**Grate Installation Tolerance**

Grate shall be provided as per note 6.

**Climb Iron**

Climb iron shall be provided at 450 CTS. Under lid where pit is deeper than 1200.

**Detail of Climb Iron**

- 20 Galvanized Steel
- Climb iron shall be provided at 450 CTS.

**Plan**

1220 Pathway Kerb Inlet

**Section D-D**

**Elevation**

**Notes**

1. Compressive strength of cast-in-situ concrete shall be a minimum of 33 MPA 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 pipe.
4. All pits shall be provided with a grate locking clip.
5. Maximum front entry pipe Ø750.
6. Straight entry Ø 150.
7. Pit grate to be welded to gully grate or approved equivalent minimum hydraulic area 0.9m².
8. Cladding installation of grate and frame. Contractor is to ensure clearance between inlet and open grate (refer to installation tolerance).
9. Provide step boxes according to detail shown where pit is deeper than 1200.
10. AT SAG PITS AND RACE TO BOTH SIDES. INLET TO BE CENTRALLY LOCATED.
11. 50 mesh centrally placed to walls and base for all pits. Min 50 mesh. 300 mesh into base and sides.
12. Galvanising to be in accordance with Australian standard A.S. 1249 1973 and to be 375 g/sq meter for all exposed components.
13. Exposed surfaces to be off steel form finish or high quality steel flat finish.
14. All precast components to be factory produced of vibrated concrete cast beams and SMC.
NOTES

1. COMPRESSIVE STRENGTH 0'14 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 - Ø950
   b. SKEW ENTRY 15° - Ø525

6. PIT GRATE TO BE "WELD-DUCK" GULLY GRATE G07-50 OR APPROVED EQUIVALENT (MINIMUM HYDRAULIC AREA 0.3m²).

7. DURING INSTALLATION OF GRATE AND FRAME, CONTRACTOR IS TO ENSURE CLEARANCE BETWEEN LINTEL AND OPENED GRATE REFERS TO INSTALLATION TOLERANCES.

8. PROVIDE STEP RINGS 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. SL2B MESH CENTRALLY PLACED TO WALLS AND BASE FOR ALL PITS > 1.5M DEEP, MIN 50mm COVER, RETURN MESH 300 INTO BASE AND SIDES.

EXTENDED KERB INLET LINTEL

Standard Details for Gully Pits with Extended Kerb Inlets & Welded Grates.