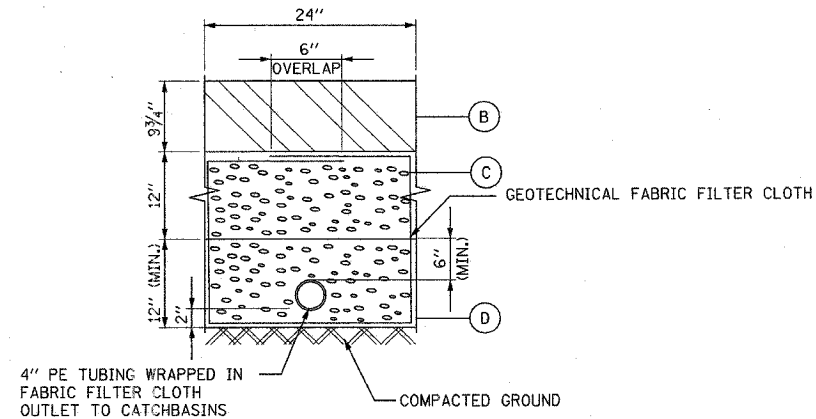


**PROPOSED TYPICAL SECTION
WITH PIPE UNDERDRAINS, 4" AND POROUS
GRANULAR EMBANKMENT**



SECTION A-A

PROPOSED LEGEND

- (A) EXISTING GROUND LINE
- (B) PROPOSED P.C.C. PAVEMENT 9 3/4" (JOINTED)
- (C) PROPOSED AGGREGATE SUBGRADE, 12"
- (D) PROPOSED POROUS GRANULAR BACKFILL CA 16 (LOCATIONS VARY)
- (E) CURB & GUTTER, TYPE B-6.24

NOTES:

1. THE UNDERDRAIN SHALL BE PLACED OUTSIDE OF STORM SEWER TRENCHES.
2. UNDERDRAINS SHALL BE CONSTRUCTED ON A SLOPE PARALLEL TO THE PAVEMENT SLOPE.
3. THE PERFORATED CORRUGATED POLYETHYLENE (PE) TUBING 4 INCH SHALL BE INSTALLED AT A MINIMUM OF 30 INCH DEPTH (GRADE TO PIPE INVERT) AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE TOP OF UNDERDRAIN SHALL BE PLACED MINIMUM 6" BELOW PROPOSED POROUS GRANULAR FILL CA-16.
4. BEDDING OF THE TUBING SHALL CONFORM TO ARTICLE 601.04 OF THE STANDARD SPECIFICATIONS.
5. TRENCH BACKFILL CA-16 SHALL BE USED TO A HEIGHT OF 6 INCHES MINIMUM ABOVE THE TOP OF THE TUBING. PROPOSED POROUS GRANULAR BACKFILL WILL NOT BE PAID SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE UNIT PRICE BID PER LINEAL FOOT OF "PIPE UNDERDRAINS, 4". THE REMAINDER OF THE TRENCH SHALL BE BACKFILLED WITH PROPOSED AGGREGATE SUBGRADE, 12" MATERIAL.
6. THE TRENCH SHALL BE LINED WITH GEOTECHNICAL FABRIC CLOTH WITH THE CLOTH BEING LAID CONTINUOUSLY FROM TOP OF TRENCH TO OVERLAP ON OPPOSITE SIDE OF TOP OF TRENCH. ADDITIONALLY, THE 4 INCH TUBING IS TO BE WRAPPED IN FABRIC FILTER CLOTH. THE BEDDING MATERIAL, TRENCH BACKFILL AND GEOTECHNICAL FABRIC FILTER CLOTH WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR GEOTECHNICAL FABRIC FOR FRENCH DRAINS.
7. THIS WORK SHALL BE IN ACCORDANCE WITH IDOT SPECIAL PROVISION FOR PIPE UNDERDRAINS (RECURRING SPECIAL PROVISIONS).
8. COST OF CONNECTING UNDERDRAIN TO STRUCTURES SHALL BE INCLUDED IN THE COST OF PIPE UNDERDRAINS, 4".

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PIPE UNDERDRAINS, 4" U.S. ROUTE 20 (LAKE STREET)

SCALE: NTS
DATE: 03/01/05

DRAWN BY: V.P.
CHECKED BY: Y.J.