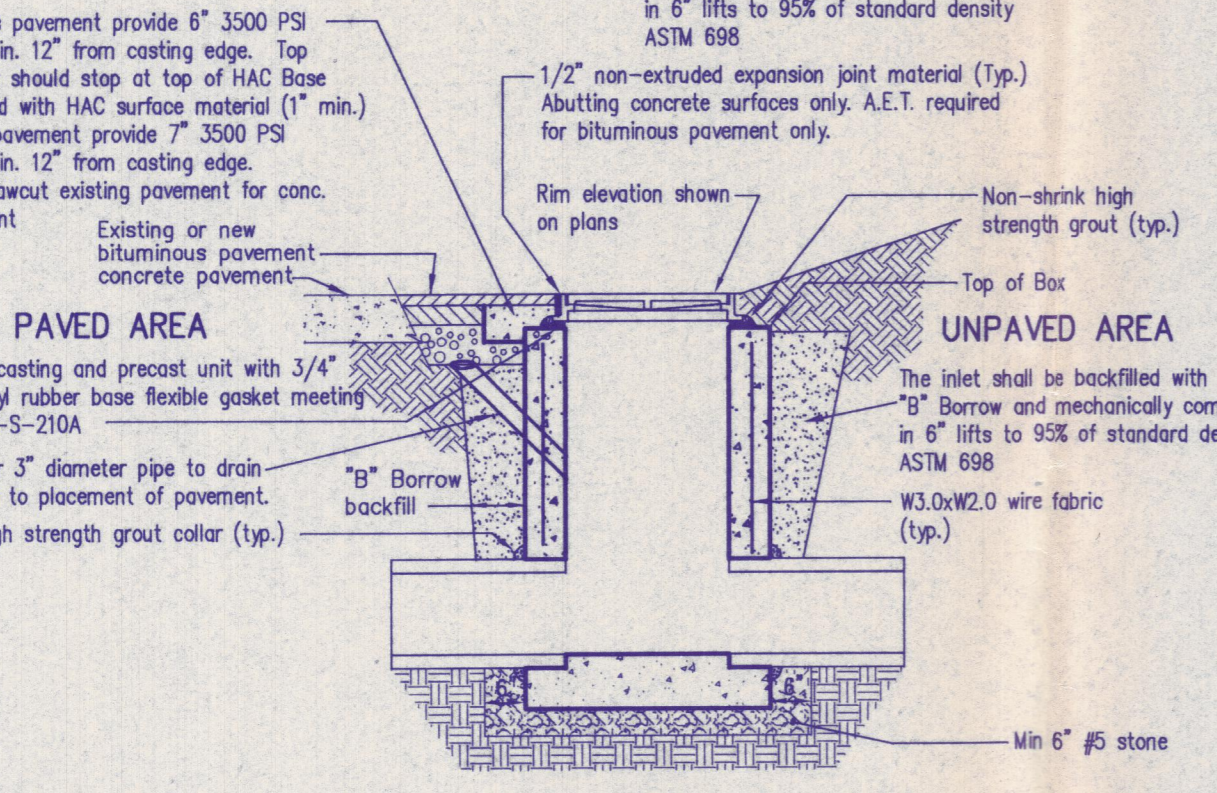
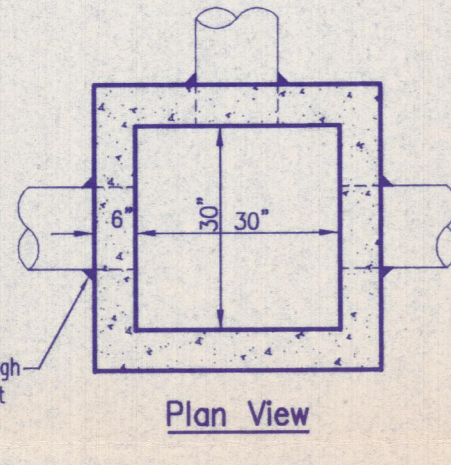


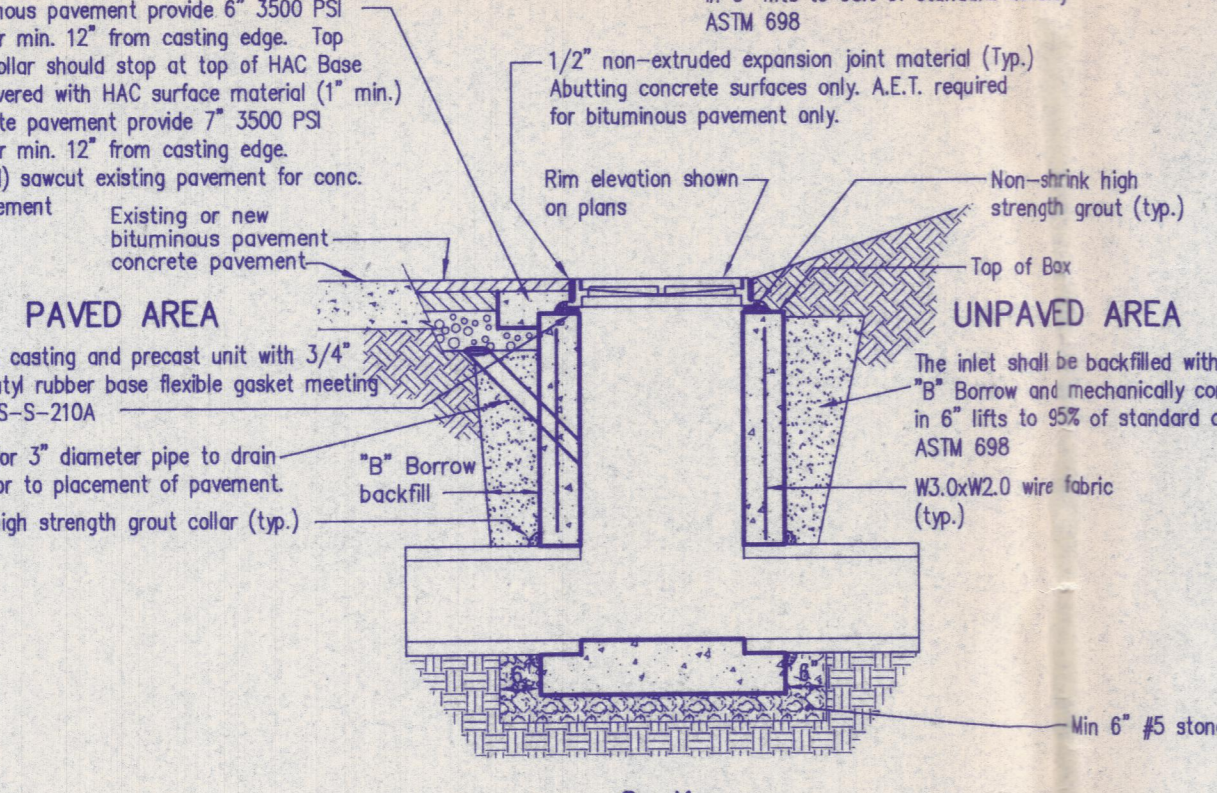
Notes
 For Area Inlet in pavement East Jordan #8308 casting or equal with type M grate. For area inlet in non-paved areas: East Jordan Beehive #6488 casting, or equal, with adaptor ring.
 For Manhole East Jordan #8308 casting with Type A solid cover or equal. Contractor may substitute East Jordan #1022 casting with Type A solid cover, or equal, with adaptor ring.
 All connecting pipes shall be grouted with a high strength non-shrink grout.
 Precast inlets shall conform to ASTM C-478.
 Reinforcement shall be 3" x 6" W3.0xW2.0 wire fabric for precast units.
 The inlet shall be backfilled with "B" Borrow and mechanically compacted in 6" lifts to 95% of standard density ASTM 698.



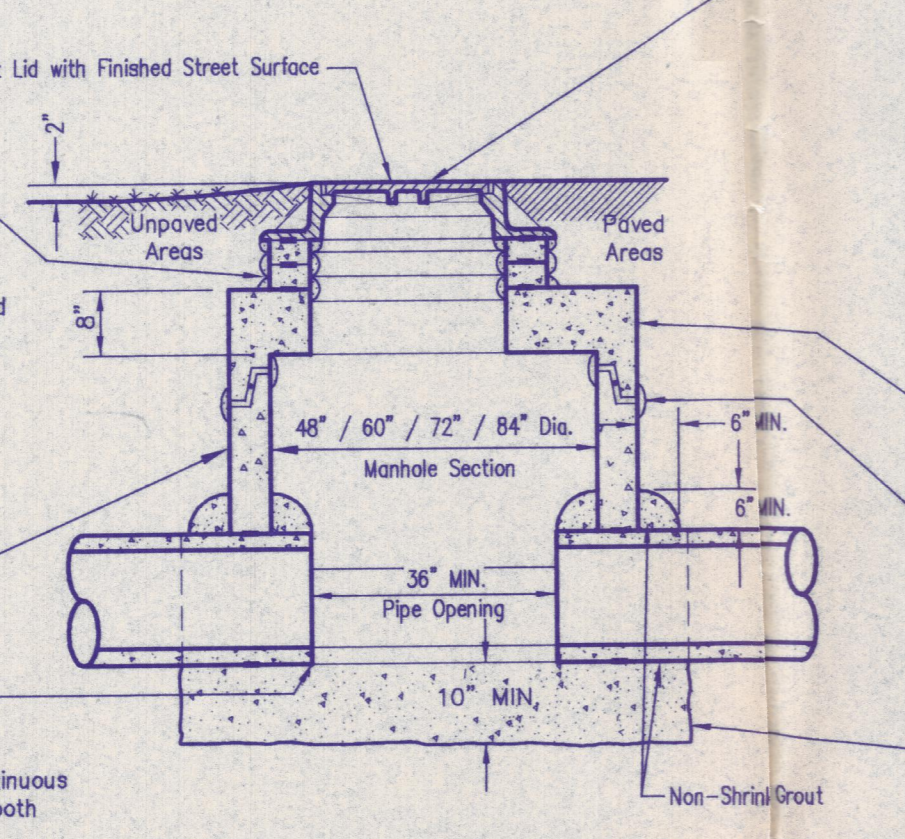
Precast "A" Box
NO SCALE



Notes
 For Area Inlet in pavement East Jordan #8313 casting or equal. For area inlet in non-paved areas: East Jordan Beehive #6488 casting, or equal, with adaptor ring.
 For Manhole East Jordan #8313 casting with Type A solid cover or equal. Contractor may substitute East Jordan #1022 casting with Type A solid cover, or equal, with adaptor ring.
 All connecting pipes shall be grouted with a high strength non-shrink grout.
 Precast inlets shall conform to ASTM C-478.
 Reinforcement shall be W3.0xW2.0 wire fabric for precast units.
 The inlet shall be backfilled with "B" Borrow and mechanically compacted in 6" lifts to 95% of standard density ASTM 698.

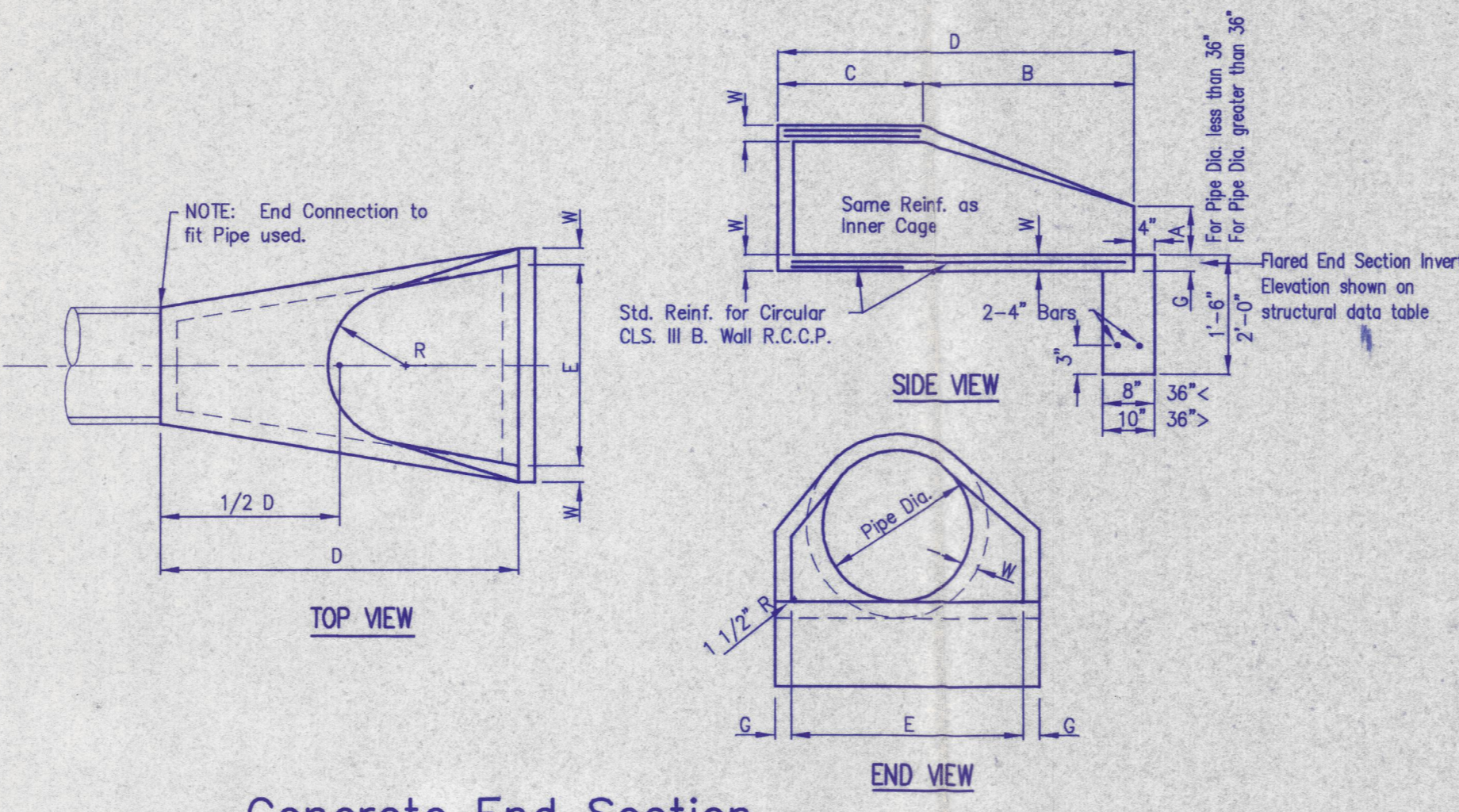


Precast "E" Box
NO SCALE

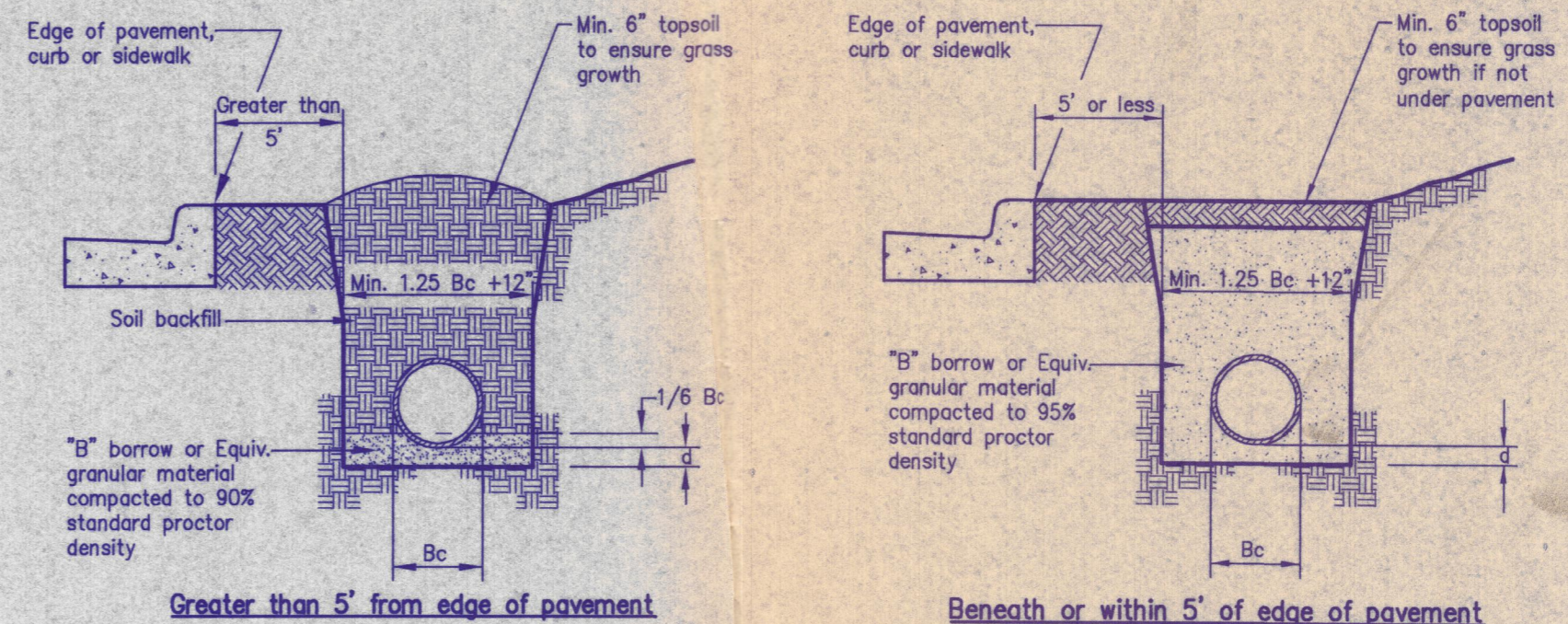


Shallow Storm Manhole, Inlet or Area Drain
NO SCALE

PIPE DIA.	WGT (LBS)	WALL	A	B	C	D	E	G	R	SLOPE
12"	530	2"	5"	2'-0"	4'-7/8"	6'-7/8"	2'-0"	2"	8"	2:1
15"	740	2 1/4"	6"	2'-3"	3'-10"	6'-1"	2'-0"	2 1/4"	11"	2:1
18"	990	2 1/2"	10"	2'-3"	3'-10"	6'-3"	3'-0"	2 1/2"	12"	2:1
21"	1280	2 3/4"	10"	2'-11"	3'-2"	6'-1"	3'-0"	2 3/4"	13"	2:1
24"	1520	3"	10"	3'-1 1/2"	2'-8"	6'-3"	4'-0"	3"	14"	2:1
27"	1830	3 1/4"	10 1/2"	4'-0"	2'-1 1/2"	6'-1 1/2"	4'-0"	3 1/4"	14 1/2"	3:1
30"	2190	3 1/2"	1'-0"	4'-8"	1'-3/4"	6'-1 3/4"	5'-0"	3 1/2"	15"	3:1
33"	2500	3 3/4"	1'-1 1/2"	4'-10 1/2"	1'-3/4"	6'-1 3/4"	5'-0"	3 3/4"	17 1/2"	3:1
36"	4100	4"	1'-3"	5'-3"	2'-10 1/4"	6'-1 3/4"	6'-0"	4"	20"	3:1
42"	5380	4 1/2"	1'-9"	5'-3"	2'-11"	6'-2"	6'-0"	4 1/2"	22"	3:1
48"	6550	5"	2'-0"	6'-0"	2'-2"	6'-2"	7'-0"	5"	22"	3:1
54"	8240	5 1/2"	2'-3"	5'-9"	2'-11"	6'-4"	7'-0"	5 1/2"	24"	2:1
60"	9730	6"	2'-11"	5'-0"	3'-3"	6'-3"	8'-0"	6"	24"	2:1
66"	10710	6 1/2"	2'-8"	6'-0"	2'-3"	6'-3"	8'-0"	6 1/2"	24"	2:1
72"	12520	7"	3'-0"	6'-6"	1'-8"	6'-3"	9'-0"	7"	24"	1.8:1
78"	14720	7 1/2"	3'-0"	7'-8"	1'-8"	6'-3"	9'-0"	7 1/2"	24"	1.8:1
84"	18160	8"	3'-0"	7'-8 1/2"	1'-8"	6'-3 1/2"	10'-0"	8 1/2"	24"	1.5:1



Concrete End Section
NO SCALE



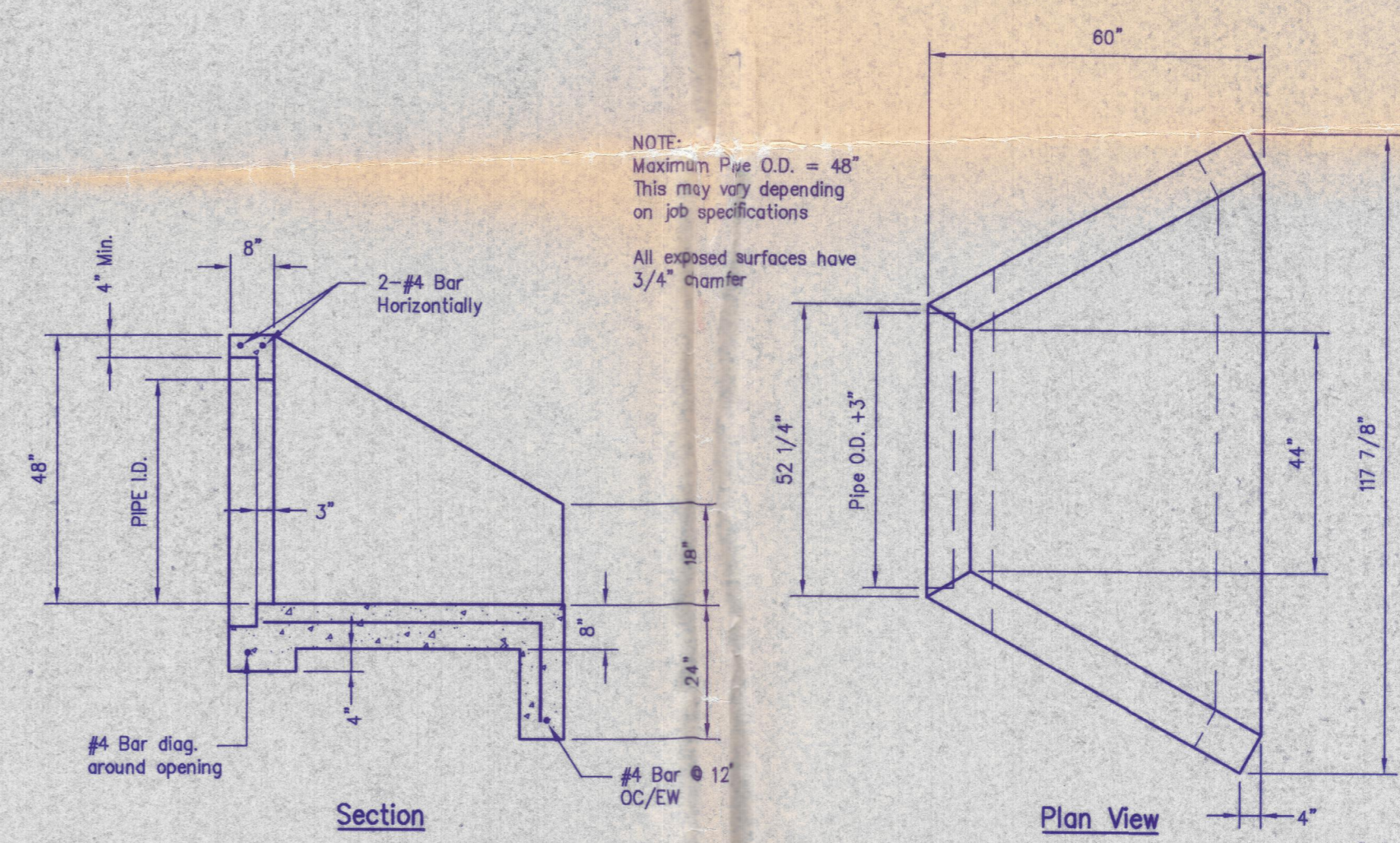
Greater than 5' from edge of pavement
 Note:
 All bedding & initial backfill shall be installed in 6" to 12" balanced lifts.
 A minimum 9" of clearance shall be provided on each side of the installed pipe.

Beneath or within 5' of edge of pavement
 Note:
 All bedding & initial backfill shall be installed in 6" to 12" balanced lifts.
 A minimum 9" of clearance shall be provided on each side of the installed pipe.

Depth of Bedding Material Below Pipe

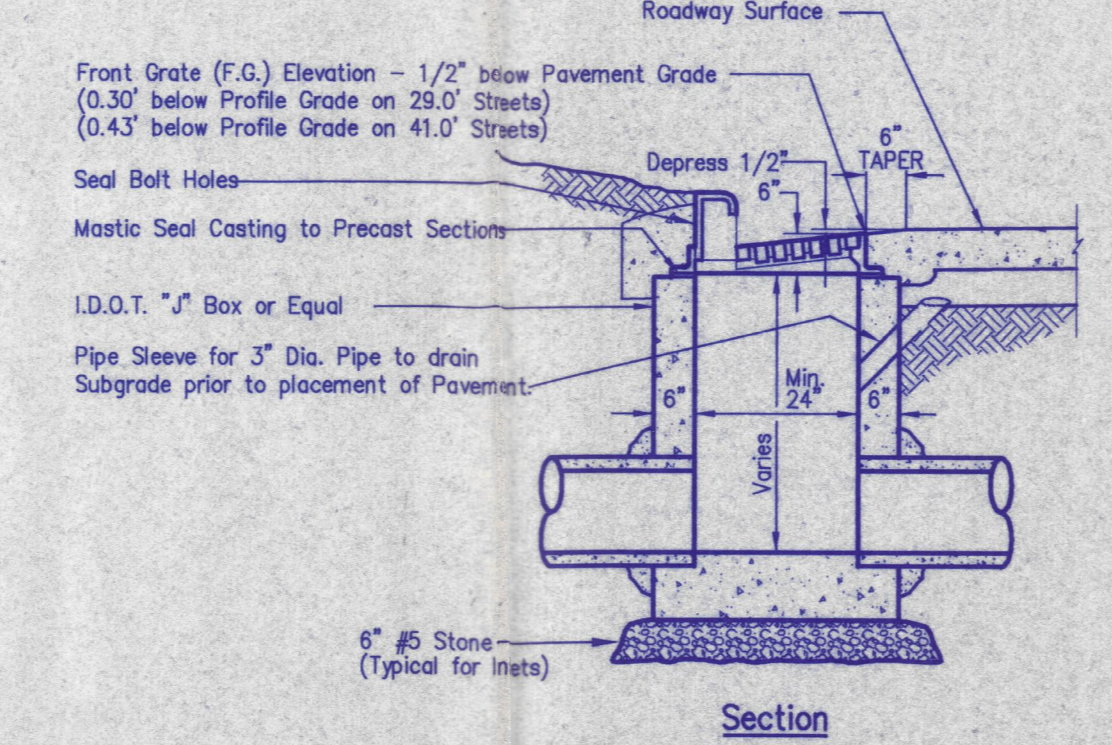
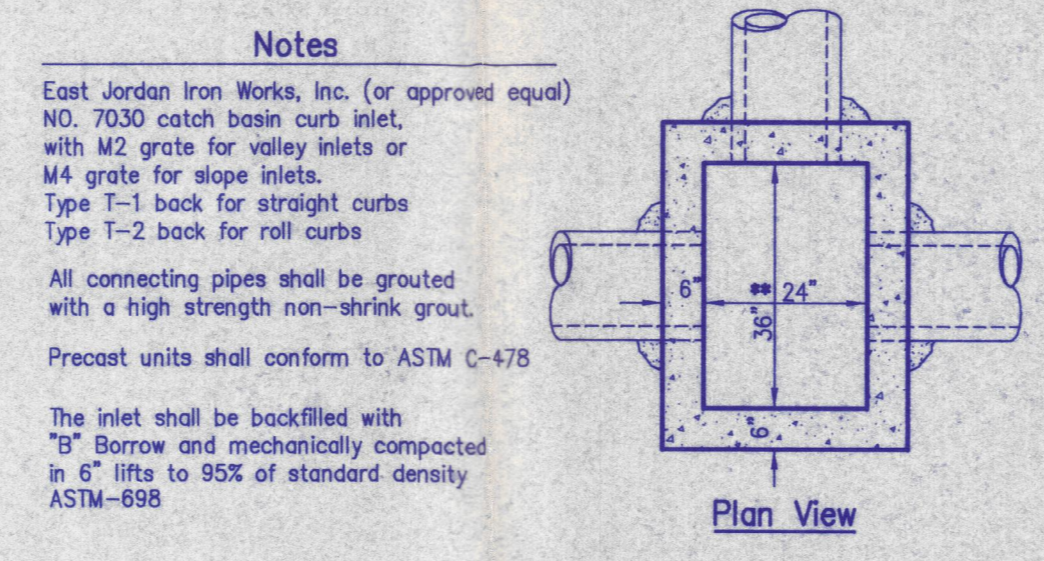
D	(d) Min.
27" & Smaller	3"
30" to 60"	4"
66" & Larger	6"

Reinforced Concrete Pipe Storm Sewer Bedding
NO SCALE



Specifications:
 Concrete strength - 4500 PSI @ 28 days
 Reinforcement - ASTM A-615 & ASTM A-615M (Latest Revision), Grade 60
 Pipe Size - RCP-C Wall ERCP & PP 36" Max CMP 42" Max.
 Approx. Weight - 8,700#
 Pipe Connect Opt. - Grout holes, pipe seal gaskets
 Other Options - Cast Iron, Dispersion Block
 Bedding - Minimum 6" depth stone (No. 7 or finer)
 Flap Gate - Waterman Industries #F-10, or equivalent.

Pipe Culvert Headwall
NO SCALE

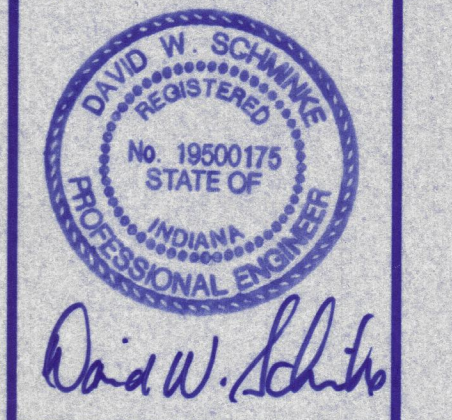


Curb Inlet
NO SCALE

Morley and Associates, Inc.
 Consulting Engineers/Surveyors/Architects
 600 S.E. Sixth Street
 Evansville, Indiana 47713
 (812) 404-9505

Revisions

No.	By	Date	Description



Project: **Stoney Creek Subdivision - Section**
 Sheet Title: **Storm Sewer Details**
 Scale: **AS SHOWN**
 Designed By: **R.S.L.** Job Number: **4255-4(c)**
 Drawn By: **G.A.H.** Date: **09/04/00**
 Filename: **J:\4255\CIVL3\STORMDET.dwg**
 Sheet Number: **23**