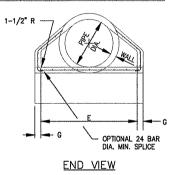
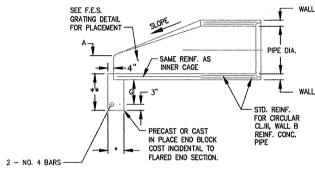
PIPE DIA.	WALL	A	В	С	D	E	G	R	SLOPE
12"	2"	4"	2'-0"	4'-0 7/8"	6'-0 7/8"	2'-0"	2*	9*	1:2.4
15"	2 1/4"	6"	2'-3"	3'10"	6'1"	2'6"	2 1/4"	11"	1: 2.4
18"	2 1/2"	9"	2'-3"	3'-10"	6'-1"	3'-0"	2 1/2"	12*	1: 2.4
21"	2 3/4"	9"	2'11"	3'-2"	6'1"	3'~6"	2 3/4"	13"	1: 2.4
24*	3"	9 1/2"	3'-7 1/2"	2'-6"	6'-1 1/2"	4'-0"	3"	14"	1: 2.5
27"	3 1/4"	10 1/2"	4'0"	2'-1 1/2"	6'-1 1/2"	4'-6"	3 1/4"	14 1/2"	1: 2.4
30"	3 1/2"	1'-0"	4'-6"	1'-7 3/4"	6'-1 3/4"	5'0"	3 1/2"	15"	1: 2.5
33"	3 3/4"	1'-1 1/2"	4'-10 1/2"	3'-3 1/4"	8'-1 3/4"	5'-6"	3 3/4"	17 1/2*	1: 2.5
36"	4"	1'3"	5'-3"	2'-10 3/4"	8'-1 3/4"	6'0"	4"	20"	1: 2.5
42"	4 1/2"	1'9"	5'3"	2'11"	8'-2"	6'~6"	4 1/2"	22*	1: 2.5
48*	5"	2'-0"	6'~0"	2'~2"	8'2"	7'0"	5*	22*	1: 2.5
54"	5 1/2"	2'-3"	5'-5"	2'11"	8'4"	7'-6"	5 1/2"	24"	1: 2.0

-END CONNECTION TO FIT PIPE USED STORM SEWER PAY LENGTH

NOTES

- 1. GRATING SHALL BE PAID FOR UNDER ITEM AR752518.
- 2. THE END BLOCK SHALL BE PLACED PRIOR TO THE INSTALLATION OF THE FLARED END SECTION. THE END BLOCK SHALL BE BACKFILLED IN ACCORDANCE WITH ARTICLE 502.10 OF IDOT SPECIFICATIONS, WITH COST INCIDENTAL TO FLARED END SECTION.
- 3. PRECAST CONCRETE FLARED END SECTIONS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF AASHTO M-170 CLASS III, WALL B REINFORCED CONCRETE PIPE.
- * 8" 36" DIA. PIPE OR LESS
- 10" GREATER THAN 36" DIA. PIPE
- ** 18" 36" DIA. PIPE OR LESS
- 24" GREATER THAN 36" DIA. PIPE

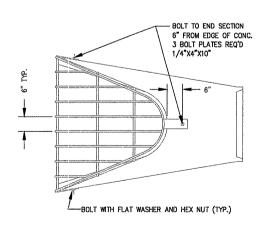


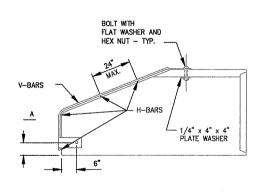


SECTION A-A

PRECAST CONCRETE FLARED END SECTION

(IDOT STANDARD 542301-01)





	DIA. INCHES	V-BAR SIZE	H-BAR SIZE	No. OF H-BARS	BOLT DIA.	"A" DIM.		
		INCHES		REQ'D.	INCHES			
END SECTIONS	12	1/2ø	5/8ø	3	1/2	4		
	15	1/2ø	5/8ø	3	1/2	4 1/2		
	18	1/2ø	5/8ø	4	1/2	4 1/2		
	21	1/2ø	5/8ø	4	1/2	5		
	24	5/8ø	3/4ø	4	1/2	5		
	27	5/8ø	3/4ø	4	1/2	5 1/2		
	30	5/8ø	3/4ø	4	1/2	5 1/2		
	36	3/4ø	1ø	4	3/4	8		
	42	3/4ø	1ø	4	3/4	8		
	48	48 3/4ø		5	3/4	8		
	54	3/4ø	1-1/2PIPE	5	3/4	8		
	24 X 38 ELLIPTICAL	3/4ø	1ø	5	3/4	8		

- 1. BARS AND PLATES ARE HOT ROLLED STEEL.
- 2. BARS, PLATES, PIPE AND BOLTS ARE GALVANIZED.

UNDER UNPAVED AREAS UNDER PAVED AREAS FINISHED GRADE ------ PAVEMENT SECTION (SEE TYPICAL SECTIONS) SUBGRADE COMPACTED GRANULAR TRENCH BACKFILL, FINE AGGREGATE IDOT FA-6. COST INCIDENTAL TO PIPE. 95% COMPACTION COMPACTED SELECT -EARTH BACKFILL DRAINAGE PIPE, ITEM AR701 COMPACTED FA-6 BEDDING MATERIAL IN ACCORDANCE WITH SPECIFICATIONS, COST INCLUDED IN ITEM AR701 ---0'--4" MIN 0.D. + 2'-0" **NOTES**

- UNSUITABLE MATERIAL ENCOUNTERED DURING PLACEMENT OF BEDDING SHALL BE REMOVED AND REPLACED.
- 2. WITHIN 3 FEET OF FUTURE PAVED AREA OR GRAVEL SHOULDERS, GRANULAR BACKFILL IS TO BE USED INSTEAD OF EARTH BACKFILL.

PIPE TRENCH

GRATING FOR FLARED END SECTION

FILE NAME =	USER NAME = BlainØ1219	DESIGNED -	SJM	REVISED -	VILLAGE OF LAKE IN THE HILLS, ILLINOIS SCALE:				COUNTY SH	TOTAL
PLOT SCALE	ts\C-DRN5-1 Details.sht	DRAWN -	SJM	REVISED -		PYOTT ROAD DRAINAGE DETAILS			MCHENRY	143
	PLOT SCALE = 2.0000 '/ IN.	CHECKED -	BLB	REVISED ~						
	PLOT DATE = 02\25\2009,11:42 AM	DATE -	05/21/08	REVISED -		SCALE:		AIP N	D. 3-17-0112-B10 ILLINOIS IDA NO. 3CK-3807	