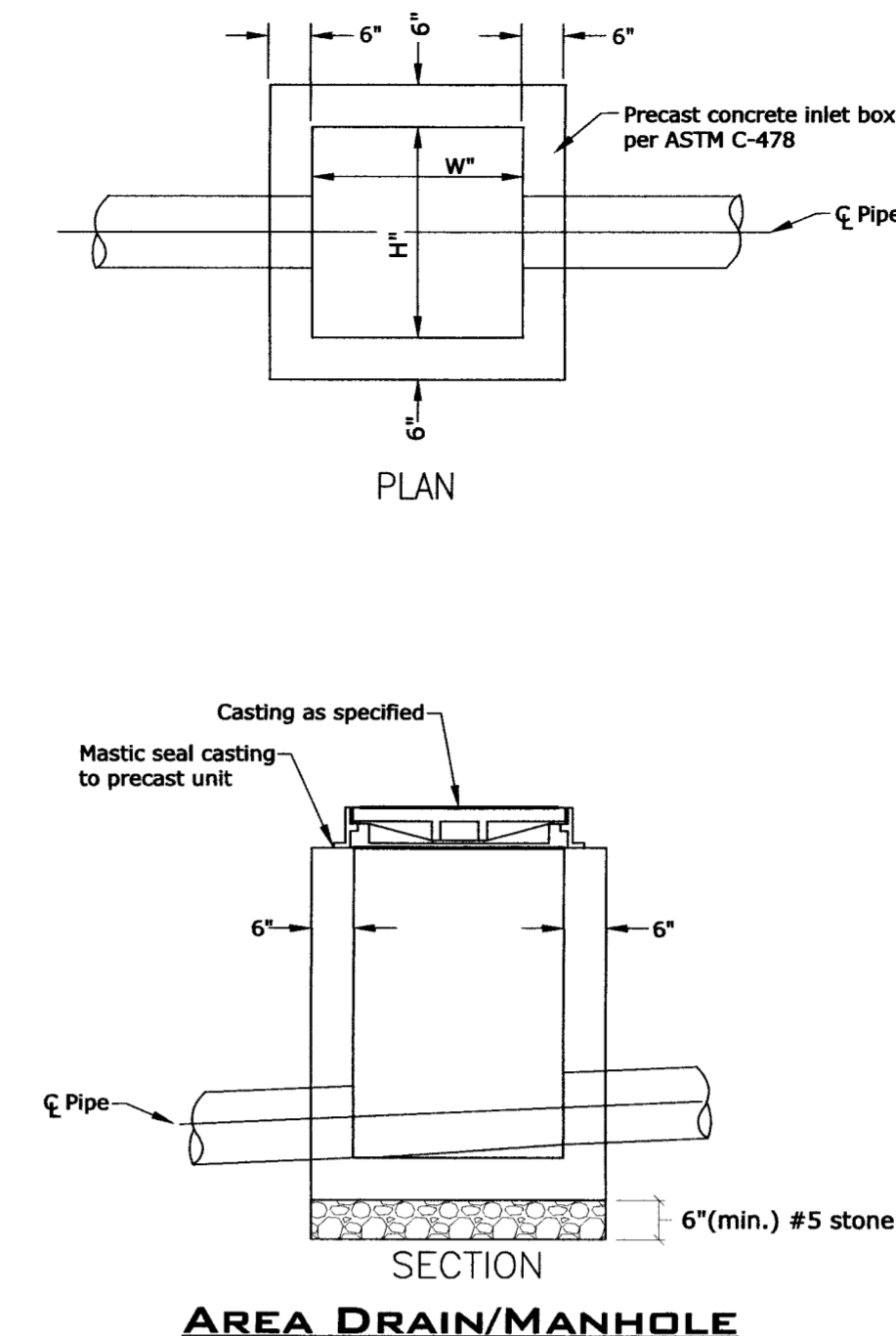


DIA.	WALL	G or T	WT. SEC.	A	B	C	D	E	DIA.+1	R-1	R-2	SKIRT
12	2	1 1/2	530	4	24	48 7/8	72 7/8	24	13	10 1/16	9	3 1/2
15	2 1/4	2	740	6	27	46	73	30	16	12 1/2	11	3 1/2
18	2 1/2	2 1/2	990	9	27	46	73	36	19	15 1/2	12	4
21	2 3/4	2 1/4	1280	9	35	38	73	42	22	16 1/8	13	4
24	3	2 1/2	1520	9 1/2	43 1/2	30	73 1/2	48	25	16 11/16	14	4 1/2

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.

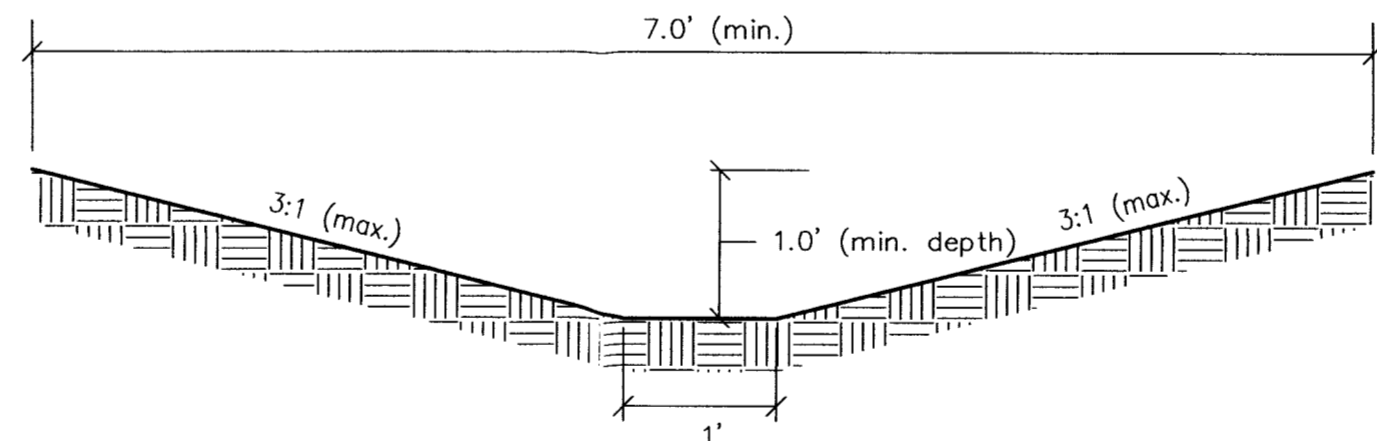


**INLET BOX TABLE**

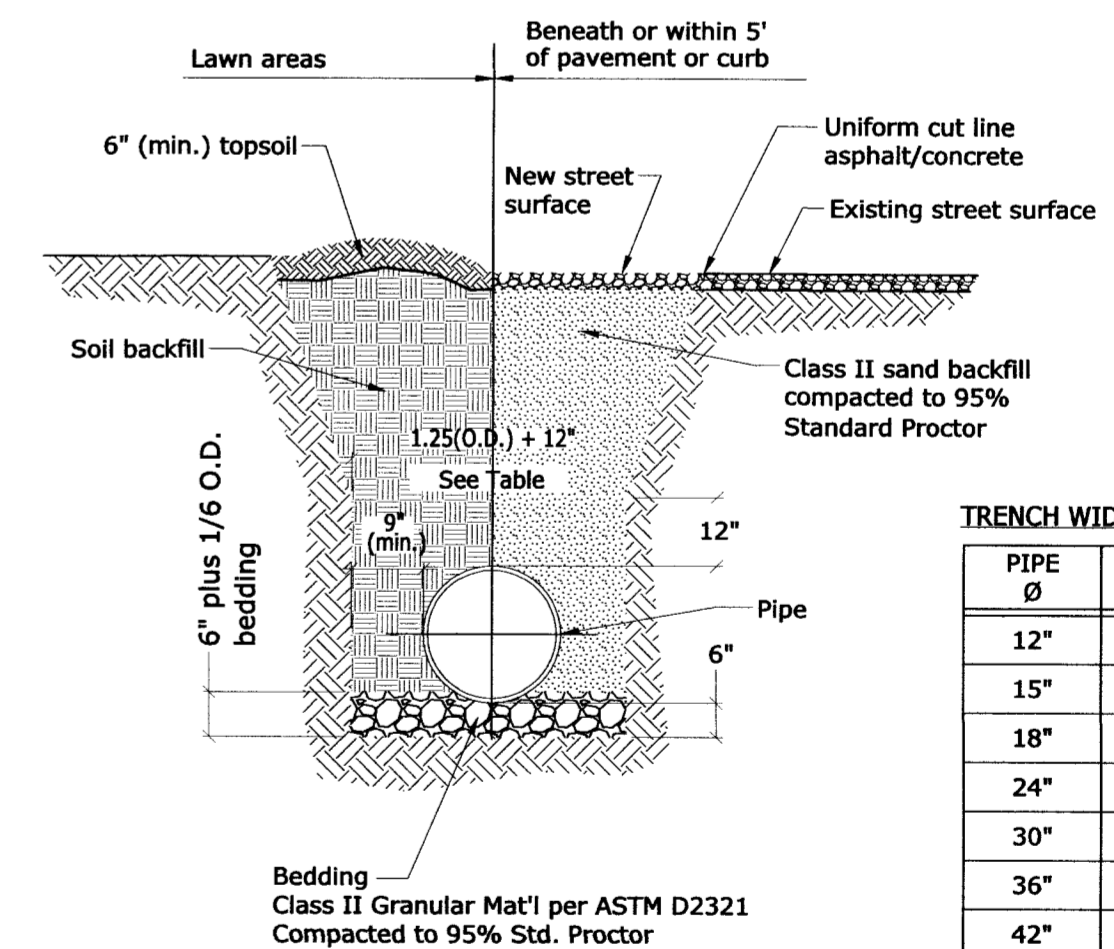
	INLET TYPE	AREA DRAIN	AREA DRAIN	MANHOLE
BOX SIZE	"W"	30"	36"	36"
	"H"	30"	36"	36"
CASTING	Paved Areas	EJIW #5420	EJIW #5420	
	Grate			EJIW #1022-1
	Non-Paved Areas			Type A

**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.



**TYPICAL SWALE CROSS-SECTION**  
Scale: N.T.S.



**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.

APPROVED

JUN 27 2023

VANDERBURGH COUNTY DRAINAGE BOARD

Received by the Vanderburgh County Surveyor's Office

JUN 26 2023

Time 9:20 AM Initials [Signature]

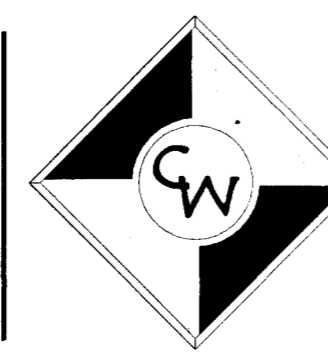
This drawing and/or specifications is provided as an instrument of service provided by Cash Waggoner & Associates, PC and is intended for use on this project only. All drawings, specifications, designs, models, ideas, calculations, and arrangements appearing herein constitutes the original and unpublished work of and remains the property of Cash Waggoner & Associates, PC. Any reproduction, use or disclosure of the proprietary information contained herein without the prior written consent of the Cash Waggoner & Associates, PC is strictly prohibited.

Written dimensions shown hereon shall take precedence over scaled dimensions. Contractors shall calculate and measure required dimensions. Notify Cash Waggoner & 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.



*Glen A. Meritt, Jr.*  
SIGNATURE  
23 June 23  
DATE



**CASH WAGGNER & ASSOCIATES, PC**

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SUITE B  
EVANSVILLE, IN 47715  
PH: 812.401.5561  
FAX: 812.401.5563  
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E-MAIL: GMERITT@CASHWAGGNER.COM

NO.	DATE	BY	DESCRIPTION

PROJECT NO.: 22-5341  
DESIGNED BY: G.A.M.  
DRAWN BY: G.A.M.  
FILENAME: 5341 Drainage Details  
LAYOUT TAB:  
SCALE: As Shown

PROJECT: **MACWIL SUBDIVISION**  
ADDRESS: **2700 S. GREEN RIVER ROAD  
EVANSVILLE, INDIANA**

SHEET TITLE: **DRAINAGE DETAILS**

DATE: **06.23.23**

DRAWING NO.: **C-108**

OF: