



NOTES:

- CONCRETE SHALL COMPLY WITH AS 3600-2009 AND AS 1379-2007.
- USE N32 CONCRETE UNLESS OTHERWISE AGREED.
- DESIGNED FOR CLASS D LOADING TO AS 3996-2006. ULTIMATE LIMIT STATE DESIGN LOAD 210 KN.
- USE PIT LIDS AND FRAMES DESIGNED AND TESTED FOR CLASS D LOADS TO AS 3996-2006, UNLESS OTHERWISE DIRECTED.
- ADJUST THE BLOCKOUT DIMENSIONS TO SUIT THE ACTUAL SIZE OF LID FRAME.
- REFER TO THE PROJECT DRAWINGS FOR PIPE AND PIT LOCATIONS, DEPTHS AND ARRANGEMENTS.
- THE SURFACE UNDER THE PIT AND KERB IS CONSIDERED AS SUBGRADE AND SHALL BE COMPACTED TO 95% MMDD.
- A BLOCKOUT IS SHOWN FOR THE INSERTION OF ACCESS COVER FRAME. THE COVER SHALL BE CAST INTO THE CONCRETE SURROUND.
- DO NOT INSTALL STEP IRONS IN PIT UNLESS OTHERWISE DIRECTED.
- TRANSITION THE GUTTER FROM THE PIT TO THE STANDARD GUTTER OVER 900mm EACH SIDE OF PIT, OR 3000 FOR LAY BACK KERBS. REFER CS-3300.
- IT IS NOT ESSENTIAL TO FORM THE EXTERNAL SURFACES OF THE PIT BELOW THE LEVEL OF THE C.J. IT IS EXPECTED THAT IN MANY SITUATIONS THE BOTTOM PORTION OF THE PIT WILL BE CAST AGAINST GROUND OR SANDBAGS.
- LIDS SHALL BE MARKED IN ACCORDANCE WITH AS 3996-2006. LOAD CLASS AND THE MASS OF THE LID, AND ALIGNMENT MARKS MUST BE CLEARLY AND PERMANENTLY VISIBLE ON THE UPPER SURFACE OF THE LID.
- PROVIDE LIDS WITH STANDARD LIFTING KEY HOLES MEETING THE REQUIREMENTS OF AS 3996-2006 AND WHICH ARE COMPATIBLE WITH COMMONLY AVAILABLE LIFTING TOOLS.
- 'C.J.' DENOTES CONSTRUCTION JOINT. THIS SURFACE MUST BE CLEAN AND MOIST PRIOR TO CASTING THE UPPER PORTION OF THE PIT, AND BE SOUND ROUGHENED CONCRETE SURFACE, FREE FROM DELETERIOUS MATERIAL AND CONCRETE LAITANCE. AGREE THE JOINT PREPARATION WITH THE SUPERINTENDENT.
- REFER TO STANDARD DRAWING CS-3115 FOR SHEET 2 AND CS-3116 FOR SHEET 3
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- WEEPHOLES SHALL BE PROVIDED ON UPSTREAM SIDE IN ALL PITS. CONNECT 1000 LONG x 100 DIA. SEWER STRENGTH SLOTTED P.V.C. PIPES WITH END CAPS AT EACH WEEPHOLE AND WRAP IN GEOTEXTILE MATERIAL AND BED AS SHOWN. CONNECT TO SIDE DRAIN WHERE APPROPRIATE.
- PIT SIZES:
 - MAX LONGITUDINAL PIPE SIZE FOR THIS PIT SIZE IS DN 525.
 - MAX TRANSVERSE PIPE SIZE FOR THIS PIT SIZE IS DN 825.
 - MAX DEPTH OF PIT TO BE 3.6m.
 - REFER TO CS-3116 FOR THE PIT SIZE OF LARGER PIPES.
- UNLESS NOTED OTHERWISE, REINFORCEMENT LAPS AS FOLLOW
 - N16 BAR - 500mm LAP MIN.
 - MESH - 300mm LAP MIN.

No.	DESCRIPTION	DATE	NAME	DEPT/COMPANY
2	SECTION REFERENCE CHANGED	JUNE 2018	S.JALIL	EES/DIPL
1	PIT DETAILS ADDED	MAR 2018	S.JALIL	EES/DIPL
0	ISSUED AS A STANDARD DRAWING	SEPT 2017	J.LEESON	EES/DIPL
AMENDMENTS				

WARNING
 BEWARE OF UNDERGROUND SERVICES.
 THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

DRAWN S.JALIL	CHECKED S.HATZI
DATE MAR 2018	DATE MAR 2018
DESIGNED	CHECKED J.MU
DATE	DATE NOV 2017
DESIGN LEADER S.HATZI	DESIGN DIRECTOR S.JACKSON
DATE 1/09/2017	DATE 1/09/2017



STANDARD DRAWINGS DRAINAGE			
SIDE ENTRY PIT - LOAD CLASS D CONCRETE DETAILS - SHEET 1			
FILE No.	ASSET No.	SHEET No. 1 OF 3	DRAWING No. CS-3114
-	-		AMEND. 2
			SHEET SIZE A1