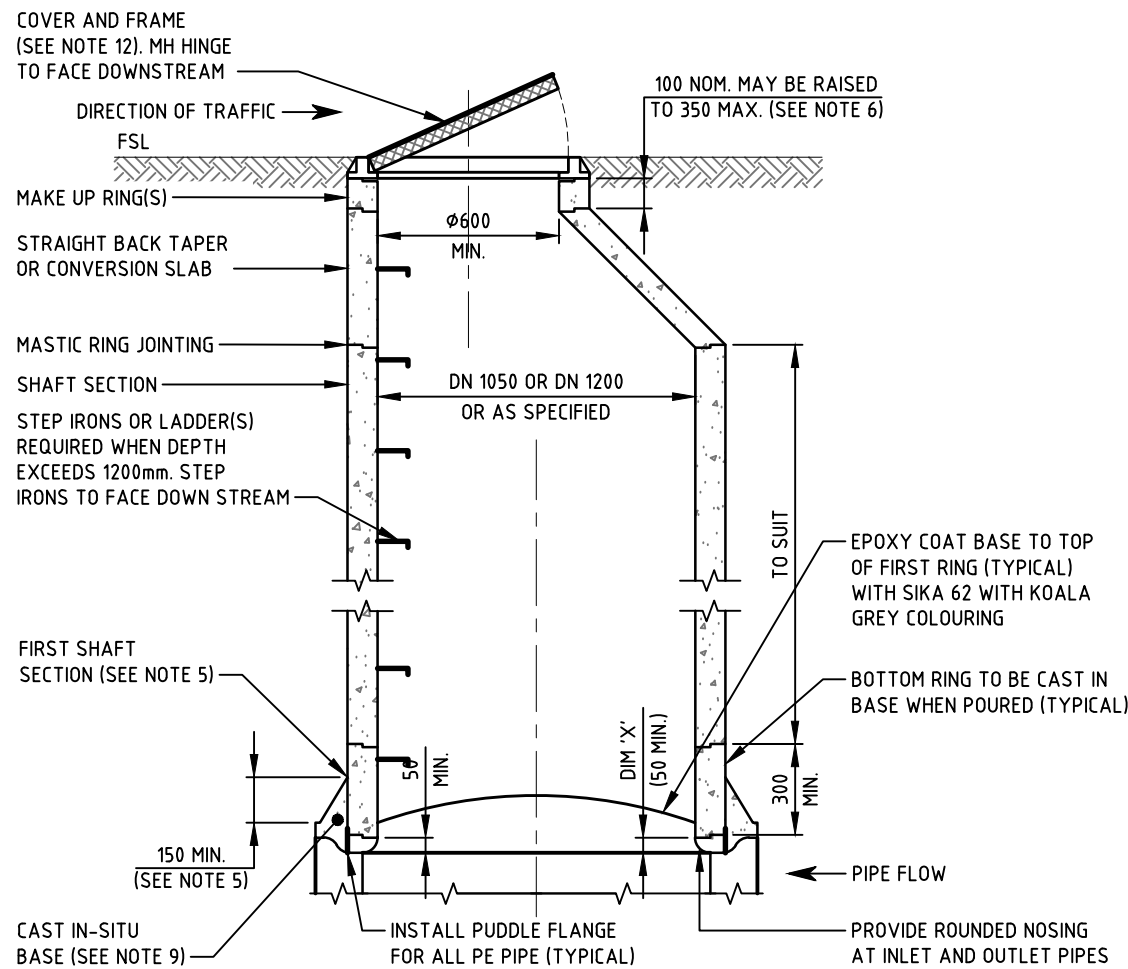


MAINTENANCE HOLE TYPE P1
FOR COMPONENT DEPTH ≤ 1200



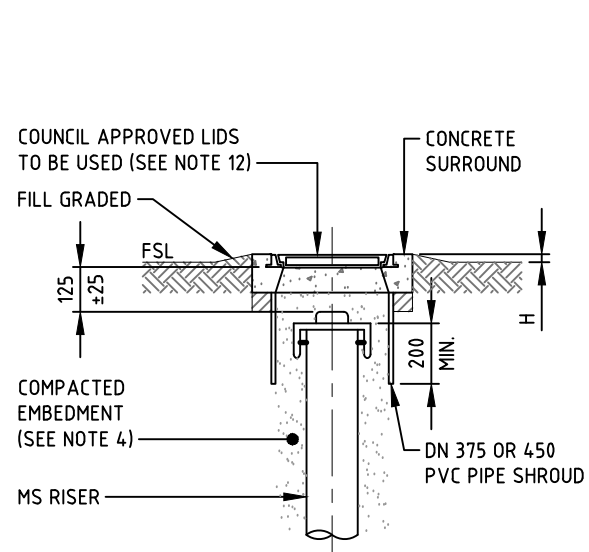
MAINTENANCE HOLE TYPE P2
FOR COMPONENT DEPTH 1200 TO 6000

TYPICAL USE	CLASS
AREAS (INCLUDING FOOTWAYS) ACCESSIBLE ONLY TO PEDESTRIANS AND PEDAL CYCLISTS AND CLOSED TO OTHER TRAFFIC (EXTRA-LIGHT DUTY)	A
AREAS (INCLUDING FOOTWAYS AND LIGHT TRACTOR PATHS) ACCESSIBLE TO VEHICLES (EXCLUDING COMMERCIAL VEHICLES) OR LIVESTOCK (LIGHT DUTY)	B
MALLS AND AREAS OPEN TO SLOW MOVING COMMERCIAL VEHICLES (MEDIUM DUTY)	C
CARRIAGEWAYS OF ROADS AND AREAS OPEN TO COMMERCIAL VEHICLES	D
GENERAL DOCKS AND AIRCRAFT PAVEMENTS (EXTRA HEAVY DUTY - E)	E

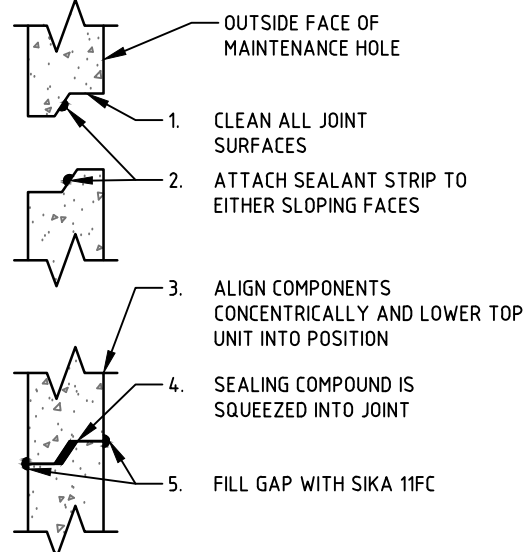
LOCATION	H
UNDEVELOPED AREA	100
NEW SUBDIVISIONS	75
ROADS, LANE WAYS, FOOTWAYS & DRIVEWAYS	FLUSH
EXISTING BUILT UP AREAS	25

CALCULATING TOTAL PRECAST COMPONENT DEPTH
(REFER TO NOTE 4)

TOTAL DEPTH OF PRECAST COMPONENT = DEPTH TO INVERT OF HIGHEST NON-DROP INLET PIPE MINUS (ID OF INLET PIPE + PIPE WALL THICKNESS + DIM "X")



MAINTENANCE SHAFT



MASTIC JOINT DETAILS

NOTE: INSPECT COMPONENTS TO ENSURE THERE IS NO DAMAGE TO JOINT SURFACES

- NOTES:**
- ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS NOTED OTHERWISE.
 - PROVIDE ROUNDED NOSING ON INLET AND OUTLET PIPE TO PREVENT DAMAGE TO JETTING EQUIPMENT AND CCTV GUIDES AND CABLES, SEE WSC-SEW-006.
 - CONSTRUCTION MAY BE PRECAST OR IN-SITU TO SUIT APPLICATION (COUNCIL AUTHORISATION REQUIRED).
 - IN WATER CHARGED GROUND OR WHERE THERE IS SIGNIFICANT RISK OF SURCHARGE USE ONLY CAST IN-SITU MH.
 - LOCATION OF FIRST SHAFT SECTION:
 - FIRST SHAFT SECTION TO BE BETWEEN 300-600 LONG TO ALLOW FORMING OF CHANNEL AND BENCH
 - WHERE STEP IRONS ARE USED, CORRECTLY ORIENTATE BOTTOM STEP TO FACE DOWNSTREAM
 - PRIME COMPONENT 200 FROM BOTTOM WITH CEMENT SLURRY
 - EMBED SHAFT SECTION 50 INTO WET CONCRETE BUILD-UP OUTSIDE FILLET TO 150.
 - MAKE-UP RINGS:
 - ONLY ONE MAKE-UP RING (PREFERABLY 100 OR 150) PER MH DURING CONSTRUCTION TO ALLOW FOR FUTURE SURFACE ADJUSTMENT WITHOUT AFFECTING THE SHAFT SECTIONS
 - SEE [SEW-1308](#) FOR TAPERED MAKE UP RING ON SLOPING GROUND.
 - BACKFILL AROUND MH:
 - THE METHOD OF BACKFILL AND COMPACTION AROUND MH TO BE GENERALLY AS FOR PIPE EMBEDMENT
 - TAKE CARE TO RAISE SELECT FILL EQUALLY ALL AROUND THE MH TO AVOID UNBALANCED LATERAL LOADING.
 - FOR MH TYPE P2 INSTALL STEP IRONS OR LADDERS IN ACCORDANCE WITH COUNCIL REQUIREMENTS.
 - CONCRETE BASE TO BE 25Mpa, MIN. 1 CMTR PER MANHOLE.
 - FOR PIPE CONNECTIONS TO MH SEE [SEW-1302](#).
 - WHERE THERE IS SIGNIFICANT RISK OF INFILTRATION OR TREE ROOT INTRUSION APPLY AN EXTERNAL BITUMASTIC SEAL TAPE 150 WIDE OVER A COAT OF MANUFACTURERS RECOMMENDED PRIME SEAL TO ALL JOINTS.
 - FOR LOAD CLASS OF MH/MS COVER AND FRAME, REFER TO TABLE 1 AND FINISH SURFACE LEVELS, REFER TO TABLE 2. COUNCIL APPROVED LIDS TO BE USED.
 - MH TYPE C2 TO BE USED < 6000 DEPTH CAST IN-SITU ONLY. SEE [SEW-1301](#).
 - EXTERNAL DROP JUNCTION REFER TO [SEW-1303](#).

ISSUE	AMENDMENTS	DRAWN	DATE



DRAWN M. MOLINA

SCALE N.T.S.

SHEET SIZE: A3

WINGECARRIBEE SHIRE COUNCIL

MAINTENANCE HOLES
SEWERS ≤ DN 300

DATE: 02/05/2017 PLAN No: WSC-SEW-005 SHEET 05 OF XX ISSUE: A

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