

NOTES:

1. MAXIMUM INLET OR OUTLET SEWER SIZE = DN450.
2. FOR SEWER CONNECTION DETAILS REFER TO DTC/2259.
3. THIS DESIGN IS SUITABLE FOR:

TYPE 1 NON-TRAFFICABLE PRECAST SHAFT - CLASS B COVER
AREAS WITHIN PRIVATE PROPERTIES, AND PUBLIC PLACES, PEDESTRIAN MALLS AND FOOTWAYS NOT SUBJECTED TO VEHICULAR LOADING AND PREVENTED FROM ACCIDENTAL VEHICLE LOADING BY MEANS OF PHYSICAL BARRIERS (e.g. BOLLARDS, TRAFFIC BARRIERS, OR KERBS HIGHER THAN 300mm).

TYPE 2 TRAFFICABLE PRECAST SLAB - CLASS D COVER
FOOTWAY AND DRIVEWAYS IN AREAS ZONED RESIDENTIAL NOT RESTRICTED TO VEHICLES, PARKLAND WITH NO RESTRICTION TO VEHICULAR ACCESS AND ROAD CARRIAGEWAYS & DRIVEWAYS WITH A TRAFFIC LOAD UP TO W80 WHEEL LOAD AND A160 AXLE LOAD.

4. THE MAINTENANCE HOLE MUST BE LOCATED OUTSIDE THE ZONE OF INFLUENCE OF OTHER STRUCTURES.
5. FOR DN375 AND DN450 SEWERS, ALL INTERNAL SURFACES (EXCLUDING BENCHING) OF MAINTENANCE HOLES MUST BE PROVIDED WITH A PROTECTIVE COATING IN ACCORDANCE WITH WSA 201 AND SYDNEY WATER SUPPLEMENT. COATING SYSTEM MUST 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 MUST BE PROVIDED WITH A PROTECTIVE COATING IN ACCORDANCE WITH WSA 201 AND SYDNEY WATER SUPPLEMENT. COATING SYSTEM MUST BE CPL, EUH OR NOV.

6. MINIMUM CLEAR AND UNOBSTRUCTED VERTICAL WORKING SPACE ABOVE MAINTENANCE HOLE TO BE AS FOLLOWS:

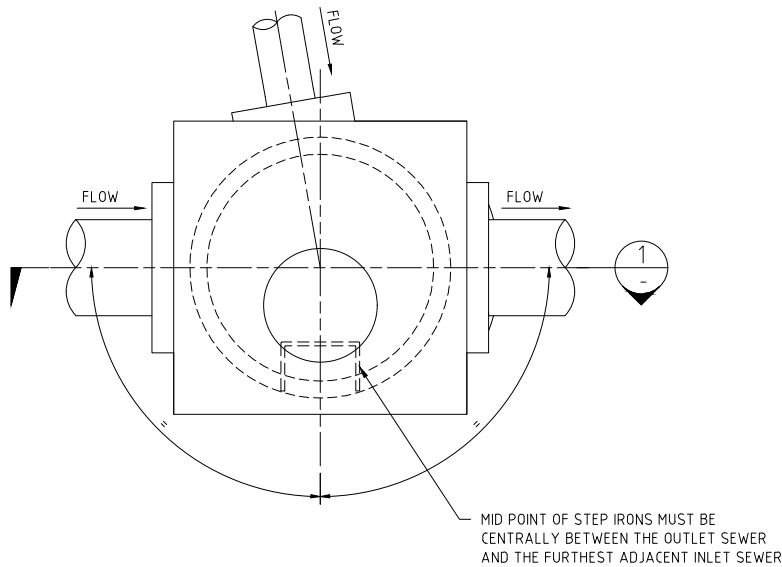
FOR SEWER ≤ DN300: NO ABOVE GROUND OBSTRUCTIONS WITHIN 1m OF MH ACCESS COVER
FOR SEWER > DN300: NO ABOVE GROUND OBSTRUCTIONS WITHIN ZONE OF INFLUENCE (AS DEFINED IN SYDNEY WATER TECHNICAL GUIDELINES - BUILDING OVER AND ADJACENT TO PIPE ASSETS)

7. PRECAST UNITS TO BE SELECTED TO MINIMIZE THE NUMBER OF JOINTS AND FOR JOINTS TO BE AS LOW AS POSSIBLE.

8. MINIMUM CLEAR AND UNOBSTRUCTED STANDING AREA AT BASE OF MAINTENANCE HOLE MUST BE 2x250mm DIAMETER.

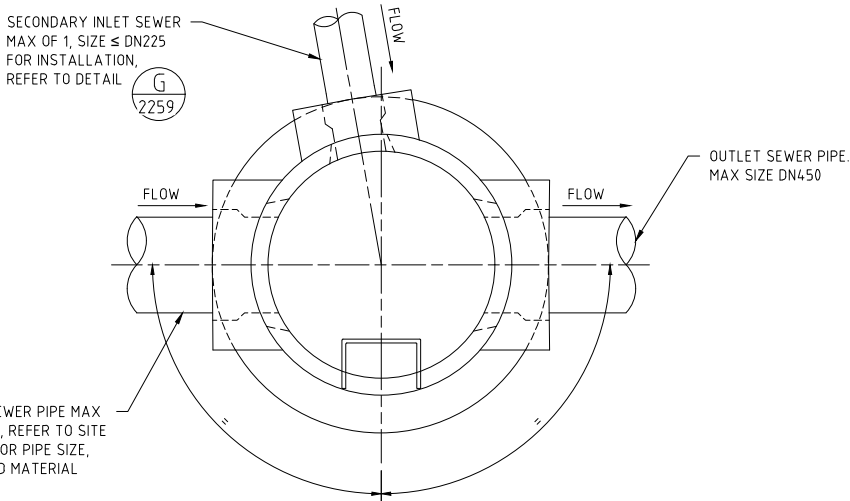
REFERENCE DRAWINGS

DTC/2220	MAINTENANCE HOLES DETAILS - SHEET 1
DTC/2223	DN1200 MAINTENANCE HOLES - ROOF SLAB DESIGN
DTC/2224	MAINTENANCE HOLE DETAILS - COVER AND SPACER DETAILS
DTC/2251	MAINTENANCE HOLES - PRECAST DN1200 NOTES, INSTRUCTIONS & DRAWING LIST
DTC/2256	MAINTENANCE HOLES - PRECAST DN1200 SHAFT RING DETAILS
DTC/2258	DN1200 MAINTENANCE HOLES - PRECAST BASE SLAB FOR DN300 - DN450 SEWERS - GENERAL PLAN AND REINFORCEMENT
DTC/2259	MAINTENANCE HOLES - PRECAST PIPEWORK PENETRATION DETAILS
DTC/2260	MAINTENANCE HOLES - PRECAST COMPONENTS MISCELLANEOUS DETAILS



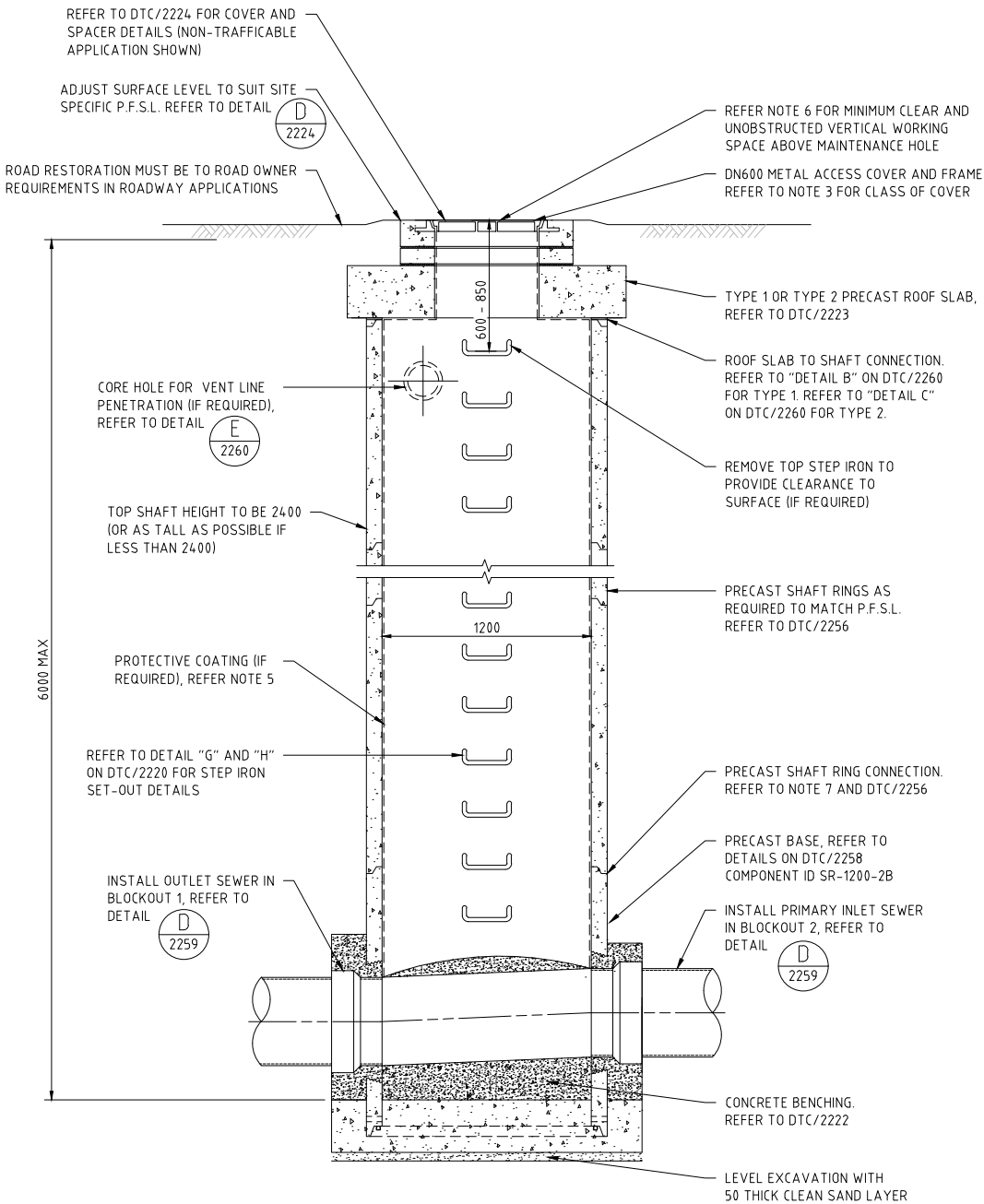
MAINTENANCE HOLE - PLAN AT ROOF/COVER LEVEL

SCALE 1:20
ONLY SEWERS LOCATED AT THE MH INVERT SHOWN. HIGH LEVEL CONNECTIONS (e.g. VENT LINE) NOT SHOWN FOR CLARITY



MAINTENANCE HOLE - PLAN AT BASE LEVEL

SCALE 1:20
ONLY SEWERS LOCATED AT THE MH INVERT SHOWN. HIGH LEVEL CONNECTIONS (e.g. VENT LINE) NOT SHOWN FOR CLARITY



SECTION 1
SCALE 1:20

SHOWN FOR TYPE 1 - TYPE 2 SIMILAR

APPROVED

NORBERT SCHAEFER
ENGINEERING MODERNISATION MANAGER

ENGINEERING & TECHNICAL SUPPORT

B	GENERAL UPDATE	NS	31/07/24
A	ORIGINAL ISSUE	KW	22/06/15
LETTER	DETAILS OF ISSUE / AMENDMENT	APP'D	DATE

DEEMED TO COMPLY DRAWINGS

**DN1200 MAINTENANCE HOLES - PRECAST
FOR DN300 - DN450 SEWERS, <6m DEEP
GENERAL ARRANGEMENT**

DTC

2254

ISSUE DATE

B 31/07/24