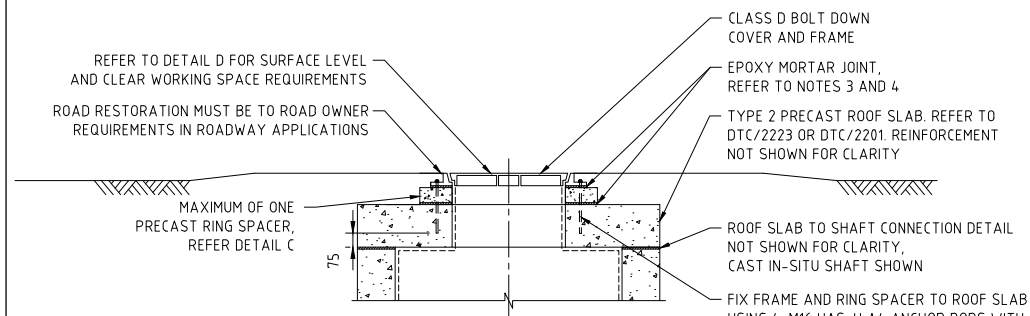


NOTES

1. MINIMUM CLEAR AND UNOBSTRUCTED VERTICAL WORKING SPACE ABOVE MAINTENANCE HOLE TO BE AS FOLLOWS SUBJECT TO SITE SPECIFIC SAFETY IN DESIGN
FOR SEWER \leq DN300: NO ABOVE GROUND OBSTRUCTIONS FOR AREA WITHIN 1m OF MH ACCESS COVER
FOR SEWER $>$ DN300: NO ABOVE GROUND OBSTRUCTIONS HIGH FOR AREA WITHIN ZONE OF INFLUENCE (AS DEFINED IN SYDNEY WATER BOA GUIDELINES)
2. CONFIRM LOCATION OF REINFORCEMENT BARS PRIOR TO DRILLING OF ANCHOR HOLES TO AVOID CLASHING WITH THE REINFORCEMENT BARS AND ENSURE ALL ANCHORS DO NOT HAVE CONTACT WITH THE REINFORCEMENT. ENSURE MIN. 70mm CLEAR DISTANCE FROM EDGE OF HOLE TO INTERNAL AND EXTERNAL FACES.
3. ABRASE AND WIRE BRUSH CLEAN JOINT SURFACES TO REMOVE LAITANCE PRIOR TO APPLYING 'SIKADUR-32' EPOXY RESIN PRIMER OR APPROVED EQUIVALENT.
4. APPLY 10 THICK 'SIKADUR-31' EPOXY MORTAR OR APPROVED EQUIVALENT TO LOWER COMPONENT WHILE EPOXY RESIN IS STILL TACKY, PRIOR TO PLACING UPPER COMPONENT.
5. PRECAST COMPONENTS TO HAVE A MINIMUM CONCRETE STRENGTH OF 25 MPa AT LIFTING.
6. SPREADER BARS MUST BE USED DURING LIFTING TO ENSURE LIFT FORCE IS VERTICAL AND LOADS TO ANCHORS ARE EQUALIZED.

REFERENCE DRAWINGS

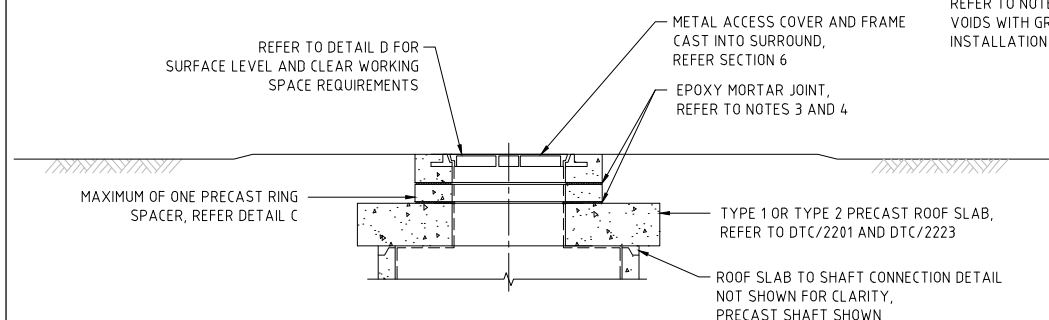
DTC/2000	MAINTENANCE HOLES - CAST IN-SITU CONSTRUCTION NOTES
DTC/2201	DN1800 MAINTENANCE HOLES CAST IN-SITU REINFORCED CONCRETE
DTC/2223	SEWERS DN500 - DN750 DEPTH TO INVERT 1.6m TO 10m
	DN1200 MAINTENANCE HOLES - ROOF SLAB DESIGN



DETAIL "A"

COVER AND SPACER DETAIL - ROADWAY APPLICATIONS

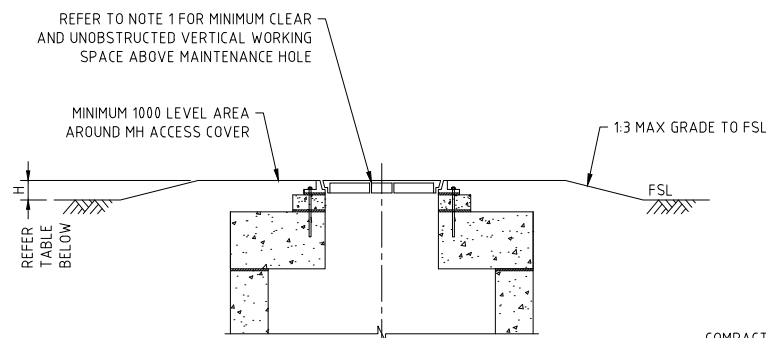
SCALE 1:20



DETAIL "B"

COVER AND SPACER DETAIL - NON-ROADWAY APPLICATIONS (INC. FOOTWAYS)

SCALE 1:20

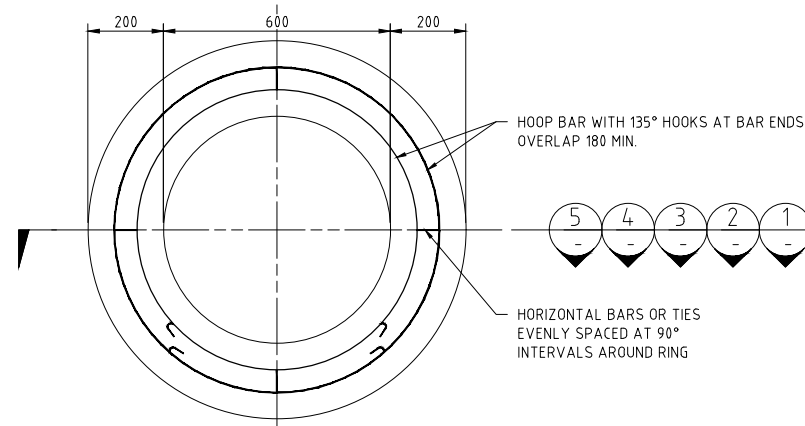


DETAIL "D"

FINISHED LEVELS ON M.H. COVERS

SCALE 1:20

FINISHED LEVELS OF MH COVERS	
LOCATION DESCRIPTION	H
UNDEVELOPED AREAS	100
ROADS, LANEWAYS, FOOTWAYS AND DRIVEWAYS	FLUSH
FLOOD PRONE AREAS (REFER TO DETAIL "E")	150 ABOVE 1:100 YEARS FLOOD LEVEL
NEW RESIDENTIAL DEVELOPMENT	75
EXISTING RESIDENTIAL DEVELOPMENT	25



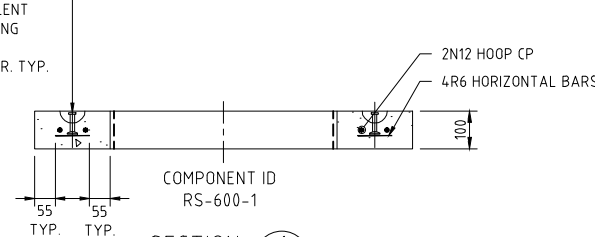
DETAIL "C"

PRECAST RING DETAIL

SCALE 1:10

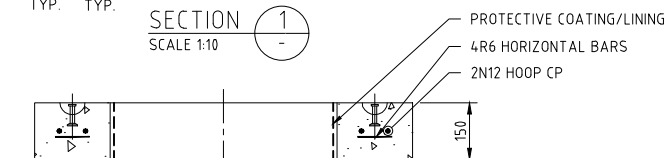
3 OFF EVENLY SPACED REID SWIFT LIFT FOOT ANCHOR CAST IN 1:31 SWL COMPLETE WITH RUBBER RECESS FORMER OR APPROVED EQUIVALENT REFER TO NOTE 5 & 6. FILL LIFTING VOIDS WITH GROUT AFTER INSTALLATION OF ACCESS COVER. TYP.

USE OF PRECAST RING SPACER COMPONENT TO SUIT DESIRED FINISH SURFACE LEVELS ON M.H. COVERS. MIN. 55mm COVER TO EXPOSED EDGES FOR ALL REINFORCEMENT U.N.O



SECTION 1

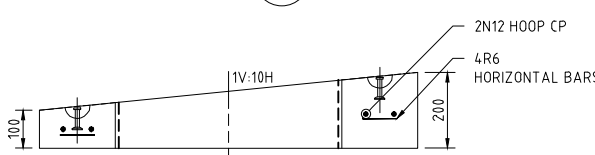
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COMPONENT ID RS-600-2

SECTION 2

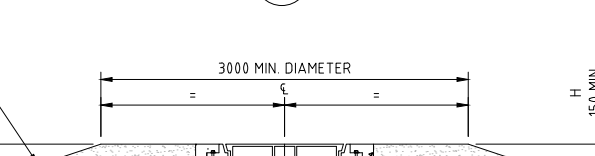
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COMPONENT ID RS-600-3

SECTION 3

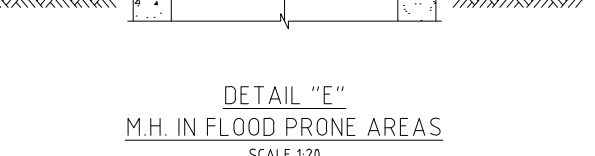
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COMPONENT ID RS-600-4

SECTION 4

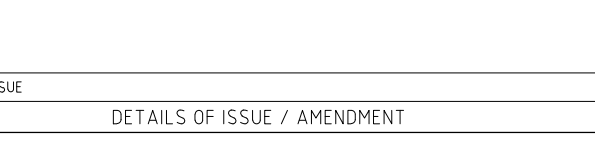
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COMPONENT ID RS-600-5

SECTION 5

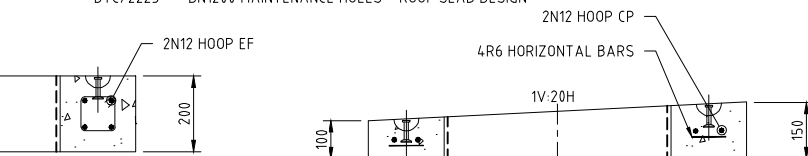
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COMPONENT ID RS-600-6

SECTION 6

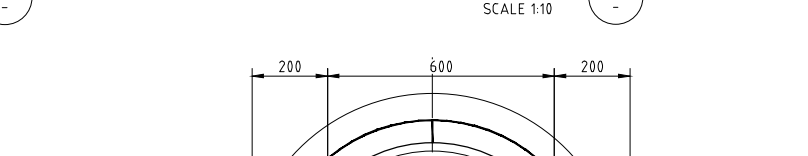
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COMPONENT ID RS-600-7

SECTION 7

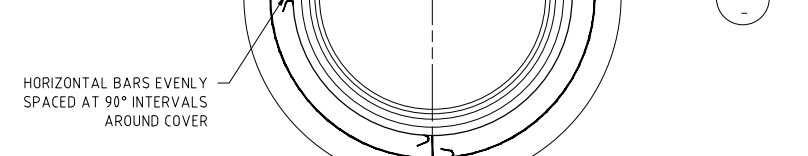
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COMPONENT ID RS-600-8

SECTION 8

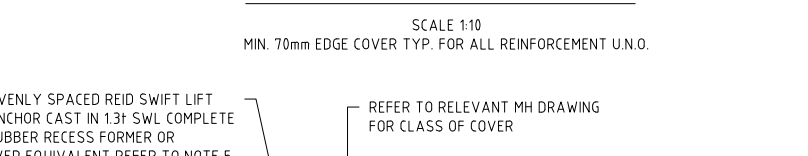
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COMPONENT ID RS-600-9

SECTION 9

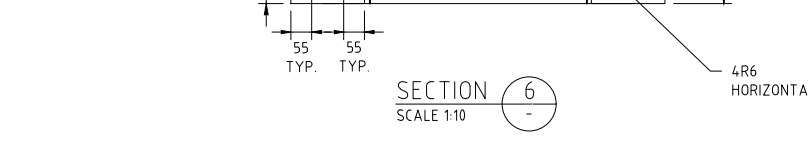
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COMPONENT ID RS-600-10

SECTION 10

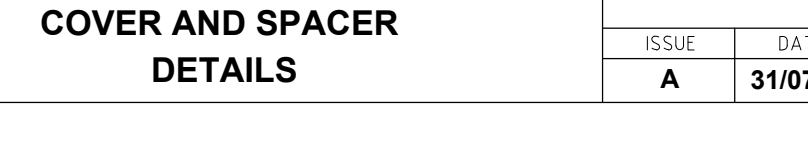
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COMPONENT ID RS-600-11

SECTION 11

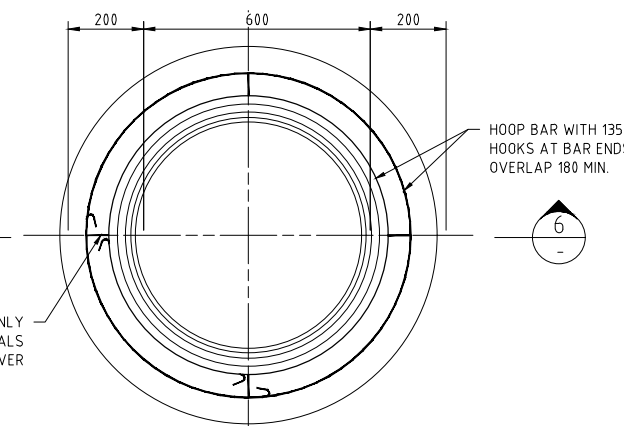
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COMPONENT ID RS-600-12

SECTION 12

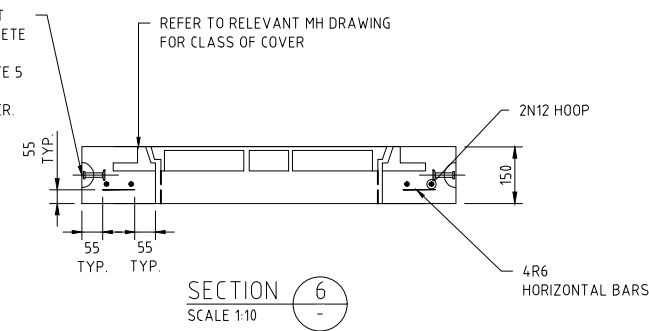
SCALE 1:10



PLAN - DN600 METAL ACCESS COVER AND FRAME WITH CONCRETE SURROUND

SCALE 1:10
MIN. 70mm EDGE COVER TYP. FOR ALL REINFORCEMENT U.N.O.

3 OFF EVENLY SPACED REID SWIFT LIFT FOOT ANCHOR CAST IN 1:31 SWL COMPLETE WITH RUBBER RECESS FORMER OR APPROVED EQUIVALENT REFER TO NOTE 5 & 6. FILL LIFTING VOIDS WITH GROUT AFTER INSTALLATION OF ACCESS COVER.



DETAIL "E"

M.H. IN FLOOD PRONE AREAS

SCALE 1:20

Sydney
WATER

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APPROVED

NORBERT SCHAEFER
ENGINEERING MODERNISATION MANAGER

ENGINEERING & TECHNICAL SUPPORT

A
LETTER

ORIGINAL ISSUE

DETAILS OF ISSUE / AMENDMENT

NS

31/07/24

APP'D

DATE

DEEMED TO COMPLY DRAWINGS

**MAINTENANCE HOLE DETAILS
COVER AND SPACER
DETAILS**

DTC**2224**

ISSUE

DATE

A**31/07/24**