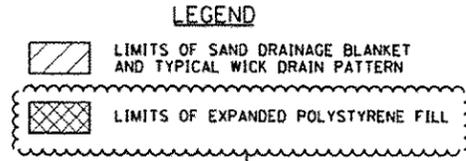


NOTES:  
 1. THERE ARE SEVERAL FIBER OPTICS LINES AND OTHER UTILITIES, INCLUDING ELECTRICAL, TELEPHONE, WATER, AND AERIAL LINES LOCATED IN THE LIMITS OF CONSTRUCTION. THE CONTRACTOR SHALL HAND LOCATE AND VERIFY FIBER OPTIC LINES & SENSITIVE UTILITIES AND EXPOSE THESE PRIOR TO EXCAVATING FOR THE PROJECT PARTICULARLY ALONG MISSOURI AVE. AND THE MLK BRIDGE AREA. THIS WORK SHALL BE PAID FOR UNDER ARTICLE 109.04. SEE SUBSURFACE UNDERGROUND ENGINEERING PLANS FOR ADDITIONAL INFORMATION.



PIPE UNDERDRAINS 6" AND CONCRETE HEADWALLS FOR PIPE DRAINS, TYP.

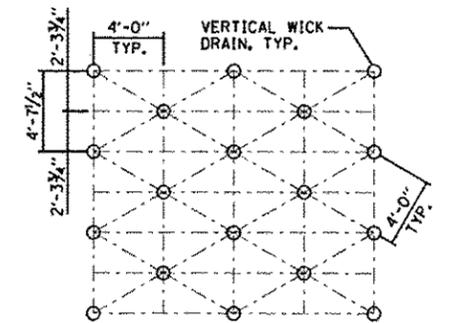
**NOTES:**

- 1.) WITHIN THE LIMITS SHOWN IN THE PLANS, CONSTRUCT A TWO-FOOT-THICK LAYER OF SAND DRAINAGE BLANKET ON TOP OF THE ONE-FOOT-THICK LAYER OF GRANULAR EMBANKMENT. SPECIAL OR AT THE ELEVATION REQUIRED TO FACILITATE DRAINAGE TO AN ADJACENT PIPE UNDERDRAIN, WHICHEVER ELEVATION IS HIGHER. CONSTRUCT EMBANKMENT AS NEEDED TO RAISE THE ELEVATION OF THE SAND DRAINAGE BLANKET. PROVIDE A MINIMUM 9-FOOT-WIDE BARRIER OF EMBANKMENT BETWEEN THE LIMITS OF THE SAND DRAINAGE BLANKET AND THE FACE OF THE FORESLOPE.
- 2.) IN PLAN, INSTALL THE WICK DRAINS A MINIMUM 10 FEET INSIDE THE LIMITS OF THE SAND DRAINAGE BLANKET. THE WICK DRAINS SHALL BE INSTALLED TO THE TIP ELEVATION SHOWN IN THE "WICK DRAIN TIP ELEVATIONS" TABLE, AND THE TOP CUTOFF SHALL BE ACCORDING TO THE SPECIAL PROVISIONS.
- 3.) PIPE UNDERDRAINS USED TO OUTLET THE SAND DRAINAGE BLANKET SHALL BE EMBEDDED AT LEAST THREE FEET INSIDE THE LIMITS OF THE SAND DRAINAGE BLANKET, SHALL BE CAPPED AT THE UPSTREAM END, AND SHALL HAVE A CONCRETE HEADWALL FOR PIPE DRAINS AT THE EMBANKMENT FORESLOPE. THE COST OF THE CAP SHALL BE INCLUDED IN THE UNDERDRAIN ITEMS. THE HEADWALLS SHALL BE PAID FOR SEPARATELY.
- 4.) THE CONTRACTOR SHALL INSTALL SETTLEMENT PLATFORMS AT THE LOCATIONS AS SHOWN IN THE PLANS AND NOTED BELOW. FURNISHING, INSTALLING, AND MAINTAINING THE SETTLEMENT PLATFORMS SHALL BE ACCORDING TO ARTICLE 204.06 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THE WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR FURNISHED EXCAVATION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

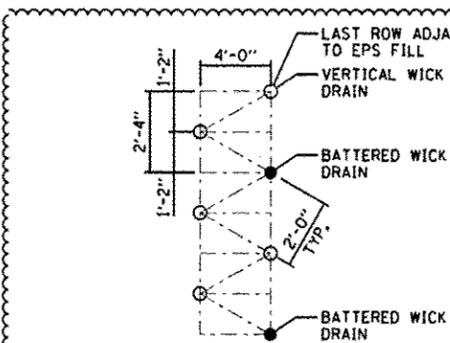
SETTLEMENT PLATFORM LOCATIONS		
STATION	OFFSET	DAYS REQUIRED FOR 90% CONSOLIDATION
RELOCATED IL RTE 3		
619+00	0'	38
621+00	0'	38

WICK DRAIN TIP ELEVATIONS		
STATION	TO STATION	TIP ELEVATION
RELOCATED IL RTE 3		
618+25	622+56	380.00
623+89	624+74	380.00

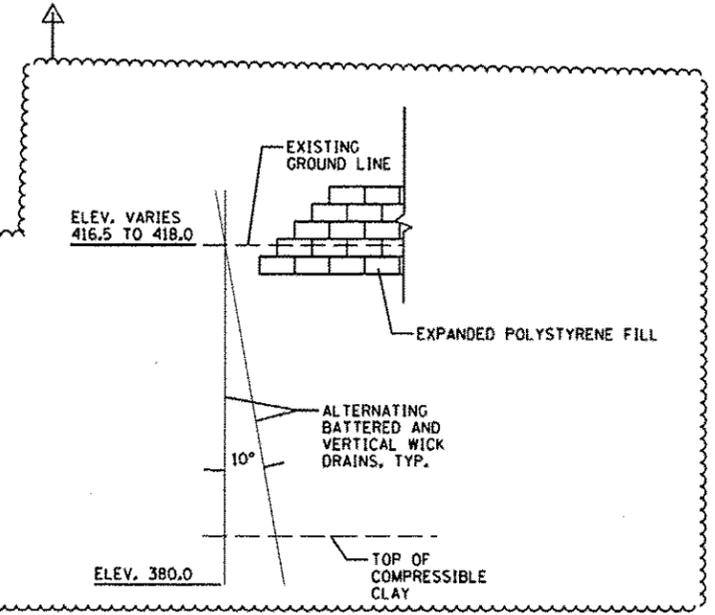
PIPE UNDERDRAIN OUTLET ELEVATIONS		
STATION	INVERT ELEVATION	
	LT	RT
RELOCATED IL RTE 3		
618+50	416.50	
619+50	415.50	
620+50	422.50	
621+00		416.50
622+00	416.50	
624+00		416.50



TYPICAL WICK DRAIN PATTERN



ALTERNATING BATTERED AND VERTICAL WICK DRAIN PATTERN



SECTION A-A

**Farnsworth**  
 GROUP, INC.  
 2700 McGraw Drive  
 Bloomington, IL 61708-6174  
 309/663-5435, 309/663-1571 fax

USER NAME : #USER#  
 PLOT SCALE : #SCALE#  
 PLOT DATE : #DATE#

DESIGNED - JJO  
 DRAWN - JJO  
 CHECKED - PJM  
 DATE - 10/18/12

REVISED - 02/06/13  
 REVISED - 03/18/13  
 REVISED - 05/13/13  
 REVISED - 6-5-13

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

RELOCATED IL RTE 3  
 GROUND IMPROVEMENT PLAN  
 SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
788	620-1-2-1	ST. CLAIR	121	31A
CONTRACT NO. 76F70				

ILLINOIS FED. AID PROJECT