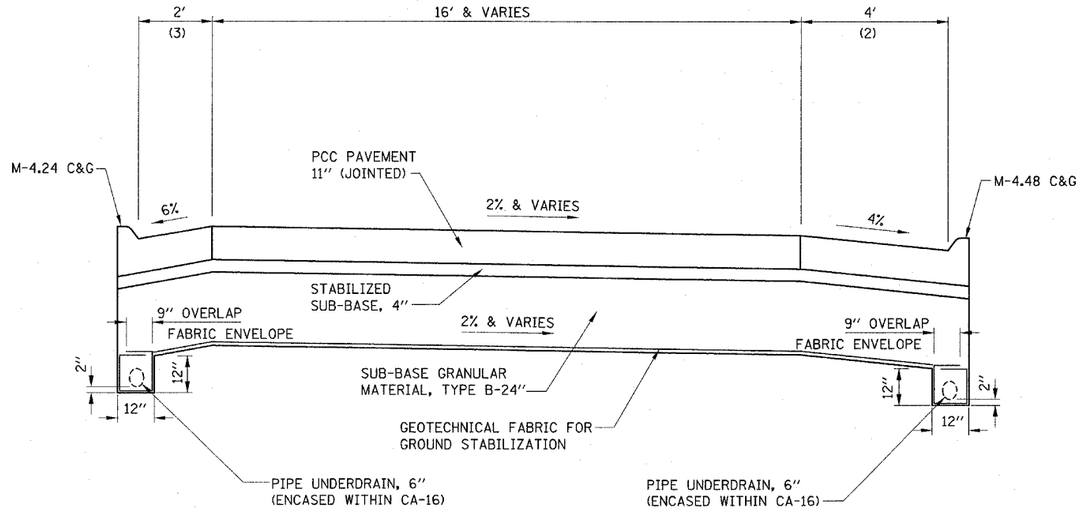
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	860	239
STA. 2200+00.00		TO STA. 2362+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* (1516.1, 1717 & 1818) R-8

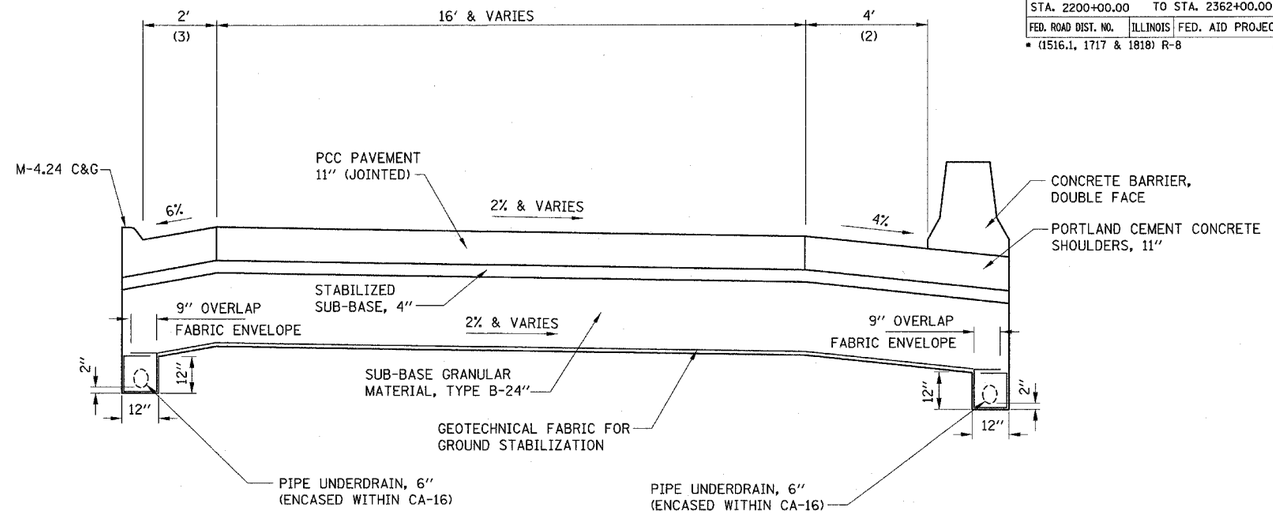
62694



PIPE UNDERDRAINS ALONG RAMPS

NOTES:

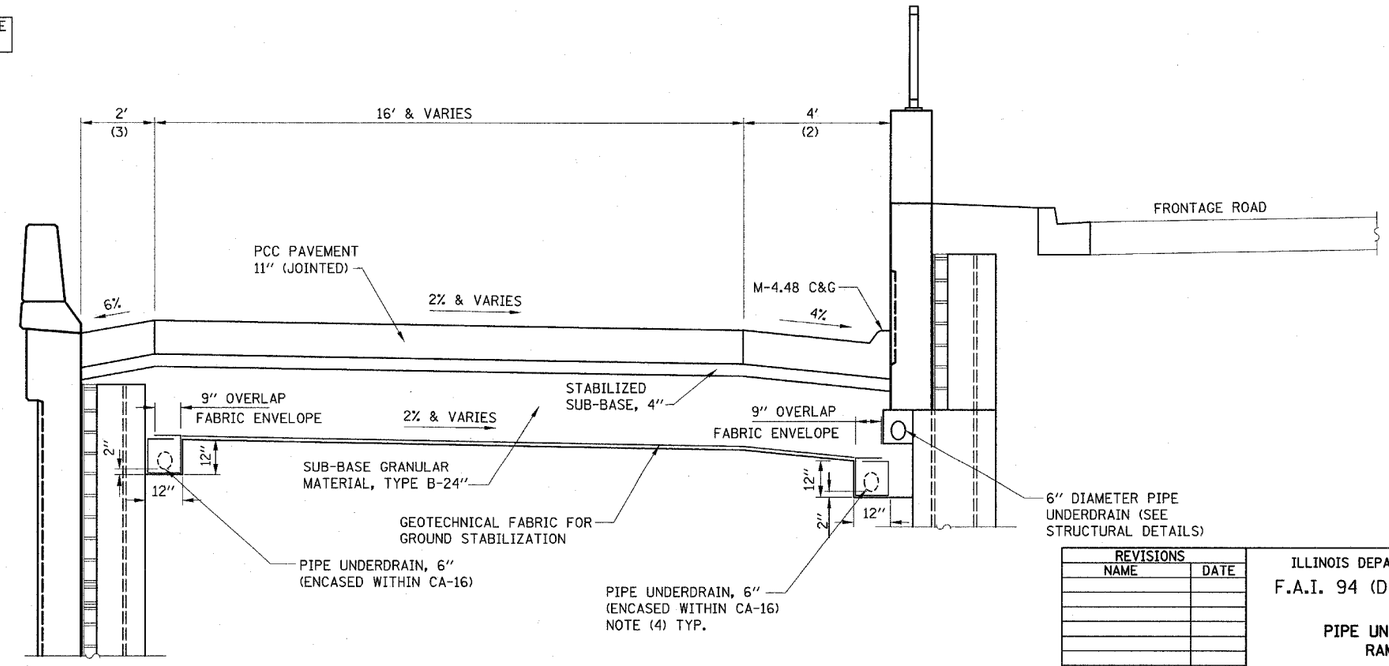
(1) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHALL BE PLACED THE ENTIRE WIDTH FROM INSIDE EDGE OF PIPE UNDERDRAIN TRENCH TO INSIDE EDGE OF PIPE UNDERDRAIN TRENCH, AND SUB-BASE GRANULAR MATERIAL TYPE B-24" SHALL BE PLACED THE ENTIRE WIDTH FROM BACK-OF-CURB TO BACK-OF-CURB PRIOR TO UNDERDRAIN INSTALLATION. REPLACEMENT OF THE SACRIFICIAL SUB-BASE GRANULAR MATERIAL TYPE B-24" ABOVE THE NEWLY PLACED PIPE UNDERDRAIN TRENCHES SHALL BE INCLUDED IN THE UNIT PRICE OF THE PIPE UNDERDRAIN, 6".
(2) RIGHT SHOULDER IN DIRECTION OF TRAFFIC
(3) LEFT SHOULDER IN DIRECTION OF TRAFFIC
(4) FABRIC ENVELOPE AND CA-16 ARE INCLUDED IN THE UNIT COST FOR PIPE UNDERDRAINS



PIPE UNDERDRAINS ALONG RAMPS WITH BARRIER WALL

NOTES:

(1) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHALL BE PLACED THE ENTIRE WIDTH FROM INSIDE EDGE OF PIPE UNDERDRAIN TRENCH TO INSIDE EDGE OF PIPE UNDERDRAIN TRENCH, AND SUB-BASE GRANULAR MATERIAL TYPE B-24" SHALL BE PLACED THE ENTIRE WIDTH FROM BACK-OF-CURB TO BACK-OF-BARRIER WALL PRIOR TO UNDERDRAIN INSTALLATION. REPLACEMENT OF SACRIFICIAL SUB-BASE GRANULAR MATERIAL TYPE B-24" ABOVE THE NEWLY PLACED PIPE UNDERDRAIN TRENCHES SHALL BE INCLUDED IN THE UNIT PRICE OF THE PIPE UNDERDRAIN, 6".
(2) RIGHT SHOULDER IN DIRECTION OF TRAFFIC
(3) LEFT SHOULDER IN DIRECTION OF TRAFFIC
(4) FABRIC ENVELOPE AND CA-16 ARE INCLUDED IN THE UNIT COST FOR PIPE UNDERDRAINS.



NOTES:

(1) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHALL BE PLACED THE ENTIRE WIDTH FROM INSIDE EDGE OF PIPE UNDERDRAIN TRENCH TO INSIDE EDGE OF PIPE UNDERDRAIN TRENCH, AND SUB-BASE GRANULAR MATERIAL TYPE B-24" SHALL BE PLACED THE ENTIRE WIDTH FROM RETAINING WALL FACE TO RETAINING WALL FACE PRIOR TO UNDERDRAIN INSTALLATION. REPLACEMENT OF THE SACRIFICIAL SUB-BASE GRANULAR MATERIAL TYPE B-24" ABOVE THE NEWLY PLACED PIPE UNDERDRAIN TRENCHES SHALL BE INCLUDED IN THE UNIT PRICE OF THE PIPE UNDERDRAIN, 6".
(2) RIGHT SHOULDER IN DIRECTION OF TRAFFIC
(3) LEFT SHOULDER IN DIRECTION OF TRAFFIC
(4) FABRIC ENVELOPE AND CA-16 ARE INCLUDED IN THE UNIT COST FOR PIPE UNDERDRAINS

PIPE UNDERDRAINS ALONG RAMPS WITH RETAINING WALLS

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
130 EAST RANDOLPH STREET SUITE 2880
CHICAGO, ILLINOIS 60601
JOB NO. 660

REVISIONS	
NAME	DATE
REVISED	04/15/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.I. 94 (DAN RYAN EXPRESSWAY)

PIPE UNDERDRAINS ALONG RAMPS DETAILS

SCALE: NONE
DRAWN BY: BBA
DATE: MARCH 18, 2005
CHECKED BY: TYLI