€ 4" UNDERDRAIN

INSTALL UNDERDRAIN INTO - PRECAST HOLE IN MANHOLE AND GROUT AROUND TUBING.

ITEM 610 P.C. CONCRETE

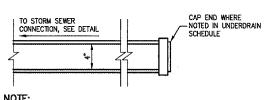
CONCRETE MANHOLE

HOLE FOR UNDERDRAIN TO BE PRECAST INTO MANHOLES AT PROPER INVERT.

UNDERDRAIN CONCRETE COLLAR AND GROUT CONNECTION

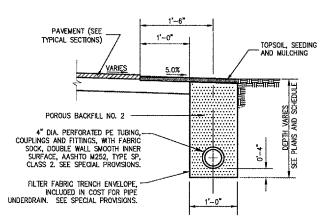
FRAME AND LID, CONCRETE, 6" NON-PERFORATED TUBING, REDUCER FITTINGS AND ELBOW FITTINGS ARE INCIDENTAL TO CLEANOUT.

# UNDERDRAIN CLEANOUT



# UNDERDRAIN CAPPED END

# CAP MUST BE APPROVED PRIOR TO INSTALLATION, SEE SPECIAL PROVISIONS.



UNDERDRAIN ALONG PAVEMENT EDGE

# UNDERDRAIN SCHEDULE

|           | STRUCTURE DATA |             |                     |                                     |            |                  | PIPE DATA       |           |
|-----------|----------------|-------------|---------------------|-------------------------------------|------------|------------------|-----------------|-----------|
| STRUCTURE | STATION        | OFFBET (FT) | TYPE                | PM ELEV.                            | INV        | ENT ELEV.        | PAYLENGTH (FT.) | SLOPE (X) |
| U3        | 900+77.32      | 41.97 LT    | Existing Underdrain |                                     | E          | 771.91           | 07.0            | 4.54      |
| U3A       | 901+59.82      | 16.72 LT    | Cleanout            | 777.71                              | N          | 773.37           | 97.0            | 1.51      |
| K8        | 900+95.59      | 15.69 LT    | Manhole Connection  | 775.08                              | NE         | 773.08           |                 |           |
| U8        | 900+99,59      | 88.01 LT    | Capped End          |                                     |            | 773.93           | 70,5            | 1,21      |
| K9        | 901+97.40      | 32.41 LT    | Manhole Connection  | 778.22<br>(K9 to U9)<br>(K9 to K10) | NE<br>SE   | 774.72<br>774.72 | 55.0            | 0.07      |
| K10       | 902+98.79      | 32.41 LT    | Manhole Connection  | 779.28                              | SW         | 775.78           | 100.0           | 1.06      |
|           |                |             |                     | (K10 to U10)<br>(K10 to K11)        | NE.<br>SE. | 775.78<br>775.78 | 55.0            | 0.78      |
| K11       | 904+05.46      | 32.41 LT    | Manhole Connection  | 780.28                              | SW         | 776.78           | 105.0           | 0.95      |
|           |                |             |                     | (K11 to U11-A)                      | NE         | 776.78           | 9.0             | 0.69      |
| U11-A     | 904+09.56      | 42.32 LT    | Capped End          |                                     | \$         | 776.85           | 9.0             | u.09      |
| U9        | 902+01.40      | 88.35 LT    | Capped End          |                                     | 5          | 774.76           | ~~~             |           |
| U10       | 903+02.79      | 88.19 LT    | Capped End          |                                     | S          | 775.35           |                 | ~ ~ ~     |

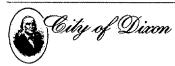
- SEE SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS FOR PIPE MATERIAL SPECIFICATIONS.
- SEE DETAILS AND SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS FOR TRENCH BACKFILL AND COMPACTION REQUIREMENTS.
- 3. STATION AND OFFSET IS GIVEN TO THE CENTER OF THE CLEANOUT.
- 4. SEE DETAILS FOR ADDITIONAL STRUCTURE INFORMATION.
- 5. REFER TO UNDERDRAIN CLEANOUT DETAIL FOR FRAME AND LID INFORMATION.

# -PAVEMENT (SEE TYPICAL SECTIONS) 1.5" BITUMINOUS SURFACE COURSE 1.5" BITUMINOUS BASE COURSE 8" CRUSHED AGGREGATE SUBBASE 19" RECYCLED ASPHALT 12" DRAINAGE LAYER SEPARATION FABRIC 4" DIA. PERFORATED PE TUBING, COUPLINGS AND FITTINGS, WITH FABRIC SOCK, DOUBLE -WALL SMOOTH INNER SURFACE, AASHTO M252, TYPE SP, CLASS 2. SEE SPECIAL PROVISIONS. OMIT FABRIC TRENCH ENVELOPE IN THIS AREA.

- 1. UNDERDRAIN TO BE INSTALLED WITHIN THE 12" DRAINAGE LAYER IN ACCORDANCE WITH THE UNDERDRAIN SCHEDULE.
- 2. ANY SEPARATION FABRIC DAMAGED DURING THE INSTALLATION OF THE UNDERDRAIN TO BE EXCAVATED AND REPLACED.

# UNDERDRAIN UNDER PAVEMENT

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## CITY OF DIXON, ILLINOIS

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DIXON MUNICIPAL AIRPORT CHARLES R. WALGREEN FIELD

OVERLAY TAXIWAYS B, D AND E; REHABILITATE FRONTAGE APRON PAVEMENT

AIP PROJECT NO. 3-17-0036-B7 IDA PROJECT NO. C73-3436

No. Drawing Issue Description Date By

Date

11 MARCH 2005

# UNDERDRAIN SCHEDULE AND DETAILS

843~04B8007 Project Number KLK 02/03/05
Layout By Date Layout By Date
KLK,TMM 02/03/05 Reviewed By Date
KLK ---- ---

DETAILS SHOWN ARE NOT TO SCALE