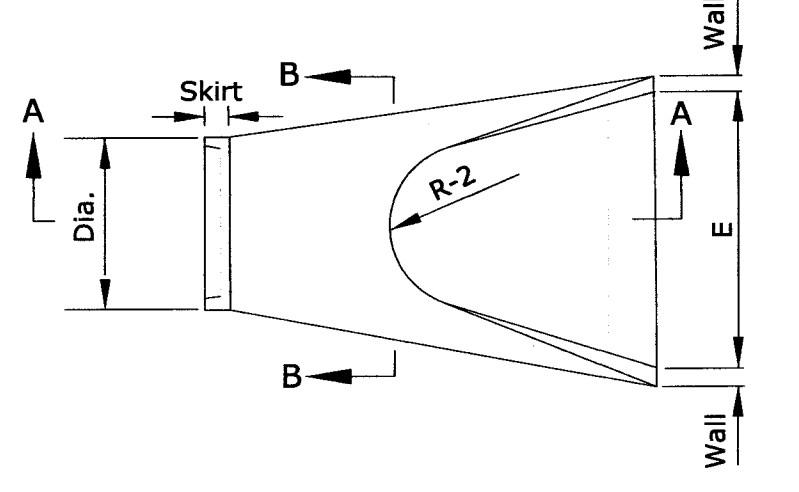


TRENCH WIDTH TABLE

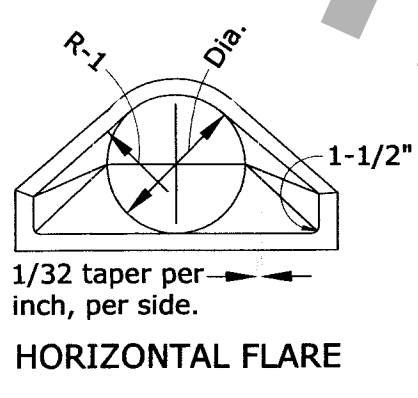
PIPE Ø	MIN WIDTH
12"	2'-6"
15"	2'-9"
18"	3'-0"
24"	3'-6"
30"	4'-1 1/2"
36"	4'-9"
42"	5'-4 1/2"

Notes:
1. New street surface shall comply with local authority jurisdiction.

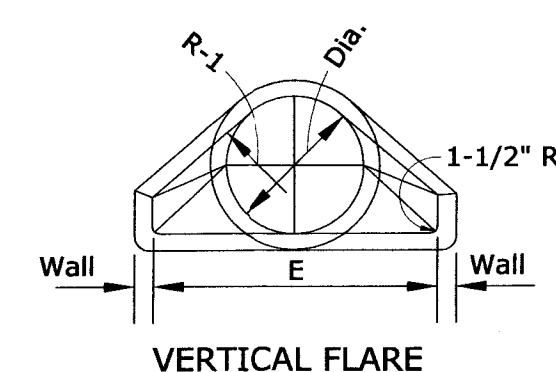
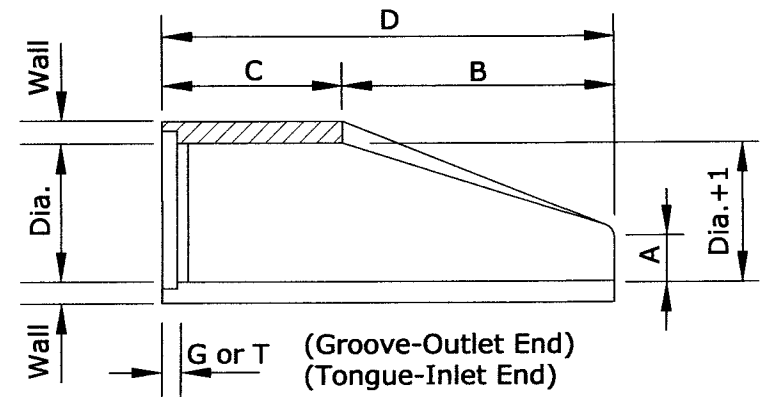
REINFORCED CONCRETE PIPE BEDDING
Scale: N.T.S.



SECTION A-A



HORIZONTAL FLARE

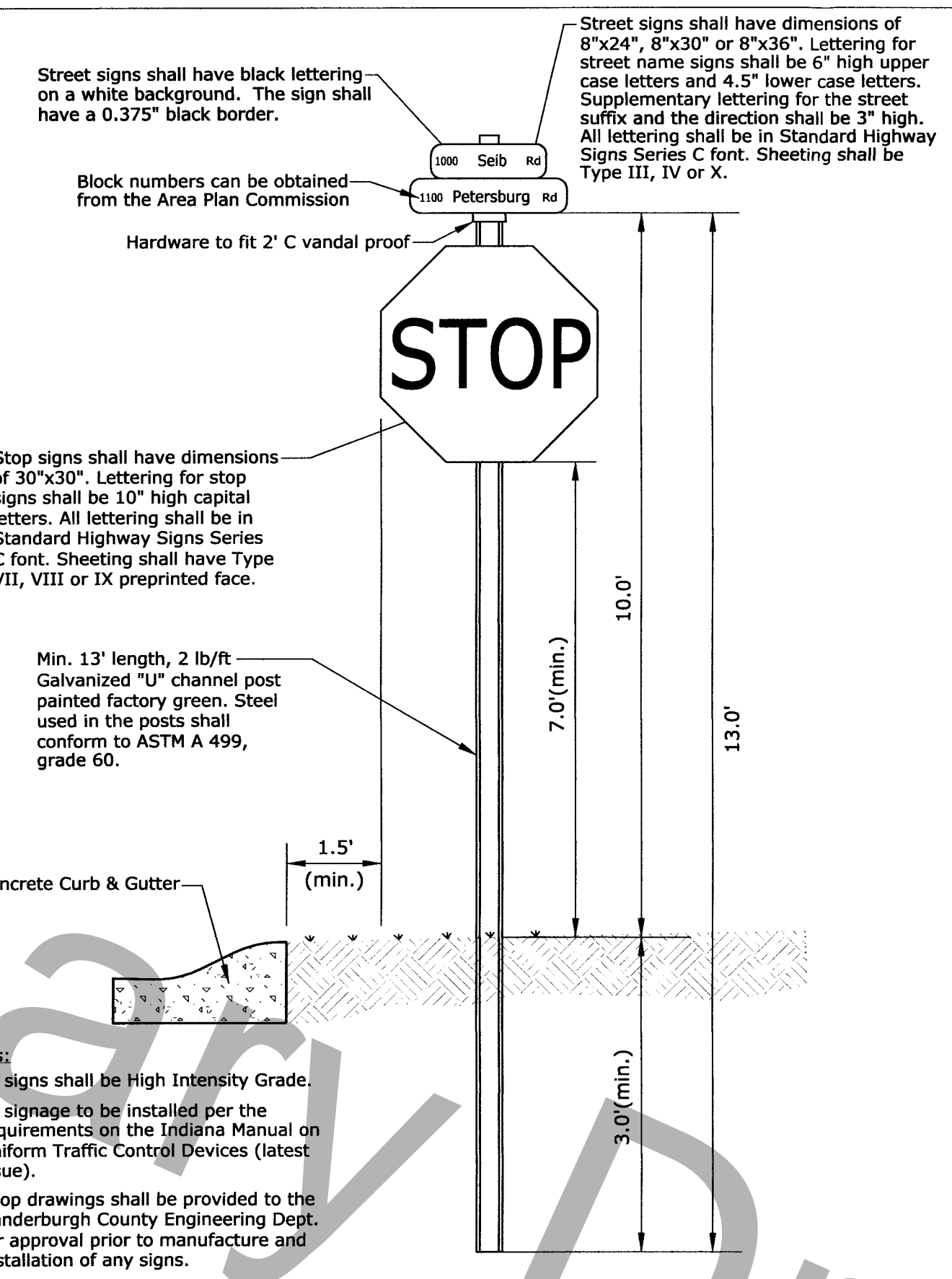


VERTICAL FLARE
SECTION B-B

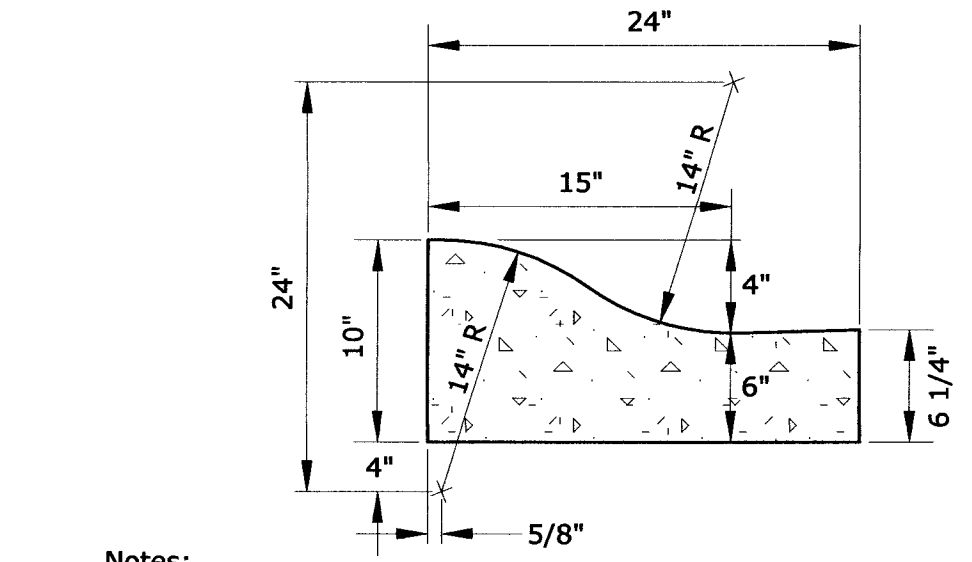
DIA.	WALL	G or T	WT. SEC.	A	B	C	D	E	DIA.+1	R-1	R-2	SKIRT
12	2	1 1/2	530	4	24	48 7/8	72 7/8	24	13	10 1/16	9	3 1/2
15	2 1/4	2	740	6	27	46	73	30	16	12 1/2	11	3 1/2
18	2 1/2	2 1/2	990	9	27	46	73	36	19	15 1/2	12	4
21	2 3/4	2 1/4	1280	9	35	38	73	42	22	16 1/8	13	4
24	3	2 1/2	1520	9 1/2	43 1/2	30	73 1/2	48	25	16 11/16	14	4 1/2
27	3 1/4	2 1/2	1930	10 1/2	48	25 1/2	73 1/2	54	28	17 3/4	14 1/2	4 1/2
30	3 1/2	3	2190	12	54	19 3/4	73 3/4	60	31	18 5/16	15	5
33	3 3/4	3 3/8	3150	13 1/2	58 1/2	39 1/4	97 3/4	66	34	23 3/4	17 1/2	5 1/2
36	4	3 1/2	4100	15	63	34 3/4	97 3/4	72	37	24 1/16	20	5 1/2
42	4 1/2	3 3/4	5380	21	63	35	98	78	43	27 1/4	22	5 1/2
48	5	4 1/4	6550	24	72	26	98	84	49	28 1/8	22	5 3/4
54	5 1/2	4 3/4	8040	27	65	35	100	90	55	32 7/8	24	6 1/4
60	6	5	8750	30	60	39	99	96	61	36 3/4	24	6 3/4
66	6 1/2	5 1/2	10630	24	78	21	99	102	67	35 11/16	24	7 1/4
72	7	6	12520	34	78	21	99	108	73	38 5/8	24	7 3/4
78	7 1/2	6 1/2	14430	24	78	21	99	114	79	41 15/16	24	8 1/2
84	8	7	16350	24	78	21	99	120	85	44 13/16	24	9

Note:
Manufacture of end section is in accordance with applicable portions of A.S.T.M. specification C76.

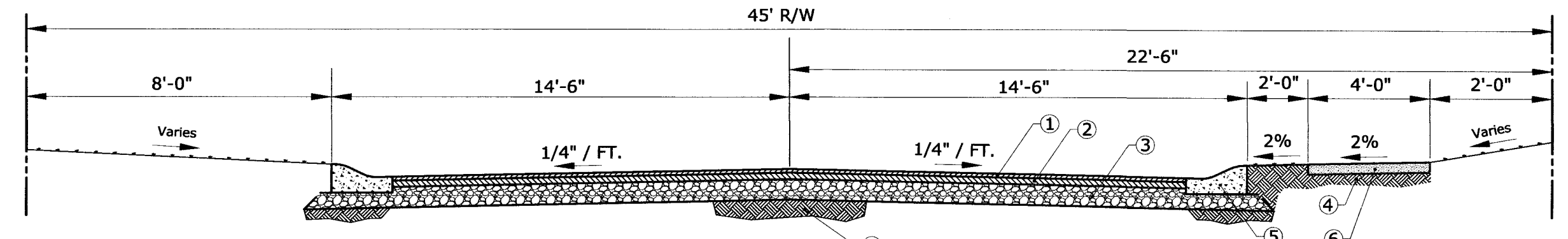
PRECAST CONCRETE END SECTION
Scale: N.T.S.



STREET SIGNS
Scale: N.T.S.



CONCRETE ROLL CURB AND GUTTER
Scale: N.T.S.

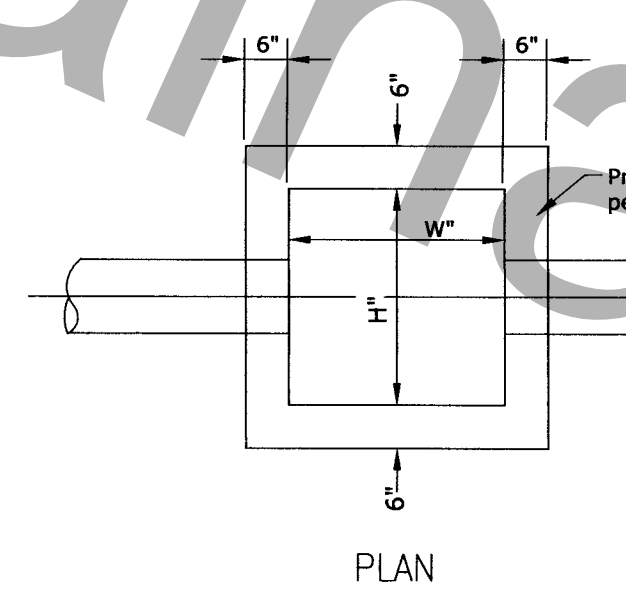


TYPICAL RESIDENTIAL CUL-DE-SAC
Scale: N.T.S.

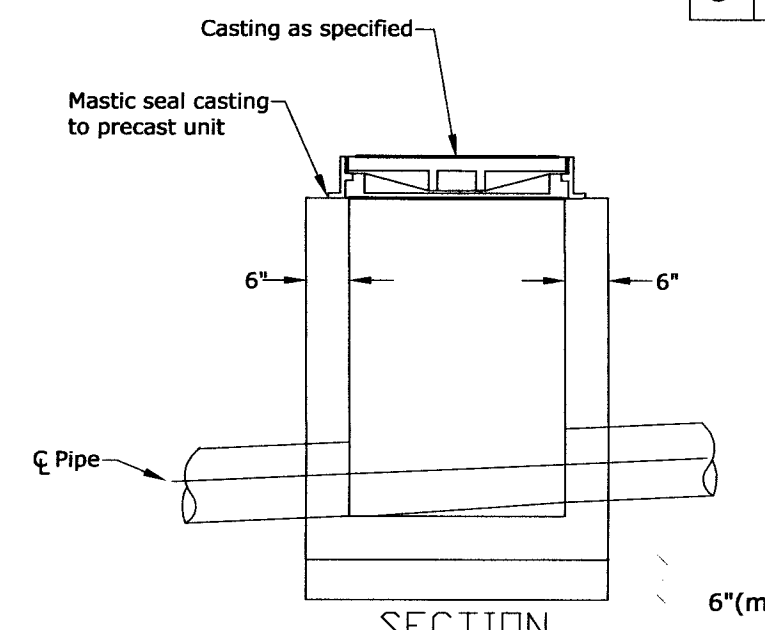
- Notes:
- 1/2" preformed expansion joint material at all P.C. and P.T. curb radii.
 - Tooled contraction joints at 10 ft. centers. Contraction joints to be a minimum 2" deep and 1/8" to 1/4" wide.

- 1" H.M.A. Surface
- 2" H.M.A. Base
- 6" Compacted Agg. Base - 95% Standard Proctor
- Compacted Subgrade - 95% Standard Proctor
- Curb & Gutter per County Stds. - 4000 psi P.C.C.
- 4" Sidewalk per INDOT and County Stds. - 4000 psi P.C.C.

29' RESIDENTIAL BITUMINOUS PAVEMENT WITH CONCRETE ROLL CURB & GUTTER
Scale: N.T.S.



PLAN



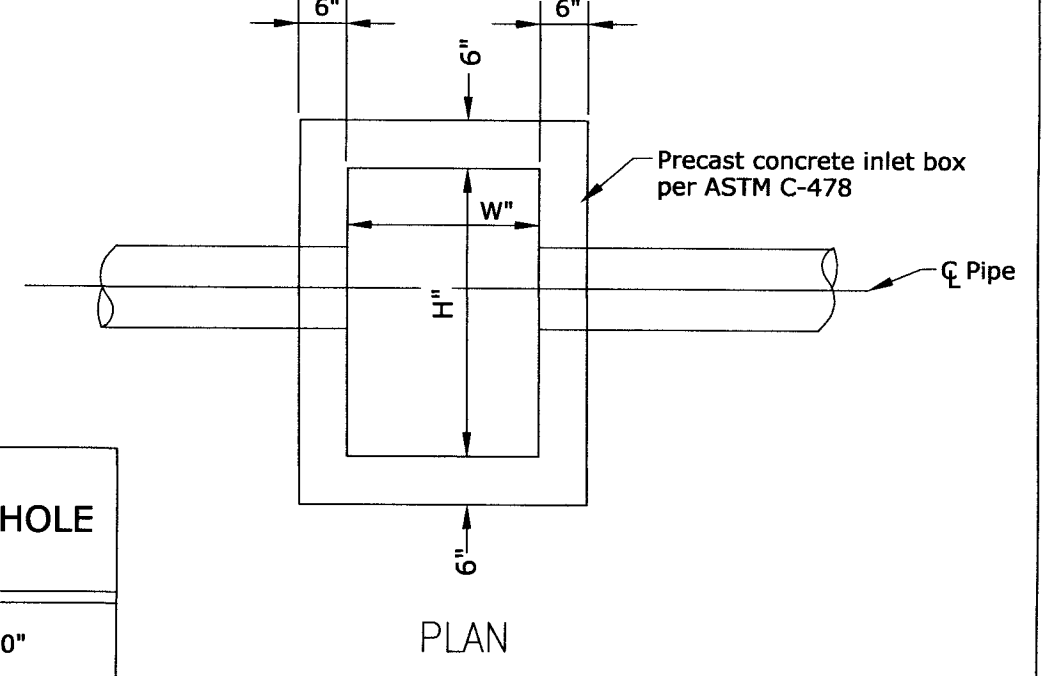
SECTION
AREA DRAIN/MANHOLE

INLET BOX TABLE

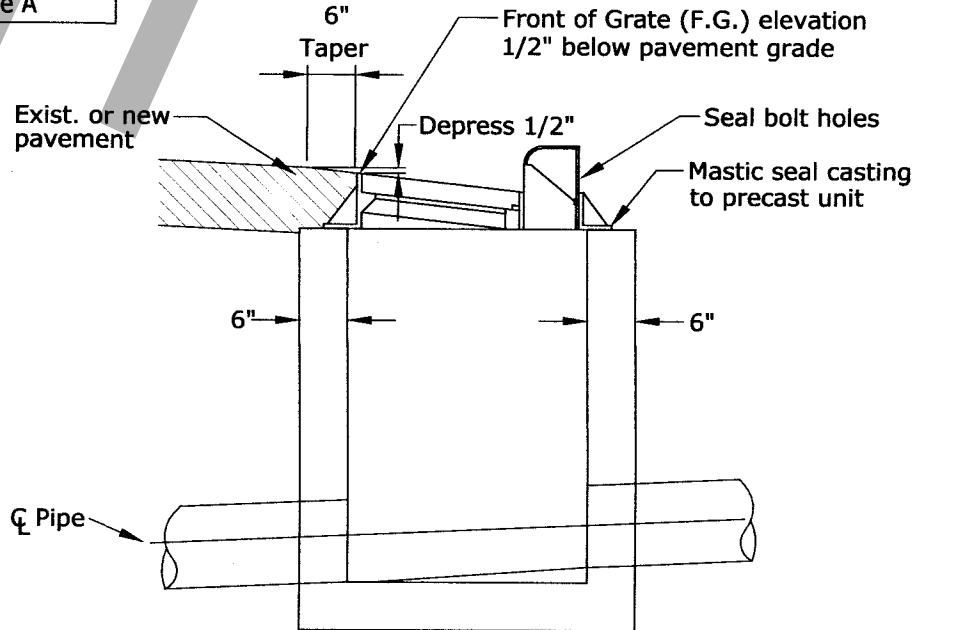
BOX SIZE	INLET TYPE	CURB INLET	DOUBLE CURB INLET	CURB INLET	AREA DRAIN	AREA DRAIN	MANHOLE
	"W"	24"	24"	30"	30"	30"	30"
"H"	36"	74"	46"	30"	46"	30"	
CASTING	Paved Areas	EJIW #7030	EJIW #7030	EJIW #7030			
	Grate	Type M2	Type M2	Type M2			
Non-Paved Areas					EJIW #6610	EJIW #6610	EJIW #1022-1
	Grate						Type A

- INLET NOTES:
- All precast units shall conform to ASTM C-478.
 - Inlets shall be backfilled with granular material and compacted in 8" loose lifts to 95% Standard Density per ASTM D698.
 - Casting shall be mastic sealed to precast unit.
 - All connecting pipes shall be grouted with a high strength, non-shrink grout.
 - Frame & castings shown are the type & size required for the given box dimensions. Alternates shall be equal to those shown, including grate & opening sizes.

PRECAST INLET BOX
Scale: N.T.S.



PLAN

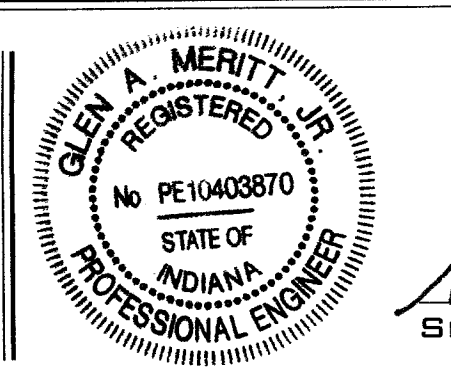


SECTION
CURB INLET

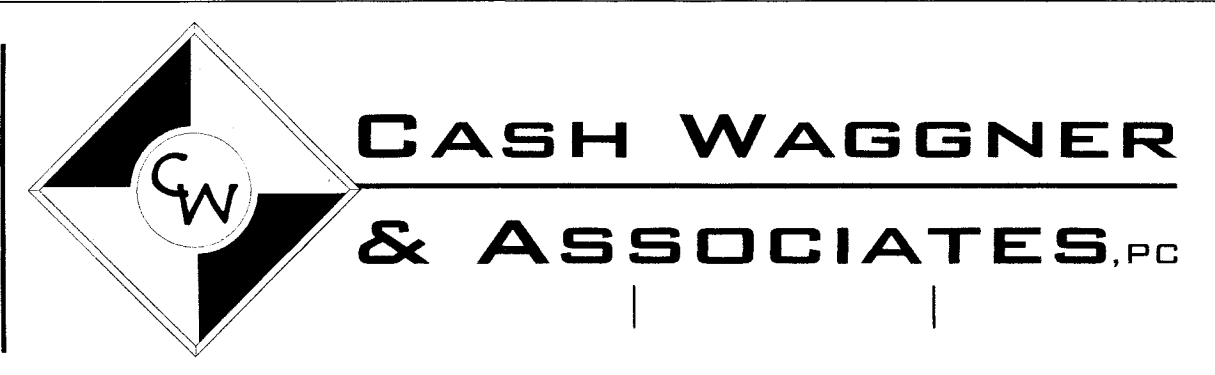
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Written dimensions shown hereon shall take precedence over scaled dimensions. Contractors shall calculate and measure required dimensions. Notify Cash Wagner & Associates, PC with any variations in dimensions or conditions from those indicated on these drawings. This drawing was based on available information. Commencement of Work constitutes verification and acceptance of existing conditions.

Application of a material or equipment to Work installed by others constitutes acceptance of that Work and assumption of responsibility for satisfactory installation.



Guy A. Merritt
SIGNATURE
10 June 20
DATE



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NO.	DATE	BY	DESCRIPTION

PROJECT NO.: 20-4242
DESIGNED BY: G.A.M.
DRAWN BY: G.A.M.
FILENAME: 4242 Road Storm Dtls
LAYOUT TAB:
SCALE: As Shown

PROJECT: MCCUTCHAN TRACE
ADDRESS: PETERSBURGH ROAD
EVANSVILLE, INDIANA
SHEET TITLE: ROAD & STORM SEWER DETAILS

DATE: 06.10.20
DRAWING NO.: C-118

RECEIVED BY
DATE
6-11-20