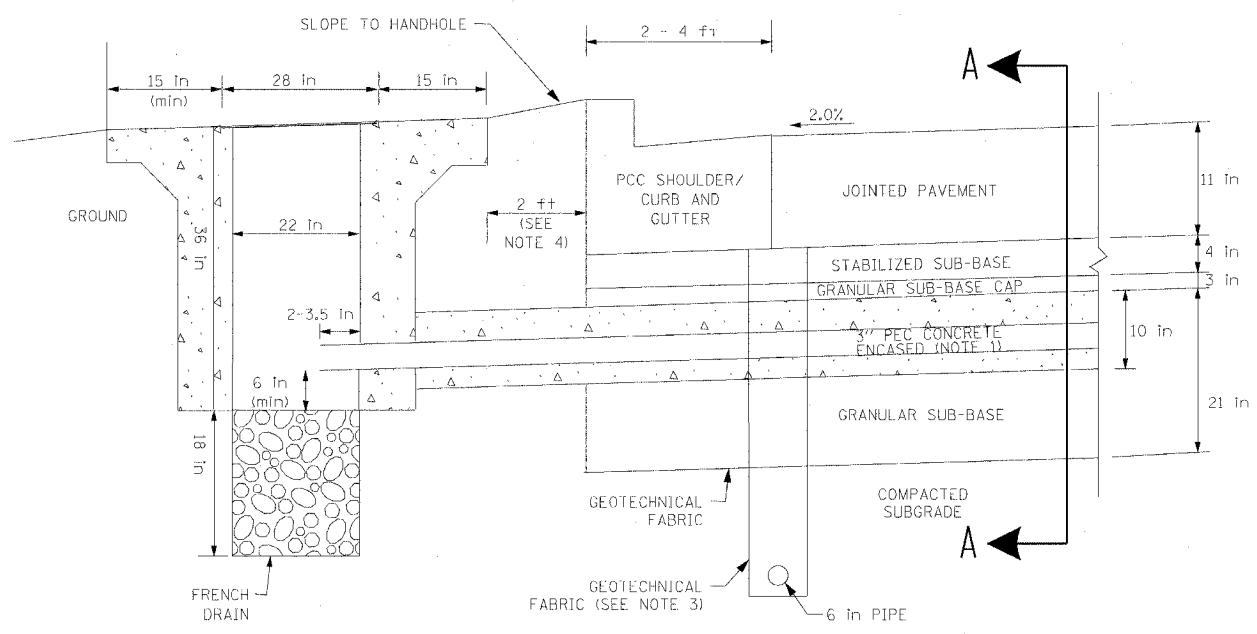
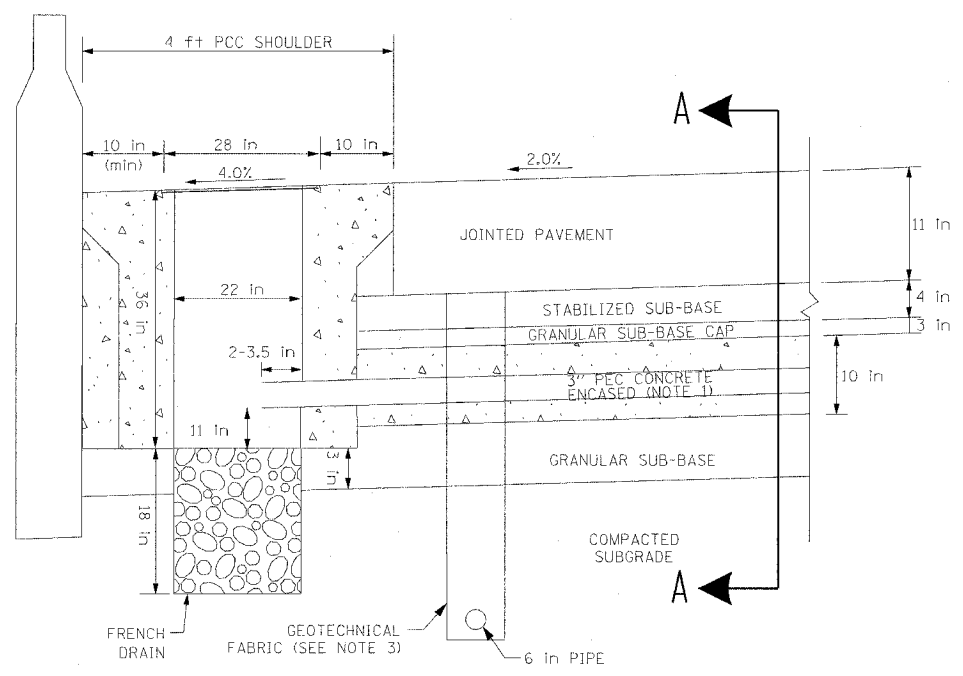


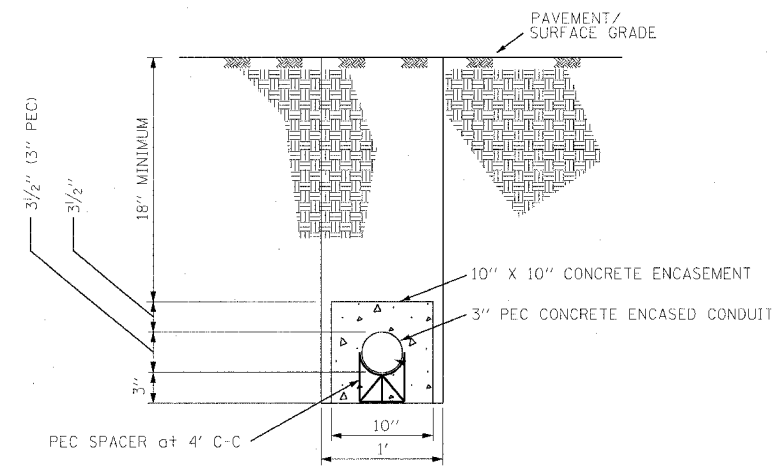
HEAVY DUTY HANDHOLE IN 6' TO 10' RAMP SHOULDER (TYPICAL)



HEAVY DUTY HANDHOLE OUTSIDE 2' TO 4' RAMP SHOULDER WITH CURB AND GUTTER (TYPICAL)



HEAVY DUTY HANDHOLE (SPECIAL) IN 4' RAMP SHOULDER (TYPICAL)



SECTION A-A  
TYPICAL 3" PEC CONCRETE ENCASED CONDUIT UNDER PAVEMENT DETAIL  
(FOR MICROLOOP INSTALLATION IN PROPOSED RAMP PAVEMENT)

- NOTES:
- 3" PEC CONCRETE ENCASED CONDUIT IS REQUIRED ONLY WHERE SHOWN ON THE PLAN DRAWINGS. WHEN INSTALLED, THE CONDUIT MUST MAINTAIN THE SAME ANGLE AS THE PAVEMENT THROUGHOUT ITS ENTIRE LENGTH.
  - FOR HANDHOLE DETAIL SEE SHEET EI-106.
  - WHEN INSTALLING CONDUIT NEAR OR THROUGH UNDERDRAIN GEOTECHNICAL FABRIC, THE CONTRACTOR SHALL MAINTAIN THE INTEGRITY AND UNIFORMITY OF THE UNDERDRAIN FABRIC THROUGH OVERLAP TO THE SATISFACTION OF THE ENGINEER.
  - FOR HANDHOLE INSTALLATION BEHIND SHOULDER WITHOUT CURB, INSTALL HANDHOLE 2 FT BEHIND EDGE OF SHOULDER.

EI-110

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
63rd ST TO 59th ST (FRONTAGE ROAD & RAMPS)

TYPICAL HANDHOLE INSTALLATION  
DETAIL - RAMP SHOULDER

SCALE: NOT TO SCALE  
DATE: October 29, 2004

DRAWN BY: NB  
CHECKED BY: CTC

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10/27/2004 02:26:00 PM