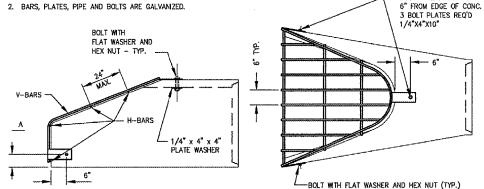
NOTES

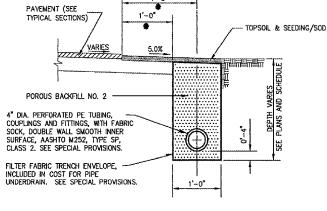
1. BARS AND PLATES ARE HOT ROLLED STEEL. 2. BARS, PLATES, PIPE AND BOLTS ARE GALVANIZED.



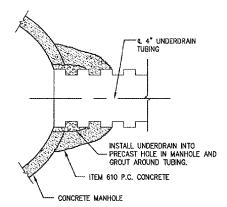
GRATING FOR FLARED END SECTION

PIPE DIA.	WALL	A	В	С	D	£	R	SLOPE
12"	2"	4"	2'-0"	4'-0 7/8"	8'-0 7/8"	2'-0"	8,,	3:1
15*	2 1/4"	6*	2'-3"	3"-10"	S'1°	2'-5"	11"	3:1
18"	2 1/2"	g°	2'-3"	3'-10"	6"1"	3'-0"	12"	3:1
21*	2 3/4"	9*	2'11"	3'-2"	8'1"	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 1/27	4'-0"	2'-1 1/2"	5'-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"	3-31/4	6'-1 3/4"	5'-6"	17 1/2"	3:1
36"	4,2	1'-3"	5'-3"	2-10 3/4"	6'-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
45"	5″	2"-6"	6'-0°	2"-2"	8'-2"	7-0	22"	3,1
54"	5 1/2"	7-3"	5'-5"	2"-11"	8'-4"	7'-5"	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.

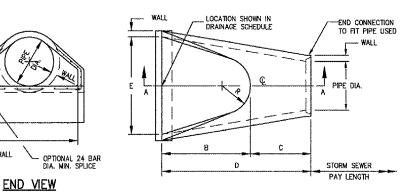


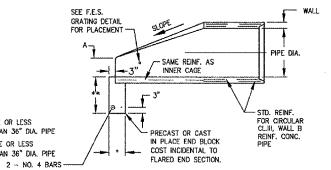
ADJUST DISTANCES AS DIRECTED BY THE RESIDENT ENGINEER TO MEET EDGE OF EXISITING AGGREGATE BASE. UNDERDRAIN ALONG PAVEMENT EDGE



HOLE FOR UNDERDRAIN TO BE PRECAST INTO

STORM SEWER CONCRETE COLLAR AND GROUT CONNECTION





SECTION A-A

PRECAST CONCRETE FLARED END SECTION

* 8" - 36" DIA, PIPE OR LESS

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

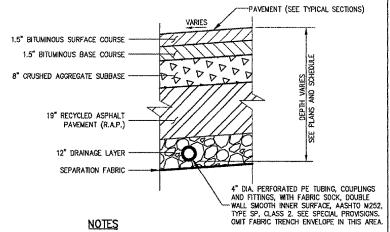
10" - GREATER THAN 36" DIA. PIPE

24" - GREATER THAN 36" DIA. PIPE

1-1/2" R

(IDOT STANDARD 542301)

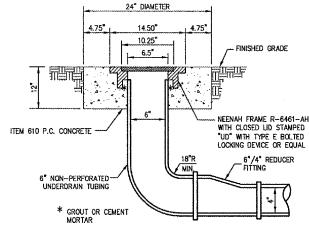
BOLT TO END SECTION



1. UNDERDRAIN TO BE INSTALLED WITHIN THE 12" DRAINAGE LAYER IN ACCORDANCE WITH THE SCHEDULE.

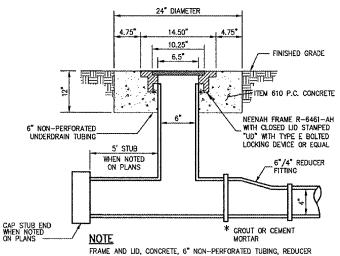
2. ANY SEPARATION FABRIC DAMAGED DURING THE INSTALLATION OF THE UNDERDRAIN TO BE EXCAVATED AND REPLACED.

UNDERDRAIN UNDER PAVEMENT



FRAME AND LID, CONCRETE, 6" NON-PERFORATED TUBING, REDUCER FITTINGS AND ELBOW FITTINGS ARE INCIDENTAL TO CLEANOUT.

UNDERDRAIN CLEANOUT



FRAME AND LID, CONCRETE, 6" NON-PERFORATED TUBING, REDUCER FITTINGS, ELBOW FITTINGS AND CAPS ARE INCIDENTAL TO INSPECTION HOLE.



HANSON PROFESSIONAL SERVICES INC.

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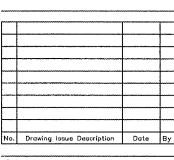


CITY OF DIXON, ILLINOIS

Post Office Box 386 Dixon, Illinois 61021 Telephone: 815.288.1485

DIXON MUNICIPAL AIRPORT CHARLES R. WALGREEN FIELD OVERLAY RUNWAY 8-26. REHABILITATE HANGAR PAVEMENTS

AIP PROJECT NO. 3-17-0036-B5 IDA PROJECT NO. C73-3313



12 MARCH 2004

UTILITY DETAILS

84303B8004/C8005 Project Number KLK 01/05/04 Layout By Date TMM 01/09/04 | Designed By | Dote | | Dote | | Dote | Dot Reviewed By Date

67

KLK |----|---

UNDERDRAIN INSPECTION HOLE