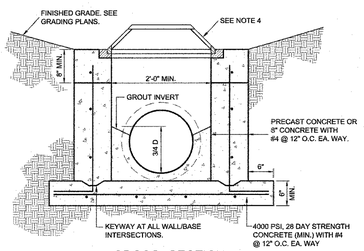
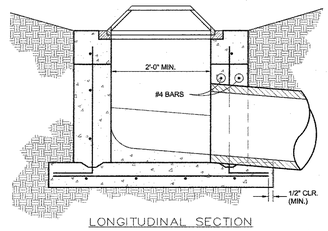


CROSS SECTION



LONGITUDINAL SECTION

NOTES:

1. INLET TO BE SET ON SUBGRADE COMPACTED TO 95% OF STANDARD PROCTOR (ASTM D-698)
2. PIPE DIAMETER, DEPTH AND DIRECTION SHALL BE DICTATED BY THE PROJECT GRADING AND DRAINAGE PLAN.
3. PRECAST TOPS MUST BE SET IN PLACE USING A FULL BED OF MORTAR.
4. INLET SHALL BE EQUIPPED WITH A DEETER FOUNDRY, INC. NO. 3070 GRATE AND NO. 2410 FRAME.
5. ALL CONCRETE SHALL BE CLASS "AS", 4000 PSI 28 DAY STRENGTH, MINIMUM.

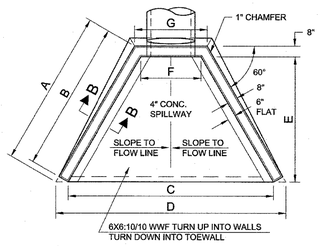
INLET SIZE	WALL THICK. (IN.)	FLATTOP THICK. (IN.)	BOTTOM THICK. (IN.)
2'X4'	6	6	6
32"X32"	8	8	8
3'X3'	6	8	6
3'X4'	6	8	6
3'X6'	6	8	6
4'X4'	6	8	6
4'X4'	8	8	6
5'X5'	6	8	6
62"X62"	8	8	8
7'X7'	8	10	8
3'X6'	6	8	6
4'X6'	8	8	8

STANDARD 3070 INLET
NOT TO SCALE

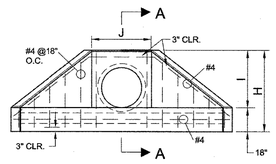
CITY OF LAKELAND ENGINEERING DIVISION

STANDARD 3070 INLET

REV.	DESCRIPTION	DATE
1	ORIGINAL ISSUE	8/2008
2	DIMENSION TABLE	1/2011

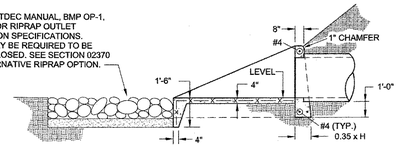


PLAN

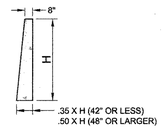


ELEVATION

REFER TO TDEC MANUAL, BMP OP-1, TABLE 1 FOR RIPRAP OUTLET PROTECTION SPECIFICATIONS. RIPRAP MAY BE REQUIRED TO BE WIRE ENCLOSED. SEE SECTION 02370 FOR ALTERNATIVE RIPRAP OPTION.



SECTION A-A



SECTION B-B

TABLE OF DIMENSIONS AND DIAMETERS

DIM	15"	18"	21"	24"	30"	36"	42"	48"	54"	60"	66"	72"
A	5'-3"	5'-11"	7'-1"	7'-1"	8'-4"	9'-7"	10'-10"	12'-0"	13'-4"	14'-9"	16'-0"	17'-3"
B	4'-11"	5'-6"	6'-8"	6'-8"	7'-11"	9'-2"	10'-5"	11'-8"	12'-11"	14'-3"	15'-6"	16'-9"
C	6'-3"	7'-1"	8'-10"	8'-10"	10'-8"	12'-6"	14'-4"	16'-2"	18'-0"	20'-0"	21-10"	23'-8"
D	7'-11"	8'-10"	10'-7"	10'-7"	12'-5"	14'-3"	16'-1"	17'-11	19'-9"	21'-9"	23'-7"	25'-5"
E	3'-10"	4'-5"	5'-5"	5'-5"	6'-6"	7'-7"	8'-8"	9'-9"	10'-10"	12'-0"	13'-1"	14'-2"
F	1'-9"	2'-1"	2'-7"	2'-7"	3'-2"	3'-9"	4'-4"	4'-10"	5'-6"	6'-2"	6'-9"	7'-4"
G	2'-8"	2'-11"	3'-5"	3'-5"	4'-0"	4'-11"	5'-2"	5'-10"	6'-4"	7'-0"	7'-7"	8'-2"
H	3'-5"	3'-8"	3'-11"	4'-2"	4'-8"	5'-2"	5'-8"	6'-2"	6'-8"	7'-2"	7'-8"	8'-2"
I	1'-11"	2'-2"	2'-8"	2'-8"	3'-3"	3'-9"	4'-4"	4'-10"	5'-5"	6'-0"	6'-6"	7'-1"
J	1'-7"	1'-11"	2'-5"	2'-5"	3'-0"	3'-7"	4'-2"	4'-9"	5'-4"	6'-0"	6'-7"	7'-2"

NOTE: PRECAST CONCRETE TO BE CLASS "AS", 4000 PSI, 28 DAY STRENGTH, MINIMUM.

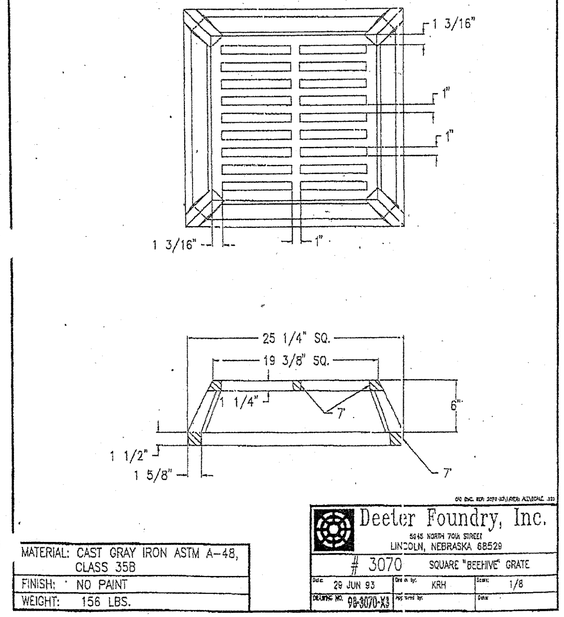
TYPE "D" HEADWALL WITH WINGWALLS
NOT TO SCALE

CITY OF LAKELAND ENGINEERING DIVISION

TYPE "D" HEADWALL

REV.	DESCRIPTION	DATE
1	ORIGINAL ISSUE	8/2008

APR-05-99 MON 03:21 PM DEETER FOUNDRY INC. FAX NO. 402 484 8533 P. 02



MATERIAL:	CAST GRAY IRON ASTM A-48, CLASS 35B
FINISH:	NO PAINT
WEIGHT:	156 LBS.

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

3070 SQUARE "BEEHIVE" GRATE

Date: 29 JUN 93	Drn. by: KRH	Scale: 1/8	
Drawing No. 98-3070-X3	Pattern No.	Date	

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File name: W:\10149\Subdivision plans\10149PP01.dwg
Layout Name: DETAILS
Plotted: Wednesday, April 12, 2017 - 11:55 am
By: bdamico

FISHER ARNOLD
ENGINEERING INTEGRATION
9180 Crestwyn Hills Drive | Memphis, Tennessee 38125-8538
901.748.1811 | Fax: 901.748.3115 | www.fisherarnold.com
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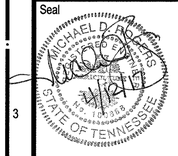
DRAINAGE IMPROVEMENTS
OAKWOOD P.D.
LAKELAND, TENNESSEE

Rev.	Date	Revision Description

Seal



Issue Date: 02-20-17
Project No: B10149
Drawn By: SYN
Checked By:MDR
Sheet Title:

CONSTRUCTION DETAILS

SHEET 1 OF 1

13/13