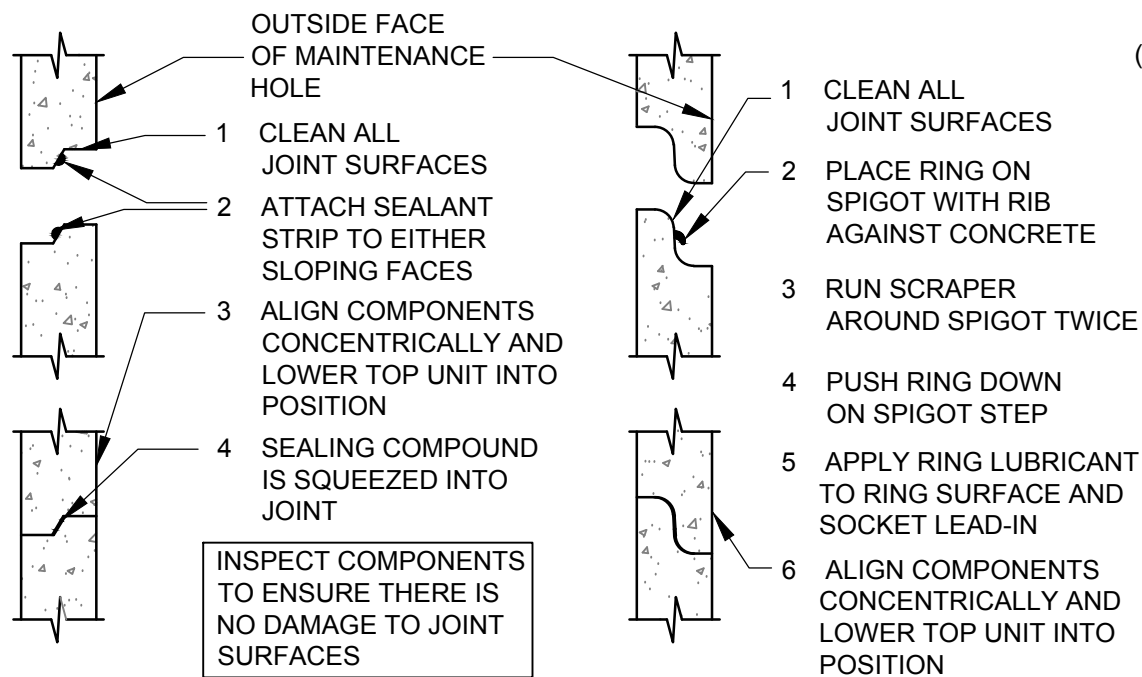


### PRECAST MAINTENANCE HOLE FOR COMPONENT DEPTH ≤ 1200

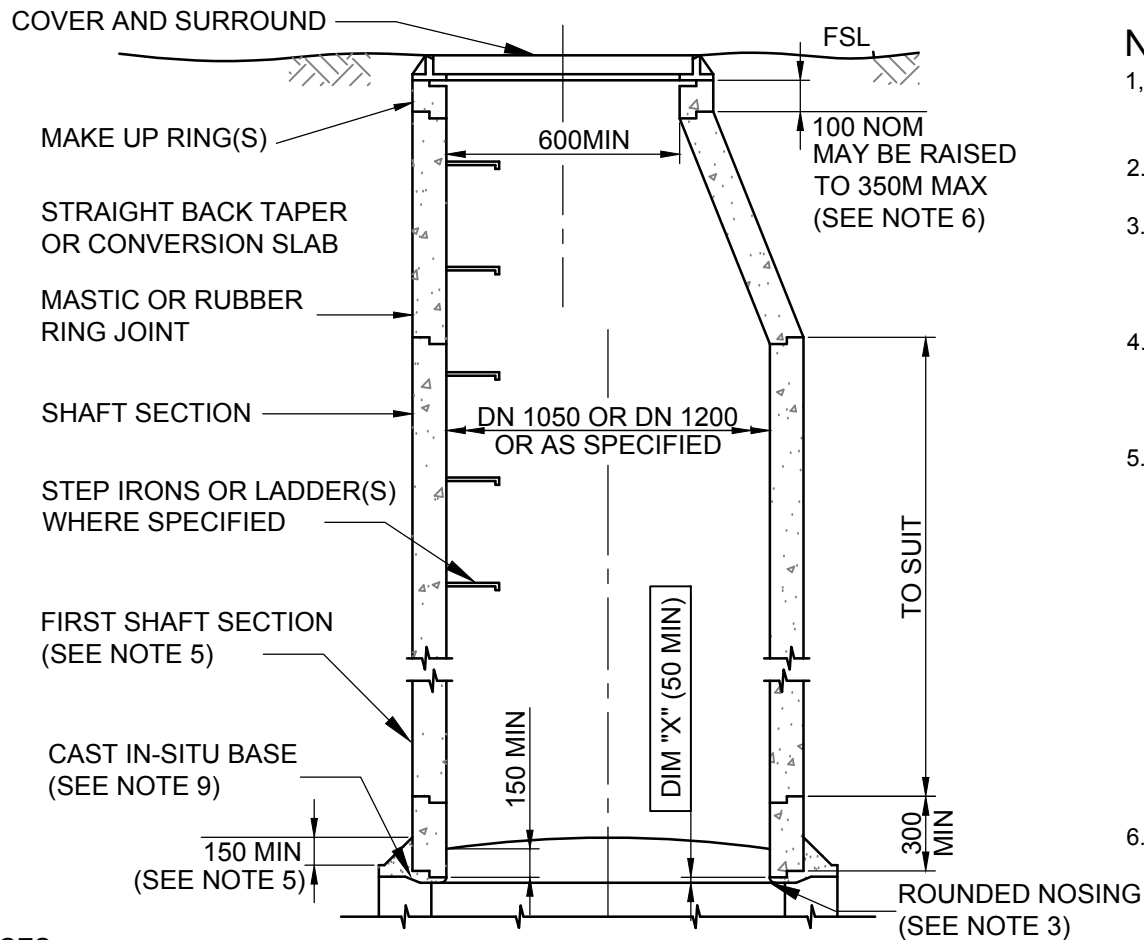


#### MASTIC JOINT DETAILS

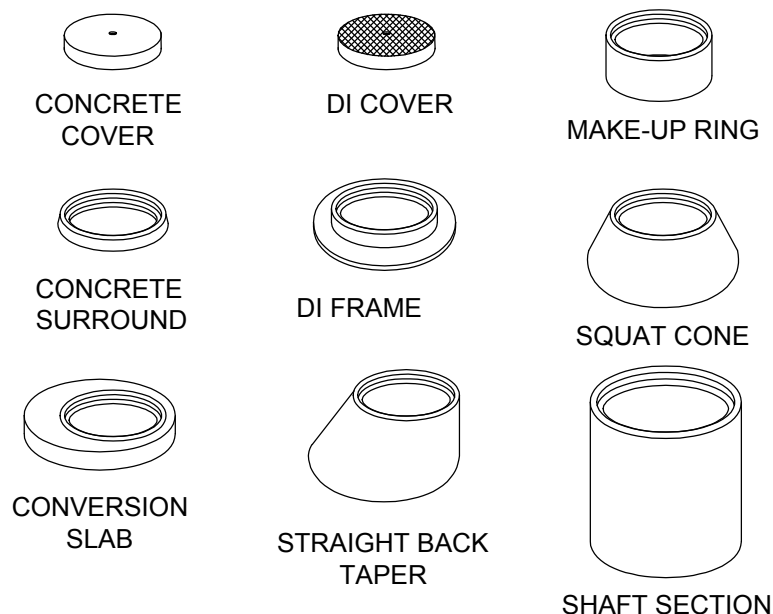
#### RUBBER RING JOINT DETAILS

#### CALCULATING TOTAL PRECAST COMPONENT DEPTH (REFER NOTE 5)

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



### PRECAST MAINTENANCE HOLE FOR COMPONENT DEPTH 1200 TO 6000



#### NOTES:

- ALL PRECAST COMPONENTS TO BE WSA COMPLIANT.
- ALL DIMENSIONS IN MILLIMETRES.
- PROVIDE ROUNDED NOSING ON INLET AND OUTLET PIPE TO PREVENT DAMAGE BY JETTING EQUIPMENT AND CCTV GUIDES AND CABLES.
- CONSTRUCTION MAY BE A COMBINATION OF PRECAST AND IN-SITU TO SUIT APPLICATION AUTHORISATION REQUIRED.
- LOCATION OF THE 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.
  - PRIME COMPONENT 200 FROM BOTTOM WITH CEMENT SLURRY OR WITH WET AND DRY BONDING AGENT.
  - FORM CHANNEL IN THE BASE.
  - ALLOW BASE TO CURE 7 DAYS BEFORE PLACING ADDITIONAL CHAMBER UNITS.
- MAKE-UP RINGS:
  - USE MINIMUM ONE MAKE-UP RING (PREFERABLY 100 OR 150) PER MANHOLE DURING CONSTRUCTION TO ALLOW FOR FUTURE SURFACE ADJUSTMENT WITHOUT AFFECTING THE SHAFT SECTION.
  - USE 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 >1200 INSTALL STEP IRONS OR LADDER.
- CONCRETE BASE TO BE SPECIAL CLASS.
- WHERE THERE IS SUFFICIENT RISK OF INFILTRATION OR TREE ROOT INTRUSION APPLY AN EXTERNAL BITUMASTIC SEAL TAPE 150 WIDE OVER THE COAT OF MANUFACTURERS RECOMMENDED PRIME SEAL TO ALL JOINTS.
- ALL NEW MH SHALL HAVE CAST DI COVERS WITH CONCRETE SURROUNDS. ALL INSTALLATIONS SHALL BE CLASS D, ALTERNATE OPTIONS REQUIRE COUNCIL APPROVAL.

**Armidale** Dept of Public  
Regional Council Infrastructure

SCALES  
NTS

APPROVED D. MAUNDER 31/08/2016  
MANAGER ENGINEERING AND STANDARDS SUPPORT DATE

SHEET 1 OF 1

PRECAST SEWER MAINTENANCE HOLES  
SEWERS ≤ DN300  
DEPTH ≤ 1200 AND 1200-6000

SURV	AS SHEET SIZE	DRAWING No	AMDT No
DRWN GW	A3	010-029	
DES			
CHKD MW	CADFILE 010-029.dwg	DATE 31/08/2016	