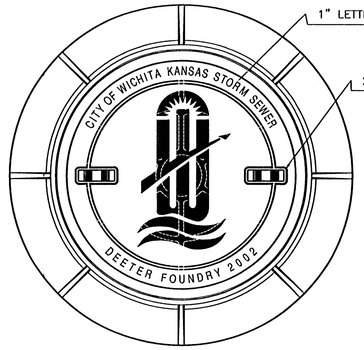
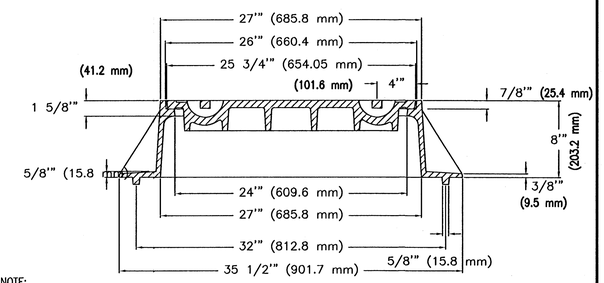




NOTE:
1. FURNISHED WITH MACHINED HORIZONTAL BEARING SURFACE.

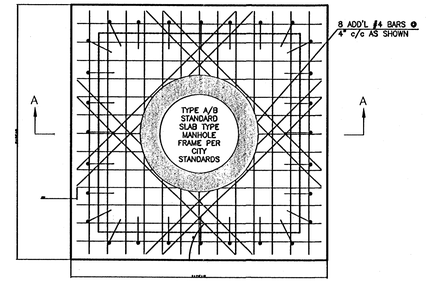
CAD DWG. REF M1261-MST/LAYER: ALL/SCALE: .125

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

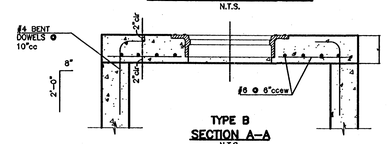
Deeter Foundry, Inc.
5645 NORTH 70th STREET
LINCOLN, NEBRASKA 68529

#1261 MANHOLE RING & COVER

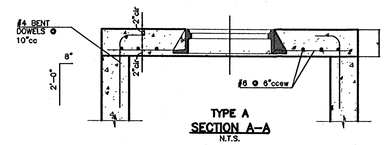
Date:	15 MAY 97	Drawn by:	KRH	Scale:	1/8
DRAWING NO:	01-M1261-MST	Revised by:	KRH	Date:	16 JULY 02



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 8" 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"–16'; 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.

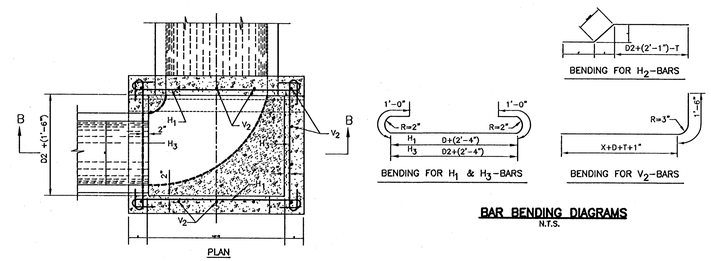
D	15"	18"	21"	24"	27"	30"	33"	36"	42"	48"	54"	60"	66"	72"
T	2 1/4"	2 1/2"	2 3/4"	3"	3 1/4"	3 1/2"	3 3/4"	4"	4 1/2"	5"	5 1/2"	6"	6 1/2"	7"

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:

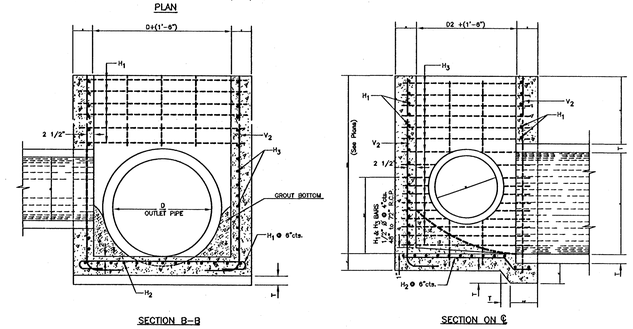
1. STORM SEWER STRUCTURES (JUNCTION BOX/INLETS) SHALL BE PRE–CAST. NO BRICK CONSTRUCTION IS ALLOWED.

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



PLAN

BAR BENDING DIAGRAMS
N.T.S.



SECTION B–B

SECTION ON ℄

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

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	MCS	03/23/07

TERENCE L. HAYNES LICENSED 14583 KANSAS PROFESSIONAL ENGINEER 3/1/07
NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

DATE: 12/12/06	SCALE: NTS	SHEET NO. C–8.16
DRAWN BY: TN		
PROJECT NO.: 4344.00		
ENGINEER: TERENCE L. HAYNES, P.E. #14583		

2:\4344\Storm Sewer\4344DT23.dwg, 3/23/2007 10:34:59 AM