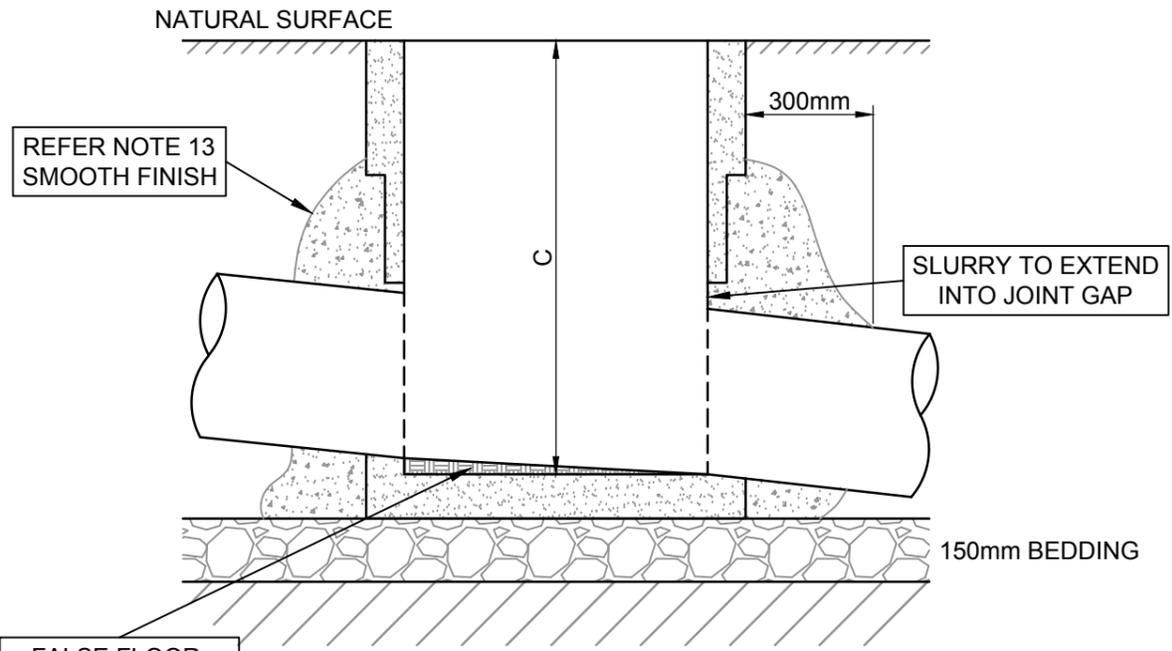


PLAN



ELEVATION

MAX PIPE SIZE FOR 45° ENTRY ANGLE	
A x B x C	PIPE
450 x 450 x 450	NONE
600 x 600 x 600	225mm Ø
600 x 600 x 750	225mm Ø
900 x 750 x 600	225mm Ø
900 x 900 x 600	225mm Ø
900 x 750 x 900	375mm Ø
900 x 900 x 900	375mm Ø
900 x 900 x 1200	375mm Ø
1200 x 1200 x 1200	525mm Ø

NOTES

1. PRECAST CONCRETE STORMWATER PITS THAT ARE DAMAGED WITH UNACCEPTABLE DEFECTS SHALL BE DISCARDED.
2. PRECAST UNIT SHALL BE FINISHED TO DESIGN SURFACE LEVELS.
3. ALL EXCAVATION MUST BE 150mm CLEAR OF THE PRECAST UNIT.
4. A 150mm LAYER OF COMPACTED GRANULAR BEDDING MATERIAL SHALL BE PROVIDED UNDER THE UNIT.
5. DO NOT OVERSIZE THE KNOCKOUT HOLE. ONLY THE REQUIRED SIZE HOLE TO ACCOMMODATE THE OUTSIDE PIPE DIAMETER SHOULD BE REMOVED. KNOCKOUT MATERIAL SHALL BE FIRSTLY CUT AROUND PERIMETER THEN GENTLE TAPPING OF EXCESS MATERIAL TO SUITE PIPE SIZE.
6. NOTHING OUTSIDE THE PRESCRIBED KNOCKOUT SECTION IS TO BE REMOVED.
7. PIPES SHALL NOT ENTER THE PIT. BUT CUT FLUSH WITH INSIDE FACE.
8. PIPES SHALL SIT FLUSH WITH THE KNOCKOUT LEDGE. WHERE THE BASE OF THE PIT IS LOWER THAN PIPE INVERT A FALSE FLOOR SHALL BE PORED. THE FLOOR SHALL BE GRADED BETWEEN UPSTREAM AND DOWNSTREAM PIPE INVERTS WITH A SMOOTH FINISH.
9. ALL SUBSOIL DRAINAGE CONNECTIONS SHALL ONLY BE THROUGH THE KNOCKOUT SECTION AND THEN RENDERED IN ACCORDANCE WITH NOTE 12.
10. THE KNOCKOUT SECTIONS ARE DESIGNED FOR PIPES ENTERING AT 90°. PIPES ENTERING AT SKEWED ANGLES SHALL BE CONTAINED WITHIN THE KNOCKOUT AREA. THE KNOCKOUT AREA WIDTH SHALL BE THE PIPE HORIZONTAL SKEW DIMENSIONS.
11. THE ANGLE OF ENTRY SHALL BE NO LESS THAN 45°. SEE TABLE FOR MAXIMUM PIPE SIZE.
12. THE JOINTING SURFACE MUST BE CLEAN.
13. PIPE ENTRY JOINTS ARE TO BE RENDERED WITH AN EPOXY MORTAR TO BE SMOOTH AND FREE FROM INTRUSIONS AND TO ENSURE A WATERTIGHT JOINT.
14. CONCRETE BACKFILL (3:1 SAND/ CEMENT MORTAR) SHALL SURROUND THE PIPE INLET AND OUTLET TO FORM A BELL-HOUSING EFFECT WITH A SMOOTH FINISH.
15. STEP IRONS ARE REQUIRED IN PITS GREATER THAN 1200mm DEEP. UNUSED STEP IRON HOLES TO BE FILLED AND RENDERED.
16. BACKFILLING AROUND EXTERNAL FACES OF THE PRECAST UNIT TO BE SELECTED MATERIAL OR APPROVED PAVEMENT MATERIALS AS APPROPRIATE, ADDED IN 150mm LAYERS AND COMPACTED SIMULTANEOUSLY AROUND THE STRUCTURE TO AVOID DIFFERENTIAL LOADING. ALLOW ALL CONCRETE BACKFILL TO CURE BEFORE BACKFILLING.

<b>Armidale</b> <i>Dept of Public Infrastructure</i> Regional Council	SCALES NTS	APPROVED D. MAUNDER 31/08/2016 <small>MANAGER ENGINEERING AND STANDARDS SUPPORT</small>	DATE 31/08/2016	SHEET 1 OF 1
		SURV DRWN ST DES MW CHKD MW	AS SHEET SIZE <b>A3</b>	DRAWING No <b>080-040</b>
<b>PRECAST STORMWATER PIT INSTALLATION</b>		CADFILE 080-040.dwg DATE 31/08/2016		