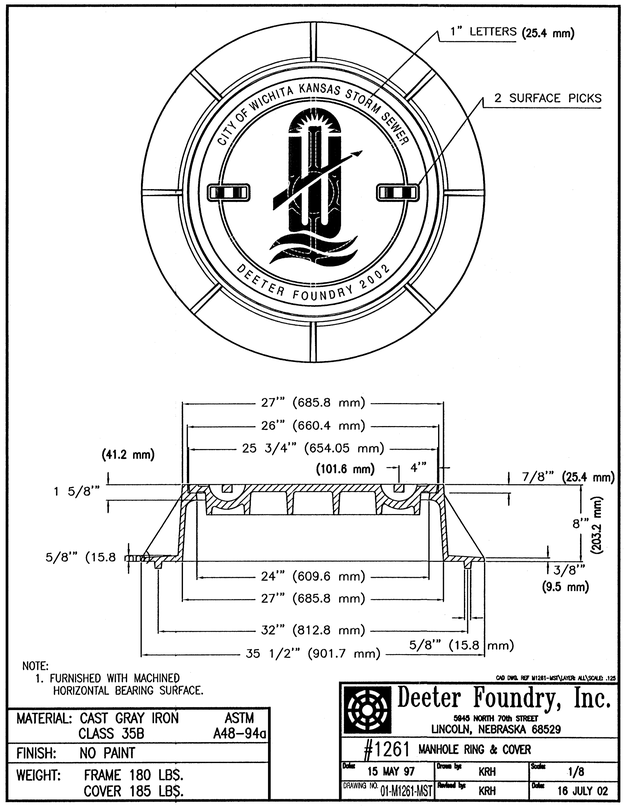


NOTE:
1. FURNISHED WITH MACHINED HORIZONTAL BEARING SURFACE.

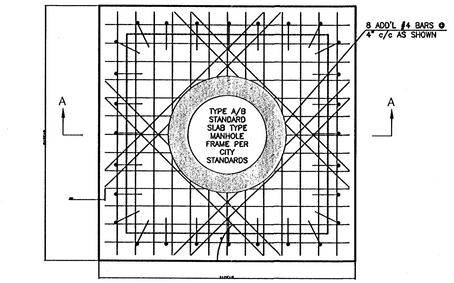
MATERIAL:	CAST GRAY IRON CLASS 35B	ASTM A48–94a
FINISH:	NO PAINT	
WEIGHT:	FRAME 180 LBS. COVER 185 LBS.	

CAD DWG. REF M1261-MST/LAYER ALL/SCALE 1.25

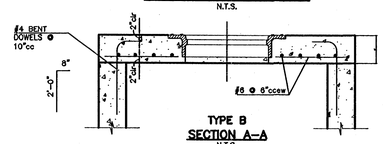
Deeter Foundry, Inc.
5845 NORTH 70th STREET
LINCOLN, NEBRASKA 68529

#1261 MANHOLE RING & COVER

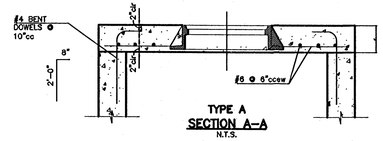
Dated: 15 MAY 97	Drawn by: KRH	Scales: 1/8	
DRAWING NO: 01-M1261-MST	Revised by: KRH	Dates: 16 JULY 02	



PLAN OF CONCRETE COVER
N.T.S.



TYPE B
SECTION A–A
N.T.S.



TYPE A
SECTION A–A
N.T.S.

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY STANDARD SPECIFICATIONS.
2. ALL EXPOSED CONCRETE SURFACES SHALL HAVE A CARBORUNAUM FINISH.
3. ALL EXPOSED CONCRETE EDGES SHALL HAVE A 3/4" CHAMFER.
4. ALL REINFORCED STEEL SHALL BE 1/2" DIA EXCEPT AS NOTED. ALL HORIZONTAL BARS SHALL BE SPACED AT 6" CC EXCEPT AS SHOWN FOR 48" TO 72" R.C.P. VERTICAL BARS SHALL BE SPACED AT 10" CC.
5. MAXIMUM DEPTHS OF BOXES FOR 48" TO 72" R.C.P. SHALL BE AS FOLLOWS: 48"–18'; 54"–18'; 60"–14'; 66"–12'; 72"–10'.
6. REINFORCED CONCRETE PIPE SHALL CONFORM TO REQUIREMENTS OF A.A.S.H.O. M–170(ASTM C–76) CLASS III UNLESS OTHERWISE DESIGNATED.
7. WALL THICKNESS (DIMENSION " T ") OF PIPES SHOWN, ARE TAKEN FROM "WALL B" COLUMN OF A.A.S.H.O. TABLES.

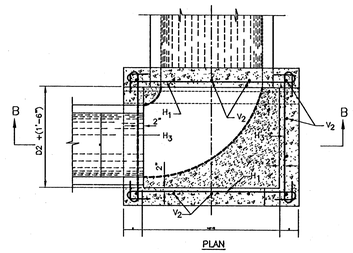
D	15"	18"	21"	24"	27"	30"	33"	36"	42"	48"	54"	60"	66"	72"
T	2 1/4"	2 1/2"	2 3/4"	3"	3 1/4"	3 1/2"	3 3/4"	4"	4 1/2"	5"	5 1/2"	6"	6 1/2"	7"

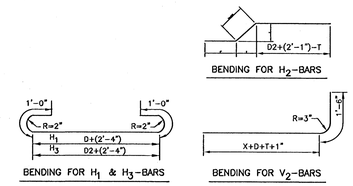
8. DIMENSION D IS THE DIAMETER OF THE LARGEST PIPE ENTERING THE JUNCTION BOX THROUGH THE SIDE.
9. DIMENSION "X" DEPENDS ON DEPTHS AS CALLED FOR IN THE PLANS.
10. FOR WALL HEIGHTS ≤ 7' N=8"
    FOR WALL HEIGHTS > 7' N=10"
11. FOR PIPE ENTRY/EXIT AT SKEW ANGLES CONTRACTOR SHALL INCREASE THE INSIDE WIDTH OF THE BOX TO ALLOW FOR 9" CLEARANCE AT EACH SIDE OF THE PIPE.

GENERAL NOTE:

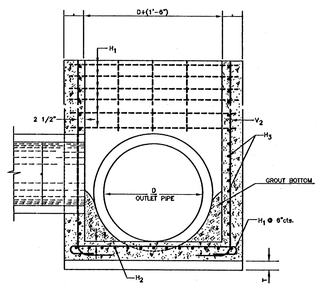
1. STORM SEWER STRUCTURES (JUNCTION BOX/INLETS) SHALL BE PRE–CAST. NO BRICK CONSTRUCTION IS ALLOWED.

2. A MINIMUM OF 6" THICK 1 1/2" CLEAN ROCK/AGGREDATE BASE (ASTM #57) WILL BE REQUIRED UNDER STORM SEWER STRUCTURES (JUNCTION BOX/INLETS).

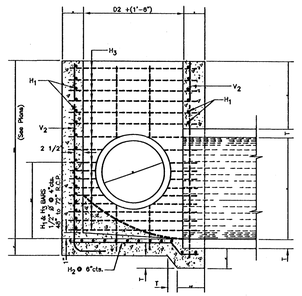




BAR BENDING DIAGRAMS
N.T.S.



SECTION B–B



SECTION ON ℄

JUNCTION BOX FOR 15" TO 72" REINF. CONC. PIPE
N.T.S.

TERENCE L. HAYNES LICENSED 14583 PROFESSIONAL ENGINEER KANSAS
NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

STORM SEWER JUNCTION BOX DETAILS

WAL–MART SUPERCENTER #4321–00

NW 53rd ST. NORTH & N. MERIDIAN
WICHITA, KANSAS

SMC Consulting Engineers, P.C.
815 West Main – Oklahoma City, OK 73106
PH: 405–232–7715 Fax: 405–232–7859
KANSAS CERTIFICATE OF AUTHORIZATION NO. E–335 EXP. DEC. 31, 2008

No.	Revision	By	Date
1	Per City comments	MDS	03/23/07

DATE: 12/12/06
DRAWN BY: TN
PROJECT NO.: 4344.00
SCALE: NTS
ENGINEER: TERENCE L. HAYNES, P.E. #14583

SHEET NO.
C–8.16

3/30/07

J:\4344\Storm Sewer\4344DT23.dwg, 3/30/2007 10:04:58 AM