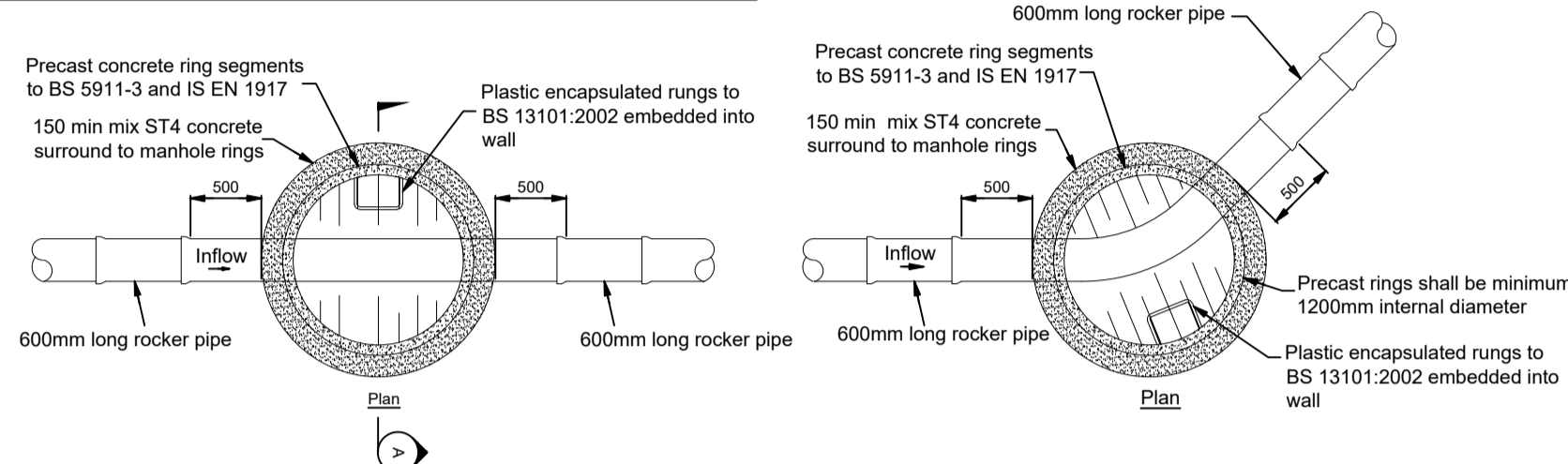


Precast concrete manhole 1.0m to 3.0m deep (Max 300mm pipe size)



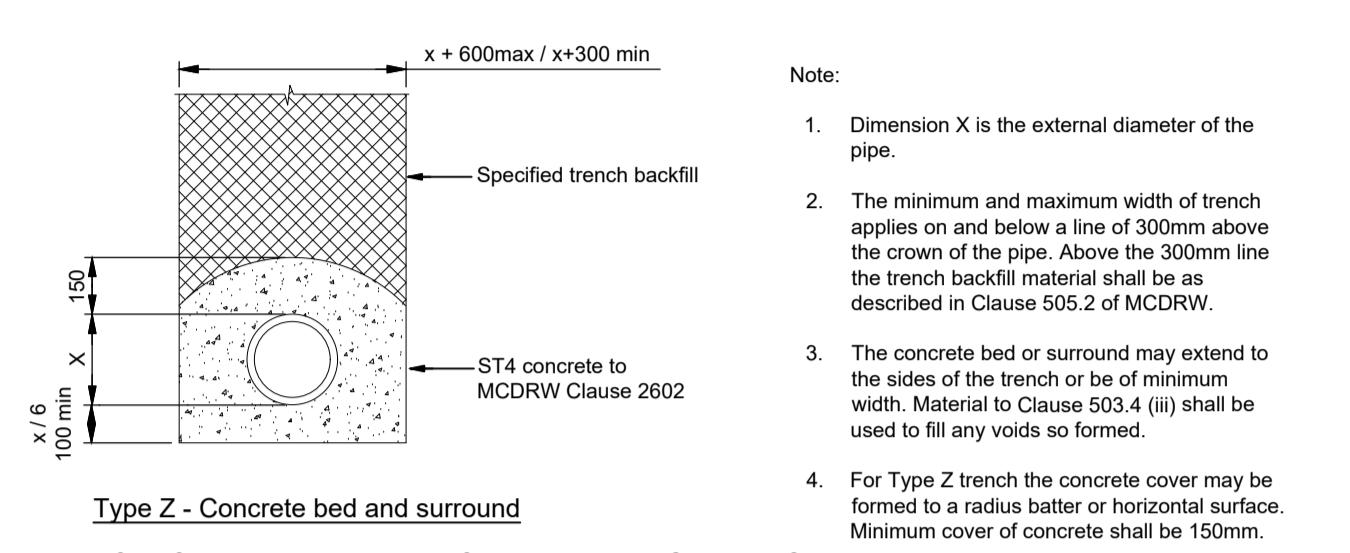
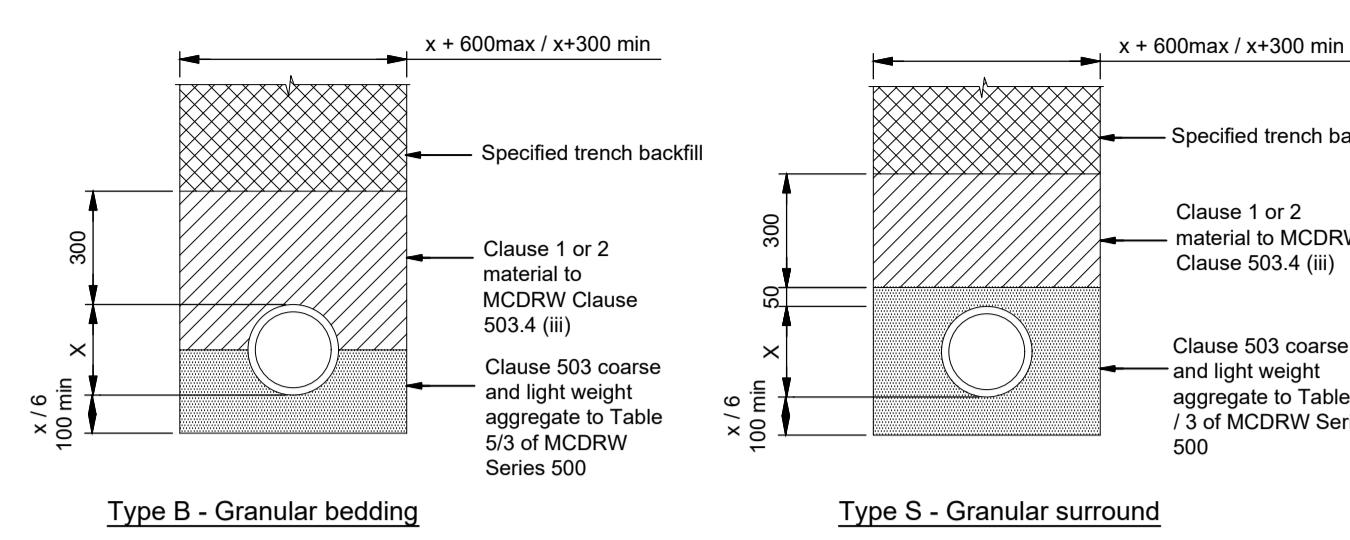
Typical straight through precast concrete manhole (max. 300mm pipe size)

Typical precast concrete manhole with internal bend

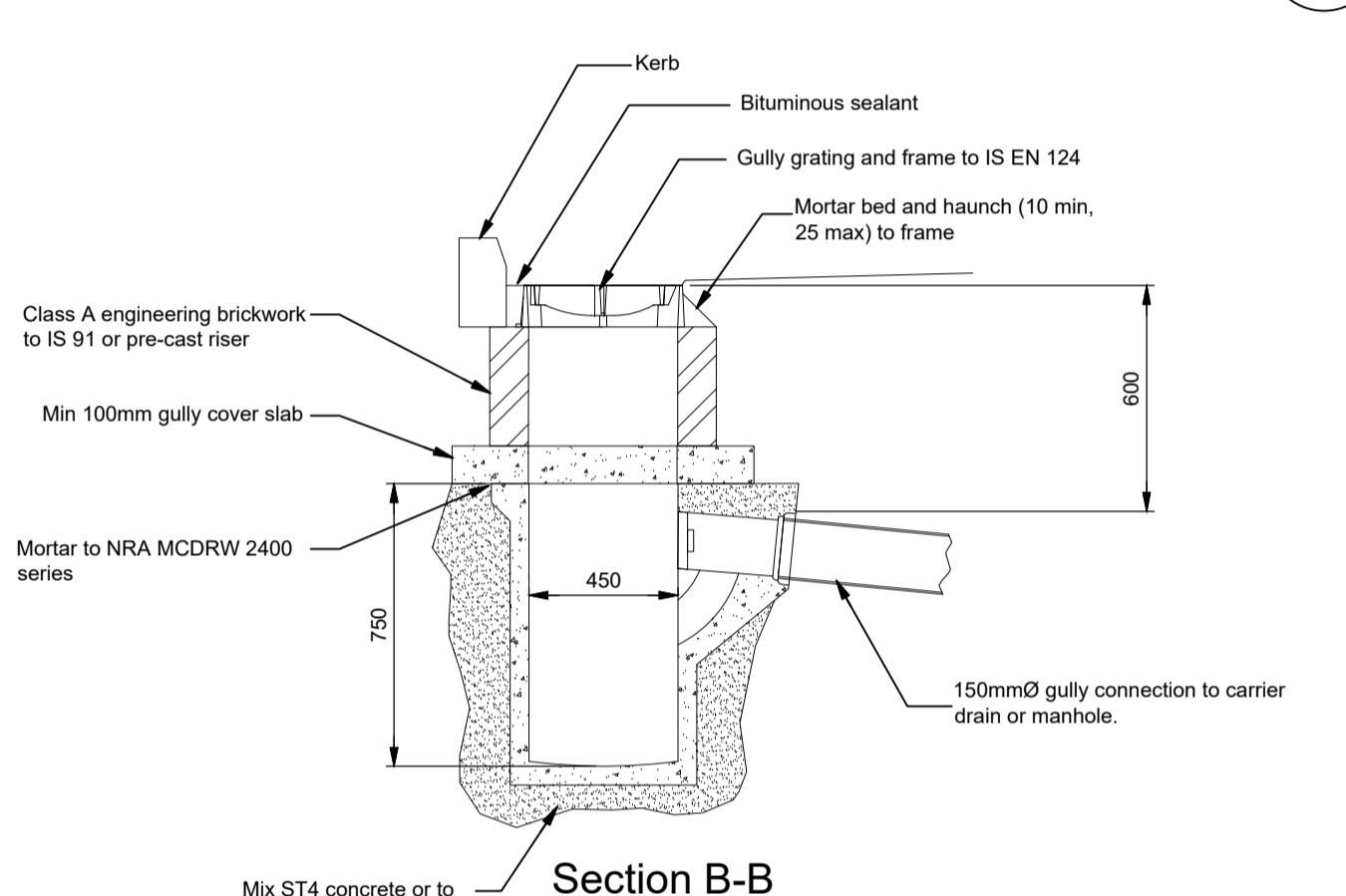
Detail 1
scale 1:50
0150

Cover slabs and ductile iron cover and frames		
Location	Roadway	Pedestrian area only
Cover	Heavy duty	Medium duty
Cover slab BS 5911-3	Heavy duty	Heavy duty
D.I. cover and frame to IS EN 124	Class D-400	Class B-125
Operating load	Wheel loads up to 40.0 tonnes	Wheel loads up to 12.5 tonnes

Manhole access size as per table NA.22 BS EN 752		
Depth	< 1.5m cover to pipe soffit	> 1.5m cover to pipe soffit
Min clear opening	1200mm x 675mm	600mm diameter

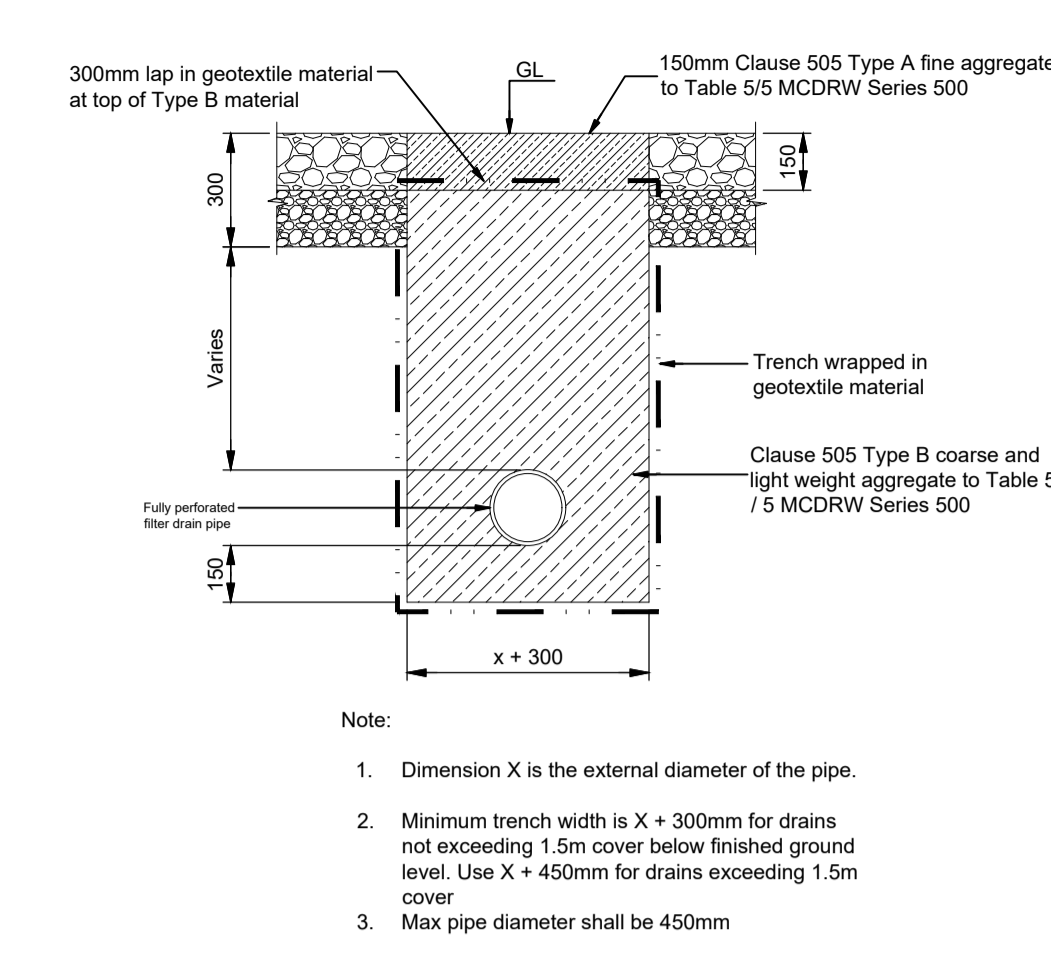


Detail 2
scale 1:20
0150

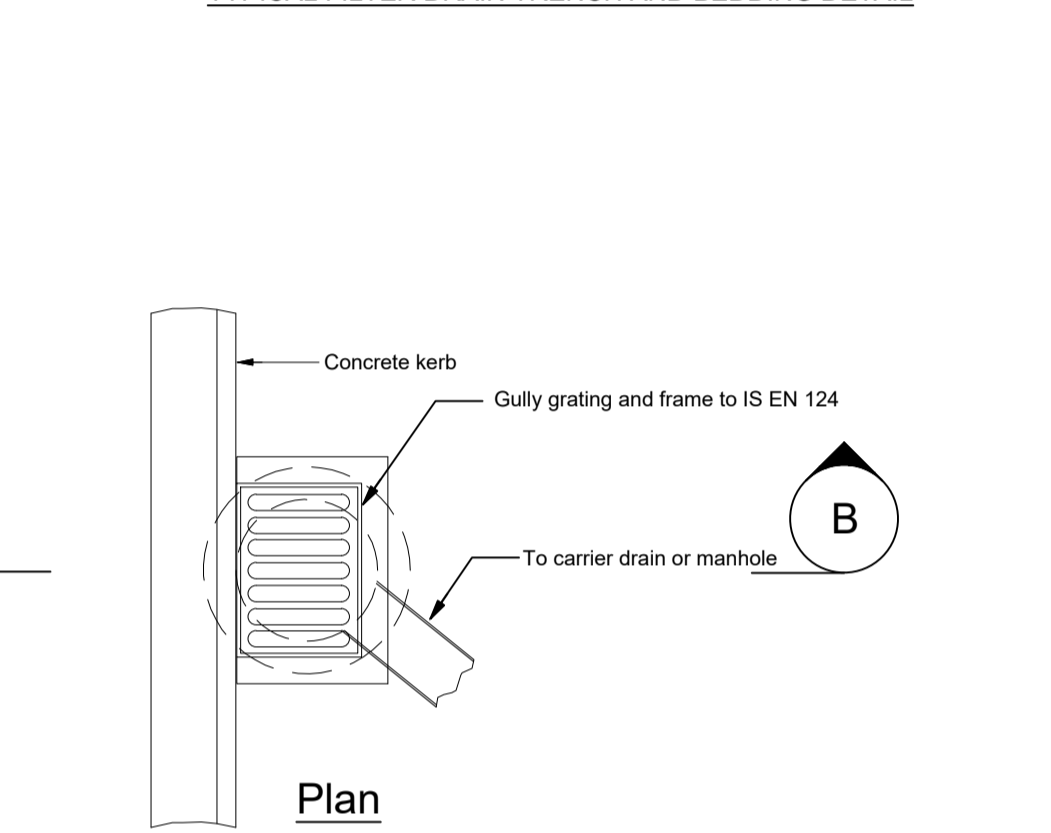


Typical precast road gully

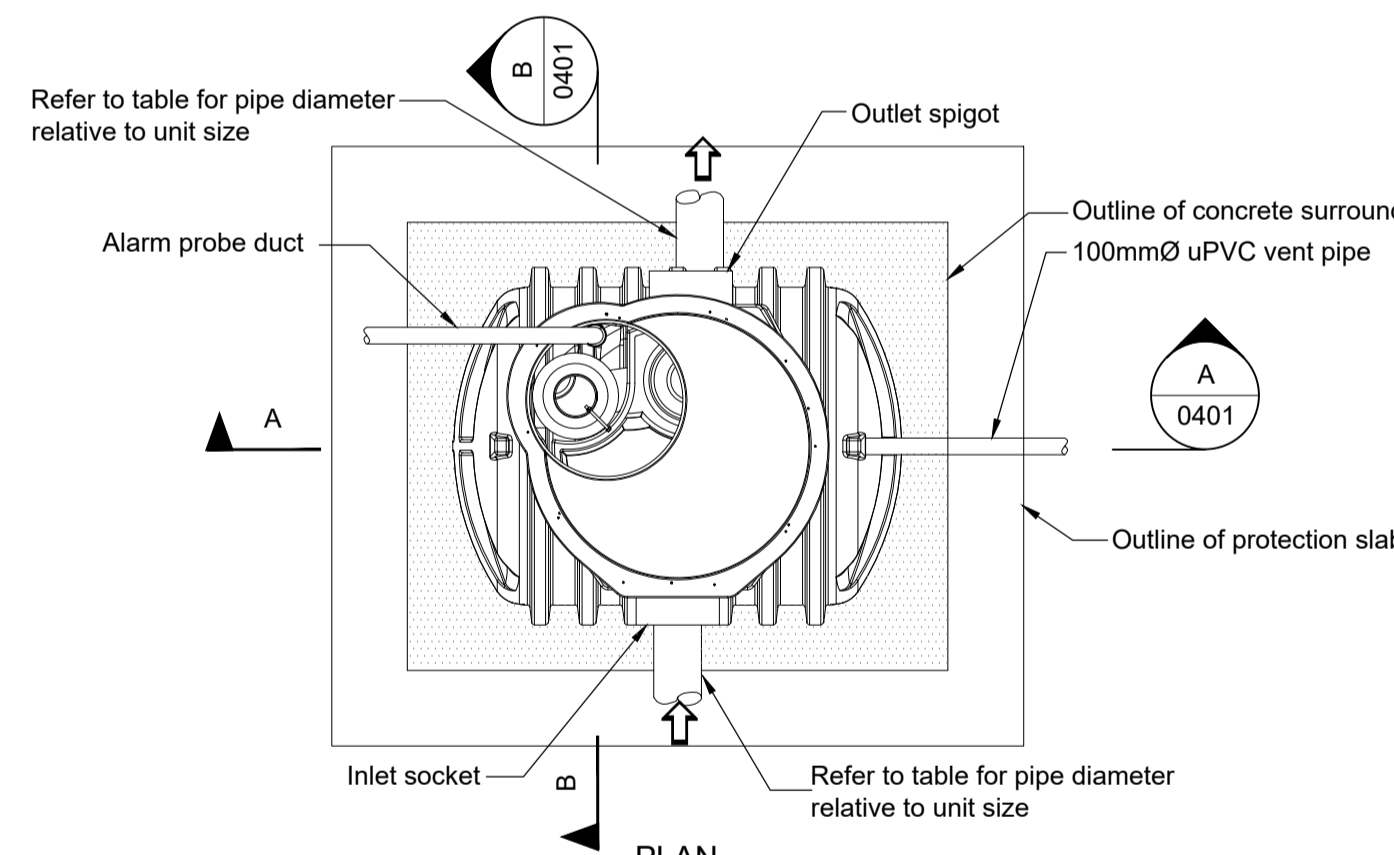
Detail 3
scale 1:20
0150



Typical filter drain trench and bedding detail

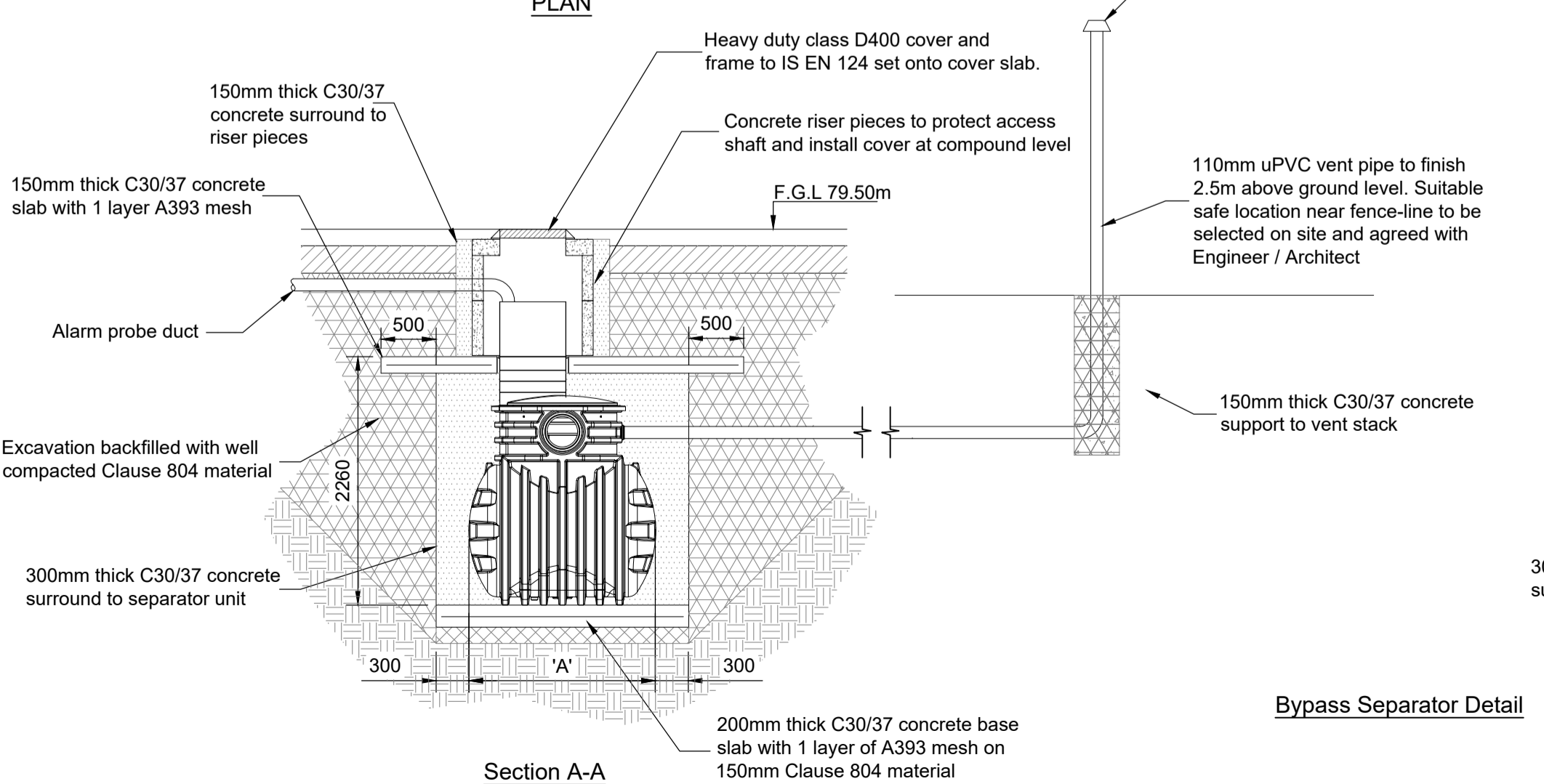


Detail 3
scale 1:20
0150



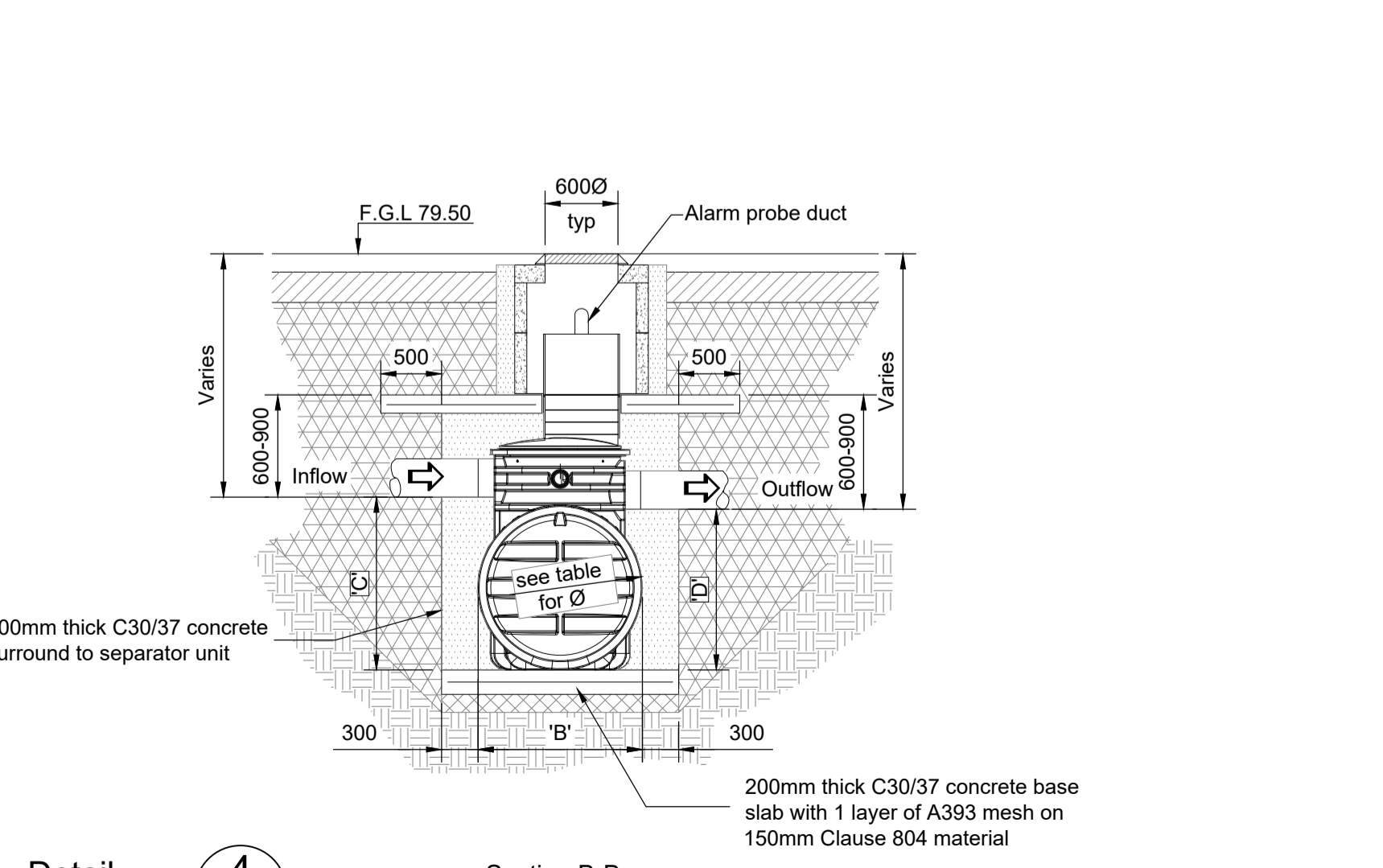
Section A-A

Network	Unit Nominal Size	Nominal Flow Rate (l/s)	Peak Flow Rate (l/s)	Drainage Area (m ²)	Storage Capacity (litres)		Unit Length (mm) 'A'	Unit Dia (mm) 'B'	Base to Inlet Invert (mm) 'C'	Base to Outlet Invert (mm) 'D'	Standard Fall Across (mm)	Min. Inlet Invert (mm)	Standard pipework dia (mm) 'E'	Orientation
					Silt	Oil								
1	NSBP003	3	30	1670	300	45	1700	1350	1420	1320	100	500	160	→



Section A-A

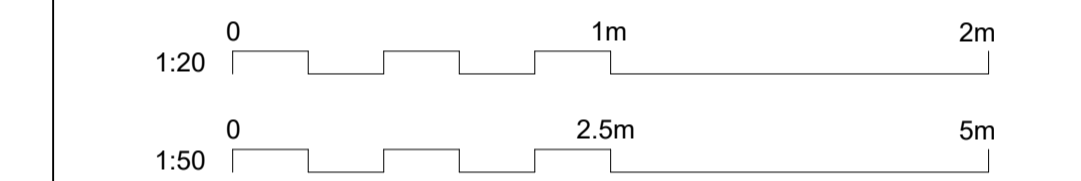
Detail 4
scale 1:50
0150



Section B-B

- Notes
- ©Ordnance Survey Ireland/Government of Ireland. Ordnance Survey Ireland Licence No. EN0034519.
 - Design suitable for Planning purposes only. Not suitable for Construction.
 - This drawing is to be read in conjunction with all other drawings and specifications.
 - All levels are in metres relative to Ordnance Datum at Malin Head.
 - Do not scale off this drawing. Use figured dimensions only.
 - Unless otherwise specified all Foul Water components to conform to Irish Water Specification
 - All storm water components to conform to the Greater Dublin Regional Code of Practice for drainage works.

Key to symbols



Reference drawings
229379408-MMD-01-XX-DR-D-1201 Storm water drainage Overall Layout

PL1	10.07.2020	ERN	Issued for Planning	MCO	TK
Rev	Date	Drawn	Description	Ch'k'd	App'd

MOTT MACDONALD

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



Title
Capital Project 0970
Cross Shannon 400 kV Cable Project
Kilpaddoge 400kV AIS Substation
Typical Drainage Details
Manhole, Bedding & Interceptor Details

Designed	E.Richardson	Eng check	M.Coelho
Drawn	E.Richardson	Coordination	N.Roche
Dwg check	M.Coelho	Approved	T.Keane
Scale at A1	Status	Rev	Security
As Shown	PRE	PL1	STD

Drawing Number
229379408-MMD-01-XX-DR-D-1201