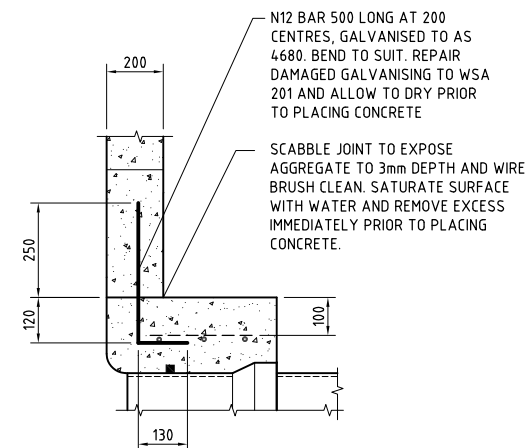
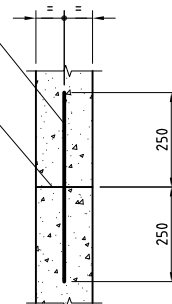


N12 BAR 500 LONG AT 200 CENTRES, GALVANISED TO AS 4680. BEND TO SUIT AT C.J. FOR STRAIGHT BACK TAPER. REPAIR DAMAGED GALVANISING TO WSA 201 AND ALLOW TO DRY PRIOR TO PLACING CONCRETE

SCABBLE JOINT TO EXPOSE AGGREGATE TO 3mm DEPTH AND WIRE BRUSH CLEAN. SATURATE SURFACE WITH WATER AND REMOVE EXCESS IMMEDIATELY PRIOR TO PLACING CONCRETE.

CONSTRUCTION JOINT (C.J.1)

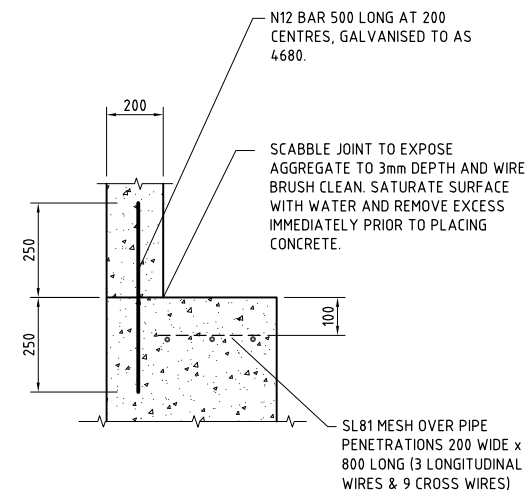
SCALE 1:10



CONSTRUCTION JOINT (C.J.2)

(AT PIPE PENETRATIONS)

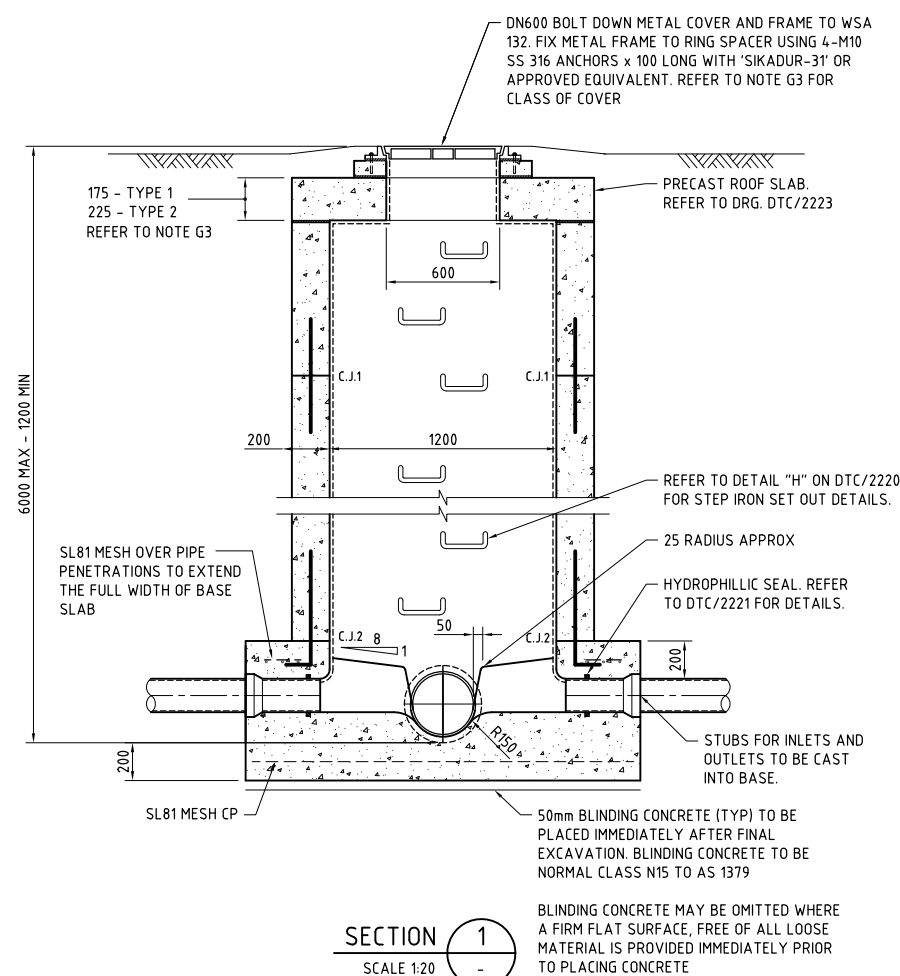
SCALE 1:10



CONSTRUCTION JOINT (C.J.2)

(WITHOUT PIPE PENETRATIONS)

SCALE 1:10



REFER TO DETAIL "H" ON DTC/2220 FOR FINISHED LEVEL OF MH COVERS

PRECAST RING SPACER REFER TO DETAIL "E" ON DTC/2220. MAKE JOINT BETWEEN METAL FRAME AND RING SPACER AND JOINT BETWEEN RING SPACER AND ROOF SLAB WITH 10 THICK EPOXY MORTAR 'SIKADUR-31' OR APPROVED EQUIVALENT. SCABBLE & PRIME SURFACES WITH 'SIKADUR-32' OR APPROVED EQUIVALENT PRIOR TO APPLICATION OF EPOXY MORTAR

STAINLESS STEEL OR PLASTIC ENCAPSULATED STEEL STEP IRONS TO WSA PS-314 AND AS1657. REFER TO DETAILS "G" AND "H" ON DTC/2220.

10 THICK 'SIKADUR-31' EPOXY MORTAR OR APPROVED EQUIVALENT. SCABBLE & PRIME SURFACES WITH 'SIKADUR-32' OR APPROVED EQUIVALENT PRIOR TO APPLICATION OF EPOXY MORTAR

VENT LINE (IF REQUIRED). REFER TO DETAIL "D" ON DTC/2220

PROTECTIVE COATING (IF REQUIRED). REFER NOTE G5.

CONSTRUCTION JOINT. REFER TO DETAIL.

FOUNDATION TO BE INSPECTED PRIOR TO PLACING BLINDING CONCRETE. REFER NOTE F1 ON DTC/2000.

R50 NOSING AT INLET AND OUTLET.

ROCKER PIPE (TYP).

REFER TABLE 1

SECTION 2

SCALE 1:20

NOTES:

- G1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE FOLLOWING:
- A. DTC/2000 MAINTENANCE HOLES CONSTRUCTION NOTES
 - B. DTC/2220 MAINTENANCE HOLES DETAILS - SHEET 1
 - C. DTC/2221 MAINTENANCE HOLES DETAILS - SHEET 2
 - D. DTC/2222 MAINTENANCE HOLES DETAILS - SHEET 3
 - E. DTC/2223 MAINTENANCE HOLES DETAILS - SHEET 4
- G2. NUMBER, SIZE, LOCATION AND LEVEL OF INLETS AND OUTLETS ARE INDICATIVE ONLY.
- G3. THIS DESIGN IS SUITABLE FOR:
- TYPE 1 PRECAST ROOF SLAB - CLASS B COVER**
AREAS WITHIN PRIVATE PROPERTIES, AND PUBLIC PLACES, PEDESTRIAN MALLS AND FOOTWAYS NOT SUBJECTED TO VEHICULAR LOADING OR HAVE NO ACCESS FOR VEHICLES.
- TYPE 2 PRECAST ROOF SLAB - CLASS D COVER**
FOOTWAYS AND DRIVEWAYS IN AREAS ZONED RESIDENTIAL NOT RESTRICTED TO VEHICLES, AND PARKLAND WITH NO RESTRICTION TO VEHICULAR ACCESS
- G4. THIS DESIGN IS NOT SUITABLE IN ROAD CARRIAGEWAY, FOR AREAS WHERE THE GROUND SLOPE IS GREATER THAN 1V:8H OR AREAS WHERE UNBALANCED LOADS ARE EXPECTED. THE MAINTENANCE HOLE SHALL BE LOCATED OUTSIDE THE ZONE OF INFLUENCE OF OTHER STRUCTURES.
- G5. FOR DN375 AND DN450 SEWERS, ALL INTERNAL SURFACES (EXCLUDING BENCHING) OF MAINTENANCE HOLES SHALL BE PROVIDED WITH A PROTECTIVE COATING IN ACCORDANCE WITH WSA 201 AND SYDNEY WATER SUPPLEMENT. COATING SYSTEM SHALL BE CPL, EUH OR NOV.
- FOR DN150 - DN300 SEWERS, ALL INTERNAL SURFACES (EXCLUDING BENCHING) OF MAINTENANCE HOLES AT THE DISCHARGE OF PUMPED FLOWS AND THE NEXT TWO MAINTENANCE HOLES DOWNSTREAM OF A PUMPED DISCHARGE SHALL BE PROVIDED WITH A PROTECTIVE COATING IN ACCORDANCE WITH WSA 201 AND SYDNEY WATER SUPPLEMENT. COATING SYSTEM SHALL BE CPL, EUH OR NOV.

TABLE 1 ROCKER PIPE DIMENSIONS		
SIZE (DN)	"L" MIN	"L" MAX
150	300	450
225	450	650
300	600	900
375	750	1150
450	900	1350

Sydney WATER

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APPROVED

PETER GILLMAN
MANAGER E & ES

ENGINEERING & ENVIRONMENTAL SERVICES

E	WALL THICKNESS REDUCED, REVISED PROTECTIVE COATING SPECIFICATION, REVISED ACCESS COVER AND ROOF SLAB CONNECTION ARRANGEMENT, INLET SIZE LIMITATION ADDED, NOTES REVISED, GENERAL REVISION	RL	18/03/15
D	NOTE G5 ADDED. ROCKER PIPE DIMENSIONS AMENDED	RL	22/04/13
C	GENERAL REVISION. REVISED ROOF SLAB. INCREASED SIZE RANGE TO DN450	RL	01/03/13
B	MINOR REVISION	RL	04/07/12
A	ORIGINAL ISSUE	PJG	29/03/12
LETTER	DETAILS OF ISSUE / AMENDMENT	APP'D	DATE

DEEMED TO COMPLY DRAWINGS

DN1200 MAINTENANCE HOLES
CAST IN-SITU PLAIN CONCRETE WALL
SEWERS ≤ DN450
DEPTH TO INVERT 1.2m TO 6m

DTC
2202

ISSUE	DATE
E	18.03.15