

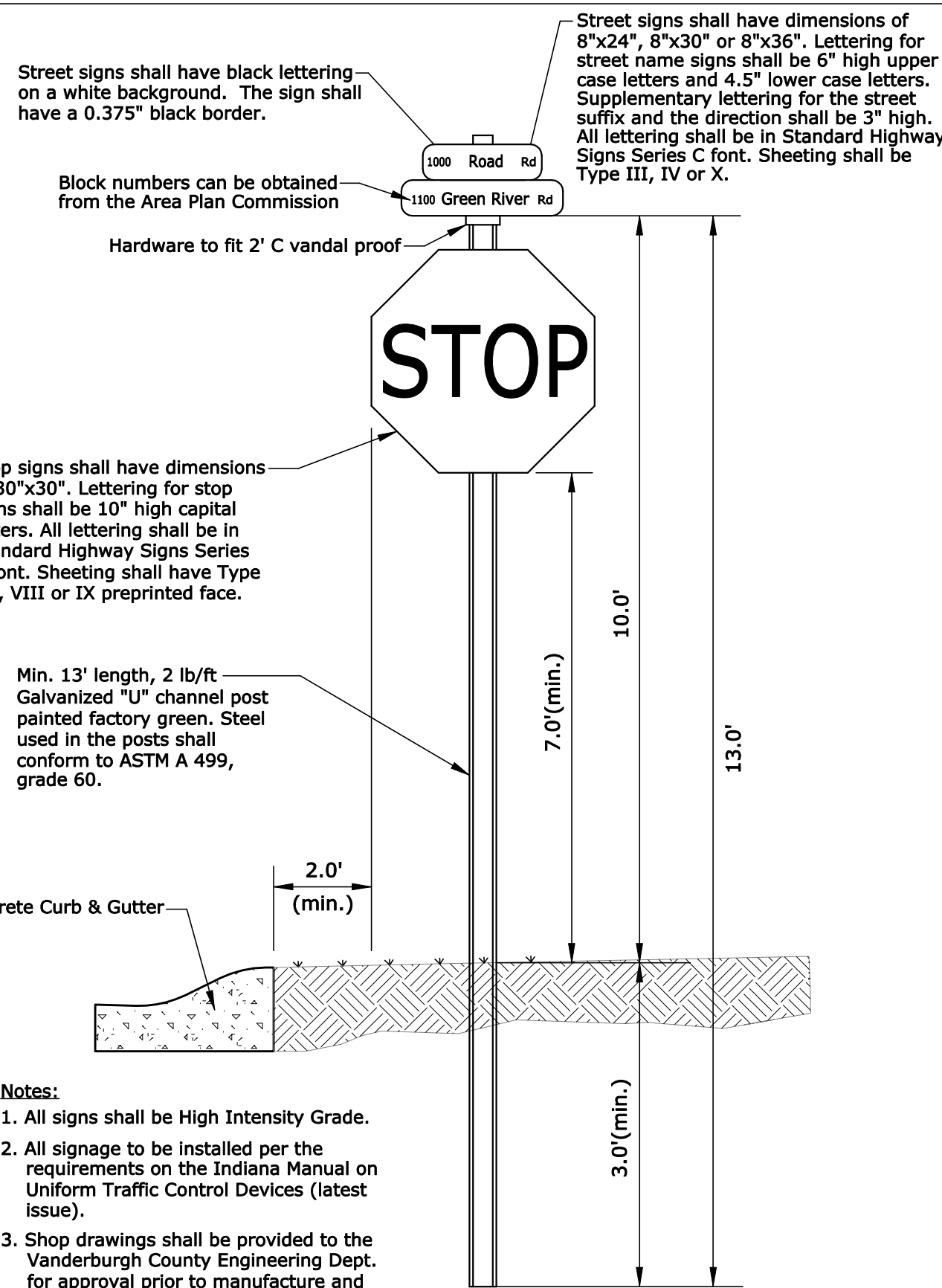
TRENCH WIDTH TABLE

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

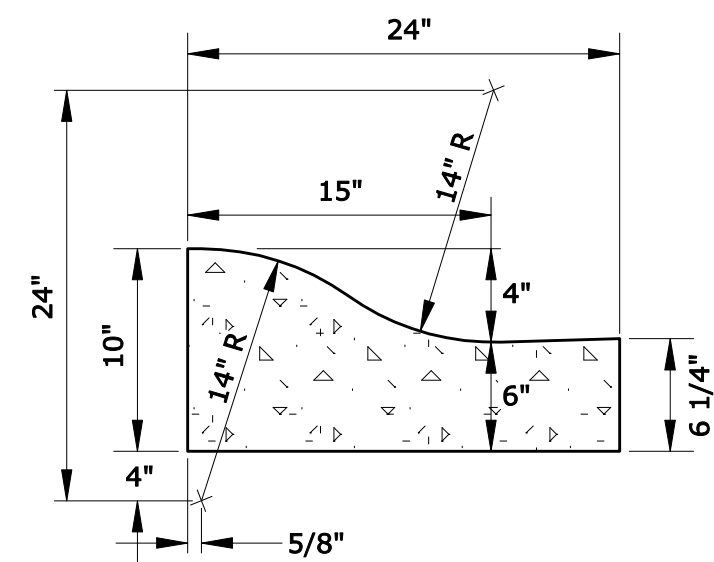
Scale: N.T.S.



- Notes:**
1. All signs shall be High Intensity Grade.
 2. All signage to be installed per the requirements on the Indiana Manual on Uniform Traffic Control Devices (latest issue).
 3. Shop drawings shall be provided to the Vanderburgh County Engineering Dept. for approval prior to manufacture and installation of any signs.

STREET SIGNS

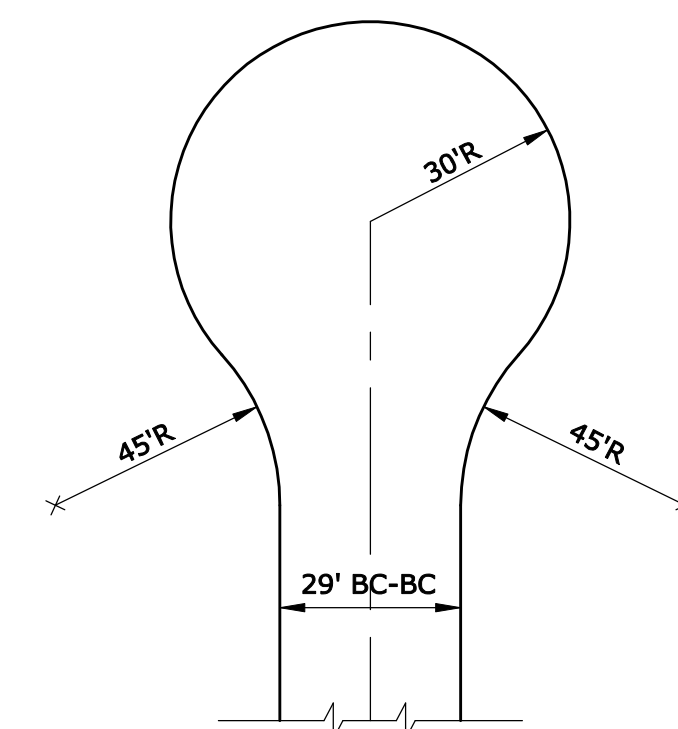
Scale: N.T.S.



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

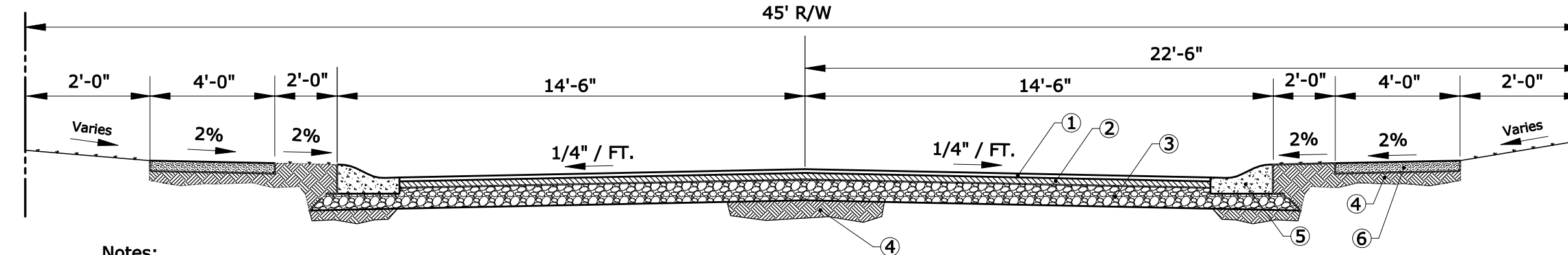
CONCRETE ROLL CURB AND GUTTER

Scale: N.T.S.



TYPICAL RESIDENTIAL CUL-DE-SAC

Scale: N.T.S.

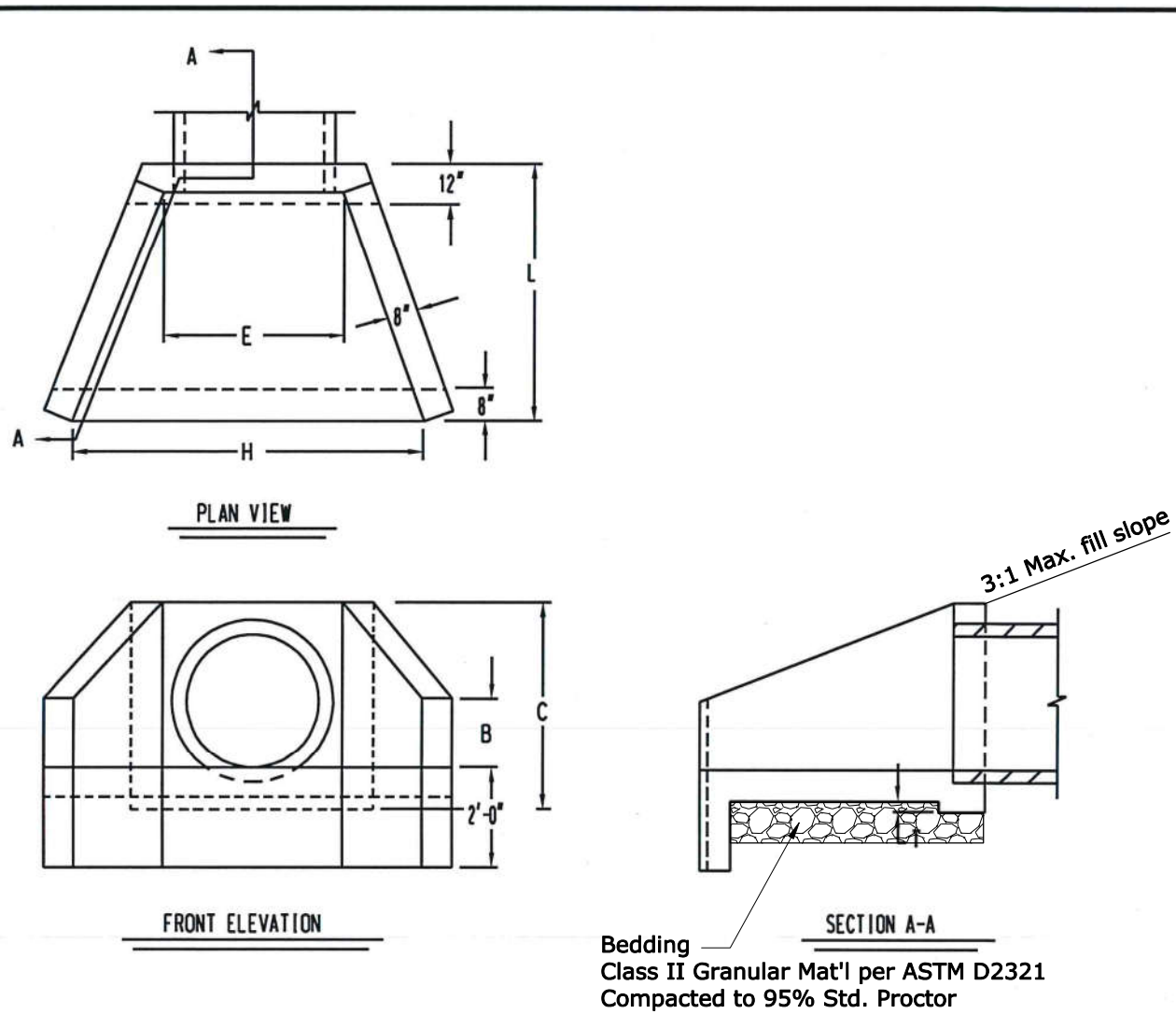


- Notes:**
1. Compaction tests and proffroll are required by the County Engineer. A copy of the compaction tests shall be delivered to the owner and the County Engineer's office.
 2. Sidewalks shall have sawed contraction joints every 5 feet on center and expansion joints every 50 feet on center and at all intersections.
 3. All sidewalks and ADA ramps to be constructed per current INDOT and County standards. Refer to INDOT standard Drawing 6504-SWCR revised September 2018. Any sidewalk constructed with a cross slope in excess of 2% must be removed and replaced.
 4. Subgrade must be proof rolled prior to the placement of any stone or pavement. Proof rolling shall be done by a fully legally loaded tri-axle dump truck. There shall be 1 or 2 complete coverages as directed. Roller marks, irregularities or failures shall be corrected. Proof rolling must be completed in the presence of a county inspector.
 5. All fill must be constructed in lifts not to exceed six inches.

- 1 1" H.M.A. Surface
- 2 2" H.M.A. Base
- 3 6" Compacted Agg. Base, #53 - 95% Standard Proctor
- 4 Compacted Subgrade - 95% Standard Proctor
- 5 Curb & Gutter per County Stds. - 4000 psi P.C.C.
- 6 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.



DIMENSIONS

PIPE DIA.	C	L	B	E	H	WEIGHT
30"	4'-6"	4'-5"	1'-3"	3'-1"	7'-6"	6,800/lbs.
36"	5'-8"	5'-0"	1'-6"	3'-8"	8'-8"	8,700/lbs.
42"	5'-8"	5'-1"	1'-9"	4'-3"	10'-0"	10,850/lbs.
48"	6'-2"	6'-2"	2'-0"	4'-10"	11'-2"	13,233/lbs.
54"	6'-9"	6'-9"	2'-3"	5'-5"	12'-6"	15,835/lbs.
60"	7'-3"	7'-4"	2'-6"	6'-0"	13'-8"	18,670/lbs.

- GENERAL NOTES:**
1. CONCRETE 4500 PSI @ 28 DAYS
 2. 2" CONCRETE COVER
 3. REIN. # 5 REBAR 12" C.C. EA. WAY GRADE 60
 4. 3/4" CHAMFER ON ALL EXPOSED EDGES
 5. HOLE SIZE, PIPE O.D. + 3"

AVAILABLE MARKETS: KY

SHERMAN DIXIE

PH# 1-800-737-0707 DWG# ET-238
DATE: 02/17/06 SHEET# 1 OF 1

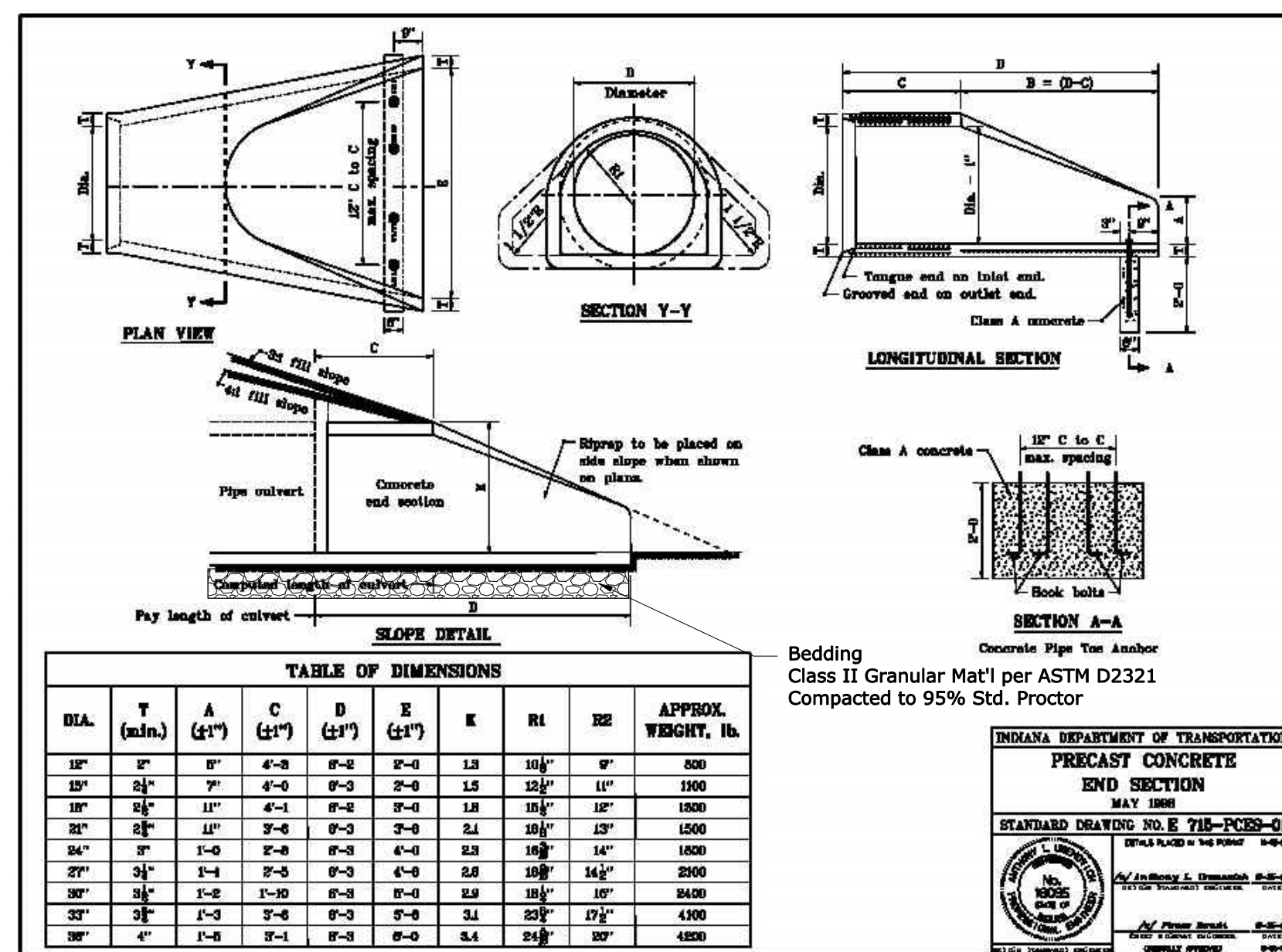
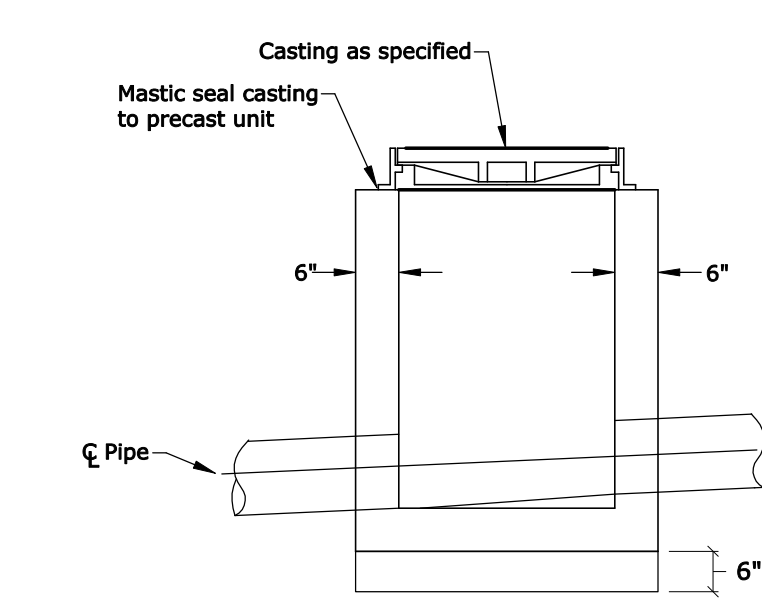
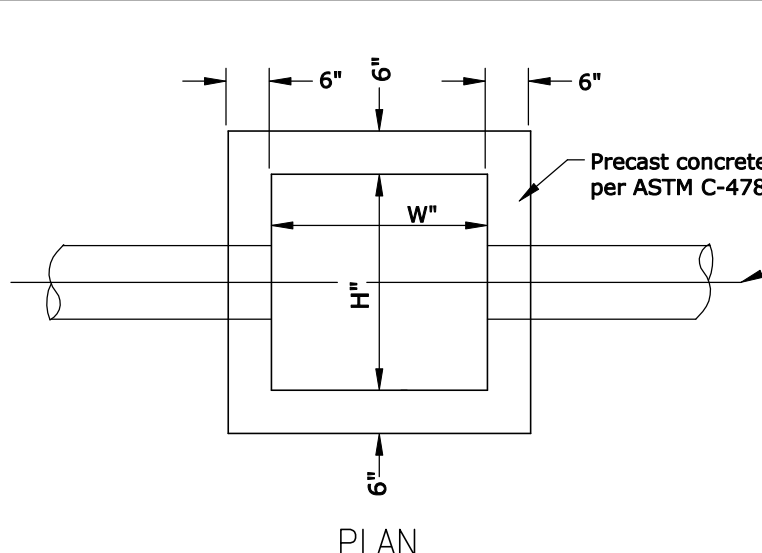


TABLE OF DIMENSIONS

DIA.	T	A	C	D	E	K	R1	R2	APPROX. WEIGHT, lb.
18"	2"	11"	4'-0"	6'-0"	2'-0"	1.8	10"	9"	800
24"	2 1/2"	11"	4'-0"	6'-0"	2'-0"	1.5	13 1/2"	11"	1000
30"	3"	11"	4'-0"	6'-0"	2'-0"	1.8	15 1/2"	12"	1200
36"	3 1/2"	11"	4'-0"	6'-0"	2'-0"	2.1	18 1/2"	13"	1500
42"	4"	11"	4'-0"	6'-0"	2'-0"	2.8	21 1/2"	14"	1800
48"	4 1/2"	11"	4'-0"	6'-0"	2'-0"	3.6	24 1/2"	14 1/2"	2200
54"	5"	11"	4'-0"	6'-0"	2'-0"	4.5	27 1/2"	15"	2600
60"	5 1/2"	11"	4'-0"	6'-0"	2'-0"	5.4	30 1/2"	15 1/2"	3000

INDIANA DEPARTMENT OF TRANSPORTATION
PRECAST CONCRETE END SECTION
MAY 1998
STANDARD DRAWING NO. 6-718-PCIBS-01
REVISED PER INDOT ORDER 04-01



AREA DRAIN/MANHOLE

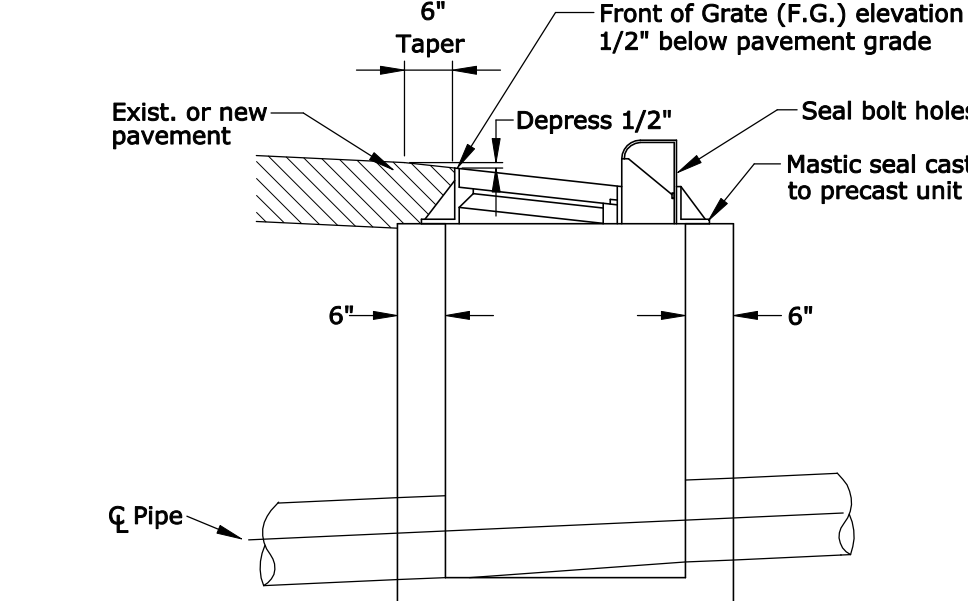
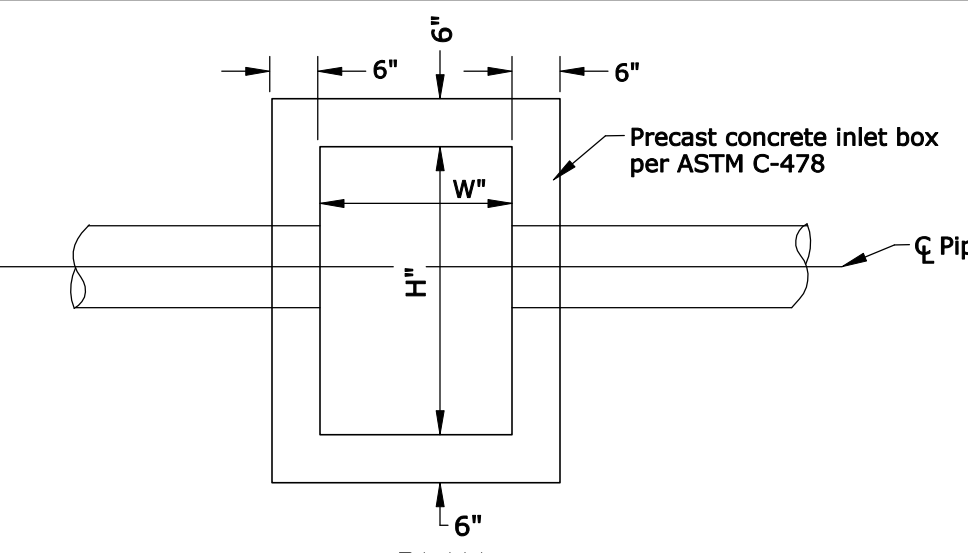
INLET BOX TABLE

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

- INLET NOTES:**
1. All precast units shall conform to ASTM C-478.
 2. Inlets shall be backfilled with granular material and compacted in 8" loose lifts to 95% Standard Density per ASTM D698.
 3. Casting shall be mastic sealed to precast unit.
 4. All connecting pipes shall be grouted with a high strength, non-shrink grout.
 5. 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.



SECTION CURB INLET

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

Written dimensions shown herein shall take precedence over scaled dimensions. Contractors shall calculate and measure required dimensions. Notify Cash Waggnner & 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, J.D.
REGISTERED PROFESSIONAL ENGINEER
No PE10409870
STATE OF INDIANA
SIGNATURE: *Glen A. Meritt*
DATE: 22 Aug 22

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REVISIONS

NO.	DATE	BY	DESCRIPTION
1	08.11.22	G.A.M.	Added concrete headwall detail
2	08.22.22	G.A.M.	Added INDOT Concrete End Section detail & revised headwall detail

PROJECT NO.: 21-5012
DESIGNED BY: G.A.M.
DRAWN BY: G.A.M.
FILENAME: 5012 Road Storm Dets
LAYOUT TAB:
SCALE: As Shown

PROJECT: **GOLDFINCH COVE**
ADDRESS: **GREEN RIVER ROAD
EVANSVILLE, INDIANA**
SHEET TITLE: **ROAD & STORM
SEWER DETAILS**

DATE: **07.20.22**
DRAWING NO.: **C-119**
OR: