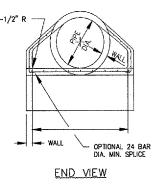
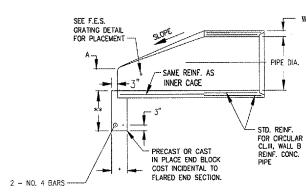
PIPE DIA.	WALL	A	В	С	D	Ε	R	SLOPE
12"	2"	4"	2'-0"	4'-0 7/8"	6'-0 7/8"	2'0"	9"	3:1
15"	2 1/4"	6"	2'-3"	3'-10"	6'-1"	2'-6"	11"	3:1
18"	2 1/2"	9"	2'-3"	3*-10*	6'-1"	3'~0"	12"	3:1
21"	2 3/4"	9"	2'~11"	3'-2"	6'-1"	3'~6"	13"	3:1
24"	3"	9 1/2"	3'~7 1/2"	2'~6"	6'-1 1/2"	4'-0"	14"	3:1
27"	3 1/4"	10 1/2"	4'~0"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

- 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

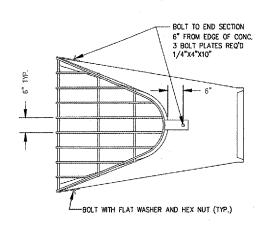


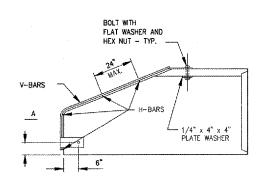


SECTION A-A

PRECAST CONCRETE FLARED END SECTION

(IDOT STANDARD 542301)





GRATING FOR FLARED END SECTION

	DIA, INCHES	VBAR SIZE	H-BAR SIZE	No. OF H-BARS	BOLT DIA.	"A" DIM.	
Ī		INCHES		REQ'D.	INCHES		
	12	1/20	5/8ø	3	1/2	4	
	15	1/20	5/8ø	3	1/2	4 1/2	
	18	1/2ø	5/8ø	4	1/2	4 1/2	
l	21	1/20	5/8ø	4	1/2	5	
	24	5/8ø	3/4ø	4	1/2	. 5	
END SECTIONS	27	5/8ø	3/4ø	4	1/2	5 1/2	
	30	5/8ø	3/40	4	1/2	5 1/2	
	36	3/4ø	1ø	4	3/4	8	
	42	3/40	1ø	4	3/4	8	
	48	3/4ø	1ø	5	3/4	8	
Ì	54	3/40	1-1/2PIPE	5	3/4	8	
Ì	24 X 38 ELLIPTICAL	3/40	1ø	5	3/4	8	

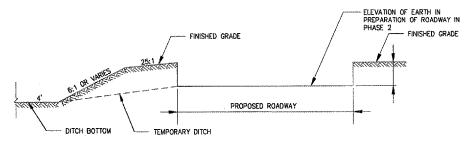
-END CONNECTION
TO FIT PIPE USED

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

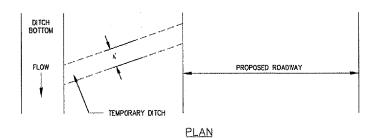
UNDER UNPAVED	AREAS	UNDER PAVED AREAS				
FINISHED GRADE 4" T	OPSOIL -		PAVEMENT SECTION (SEE TYPICAL SECTIONS)			
			SUBGRADE			
COMPACTED SELECT ————————————————————————————————————		<i>f f</i>	COMPACTED GRANULAR TRENCH BACKFILL, FINE AGGREGATE IDOT FA-6. COST INCIDENTAL TO PIPE. 95% COMPACTION			
COMPACTED FA-6 BEDDING			DRAINAGE PIPE, ITEM AR70I			
NOTES	0.0. + 2'-	-0"				

- NOTES
- 1. 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



SIDE VIEW



- 1. DITCHES ARE 4' WIDE.
 2. FOR SPECIFIC LOCATION OF TEMPORARY DITCHES
 SEE PLAN SHEET. CALLOUTS ARE TO THE CENTERLINE
 OF TEMPORARY DITCH.
 3. NO SEPARATE PAYMENT WILL BE MADE FOR TEMPORARY DITCH.

TEMPORARY DITCH

COUNTY TOTAL SHEET NO. MCHENRY 120 30

									T.T.C
FILE NAME =	USER NAME = McLau01058	DESIGNED -	SJM	. REVISED -					COUNTY SHE
I:\05Jobs\00841\0588021\Civil Part A\She	ets\C-DRN5-1 Details,sht	DRAWN -	SJM	REVISED -	VILLAGE OF		PYOTT ROAD DRAINAGE DETAILS		MCHENRY 12
	PLOT SCALE = 2.0000 '/ IN.	CHECKED -	BLB	REVISED -	LAKE IN THE HILLS, ILLINOIS				
	PLOT DATE = 02\27\2008, 08:41 AM	DATE -	02/29/08	REVISED -		SCALE:		FEDERAL AIP NO. 3-17-0112-88 ILLINOI	IS IDA NO. 3CK-3671