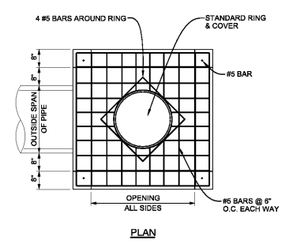
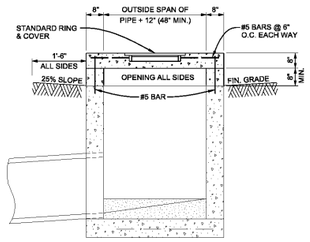
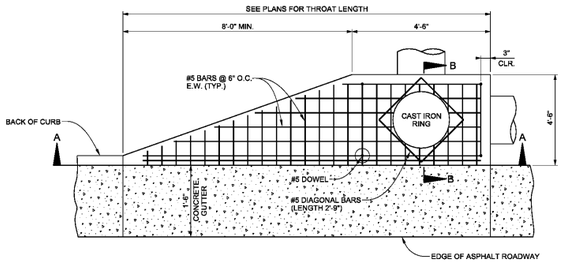


PLAN



SECTION

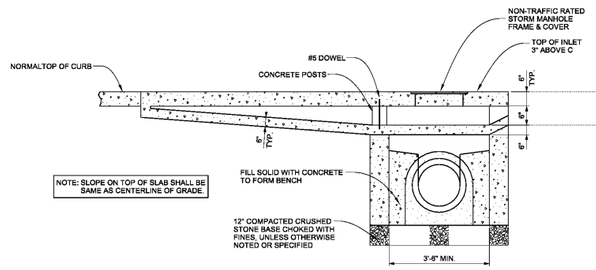
J1 | 4-WAY OPEN THROAT INLET DETAIL — NO SCALE



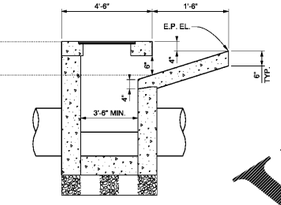
TYPE "S" INLET PLAN

GENERAL NOTES:

1. WHERE DIRECTION OF FLOW IS FROM EACH END OF INLET, SIDEWING OPENINGS (AS SHOWN ON ONE SIDE ONLY ON THIS DRAWING) SHALL BE CONSTRUCTED AT EACH END OF INLET, FOR EACH INLET SO CONSTRUCTED.
2. TO ACCOMMODATE SKEWED PIPE OR FIT OTHER CONDITIONS, IT MAY BE NECESSARY TO INCREASE ONE OR BOTH PLAN VIEW DIMENSIONS OF INLET BOX AND COVER SLAB. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRESPONDING INCREASE IN MATERIALS AND OTHER COSTS WHERE CHANGES IN DIMENSIONS ARE REQUIRED.
3. INLET WITH BOX SIZED FOR 15"-30" PIPE SHALL BE DESIGNATED AS TYPE S3, FOR 36"-54" PIPE AS TYPE S4.
4. MIRROR DESIGN ABOUT CENTER LINE B-B FOR DOUBLE WING CURB INLET.

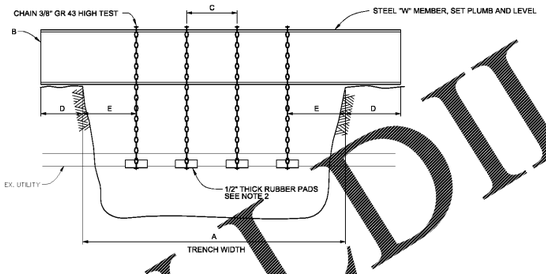


SECTION A-A



SECTION B-B

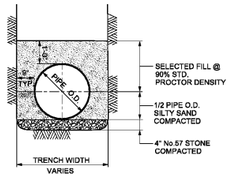
E1 | DOGHOUSE TYPE "S" INLET DETAIL — NO SCALE



A(ft)	B	C(ft)	D(ft)	E(ft)
4' - 4'	W8x28	1.33'	1'	1'
6'	W12x30	1.50'	1'	1'
8'	W12x30	1.50'	1.50'	1'
10'	W12x336	1'	2'	1'
12'	W12x336	1'	3'	1'
16' - 20'	W18x192	1'	A/4	1'

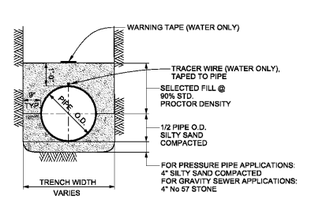
NOTES:
1. CONTRACTOR SHALL INSTALL SUPPORT STRUCTURE AS PIPING IS EXCAVATED. UTILITY TO BE SUPPORTED SHALL AT NO TIME BE UNDETERMINED WITHOUT BEING SUPPORTED BY CHAIN OR EARTH IN THE INCREMENTS SHOWN (DIMENSION "C").
2. FOR CROSSING UNDER CHECKED WATER TRANSITE PIPING, IN LIEU OF RUBBER PADS, CONTRACTOR SHALL UTILIZE HDPE PIPE DR 11, CUT LONGITUDINALLY TO ACT AS A RIGID PIPE CRADLE. EACH HDPE PIPE CRADLE SHALL BE CUT IN LENGTHS OF "C" AND SUPPORTED BY A SINGLE CHAIN. HDPE PIPE CRADLE DIAMETER SHALL BE ONE SIZE LARGER THAN THE PIPE TO BE SUPPORTED.
3. TRENCH WIDTHS OVER 20' REQUIRE CONTRACTOR TO SUBMIT A STRUCTURAL DESIGN.
4. CONTRACTOR SHALL TENSION ALL CHAINS EVENLY. EACH CHAIN TENSIONER SHALL BE CAPABLE OF SUPPORTING A MINIMUM OF 4,900 LBS.
5. CONTRACTOR TO FULLY SUPPORT ALL EXISTING UTILITIES AS THEY ARE CROSSED BY NEW WORK. ANY DAMAGE CAUSED BY FAILURE TO PROTECT/SUPPORT UTILITIES WILL BE PAID FOR BY THE CONTRACTOR.

E7 | EXISTING UTILITY SUPPORT DETAIL — NO SCALE



NOTE:
APPLICATION OF GEOTEXTILE FILTER FABRIC TO COVER MINIMUM 6" EACH SIDE OF ALL JOINTS.

NO SCALE



NO SCALE

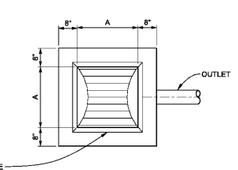
C7 | RCP BEDDING & BACKFILL DETAIL — C9 | D.I. PIPE BEDDING & BACKFILL DETAIL

SECTION A-A

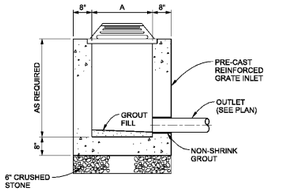
SECTION B-B

A1 | "S" INLET DETAIL — NO SCALE

PIPE SIZE	MIN. WIDTH (A)
15" OR LESS	2'
18"-24"	3'



PLAN



SECTION

NOTE:
CONTRACTOR MAY ELECT TO UTILIZE CRUSHED RECYCLED CONCRETE IN LIEU OF STONE AS BEDDING AND BACKFILL MATERIAL.

A7 | GRATE INLET DETAIL — NO SCALE — NO SCALE

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MISCELLANEOUS DETAILS

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