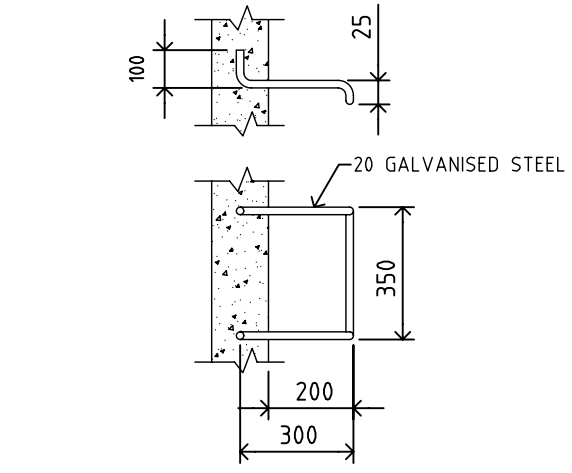
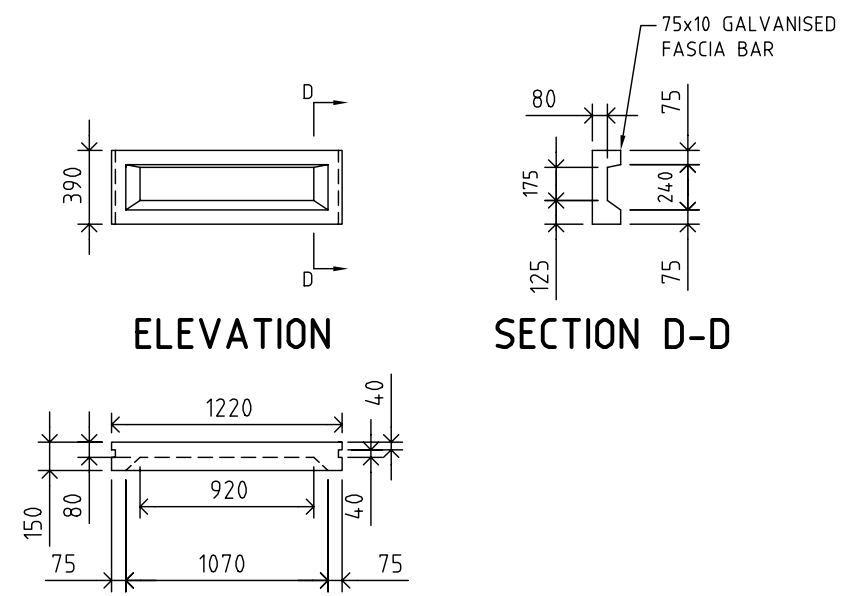


**GRATE INSTALLATION TOLERANCE**



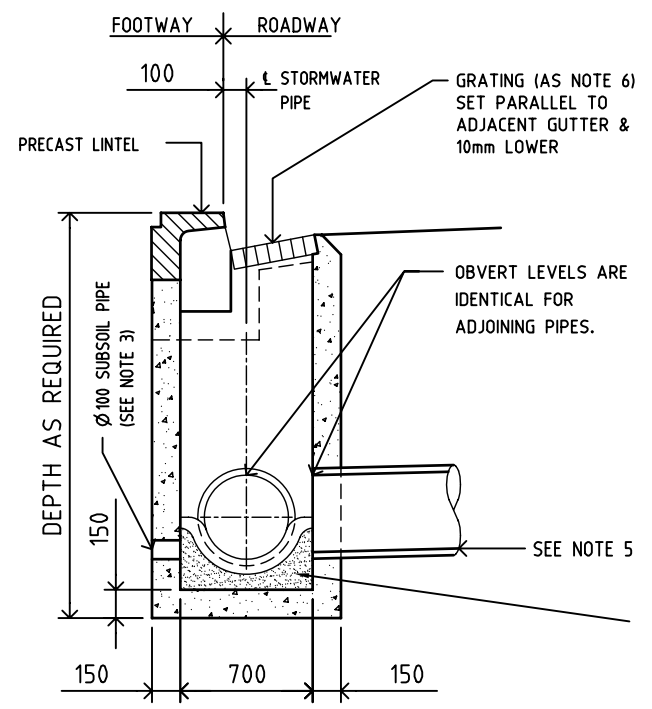
**DETAIL OF CLIMB IRON**



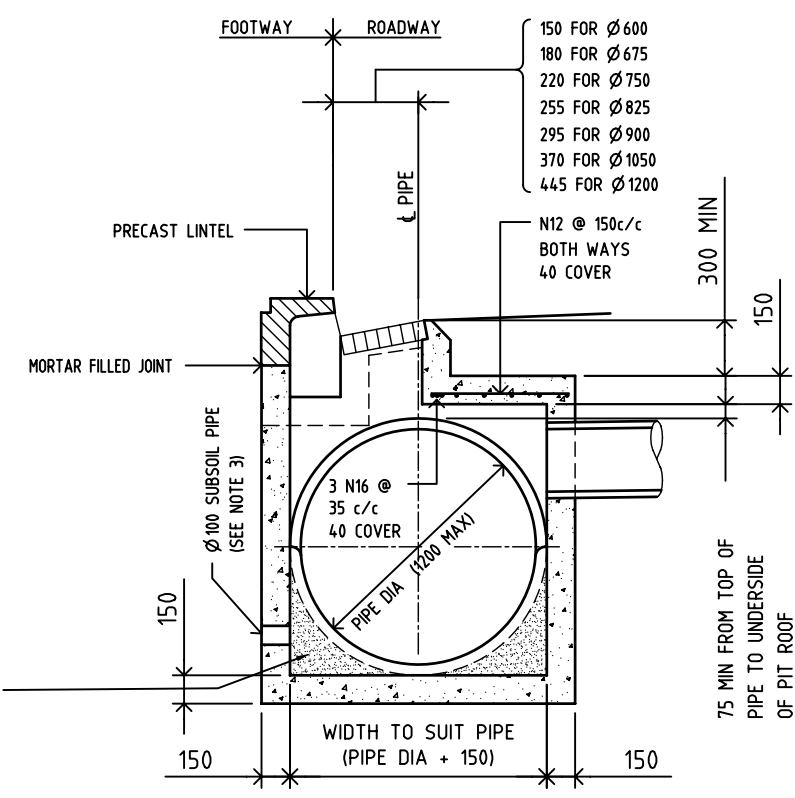
**ELEVATION**  
**SECTION D-D**  
**PLAN**  
**1220 PATHWAY KERB INLET**

**NOTES**

1. COMPRESSIVE STRENGTH (F'c) FOR CAST IN SITU CONCRETE SHALL BE A MINIMUM OF 32MP<sub>a</sub> AT 28 DAYS.
2. TOP OF BENCHING SHALL BE HALF OF THE OUTLET PIPE DIAMETER.
3. Ø100 SUBSOIL DRAINAGE PIPE 3000 LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED ADJACENT TO INLET PIPES.
4. ALL PITS SHALL BE PROVIDED WITH A GRATE LOCKING CLIP.
5. MAXIMUM FRONT ENTRY PIPE
  - a. STRAIGHT ENTRY - Ø750
  - b. SKEW ENTRY 15° - Ø525
6. PIT GRATE TO BE 'WELDLOCK' GULLY GRATE GG78-50 OR APPROVED EQUIVALENT. (MINIMUM HYDRAULIC AREA 0.3m<sup>2</sup>).
7. DURING INSTALLATION OF GRATE AND FRAME, CONTRACTOR IS TO ENSURE CLEARANCE BETWEEN LINTEL AND OPENED GRATE (REFER TO INSTALLATION TOLERANCE).
8. PROVIDE STEP IRONS ACCORDING TO DETAIL SHOWN WHERE PIT IS DEEPER THAN 1200.
9. AT SAG PITS ADD RACE TO BOTH SIDES. LINTEL TO BE CENTRALLY LOCATED.
10. SL82 MESH CENTRALLY PLACED TO WALLS AND BASE FOR ALL PITS > 1.5m DEEP. MIN 50mm COVER. RETURN MESH 300 INTO BASE AND SIDES.
11. GALVANISING TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD A.S. 1214 1973 AND TO BE 375 G/SQUARE METER FOR ALL EXPOSED COMPONENTS.
12. EXPOSED SURFACES TO BE OFF STEEL FORM FINISH OR OF HIGH QUALITY STEEL FLOAT FINISH.
13. ALL PRECAST COMPONENTS TO BE FACTORY PRODUCED OF VIBRATED CONCRETE AND STEAM CURED.
14. ALL EXPOSED EDGES TO BE ROUNDED TO 5mm RADIUS.

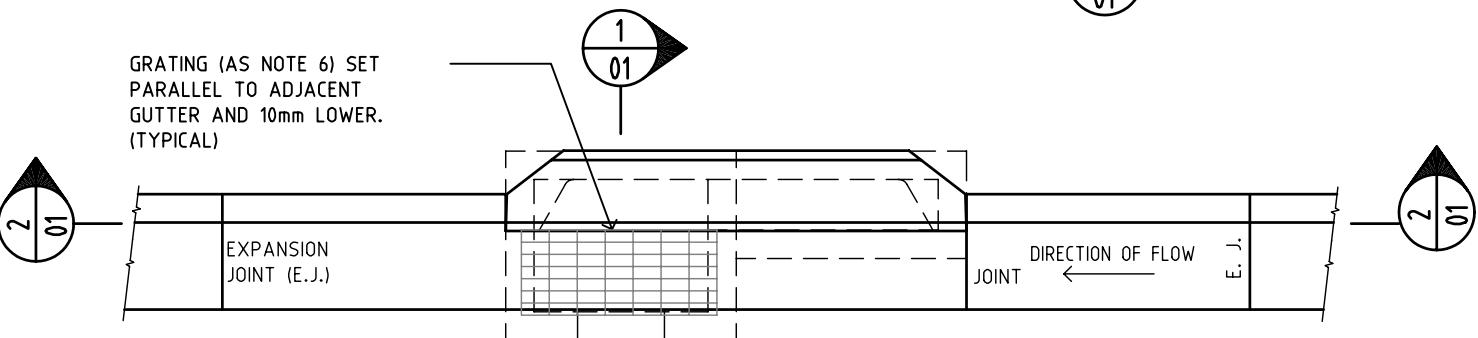
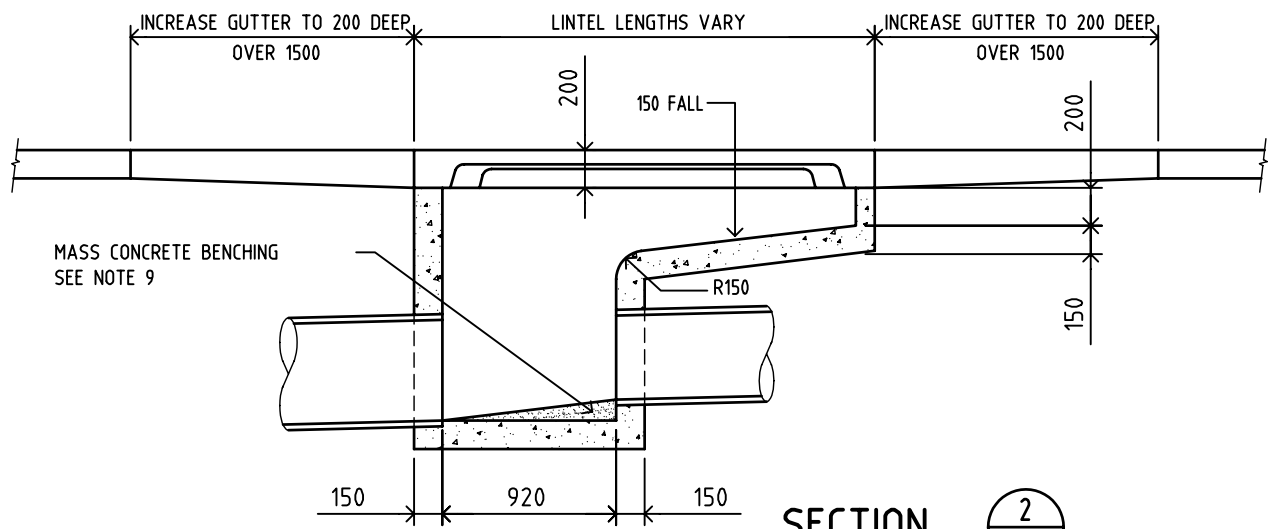


**SECTION 1/01**  
**STANDARD GRATED KERB INLET FOR PIPES Ø525**

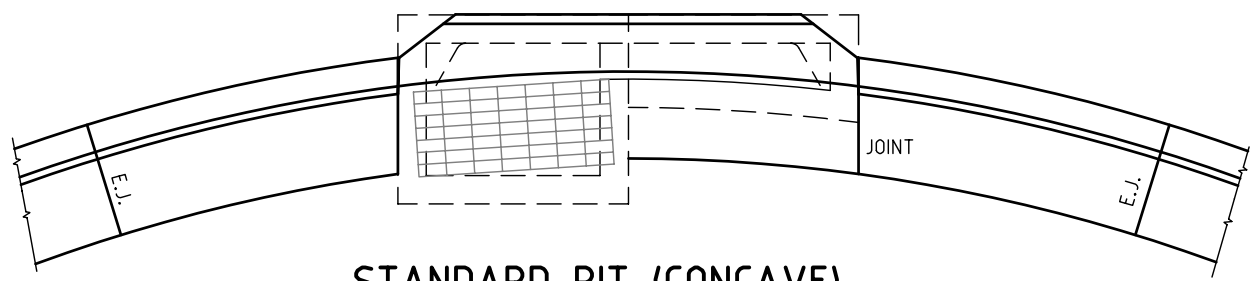


**SECTION 1/01**  
**STANDARD GRATED KERB INLET FOR PIPES Ø600 TO Ø1200**

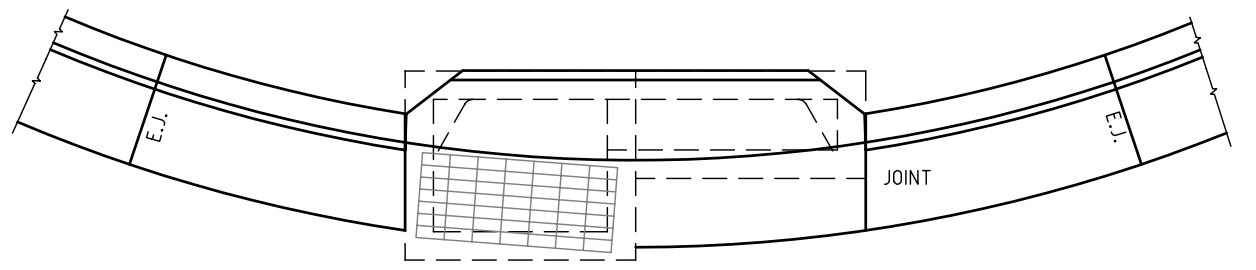
DRAWN: DBM DATE: 10-9-03 CHECKED: GS DATE: 12-9-05 APPROVED: <i>[Signature]</i> 1/11/05 O. FARUQI P. Eng A/ Manager of Design & Investigation			G.T.C.C. 2 PULTENEY ST. TAREE NSW 2430 Phone 02 6592 5399 Fax. 02 6592 5348 D.X. 7020		STANDARD DRAWING TITLE <b>Standard Details for Gully Pits with ExtendedKerb Inlets &amp; Welded Grates</b>		SHEET NO. <b>1A</b> NO. OF SHEETS <b>2</b> STANDARD DWG. NO. <b>SD051</b>
ISSUE <b>A</b> DATE <b>29-8-05</b> ZONE <b>-</b> AMENDMENTS <b>Update for Auspec</b> BY <b>BBS</b>	ORIGINAL ISSUE DATE <b>12-9-05</b> ZONE <b>-</b> AMENDMENTS <b>-</b> BY <b>DBM</b>	ALL DIMENSIONS ARE IN MILLIMETRES. DO NOT SCALE.		DRAWING PRACTICE <b>AS1100</b>	SHEET SIZE <b>A3</b>	SCALE/S	



STANDARD PIT



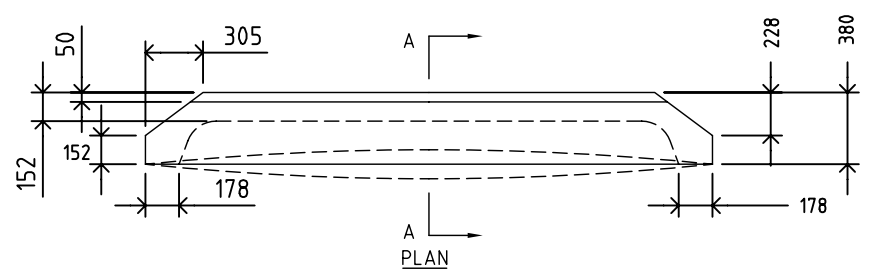
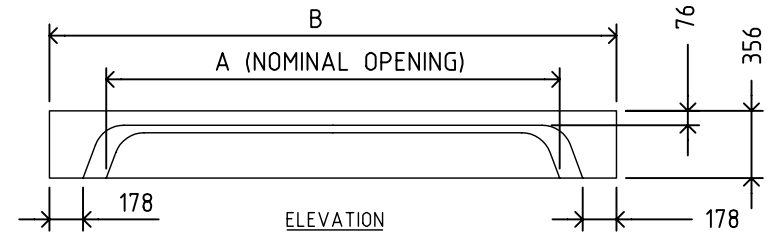
STANDARD PIT (CONCAVE)



STANDARD PIT (CONVEX)

NOTES

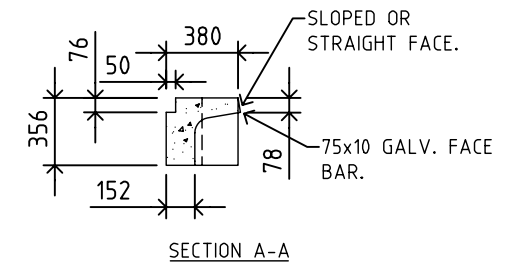
1. COMPRESSIVE STRENGTH (F'c) FOR CAST IN SITU CONCRETE SHALL BE A MINIMUM OF 32MPa AT 28 DAYS.
2. TOP OF BENCHING SHALL BE HALF OF THE OUTLET PIPE DIAMETER.
3. Ø100 SUBSOIL DRAINAGE PIPE 3000 LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED ADJACENT TO INLET PIPES.
4. ALL PITS SHALL BE PROVIDED WITH A GRATE LOCKING CLIP.
5. MAXIMUM FRONT ENTRY PIPE
  - a. STRAIGHT ENTRY - Ø750
  - b. SKEW ENTRY 15° - Ø525
6. PIT GRATE TO BE 'WELDLCK' GULLY GRATE GG78-50 OR APPROVED EQUIVALENT. (MINIMUM HYDRAULIC AREA 0.3m<sup>2</sup>).
7. DURING INSTALLATION OF GRATE AND FRAME, CONTRACTOR IS TO ENSURE CLEARANCE BETWEEN LINTEL AND OPENED GRATE (REFER TO INSTALLATION TOLERANCE).
8. PROVIDE STEP IRONS ACCORDING TO DETAIL SHOWN WHERE PIT IS DEEPER THAN 1200.
9. AT SAG PITS ADD RACE TO BOTH SIDES. LINTEL TO BE CENTRALLY LOCATED.
10. SL82 MESH CENTRALLY PLACED TO WALLS AND BASE FOR ALL PITS > 1.5m DEEP. MIN 50mm COVER. RETURN MESH 300 INTO BASE AND SIDES.



A	B	WEIGHT
*1800	2400	0.457 t.
2400	3000	0.579 t.
3000	3600	0.701 t.

\*STANDARD SIZE

CONCAVE/CONVEX UNITS  
8300 RADIUS ONLY.



EXTENDED KERB INLET LINTEL

ISSUE	DATE	ZONE	AMENDMENTS	BY
A	29-8-05		Update for Auspec	BBS
-	-	-	ORIGINAL ISSUE	DBM

DRAWN: DBM DATE: 10-9-03  
 CHECKED: GS DATE: 12-9-05  
 APPROVED: *[Signature]* 1/11/05  
 O. FARUQI, P. Eng  
 A/ Manager of Design & Investigation

G.T.C.C.  
 2 PULTENEY ST.  
 TAREE NSW 2430  
 Phone 02 6592 5399  
 Fax. 02 6592 5348  
 D.X. 7020



STANDARD DRAWING TITLE  
**Standard Details for Gully Pits with  
 Extended Kerb Inlets & Welded Grates.**  
 SCALE/S ALL DIMENSIONS ARE IN MILLIMETRES.  
 DO NOT SCALE.  
 DRAWING PRACTICE AS1100  
 SHEET SIZE A3

SHEET NO. 2A  
 NO. OF SHEETS 2  
 STANDARD DWG. NO. SD51