

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.

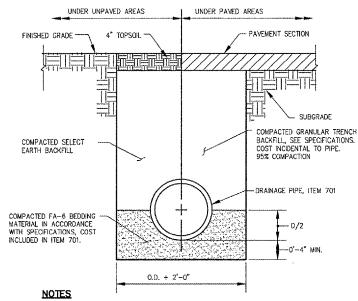
PRECAST CONCRETE FLARED END SECTION

SECTION A-A (IDOT STANDARD 542301)

* 8" - 36" DIA, PIPE OR LESS 10" - GREATER THAN 36" DIA, PIPE

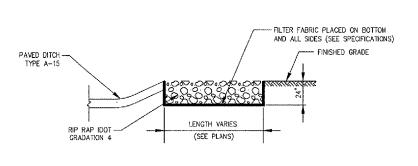
** 18" - 36" DIA. PIPE OR LESS

24" - GREATER THAN 36" DIA, PIPE



- UNSUITABLE MATERIAL ENCOUNTERED DURING PLACEMENT OF BEDDING SHALL BE REMOVED AND REPLACED.
- WITHIN 5 FEET OF PAVED AREA, GRANULAR BACKFILL IS TO BE USED INSTEAD OF EARTH BACKFILL.

PIPE TRENCH



NOTE

1. COST OF FILTER FABRIC IS INCIDENTAL TO RIPRAP.

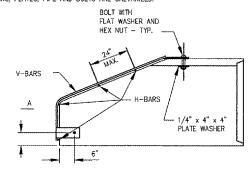
RIPRAP

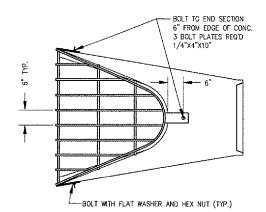
2. WIDTH (W) OF RIPRAP VARIES, SEE PLAN.

	DIA. INCHES	V-BAR SIZE	HBAR SIZE	No. OF H~8ARS	BOLT DIA.	"A" DIM.	
	INCHES			REQ'D.	INCHES		
	12	1/2#	5/8#	3	1/2	4	
	15	1/20	5/8ø	3	1/2	4 1/2	
	18	1/29	5/8#	4	1/2	4 1/2	
	21	1/2#	5/8ø	4	1/2	5	
S	24	5/8#	3/4#	4	1/2	5	
SECTIONS	27	5/8ø	3/4#	4	1/2	5 1/2	
END SE	30	5/8#	3/4#	4	1/2	5 1/2	
් ය	36	3/4#	1ø	4	3/4	8	
	42	3/4#	1ø	4	3/4	8	
	48	3/4#	1ø	5	3/4	8	
	54	3/4#	1~1/2PIPE	5	3/4	8	
	24 X 38 ELLIPTICAL	3/40	1ø	5	3/4	8	

NOTES

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





GRATING FOR FLARED END SECTION

STORM SEWER SCHEDULE

Structure	Station	Citiset	Type	Dismeter	Pim EL	hvert EL	Pay Langth	Size	Slope 7
SI	593+96	256' LT	AUTOMATIC DRAINAGE GATE	18*	N/A	665.00			
S2	593+10	253' RT	FES	18*	N/A	665.27	78.5'	18"	0.30

DETAILS SHOWN ARE NOT TO SCALE



HANSON PROFESSIONAL SERVICES INC.

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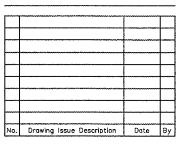


JOLIET REGIONAL PORT DISTRICT

1 Hangar Road Romeoville, Illinois 60446 Telephone: 815.838.9497 Fax: 815.838.9524

SOUTHWEST CORPORATE AREA, GRADING AND DRAINAGE, PHASE 1

AIP PROJECT NO. 3-17-0140-B39 IDA PROJECT NO. LOT-3498



Sheet Title

MAY 6, 2005

DRAINAGE DETAILS

840-04D	8042
Project Number	
SJM	04/07/05
Layout By	Date
SJM	04/07/05
Designed By	Date
RMH/TMM	04/22/05
Reviewed By	Date

SJM |---|