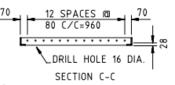


- 2. MAX. LOADING EACH GRATE UNIT WILL SUPPORT A 150 kN LOAD.
- 3. GRATE FRAME SHALL BE CONSTRUCTED FROM 75x50x5 MS ANGLE CORNER JOINTS SHALL BE WELDED ON UNDERSIDE OF HORIZONTAL LEG AND ON THE INSIDE OF THE VERTICAL LEG WITH SIZE 5 FILLETS.
- GRATE UNITS SHALL BE MADE FROM 75x20x1035 MS BARS. THE TOP AND BOTTOM EDGES OF THE BAR ENDS SHALL BE CHAMFERED 5mm x 5mm BEFORE CONTINUOUSLY WELDING ALL AROUND AND GROUND FLUSH BEFORE GALVANIZING.
- 6. ANCHOR SPACING SHALL NOT EXCEED 400 mm
- EXPOSED CONCRETE EDGES SHALL HAVE 10x10 CHAMFERS.
- 8. THE LATCH SHALL BE INSTALLED SO THAT THE TONGUE ENGAGES THE SUPPORTING ANGLE WHEN THE SPRING IS COMPRESSED TO 50 % OF ITS LENGTH.
- 9. CONCRETE SHALL BE NORMAL-CLASS N32 STANDARD STRENGTH GRADE OR HIGHER COMPLYING WITH THE REQUIREMENTS OF AS 1379. EXPOSURE CLASSIFICATIONS UP TO AND INCLUDING B1.



GRATE FRAME

DISCLAIMER (APRIL '23): THIS DRAWING IS IN THE PROCESS OF BEING UPDATED. FOR ALL STRUCTURAL REQUIREMENTS REFER BRIDGE TECHNICAL NOTE (BTN) 033: STRUCTURAL REQUIREMENTS FOR REINFORCED CONCRETE DRAINAGE PITS. GEOMETRIC DIMENSIONS SHOWN ON THIS DRAWING MAY BE USED AS A GUIDE AND MODIFIED WHERE NECESSARY TO ACHIEVE COMPLIANCE.

ISSU	JE APP	P'D DAT	AMENDMENT	3. ALL DIPENSIONS ARE IN PILLIPETRES	PROJECT: S	dddgnnew sd-1441c.dgn	METRES	VER				SD 1441	C
L A	J.(C. 1.2.	AMENDMENT TO NOTE 9, CONCRETE STRENGTH GRADES.	4. STEP IRONS SD 5. ALL DIMENSIONS ARE IN MILLIMETRES	1041 CATALOG: P		SCALE	HOR NOT TO SCALE	FILE NO.	CONTRACT NO.	SHEET NO.		ISSUE
10	-	_				ENGINEERIN	ENGINEERING & TECHNOLOGY CONSULTANTS			TON OF EN GRADED ASTITACT SORTACE			
B	J.5	B. OCT	99 GRATE LATCH DETAILS ALTERED		7.0	1	vicroads design			GRATED PIT FOR OPEN GRADED ASPHALT SURFACE			
C	J.	.B. 1/8/	02 AMENMENT TO NOTE 5 AS/NZS 4680	SETTING OUT DETAILS 2. UNHAUNCHED PITS SD	1011 APPROVED	13.4.95 Vice							
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