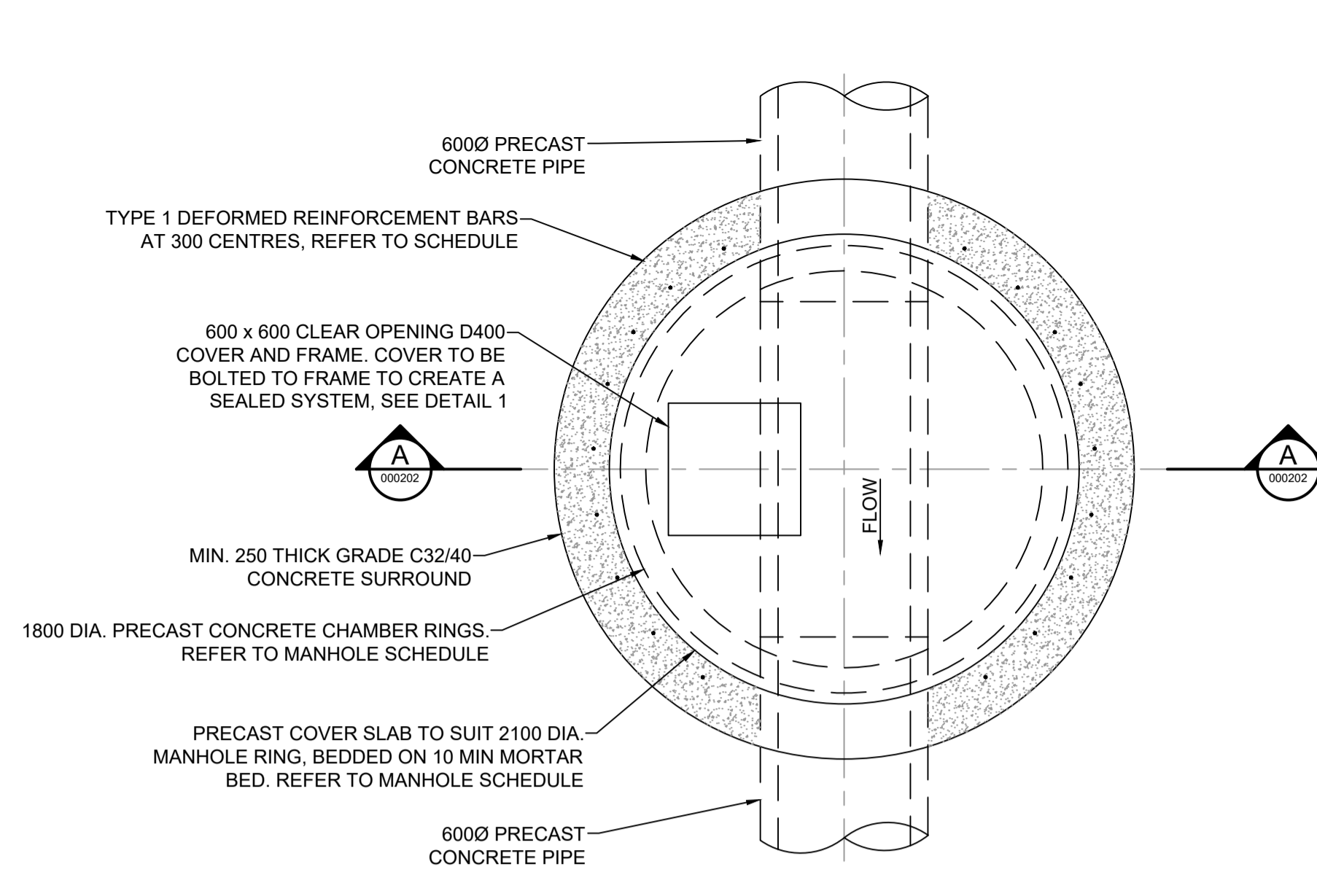
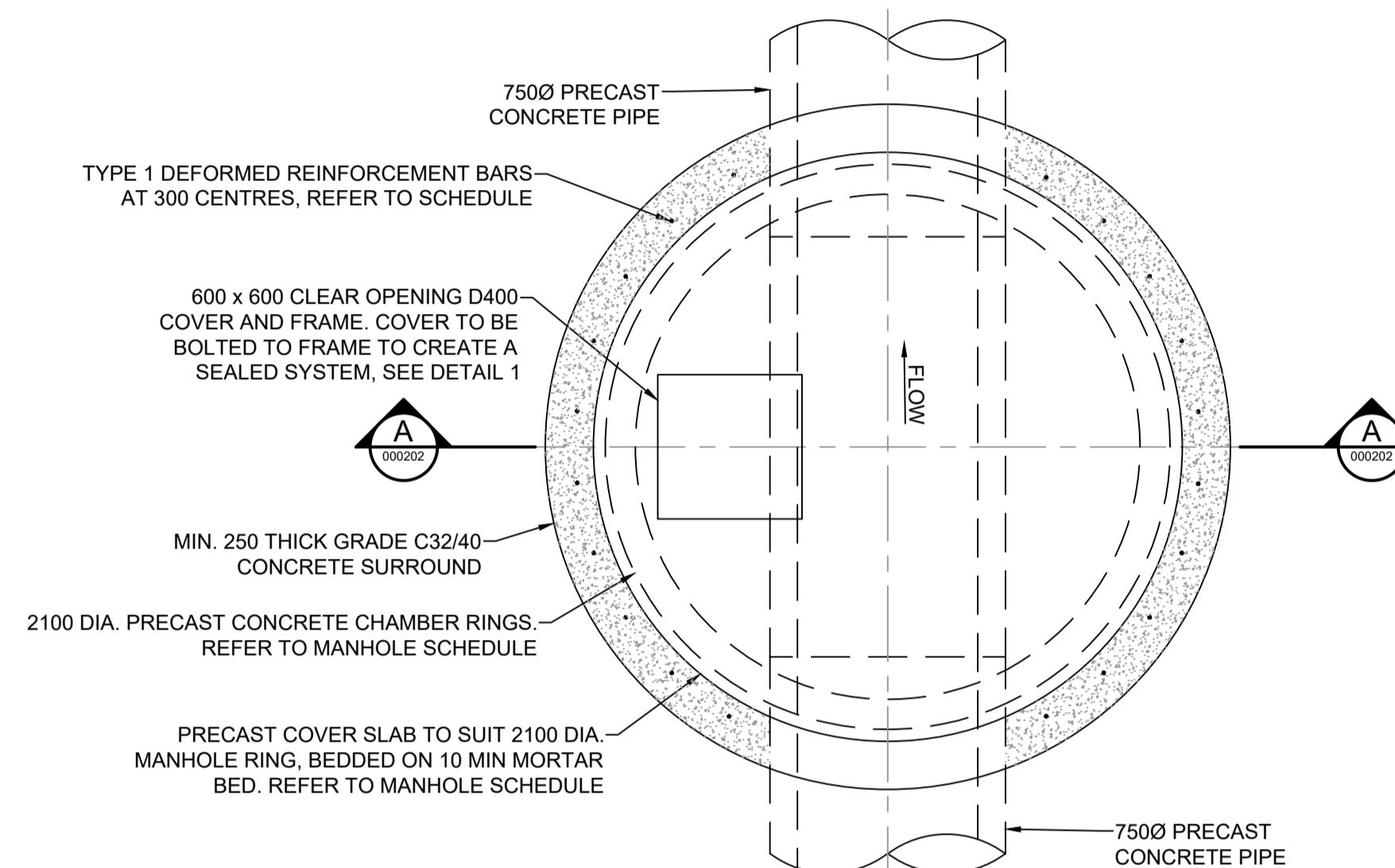
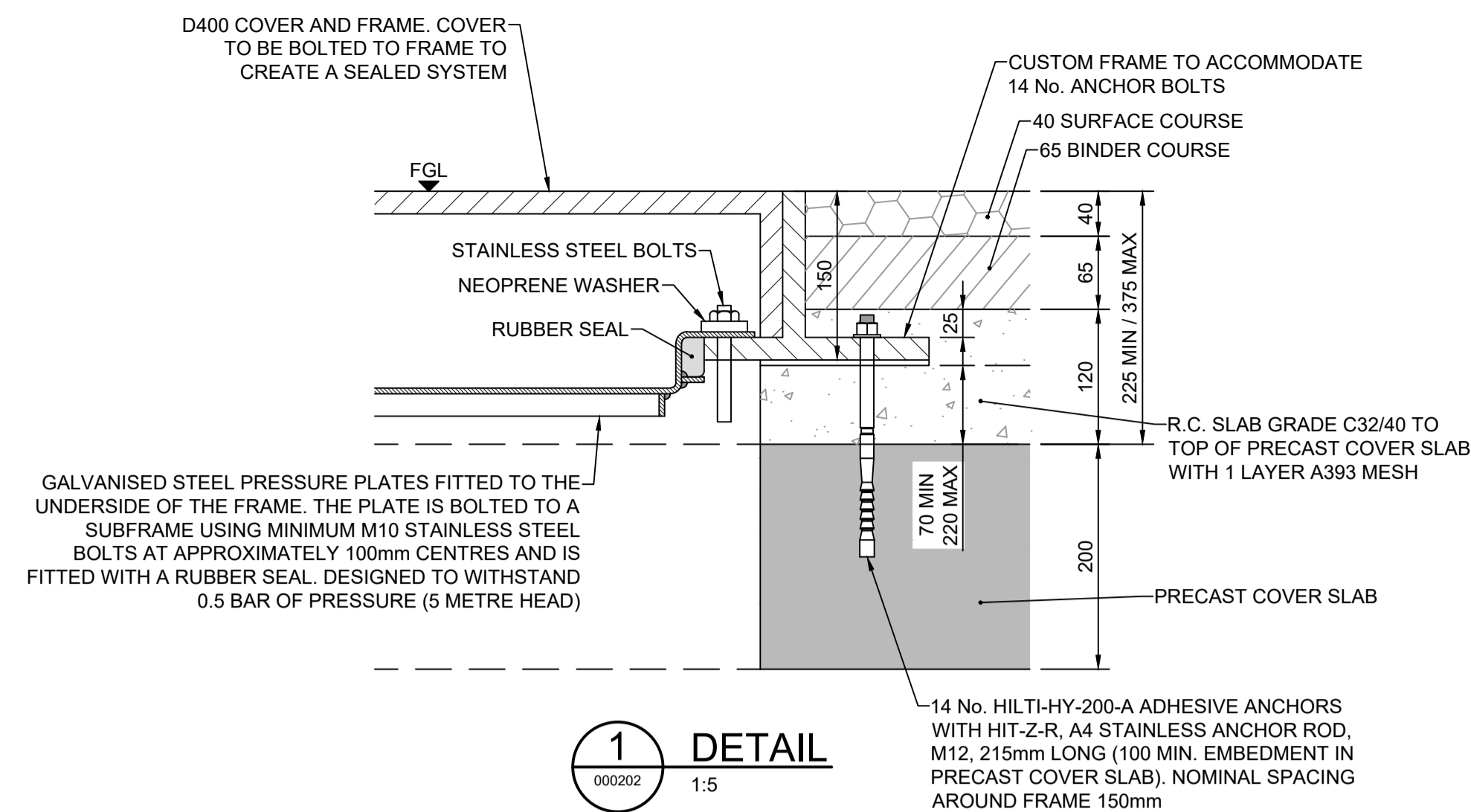


TYPICAL CHAMBER COVER DETAIL
TYPE 3 - 2400 DIA. RING
 (REFER TO MCHW HCD FIGURE F5)

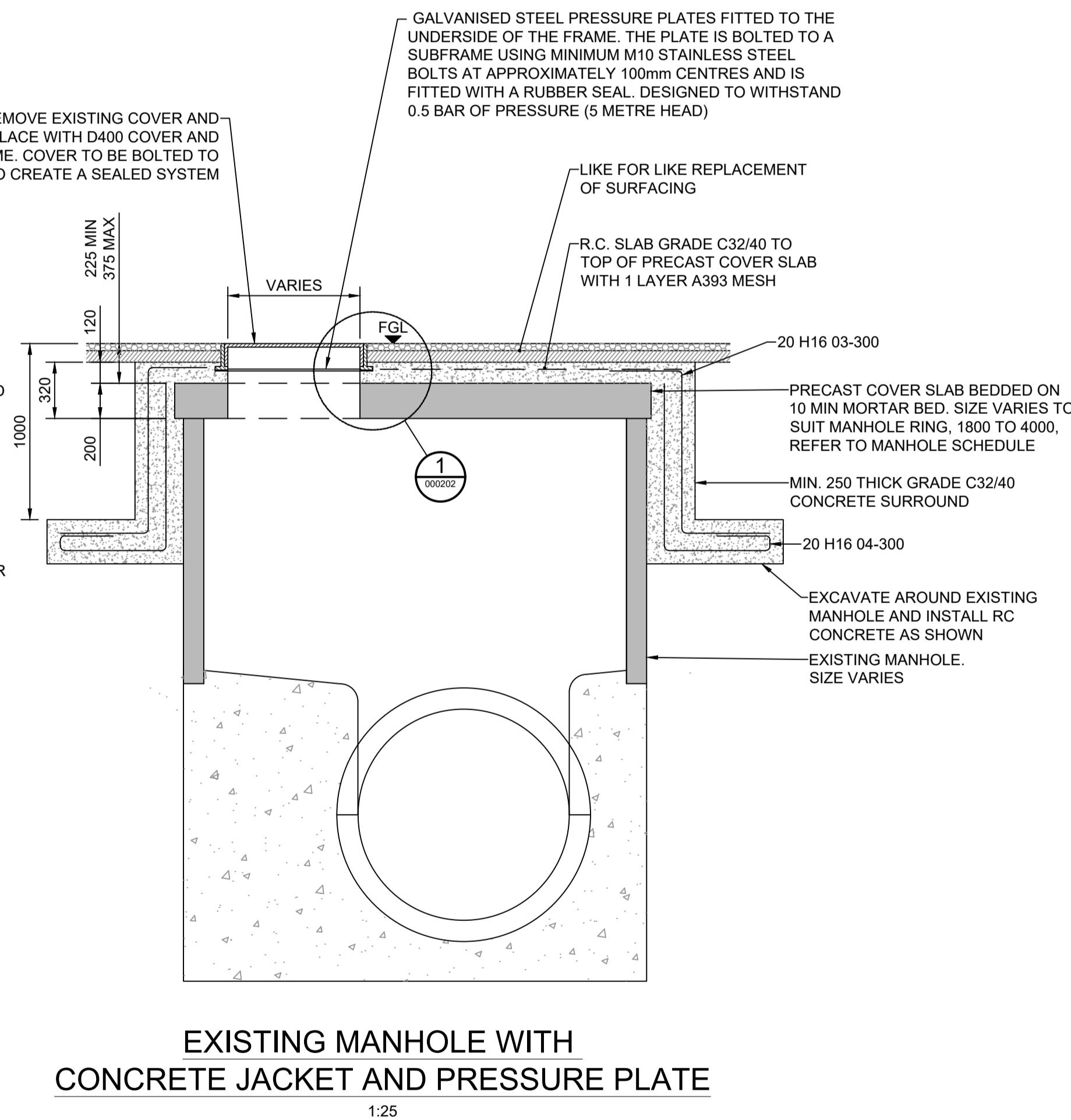
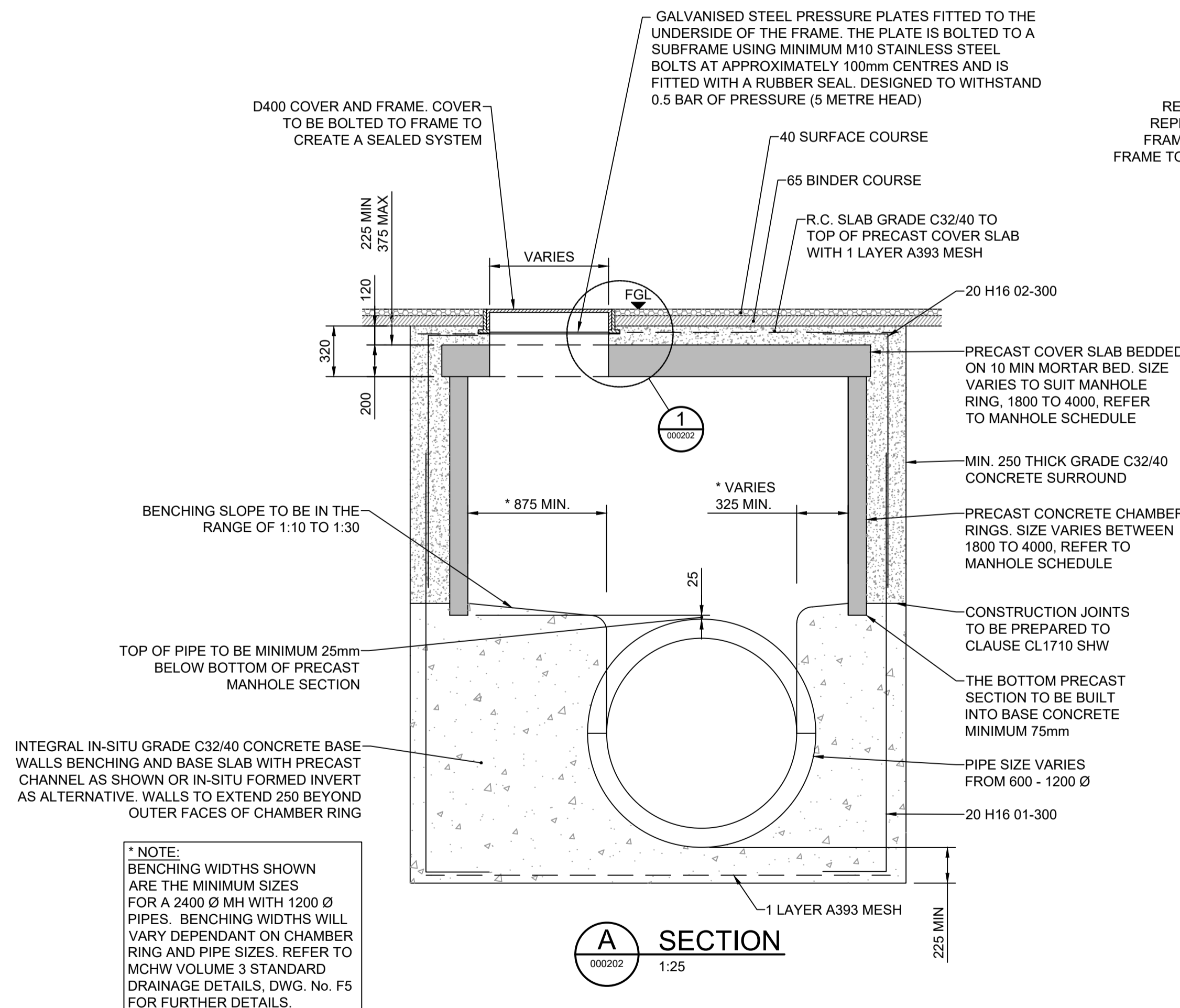


TYPICAL CHAMBER COVER DETAIL
TYPE 3 - 1800 DIA. RING
 (REFER TO MCHW HCD FIGURE F5)



TYPICAL CHAMBER COVER DETAIL
TYPE 3 - 2100 DIA. RING
 (REFER TO MCHW HCD FIGURE F5)

1:25



SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).



Construction
<ul style="list-style-type: none">• Requirement for services diversions in advance of works to install new currelt• Potential for encountering unplotted services or private underground services access to be maintained to residential and commercial properties• Presence of asbestos containing materials at Carrey Hir• Presence of contaminated soils in areas of former industrial use (land at Penrhifdin)• Maintaining of existing surface water flows• Sudden increase in flows
Maintenance / Cleaning
<ul style="list-style-type: none">• Trash screen will require regular inspection and clearance• Trash screen and outfall to be inspected after storm events• Attenuation tanks to be cleaned by high flow jetting• Silt/trap traps to be emptied to prevent cullbackage
Use
<ul style="list-style-type: none">• Trash screen will require regular inspection and clearance• Trash screen and outfall to be inspected after storm events• Attenuation tanks to be cleaned by high flow jetting• Silt/trap traps to be emptied to prevent cullbackage
Decommissioning / Demolition
<ul style="list-style-type: none">• Requirement for services diversions in advance of works to install new currelt• Potential for encountering unplotted services or private underground services access to be maintained to residential and commercial properties• Presence of asbestos containing materials at Carrey Hir• Presence of contaminated soils in areas of former industrial use (land at Penrhifdin)• Maintaining of existing surface water flows• Sudden increase in flows

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
2. ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM UNLESS OTHERWISE NOTED.
3. ALL WASTE MATERIAL TO BE DISPOSED TO CONTRACTORS LICENSED TIP.
4. CHAMBER WALLS AND COVER SLAB TO BE CONSTRUCTED IN PRECAST CONCRETE TO BS EN 1917 AND BS 5911-3.
5. MORTAR TO BE DESIGNATION (i) TO SHW SERIES 2400.
6. FOR DETAILS OF LADDER, HANDHOLD AND SAFETY CHAIN SEE HCD DRAWING NUMBER F10.
7. FOR DETAILS OF GUARDRAIL AND TOE HOLD SEE HCD DRAWING NUMBER F28.
8. SEE SHW, SUB CLAUSE 507.7 REGARDING BACKFILLING / SURROUND TO CHAMBER.
9. ALL ST CONCRETE SHALL BE TO SHW, CLAUSE 2602.
10. ALL RIGID PIPES CONNECTING TO MANHOLES AND STRUCTURES TO HAVE A MINIMUM OF 1 No. ROCKER PIPE AND 1 No. SHORT LENGTH PIPE. EFFECTIVE LENGTH TO BE AS FOLLOWS:
150 - 600 DIA = 600 LENGTH
600 - 750 DIA = 1000 LENGTH
750 - 950 DIA = 1250 LENGTH

11. FOR BAR SCHEDULE REFER TO NE05_001-ATK-GEN-SWMWREC-SH-CD-00000X
12. MINIMUM LAP FOR:
- | BAR DIA | LAP LENGTH |
|---------|------------|
| 16 | 850* |
13. COVER TO REINFORCEMENT TO BE 50mm UNLESS NOTED OTHERWISE.
14. CONCRETE SPECIFICATIONS AS BELOW
- | | |
|----------------------------|------------------------|
| GRADE OF CONCRETE | = C32/40 |
| MAXIMUM WATER CEMENT RATIO | = 0.50 |
| MINIMUM CEMENT CONTENT | = 340kg/m ³ |
| ALLOWABLE CEMENT TYPE | = CEM III A |
| MAX AGGREGATE SIZE | = 20mm |
| CHLORIDE CONTENTS CLASS | = CL 0.40 |
| CONSISTENCE CLASS | = S3 |

Description							
Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date	
Description							
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Description							
Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date	
S0	P01.2	AJ	---	---	---	10/04/2	

Drawing Suitability		Status		Project Title	
WORK IN PROGRESS		S0		GRANDISON BROOK	
 <p>SNC • LAVALIN ATKINS</p> <p>Member of the SNC-Lavalin Group</p> <p>Copyright © SNC Lavalin (2019)</p>		<p>West Glamorgan House 12 Orchard Street Swansea West Glamorgan SA1 5AD</p> <p>Tel: +44 (0)1792 641172 Fax: +44 (0)1792 472019 www.atkinsglobal.com</p>		<p>Drawing Title</p> <p>TYPICAL DETAILS SHEET 3 OF 3</p>	
<p>Client</p>  <p>NEATH PORT TALBOT BOROUGH COUNCIL</p>		<p>Drawing Number Originator Volume</p> <p>Project </p> <p>NE05_001 - ATK - GEN -</p> <p>SWMWREC - DR - CD - 000202</p> <p>Location Type Role Number</p>			
Original Size: A1		Scale: AS SHOWN		Project Ref. No: 5192793	
				Sheet: 3 of 3	
				Rev: P01.2	