

7-06

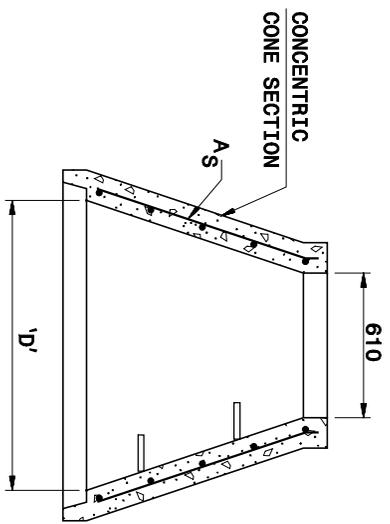
METRIC STANDARD DRAWING FOR  
**PRECAST MANHOLE 1.2m, 1.5m  
AND 1.8m DIAMETER**  
300mm THRU 1200mm PIPE

GENERAL NOTES

USE 28MPa MINIMUM COMPRESSIVE STRENGTH CONCRETE THROUGHOUT. DESIGN, FABRICATE AND ASSEMBLE PRECAST MANHOLE COMPONENTS IN ACCORDANCE WITH AASHTO M199. ASSEMBLE RISER AND GRADE RINGS WITH THE STEPS SPACED 300mm FROM THE TOP TO THE BASE OF THE MANHOLE. WHERE THE MANHOLE IS EXPOSED TO ROAD TRAFFIC, PLACE THE TOP OF THE MANHOLE FLUSH WITH THE GROUND. AT OTHER LOCATIONS, PLACE IT A MINIMUM OF 230mm ABOVE THE GROUND. LIMIT DEPTH OF FILL TO 9.1m FROM FINISH GRADE TO TOP OF BASE SLAB.

THE MIN. SLAB THICKNESS 't' IS THE DIMENSION OF THE THINNEST PORTION OF THE TOP/BASE SLAB.

\* TOP MAT OF REINFORCEMENT MAY BE NEGLECTED IF TOP SLAB HAS A DISTINGUISHABLE TOP AND BOTTOM.

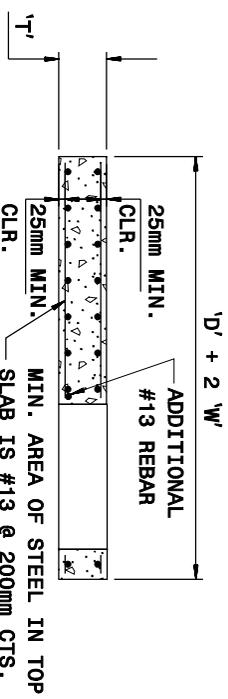


ALTERNATE CONE SECTION

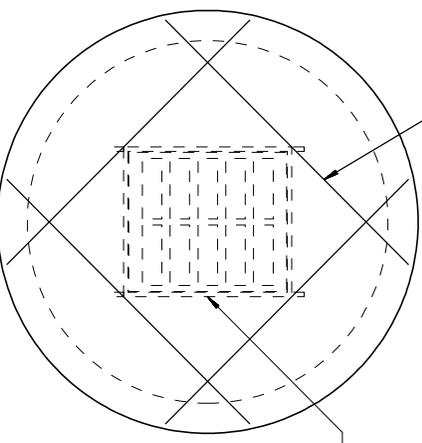
FRAME AND GRATES	STD. NO.
TRAFFIC BEARING	840.37
NONTRAFFIC BEARING:	
	840.22
	840.24
	840.20
	840.29
	840.33

D	W	T	As
INTERNAL DIAMETER (m)	MIN. WALL THICKNESS (mm)	MIN. TOP/BOTTOM SLAB THICKNESS (mm)	MIN. CIRCUMFERENTIAL AREA OF STEEL PER VERTICAL METER (SQ. mm)
1.2	100	150	254
1.5	125	200	317
1.8	150	200	381

FLAT TOP SLAB

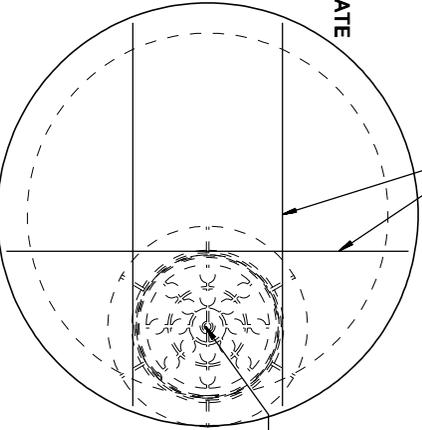


ADDITIONAL #13 EACH SIDE OF OPENING (25mm CLEAR OF BOTTOM FACE) PLACE BARS DIAGONAL TO CORNERS (TYP.)



GRADED INLET OPTION

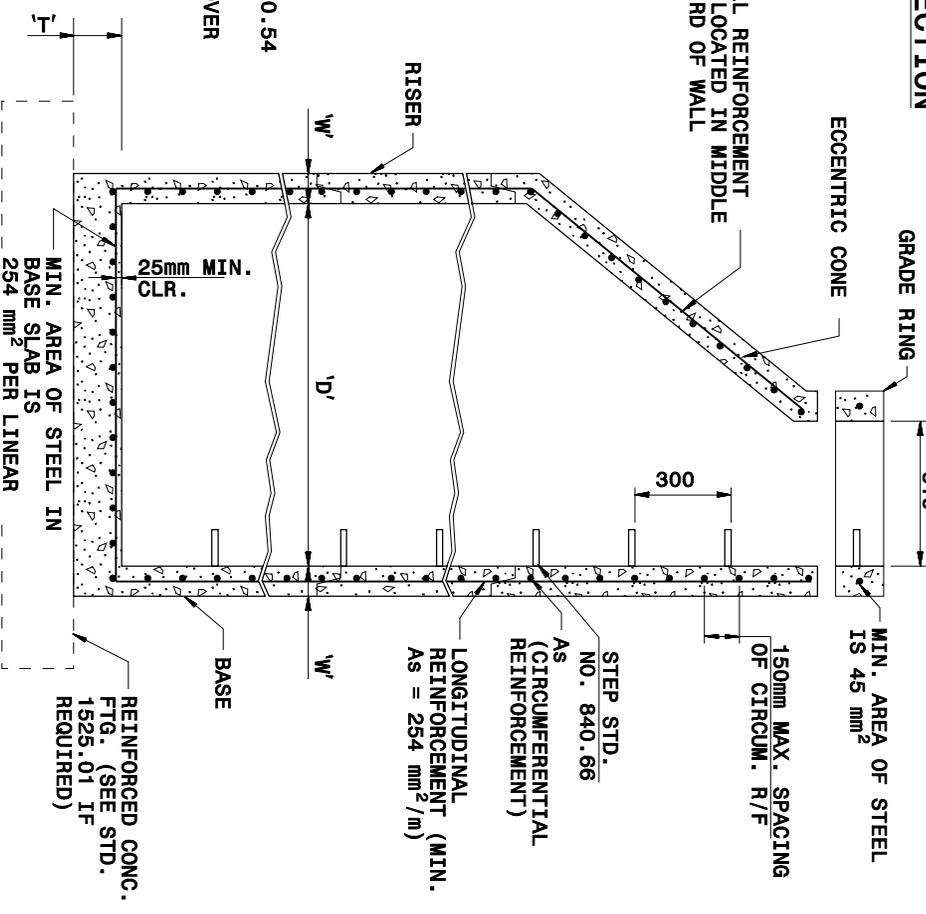
ADDITIONAL #13 EACH SIDE OF OPENING (25mm CLEAR OF BOTTOM FACE)



MANHOLE OPTION

SEE STD. 840.54 FOR MANHOLE RING AND COVER

WALL REINFORCEMENT IS LOCATED IN MIDDLE THIRD OF WALL



TYPICAL MANHOLE SECTION

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