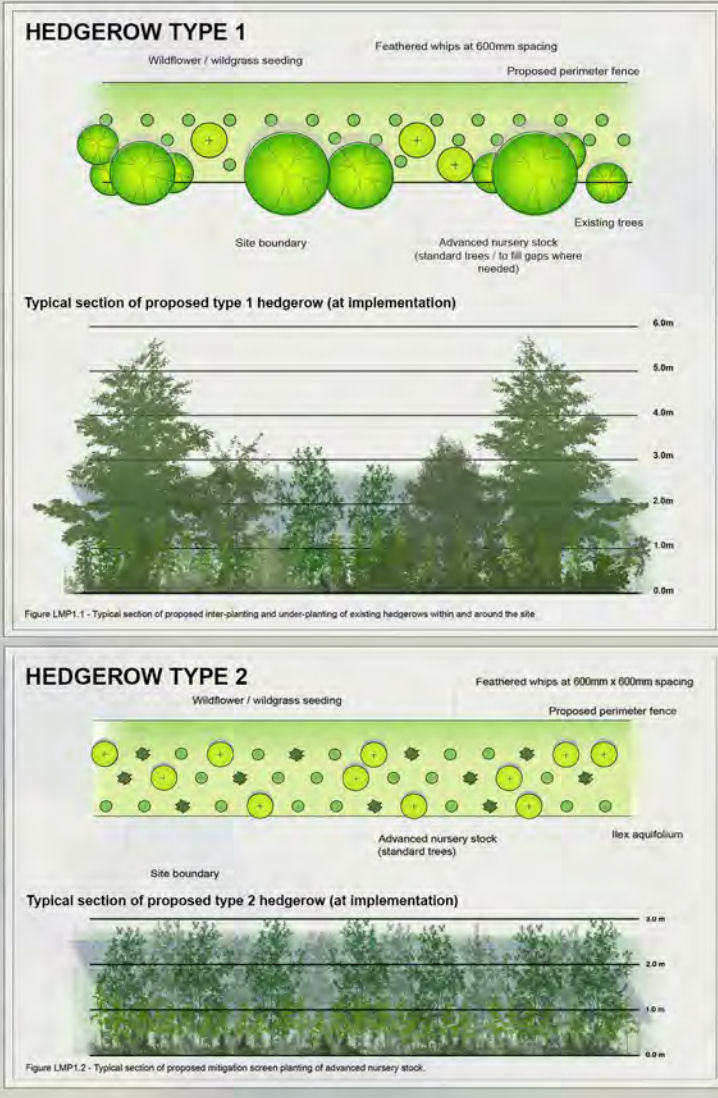
FULL RETENTION CLASS 1 INTERCEPTOR

To be a NSFA015 fitted with an oil fuel alarm and an adaptor for the larger diameter 225mm pipe. Allow for 50mm standard drop across the interceptor.

Scale 1:20



3 May 2024	PLANNING ISSUE	-	-
2 Aug 2023	PLANNING ISSUE	-	-
1 Nov 2023	ISSUED FOR TENDER	-	-
REV	DATE	DESCRIPTION	BY APP
PROJECT:			
NORTH SOUTH 400 kV INTERCONNECTION DEVELOPMENT			
TITLE:			
PROPOSED TEMPORARY CONSTRUCTION/ MATERIAL STORAGE YARD TYPICAL SITE DETAILS			
CLIENT:			
EIRGRID			
DRAWN:			
MWP			
ENGINEERING AND ENVIRONMENTAL CONSULTANTS			
CORK TRALEE LONDON LIMERICK			
mwp.ie			
PROJECT NUMBER:		DATE:	SCALE @ A1:
TC211635		Nov. 2023	As Noted
STATUS DESCRIPTION			STATUS:
FOR TENDER			D2
DRAWING NUMBER:			REV:
24051- MWP - ZZ- ZZ- DR- C- 0112			2



LEGEND:

- Woodland
- Wet grassland Mix
- Site boundary
- Berm
- Advanced nursery stock
- Proposed fence
- Hedgerow Type 2

NOTES:

The function of the proposed mitigation planting is to support screening and to enhance biodiversity across the site. The new and bolstered sections of hedgerow vegetation, proposed woodland mix and wild grass verges will all reinforce the existing green infrastructure links and provide new ecological corridors within the site and throughout the wider landscape.

Mitigation screen planting shall consist of a mixture of native hedgerow species that are prevalent in the immediate area. Planting to consist of feathered whips (of various sizes) in staggered rows at a spacing of 600mm.

'Under-planting' to consist of a single row of whips to the development side of existing tree lines and hedgerows.

'Inter-planting' to consist of whips at 400mm centres to fill gaps in existing tree lines and hedgerows.

New sections of hedgerow to consist of a triple staggered row of whips and advanced nursery stock at 600mm spacing.

All native species will be planted as whips, with the primary and secondary structure species to be of a minimum height of 90cm and the other shrubs species to be of a minimum height of 60cm.

Proposed mitigation screen planting to be planted as per diagram LMP1.1-1.2 and maintained at a height of approximately 3-4m unless otherwise specified. Hedgerow type 1 to be planted as necessary for gap filling and bolstering.

Proposed mitigation to be planted in the first growing season prior to commencement of development. Hedgerows should reach full establishment (3-4 meters) within 2-3 years of planting.

Native grass seeding of local provenance to occupy any residual space between perimeter fence and nearest line of whip planting. Field margins to be managed inline with the BRIDE project management techniques.

Species mix to be finalised in conjunction with the project ecologist.

*Advanced nursery stock to be provided as Crataegus monogyna (Hawthorn) at 8-10cm girth (c. 3m) bare root standard trees.

NATIVE HEDGEROW SPECIES:

Botanical name	Common name	Size	%
Primary structure;			
Crataegus monogyna	Hawthorn	90-120cm / 8-10cm girth 3m br standard trees	60%
Secondary structure;			
Prunus spinosa	Blackthorn	90-120cm	15%
Ilex aquifolium	Holly	90-120cm	15%
Shrub species structure;			
Viburnum opulus	Guelder Rose	60-90cm	2.5%
Corylus avellana	Hazel	60-90cm	2.5%
Rosa canina	Dog-rose	60-90cm	2.5%
Euonymus europaeus	Spindle	60-90cm	2.5%



Ground Floor, Hibernia House
Cherrywood Business Park
Loughinstown, Dublin 18
Ireland
00353 (01) 2303585
info@macroworks.ie

PROJECT:

North South Interconnector
Storage Yard
Co. Monaghan

CLIENT:

ESB Major Projects

DRAWING:

Landscape Mitigation Plan - Sheet 1

SCALE:

1:500

DATE:

Jul 2025

DWN BY:

YA

CKD BY:

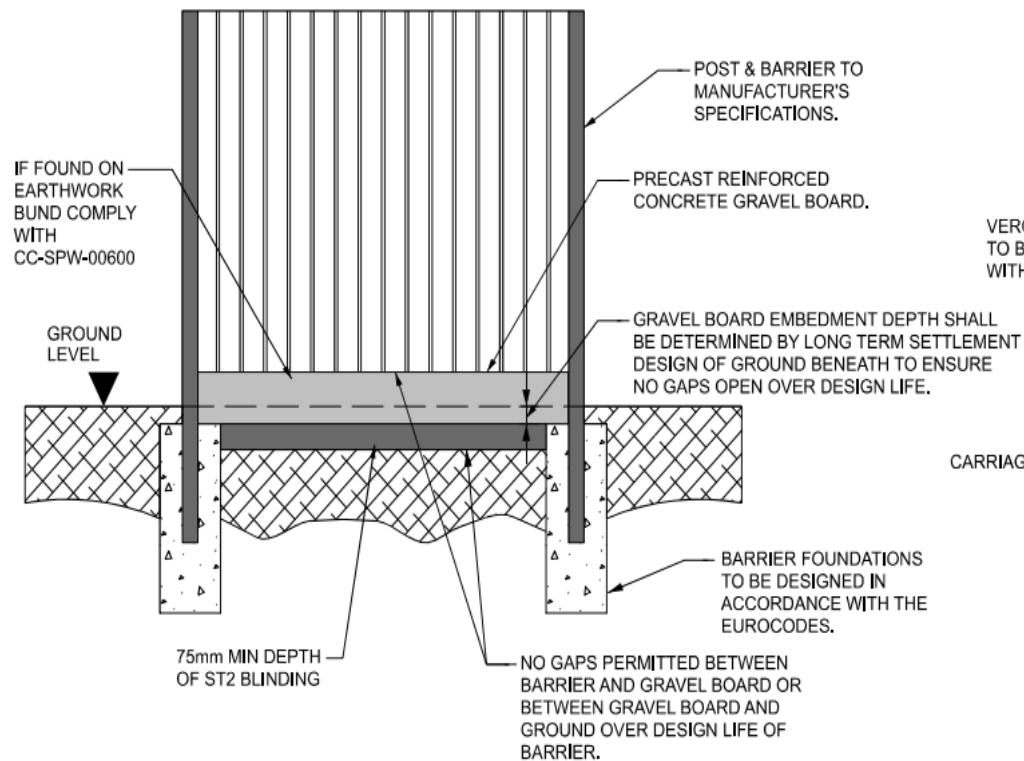
RB

SHEET SIZE:

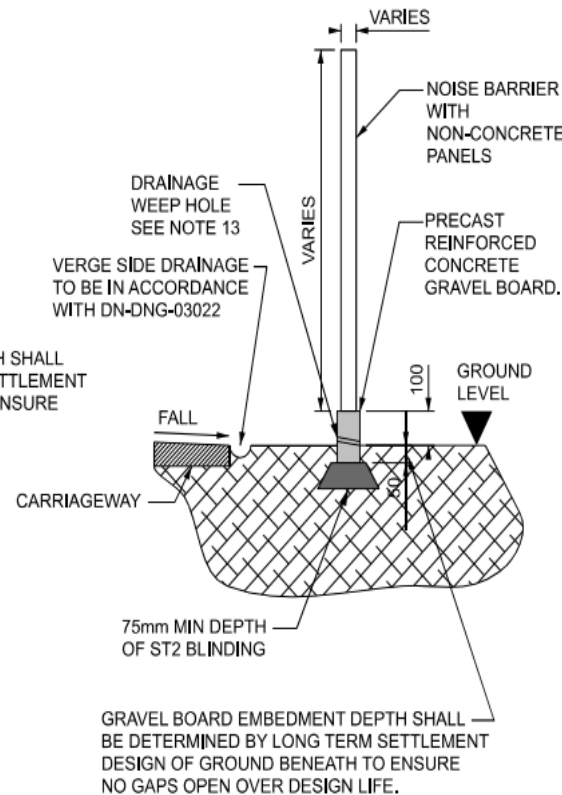
A1 (landscape)

DWG No.

LD_NSINTER 3.1



**ON-CONCRETE ENVIRONMENTAL
NOISE BARRIER ELEVATION**



**GRAVEL BOARD
CROSS SECTION**

NOTES :-

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. ALL NON-CONCRETE ENVIRONMENTAL NOISE BARRIERS SHALL BE SUPPLIED WITH A PRECAST CONCRETE GRAVEL BOARD.
3. THE MINIMUM COVER TO REINFORCEMENT SHALL BE IN ACCORDANCE WITH THE DN-STR-03012.
4. MINIMUM EXPOSURE CLASS TO BE XC4.
5. REINFORCED CONCRETE SHALL BE A MINIMUM GRADE C32/ 40.
6. ALL GRAVEL BOARD FACES ARE TO HAVE AN F4 FINISH.
7. ALL STRUCTURAL CONCRETE SHALL BE SPECIFIED IN ACCORDANCE WITH CC-SPW-01700.
8. EMBEDMENT OF GRAVEL BOARD TO BE A MINIMUM OF 50mm. DEEPER EMBEDMENT TO BE DETERMINED AS REQUIRED ON A CASE BY CASE BASIS.
9. THIS SCD IS AN INDICATIVE DETAIL SHOWING MINIMUM REQUIREMENTS. FULL DESIGN AND DETAILING SHALL BE UNDERTAKEN ON A SCHEME SPECIFIC BASIS.
10. THIS SCD IS ONLY TO BE USED IN ASSOCIATION WITH A UNIQUE STRUCTURAL DESIGN. THIS DESIGN IS TO BE CARRIED OUT IN ACCORDANCE WITH THE TII REQUIREMENTS FOR THE USE OF EUROCODES FOR THE DESIGN OF ROAD STRUCTURES.
11. ALL ENVIRONMENTAL NOISE BARRIERS SHALL BE SUPPLIED IN ACCORDANCE WITH CC-SPW-00300.
12. DETAILING OF THE GRAVEL BOARD SHALL BE THE SOLE RESPONSIBILITY OF THOSE SUPPLYING AND INSTALLING THE BARRIER.
13. SURFACE AND SUB-SURFACE DRAINAGE ADJACENT TO THE CARRIAGEWAY SHALL BE IN ACCORDANCE WITH DN-DNG-03022 REQUIREMENTS. WEEP HOLES SHALL BE PROVIDED WHERE REQUIRED. THE INVERT LEVEL OF THE WEEP HOLE, SIZE AND FREQUENCY ALONG THE NOISE BARRIER GRAVEL BOARD IS TO BE DESIGNED SUCH THAT THE GRAVEL BOARD DOES NOT ADVERSELY AFFECT THE ALLOWABLE SURCHARGED FLOW WIDTHS OUTLINED IN DN-DNG-03022. THE MAXIMUM HEIGHT OF THE WEEP HOLE INVERT SHOULD BE SET SO THAT IT IS NO HIGHER THAN THE EDGE OF THE PAVEMENT. DESIGNERS SHOULD ALSO CONSIDER THE EFFECTS OF THE NOISE BARRIER GRAVEL BOARD IN MORE EXTREME RAINFALL EVENTS WHEN DESIGNING THE WEEP HOLES, TO ALLOW FOR APPROPRIATE ROUTING OF SURCHARGED FLOW AND PREVENT VERGE EROSION AT THE GRAVEL BOARD INTERFACE.