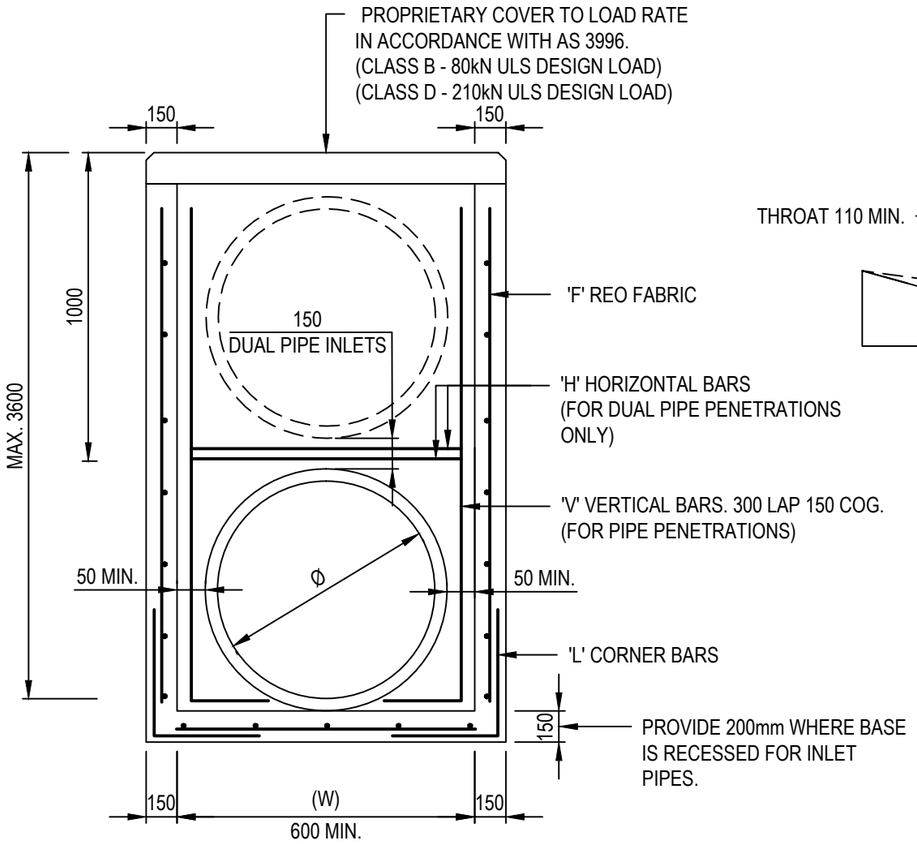
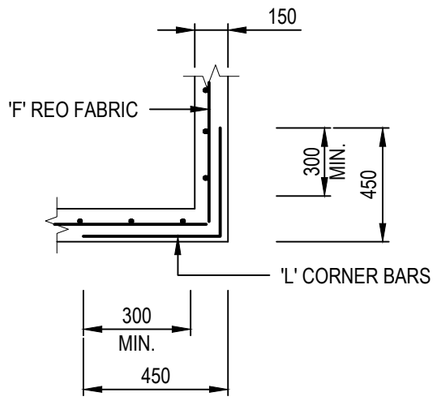
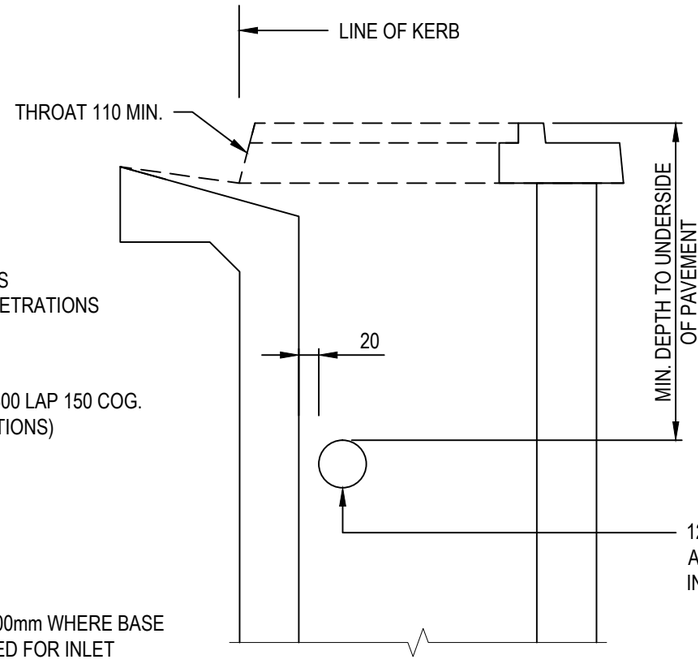


TYPICAL PIT DETAIL



150mm CORNER DETAIL



PRECAST PIT

NOTES:

1. PIT REINFORCEMENT SHALL HAVE 300mm MIN. LAPS. CLEAR COVER TO BE 50mm MIN. CORNER RETURN REINFORCEMENT MAY BE FABRIC OR EQUIVALENT BARS.
2. FOR TOP OF PIT DETAILS, REFER TO RELEVANT STANDARD DRAWINGS.
3. PRECAST PITS WITH THINNER WALLS AND LESS STEEL OR FIBRE REINFORCED PITS MAY BE ACCEPTED WHERE THE MANUFACTURER CAN DEMONSTRATE THAT THE PITS HAVE ADEQUATE CAPACITY TO SUPPORT A COMBINATION OF THE FOLLOWING LOADS:
   - LATERAL LOADS - EARTH PRESSURE WITH APPROPRIATE SURCHARGE LIVE LOAD CLASS
   - HYDROSTATIC PRESSURE
   - COMPACTION PRESSURE (25kPa MIN.)
   - VEHICLE LOADS - DESIGN VEHICLE LOAD
4. SUBSURFACE DRAIN HOLES TO BE SEALED IF NOT USED.
5. ANY CONCRETE FORMWORK, REINFORCEMENT, POURING AND CURING SHALL COMPLY WITH AS 3600 AND THE ASSOCIATED CODES.
6. CONCRETE STRENGTH F'C - 32 MPa. (MIN.) AT 28 DAYS. SLUMP TO BE 80mm.
7. ALL RL FABRIC MAIN BARS SHOULD BE PLACED HORIZONTALLY.
8. VEHICLE LOADS TO DESIGN LOAD CLASS

REINFORCEMENT DETAILS

LOAD CLASS	MAX WIDTH (W) (mm)	'F' FABRIC	'H' HORIZONTAL BARS	'V' VERTICAL BARS	'L' CORNER BARS
B	600	SL82 (c)	2/N10	1/N10	N10 @ 300 (c)
B	900	SL82 (c)	2/N10	1/N10	N10 @ 300 (c)
B	1200	SL92 (c)	2/N12	1/N12	N10 @ 200 (c)
B	1500	SL92 (50 INTERNAL COVER)	2/N12	1/N16	N10 @ 200 (c) (50 INTERNAL COVER)
B	1800	SL92 (50 INTERNAL COVER)	2/N16	1/N16	N12 @ 200 (c) (50 INTERNAL COVER)
D	600	SL82 (c)	2/N10	1/N10	N10 @ 300 (c)
D	900	SL92 (50 INTERNAL COVER)	2/N10	1/N10	N10 @ 200 (c) (50 INTERNAL COVER)
D	1200	RL818 (50 INTERNAL COVER)	2/N12	1/N12	N12 @ 200 (c) (50 INTERNAL COVER)
D	1500	RL118 (50 INTERNAL COVER)	2/N12	1/N16	N12 @ 200 (c) (50 INTERNAL COVER)
D	1800	RL1218 (50 INTERNAL COVER)	2/N16	1/N16	N12 @ 200 (c) (50 INTERNAL COVER)

NOTE:

1. PROVIDE REINFORCEMENT AS PER TABLE FOR WALL WITH CORRESPONDING WIDTH (W).
2. IF ADJACENT WALLS HAVE DIFFERENT WIDTHS, ADOPT 'L' CORNER BARS CORRESPONDING TO HIGHER WIDTH.

ALL MEASUREMENTS IN MILLIMETRES

REV	DESCRIPTION	DATE	DES	DRW	APP
D	MINOR AMENDMENTS	06.11.2018	AF	AF	MDH
C	MINOR AMENDMENTS	18.07.2017	JZ	JC	DSL
B	ISSUED FOR REVIEW	10.05.2016	JZ	DL	DSL
A	ISSUED FOR REVIEW	15.03.2016	RJF	DL	DSL

THIS PROJECT HAS BEEN ASSISTED BY THE LOCAL GOVERNMENT RESEARCH AND DEVELOPMENT SCHEME AND INSTITUTE OF PUBLIC WORKS ENGINEERING AUSTRALASIA

INFRASTRUCTURE GUIDELINES (SA)

SHEET TITLE
STORMWATER PITS REINFORCEMENT DETAILS

SCALE
NTS @ A3

DRAWING No.
SD 300

REV
D