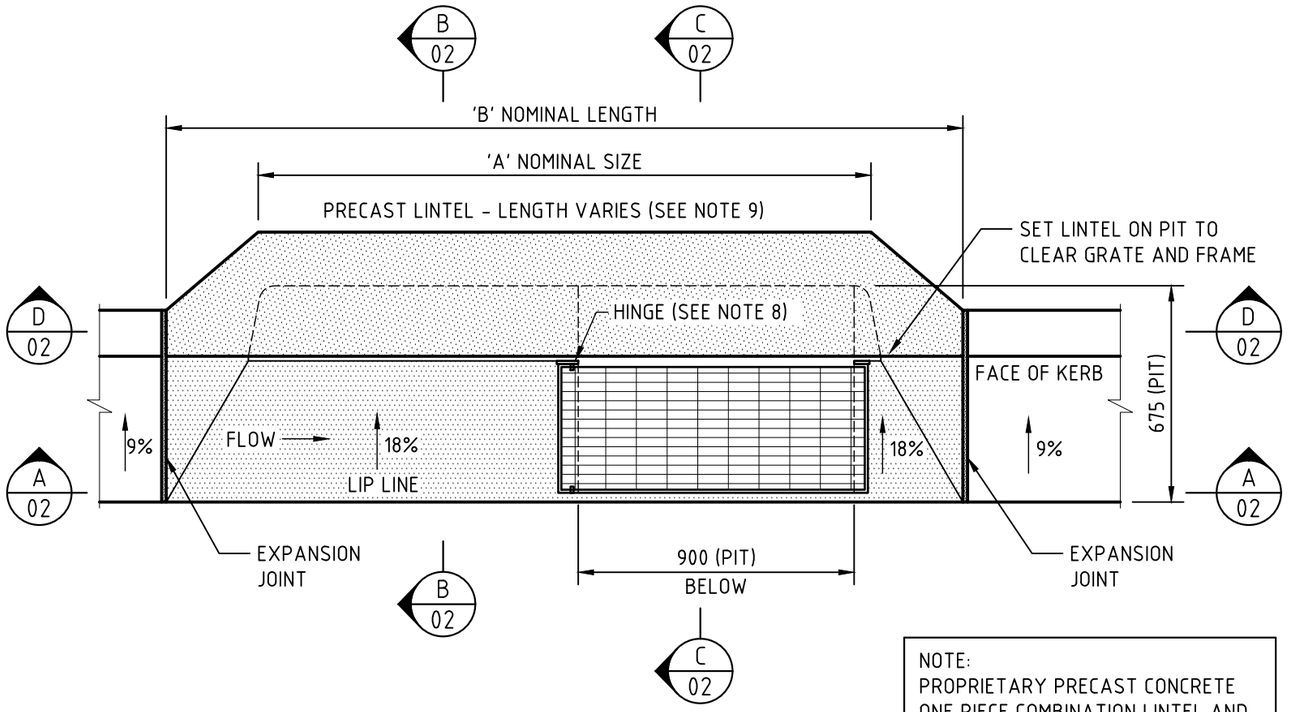
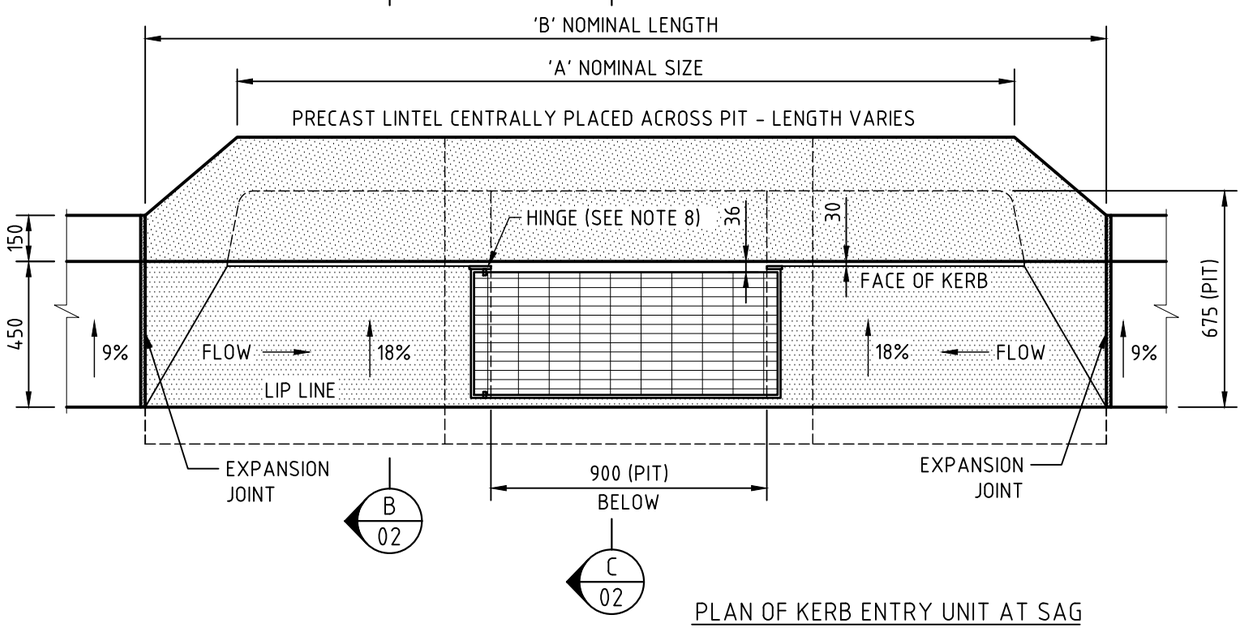


PLAN OF KERB ENTRY UNIT AT GRADE
SCALE 1:20

NOTE:
PROPRIETARY PRECAST CONCRETE ONE PIECE COMBINATION LINTEL AND GRATE KERB INLET PIT TOP; SUBJECT TO APPROVAL



PLAN OF KERB ENTRY UNIT AT SAG
SCALE 1:20

NOTES

1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH COUNCIL'S INFRASTRUCTURE SPECIFICATIONS.
2. ALL DIMENSIONS ARE IN MILLIMETRES.
3. CONCRETE FOR UNREINFORCED PITS:
- 25 MPa GRADE N25:80:10 IN ACCORDANCE WITH AS1379 AND AS3600.
CONCRETE FOR UNREINFORCED PITS:
- 32 MPa GRADE N32:80:10 IN ACCORDANCE WITH AS1379 AND AS3600.
4. CONCRETE FINISHES:
- ALL PEDESTRIAN OR TRAFFICABLE AREAS TO BE NON-SLIP WOOD FLOAT OR BROOM FINISH WITH ALL EXPOSED EDGES ROUNDED TO 5 RADIUS. OTHER EXPOSED SURFACES TO BE OFF STEEL FORM QUALITY.
5. STEEL REINFORCING BARS AND FABRIC TO COMPLY WITH AS/NZS4671 GRADE D500N.
6. PITS DEEPER THAN 600 TO BE FITTED WITH STEP IRONS AT 300 CENTRES. TO AS1657.
7. MIN 90ø SN20 SUBSOIL DRAINAGE PIPE 3000 LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED ADJACENT TO INLET PIPES.
8. HINGES ON GMS GRATE TO BE PLACED ON TRAFFIC APPROACH SIDE. GMS GRATE TO BE BIKE SAFE AND LOAD RATED TO 'CLASS D' IN ACCORDANCE WITH AS3996-2006. WELD LOCK OR EQUAL.
9. PRECAST CONCRETE ONE PIECE COMBINATION LINTEL AND GRATE ARE TO BE IN ACCORDANCE WITH THE DIMENSIONS NOMINATED ON THIS DRAWING. VARIATIONS IN THE MANUFACTURED MOULDS FROM THESE DIMENSIONS ARE TO BE APPROVED BY COUNCIL PRIOR TO USE.
10. FOR DETAILS OF STANDARD CONCRETE KERB SHAPES SEE KG-100.
11. FOR DETAILS OF CONCRETE AND STEEL REINFORCEMENT FOR PITS GREATER THAN 1.5 METRES IN DEPTH REFER TO TABLE A.
12. ALL PITS ARE TO BE ADEQUATELY STREAMLINED AND BENCHED.
13. DAMAGED CASTINGS OR LIFTING ANCHORS WILL RENDER THE UNIT UNSUITABLE FOR USE.
14. ALL LINTELS SHALL HAVE A "FISH" SYMBOL AND THE WORDS "THE RIVER AND OCEAN STARTS HERE" OR EQUIVALENT, IMPRINTED ON THE TOP EXTERNAL SURFACE OF THE LINTEL DURING ITS MANUFACTURE.
15. FOUNDING MATERIAL TO ACHIEVE A MINIMUM ALLOWABLE BEARING CAPACITY OF 150KPa.
16. WHERE PITS EXTEND UNDER ROAD PAVEMENT EMPLOY APPROPRIATE TECHNIQUES TO MITIGATE THE RISE OF REFLECTIVE CRACKING.
17. PIT DEEPER THAN 2.5m OR LONGER THAN 900 OR 1450 WIDE SHALL BE DESIGNED BY A QUALIFIED ENGINEER.

TABLE A: SCHEDULE OF TRAFFICABLE PITS

'H' MAX DEPTH (M)	'L'&'B' MAX WIDTH/LENGTH (M)	SECTION	CONCRETE GRADE	CONSTRUCTION METHOD
1.2	1.2	150 THICK WALLS UNREINFORCED	25MPa	INTERNAL FORMWORK ONLY WITH HAND VIBRATION
1.5	1.2	150 THICK WALLS UNREINFORCED	25MPa	INTERNAL AND EXTERNAL WALL FORMWORK WITH MECHANICAL VIBRATION
3.5	1.6	150 THICK WALLS REINFORCED AS DETAILED BELOW	32MPa	INTERNAL AND EXTERNAL WALL FORMWORK WITH MECHANICAL VIBRATION

REINFORCEMENT DETAILS: SL92 FABRIC CENTRAL OR N12-200 B/WAYS.
HORIZONTAL BARS TO BE CENTRALLY PLACED.
RETURN STEEL INTO BASE BY 200 MIN.
PROVIDE 200 MIN. LAP AT WALL/WALL CORNERS
PROVIDE 50 MIN COVER TO REINFORCEMENT

TABLE 1

'A' NOMINAL SIZE	1200#	1800#	2400	3000	3600	4200#	4800#
'B' NOMINAL LENGTH	1860	2460	3060	3660	4260	4860	5460

# DENOTES THESE SIZE LINTELS ARE NOT COMMONLY USED AND ARE ONLY

ACKNOWLEDGEMENT:
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SR PCG - STANDARDS REVIEW PROJECT CONTROL GROUP
ASM - ASSET SECTION MANAGER

Date	Amendment	Rev	By	Approved
12.05.26	ISSUED FOR CONSTRUCTION	0	SR PCG	ASM

PORT STEPHENS COUNCIL

Project: STANDARD DETAILS
EDRMS No: PSC2016-01993-005
Drawing Title: ONE PIECE KERB ENTRY UNIT ON GRADE AND SAG - SHEET 1 OF 2

APPROVED
SHEET No: SW-113
Revision: 0
Date: 12.05.26
Sheet Size: A3