



**GRATE FRAME**

RESTRICTED USE ONLY.  
THIS IS ONLY TO BE USED IN SPECIAL CASES.  
GENERALLY ONLY USED FOR RECONSTRUCTION WORKS

- NOTES:**
1. ALL WALLS TO BE 150mm THICK.
  2. PIT TO BE HAUNCHED FOR PIPE DIAMETER OVER 450mm OR DEPTH EXCEEDING 2.0m, REFER TO STD. DWG. SD245
  3. SHAPE PIT INVERT TO ONE THIRD OUTLET PIPE DIAMETER.
  4. GRATE FRAME SHALL BE CONSTRUCTED FROM 65x50x8 MS ANGLE. EACH CORNER SHALL BE WELDED ON UNDERSIDE OF HORIZONTAL LEG AND ON INSIDE OF VERTICAL LEG WITH SIZE 5 FILLET WELD.
  5. CHANNEL INVERT TO BE DROPPED 70mm OVER A DISTANCE OF 600mm FROM BOTH SIDES OF THE PIT.
  6. PROVIDE STEP IRONS FOR PIT DEPTHS EXCEEDING 1.0m, REFER TO STD. DRAWING No. SD280.
  7. CONCRETE STRENGTH 25MPa AT 28 DAYS.
  8. ALL DIMENSIONS IN MILLIMETRES
  9. EXPANSION JOINTS TO BE INSTALLED EITHER SIDE OF GRATED PIT WITH 3 No. 450mm LONG R16 BARS GREASED OR SLEEVED ONE END.

Amendments			
No.	Zone	Detail	Initials Date
1.		NOTE No.9 ADDED	R.C. JAN 05

DRAWN : D. SALAZAR  
 CHECKED : R. CHARTERS  
 APPROVED : S. PLATER  
 SCALE : NDTs  
 DATE : JUNE 2004

TYPE : GRATED SIDE ENTRY PIT  
 B2 OR SM2 KERB AND CHANNEL  
 DRAWING NO: SD220



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