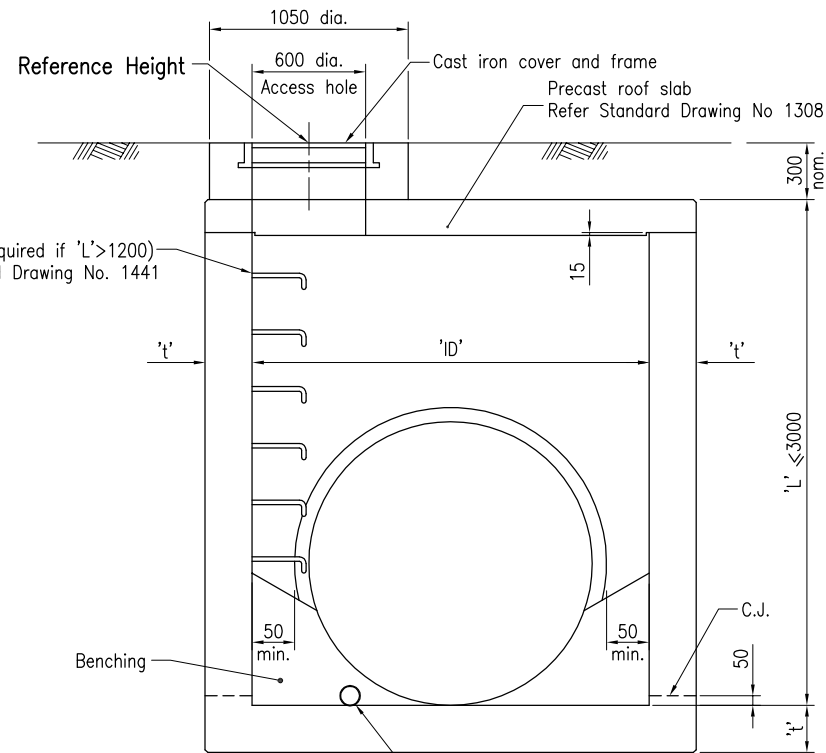


TYPICAL SECTION – ACCESS CHAMBER  
(FOR 3000 <math>'L' \le 5000</math>)

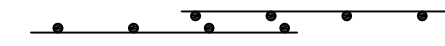
100 dia. uPVC slotted pipe stub, 1000 long with end cap, installed on the upstream side of access chamber (unless directed otherwise). The stub is required to dewater the pipe trench



TYPICAL SECTION – ACCESS CHAMBER  
(FOR <math>'L' \le 3000</math>)

100 dia. uPVC slotted pipe stub, 1000 long with end cap, installed on the upstream side of access chamber (unless directed otherwise). The stub is required to dewater the pipe trench

Min. lap = Two wires of one sheet to overlap corresponding bars of second sheet

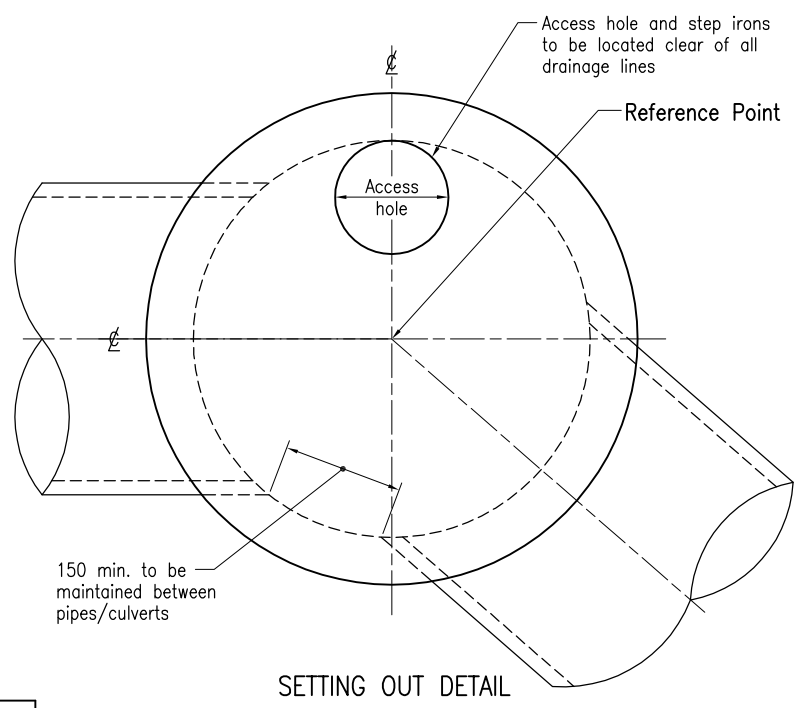


MESH LAP DETAIL

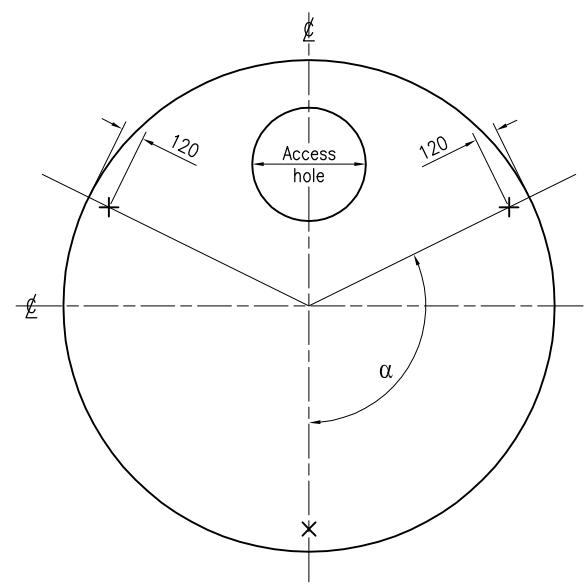
For all 'L'	
'ID'	't'
1050	225
1200	225
1500	225
1800	250
2100	250

- CONCRETE CLASS to be S40/20. Exposure classification B2 (Non-aggressive soil). In aggressive soil exposure classification C is required needing special design in accordance with AS 5100:2004.
- STEEL REINFORCEMENT to be read in conjunction with Standard Drawings 1043 and 1044. Reinforcing steel to be in accordance with AS/NZS 4671. Deformed bars Grade D500N. All reinforcing steel to be ACRS certified. Cover to reinforcing steel to be 45 unless shown otherwise.
- ALL EXPOSED EDGES to have 15 x 15 chamfers unless shown otherwise
- STEELWORK to be fabricated to the requirements of MRS11.78 Fabrication of Structural Steelwork.
- REFER PROJECT DRAWINGS for reference height, setting out reference point, size and height of culverts.
- PRECAST UNITS may be constructed to the manufacturers details, provided they conform to MRS11.70 Concrete and AS 5100:2004.
- LIVE LOAD SURCHARGE, earth pressure and ultimate load factors are in accordance with AS 5100:2004.
- LIFTING ANCHORS to be 'swiftilift' or equivalent, 1.8 tonne, galvanised to AS/NZS 4680 and fitted to manufacturer's specifications.
- WELDING SYMBOLS to AS 1101.3. Reinforcing Steel. All welds, except location tack welds, to be SP category. Tack welds for location purposes to AS/NZS 1554.3 Clauses 3.3.1 and 3.3.2. Welding consumables to be E4816, E4818 or W50X. Welding shall not be carried out within 75 of any bent portion of the bar.
- COVERS AND FRAMES shall comply with the requirements of AS 3996 Class D design load. Approved covers and frames are to be used.
- DIMENSIONS are in millimetres unless shown otherwise.

ASSOCIATED DOCUMENTS:  
Department of Main Roads Manual of Standard Drawings Roads  
Department of Main Roads Manual of Standard Specifications Roads  
REFERENCED DOCUMENTS:  
Standard Drawings:  
1308 Access Chamber – Roof Slabs 1050 to 2100 dia.  
1441 Access Chamber – Step Irons  
Standard Specifications:  
Drainage, Retaining Structures and Protective Treatments  
Australian Standards:  
AS 3996 Metal Access Covers, Road Grates and Frames

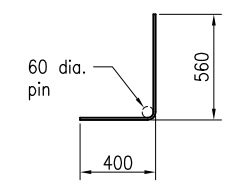


SETTING OUT DETAIL

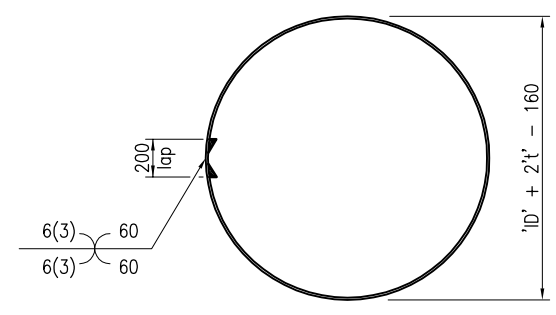


LIFTING ANCHOR LOCATIONS FOR PRECAST ROOF SLAB

$\alpha = 112^\circ$  for 1050–1200 dia.  
 $\alpha = 120^\circ$  for 1500–2100 dia.



DETAIL – 12D BAR



DETAIL – 12P BAR

1307

ACCESS CHAMBER	Queensland Government Department of Main Roads	
	Size A3	Drawing No
DETAILS 1050 TO 2100 DIA.	Scales	1307
	as	Date 3/07
	shown	A B