

BEARING BAR 2 3/8" c/c
4" X 1/4" X 3'-1" (16)

END BANDS 3 1/2" X 1/4" X 2'-11 7/8"

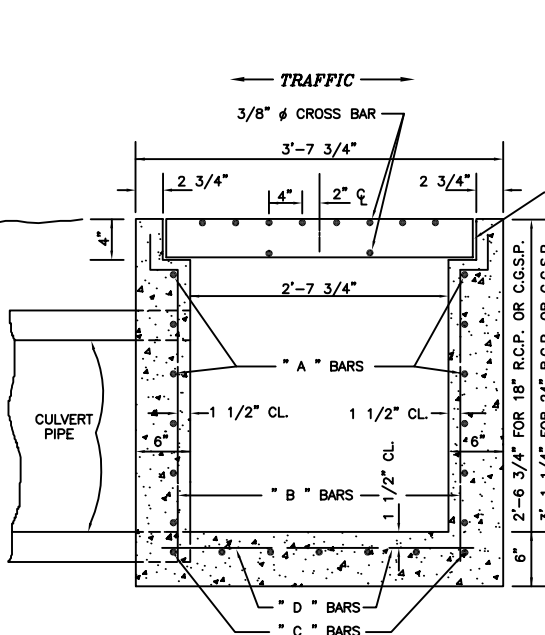
CROSS BAR 4" c/c
3/8" φ

HDI-E-400 KERRIGAN WELDFORGED GRATING OR EQUAL

16 Bearing bars @ 2 3/8" c/c - 4" x 1/4" x 3'-1" Long
Overall dimensions 3'-1 1/2" x 2'-11 7/8" arranged with 4" x 1/4" bearing bars 3'-1" long with end banding 3 1/2" x 1/4" end bands 2'-11 7/8" long and 3/8" cross bars spaced 4" c/c and (2) 3/8" cross bars on bottom spaced as shown.

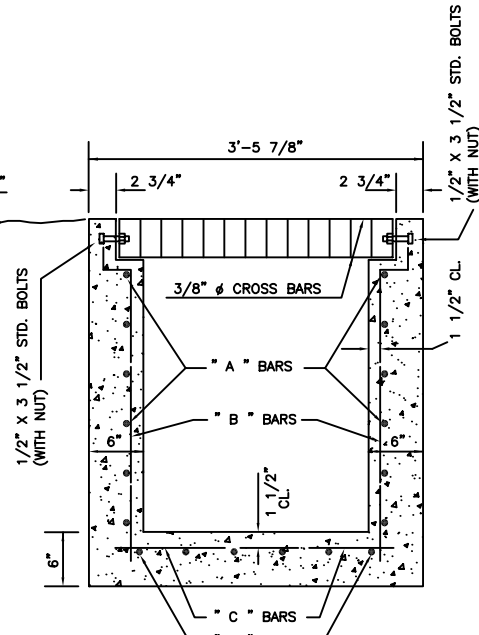
Dimension for other type grates shall conform to dimensions as shown plus or minus 3/8".

PLAN



SECTION A-A

TYPE 1 GRATE



SECTION B-B

GENERAL NOTES FOR TYPE 1 & TYPE 2 MEDIAN DRAINS

All Construction and Materials requirements shall conform to the current Specifications.

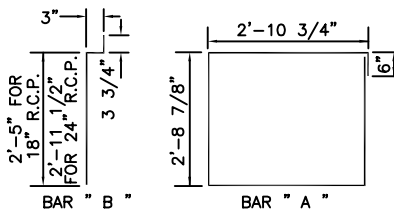
Exposed concrete edges shall have a 1/2" chamfer. All exposed surfaces shall be finished in accordance with Section 603.04(k).

Design of grate is based upon minimum H-15 loading.

Grate shall be furnished galvanized in accordance with the requirements of AASHTO M-111 or ASTM A-123. Hardware shall be furnished galvanized in accordance with the requirements of AASHTO M-232 or ASTM A-153.

Vent holes shall be drilled in Frame as shown in detail on Type 2 Grate.

	QUANTITIES	
	Class "A" Concrete	Reinforcing Steel
	Cu. Yd.	Lb.
18" R.C.P.	0.77	115.
24" R.C.P.	0.89	129.
Per Vertical Foot of Additional Depth	0.23	27.



BAR LIST					
MARK	SIZE	NO. BARS	SHAPE	LENGTH	SPACE
18" R.C.P.					
" A "	1/2" φ	5	Bent	11'- 9 1/4"	6" c/c
" B "	1/2" φ	16	Bent	2'-11 3/4"	9" c/c
" C "	5/8" φ	7	Str.	3'- 1 5/16"	6" c/c
" D "	5/8" φ	6	Str.	3'- 3 3/4"	6" c/c
24" R.C.P.					
" A "	1/2" φ	6	Bent	11'-9 1/4"	6" c/c
" B "	1/2" φ	16	Bent	3'-6 3/4"	9" c/c
" C "	5/8" φ	7	Str.	3'-1 5/16"	6" c/c
" D "	5/8" φ	6	Str.	3'-3 3/4"	6" c/c

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REVISIONS

Number	Date	Description

Project Number: _____
Project Location: _____

STANDARD
MEDIAN DRAIN
AND
GRATE TYPE 1

DD - 8 SHEET 1



Date: 6/1/00
Scale: NO SCALE
Cad File: c:\DATA\SPECS\DOB
Drawn By: P.B./C.L.H.
Designed By: R.H.
Approved By: R.H.
Sheet: _____ of _____