

F.A.I. 74	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
RTE. 1-74	172-411-3	PEORIA	10	1
	ILLINOIS	CONTRACT NO. 68C31		

INDEX OF SHEETS

1. COVER SHEET & SIGNATURE
2. GENERAL NOTES
3. SUMMARY OF QUANTITIES
4. PROPOSED WORK SHEET
5. SCHEDULE OF QUANTITIES
6. EROSION CONTROL DETAIL
- 7-10 CADD STANDARD

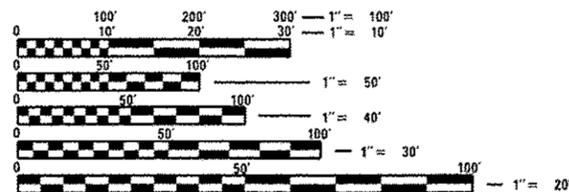
HIGHWAY STANDARDS

- 701101-04
- 701400-07
- 701406-08
- 701901-03

CADD STANDARDS - INCLUDED AS SHEETS 7-10

- 205001-D4
- 210001-D4
- 630101-D4

ADT = 22500
MU = 18.44%



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: Christopher Maushard, 309-671-3453
PROJECT MANAGER: George Ramia, 309-671-3467
CONTRACT NO. 68C31
CATALOG NO. 035203-00D

**DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS**

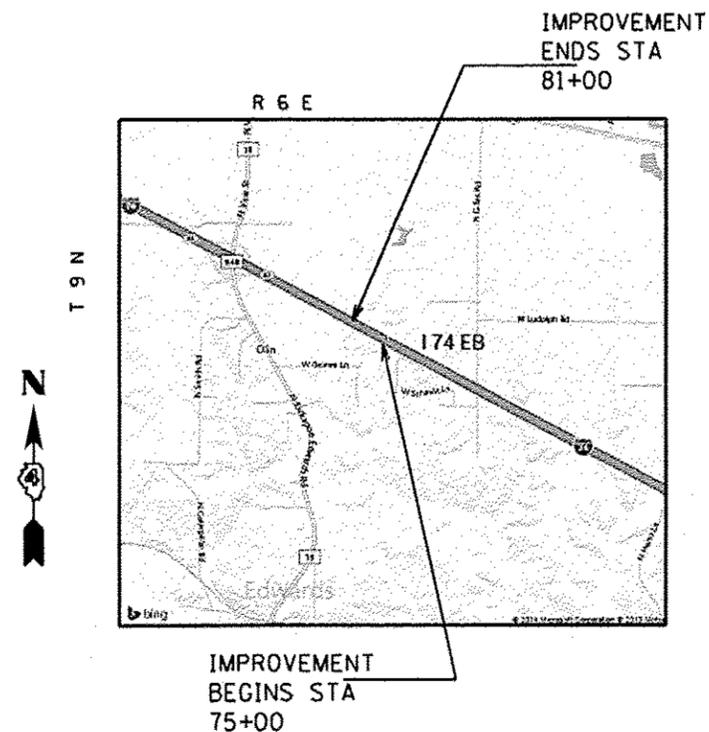
**PROPOSED
HIGHWAY PLANS**

**FAI 74 ROUTE 1-74
SECTION (72-4)1-3**

**TYPE of IMPROVEMENT: SLOPE STABILIZATION
PEORIA COUNTY**

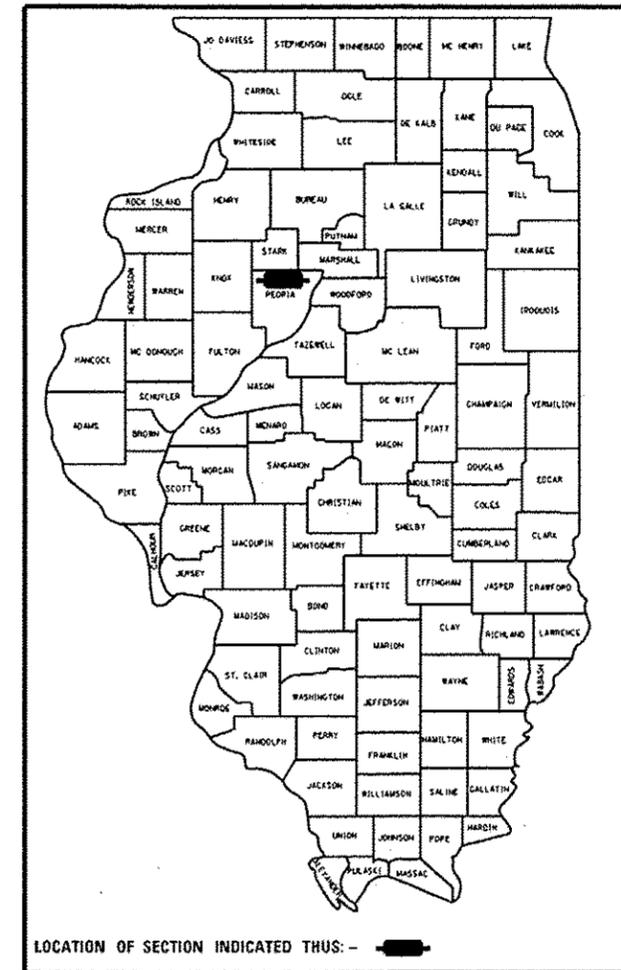
C-94-018-15

Stabilize slide area along I 74 EB, 0.5 mile East of MM82 (Kickapoo/Edwards Rd.) with slope retention system and replace wood curb with guardrail erosion control.



GROSS LENGTH = NET LENGTH = 600 FT. = 0.114 MILE

D-94-012-15



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Aug 18 20 14
Thomas A. Barnett
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Oct 17 20 14
John D. Baranzoni, PE
ENGINEER OF DESIGN AND ENVIRONMENT

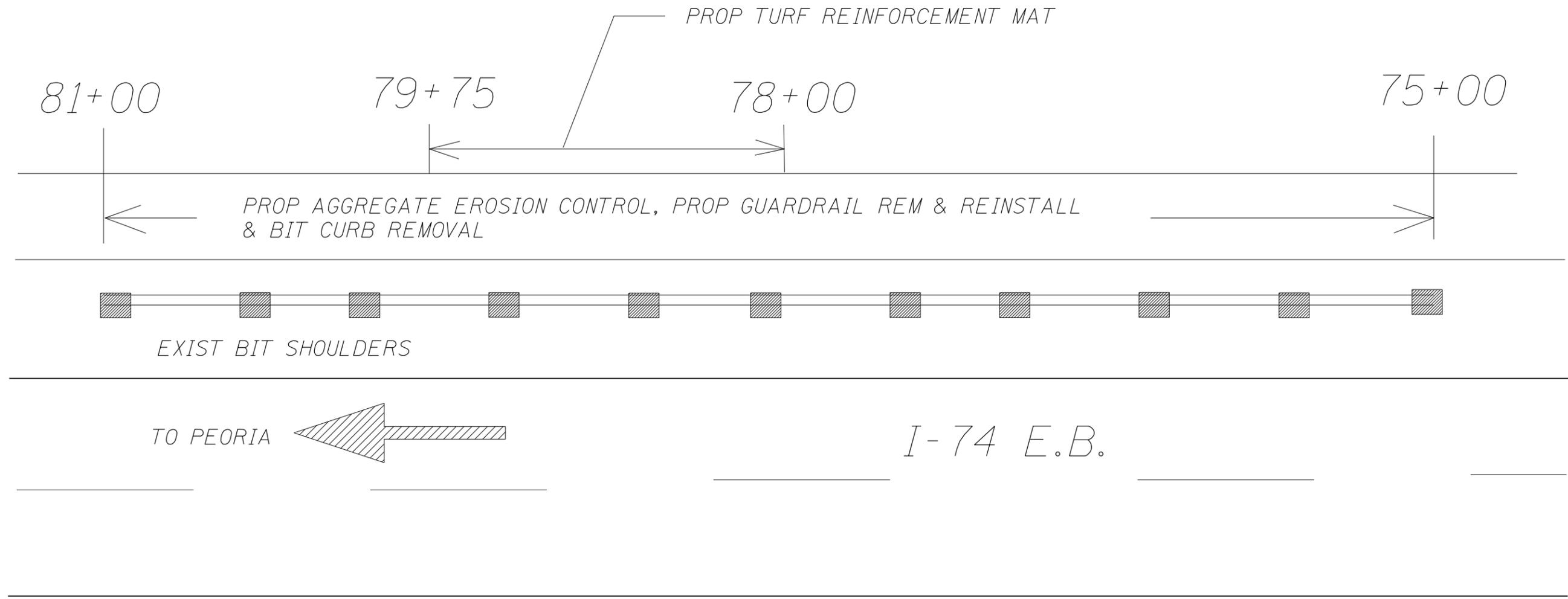
Oct 17 20 14
Omair Osman, PE
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

COMMITMENTS

Commitments are not to be altered without the written approval of all parties to which the commitment was made. No Commitment were made.

FILE NAME * day labor.dgn	USER NAME * aubreyg	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES				F.A.I. 74	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE * 100.0000 1/ in.	DRAWN -	REVISED -						RTE 1-74	(72-41)-3	PEORIA	10	2
	PLOT DATE * 8/18/2014	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		
		DATE -	REVISED -		CONTRACT NO. 68C31								



I-74 1/2 MILE EAST OF MILE MARKER 82

FILE NAME = day labor1.dgn	USER NAME = aubreygs	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROP WORK				F.A. 74	RTE. I-74	COUNTY PEORIA	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	CONTRACT NO.: 68C31	10	4
Default	PLOT DATE = 8/18/2014	DATE -	REVISED -							ILLINOIS FED. AID PROJECT			

LOCATION	REMOVE AND RE-ERECT SPBGR TYPE A	GUARDRAIL AGG EROSION CONTROL	EROSION CONTROL CURB REMOVAL
	FOOT	TON	FOOT
75+00 TO 81+00	600	122	600
TOTAL	600	122	600

MOBILIZATION	L SUM
JOB SITE	1
TOTAL	1

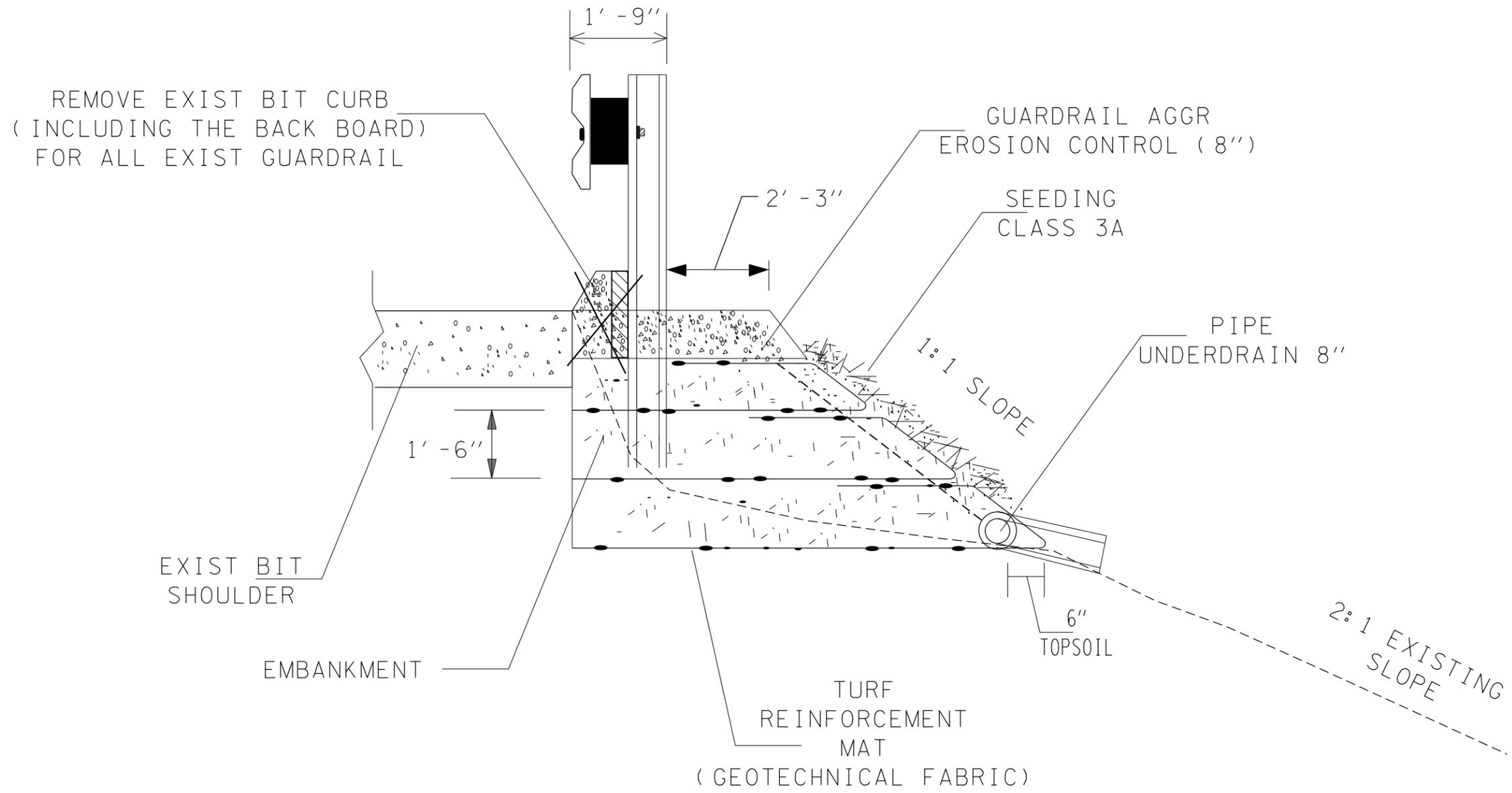
TRAFFIC CONTROL & PROTECTION STD 701406	L SUM
JOB SITE	1
TOTAL	1

LOCATION	EARTH EXCAVATION	FOR INFO ONLY			FURNISHED EXCAVATION	TURF REINF MAT	pipe under- drain 8"
		EARTH EXCAV ADJUSTED TO 25% SHRINKAGE	EMBANKMENT	CU. YD.			
78+00 TO 79+70	147	163	320	101	768	175	
TOTAL	147	163	320	101	768	175	

CHANGEABLE MESSAGE SIGN	CAL MO
JOB SITE	0.5
*TOTAL	0.5

* 1 SIGN FOR 2 WEEKS

LOCATION	SEEDING CLASS 3 A	TOPSOIL FURNISH & PLACE 6"	NITROGEN FERTILIZER NUTRIENT	NITROGEN FERTILIZER NUTRIENT	NITROGEN FERTILIZER NUTRIENT	EROSION CONTROL BLANKET
	ACRE	SQ YD	POUND	POUND	POUND	SQ YD
78+00 TO 80+00	0.1	220	9	9	9	220
TOTAL	0.1	220	9	9	9	220



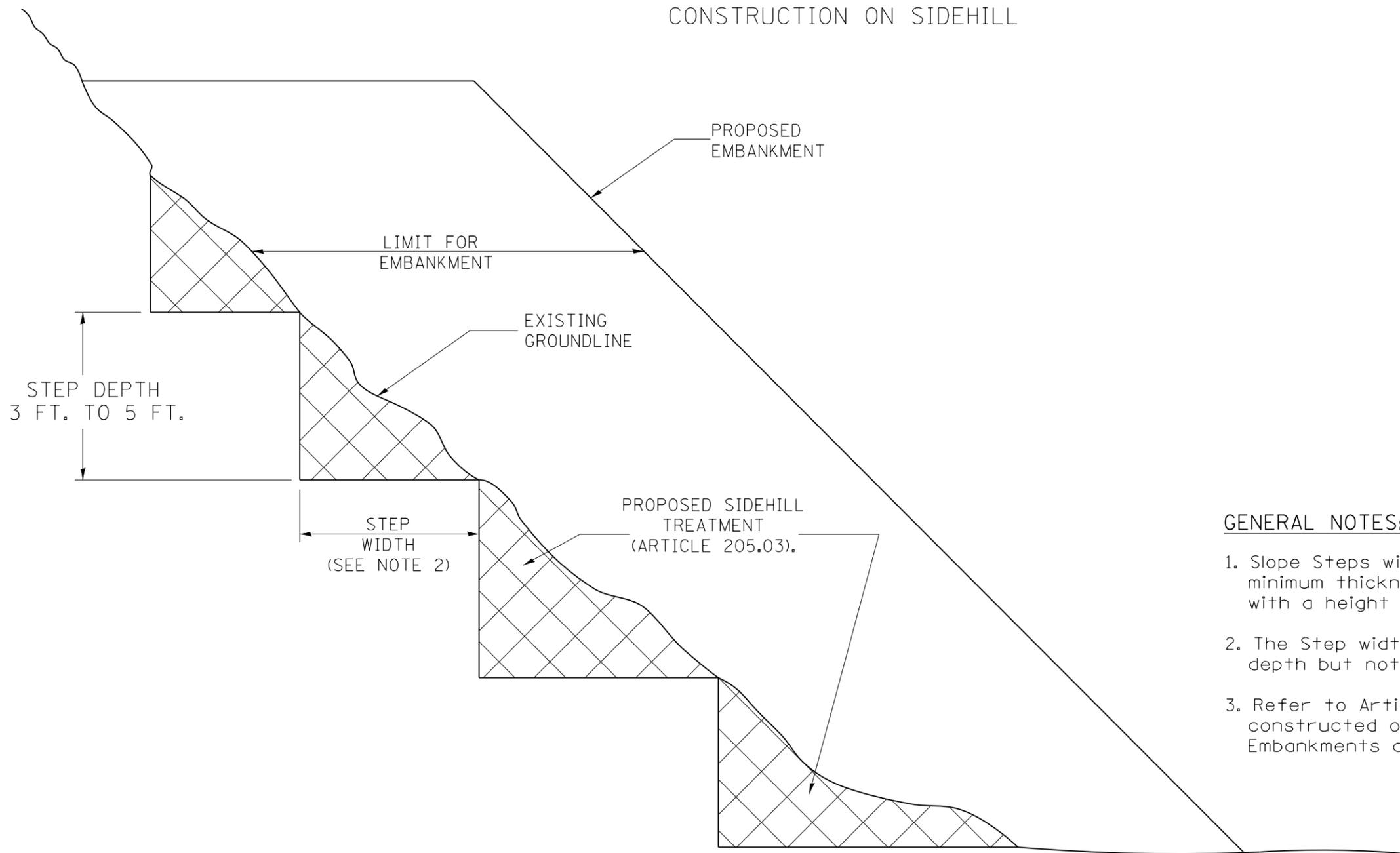
EARTH REINFORCEMENT DETAIL & TYPICAL SECTION

FROM STA 78+00 TO STA 79+70 (EAST BOUND OUTSIDE SLOPE)

FILE NAME = day labor1.dgn	USER NAME = aubreygs	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL DETAIL			F.A. 74	RTE. I-74	COUNTY	TOTAL	SHEET
	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -					SECTION (72-4)I-3	PEORIA	SHEETS	NO.	
Default	PLOT DATE = 8/18/2014	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 68C31		10	6	
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

SLOPE STEPS DETAIL

TYPICAL CROSS-SECTION EMBANKMENT CONSTRUCTION ON SIDEHILL



GENERAL NOTES:

1. Slope Steps will be required for all 12(300) minimum thickness "silver fills" and on a fills with a height of 10'(3.0m).
2. The Step width shall be twice the Step depth but not less than 6 feet.
3. Refer to Article 205.03 for Embankment to be constructed on Hillside or Slopes, or if existing Embankments are to be widened.

REPLACEMENT MATERIAL:



STANDARD EMBANKMENT
(IN ACCORDANCE WITH
205 OF THE STANDARD SPECIFICATION).

DESIGNER NOTE:
1. EACH PROJECT SHOULD BE REVIEWED INDEPENDENTLY FOR TREATMENT REQUIRED.
2. REFER TO THIS DETAIL WITH NOTE ON APPLICABLE TYPICAL SECTIONS.

All dimensions are in inches (millimeters) unless otherwise noted.

1-1-97	RENUM. L-5.03, NEW REVISION BOX, REVISED TITLE	T.P.
	BOX, REVISED GENERAL NOTES.	
10-16-06	REVISED TO 2007 SPEC.	M.A.

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

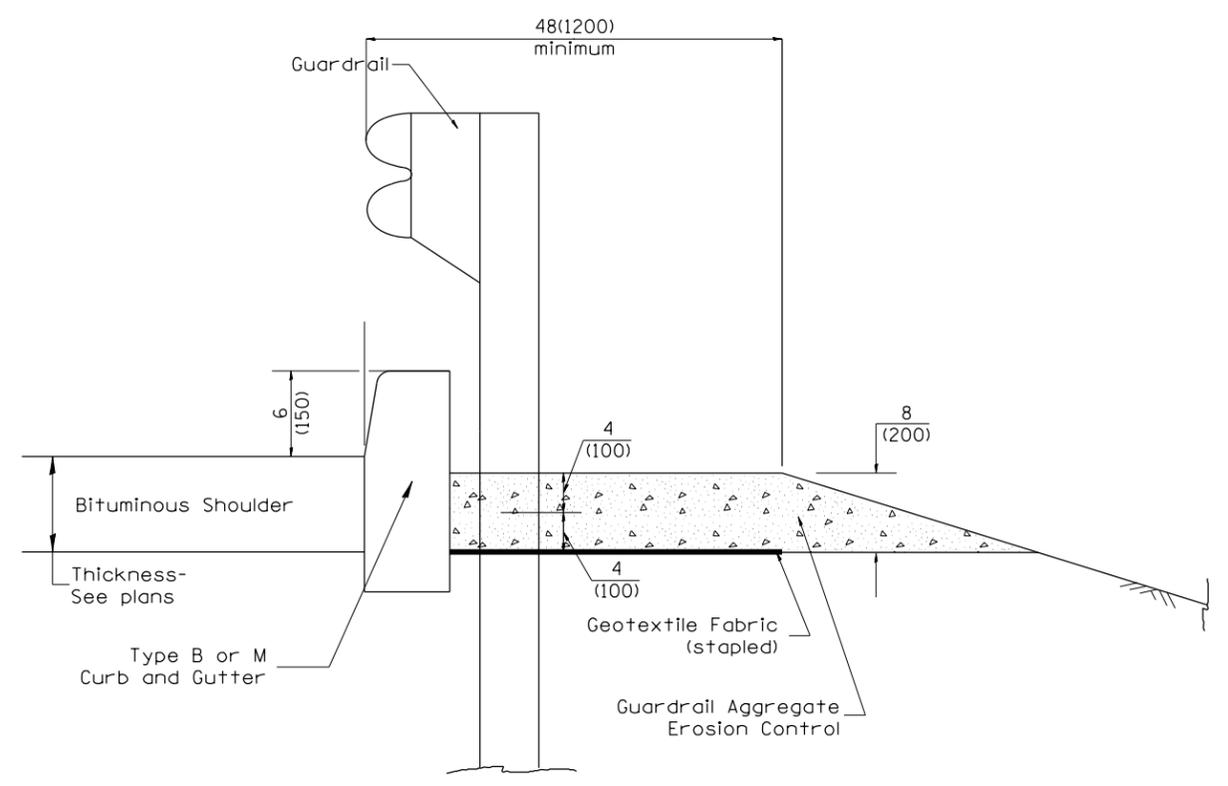
SLOPE STEPS DETAIL

NOT TO SCALE

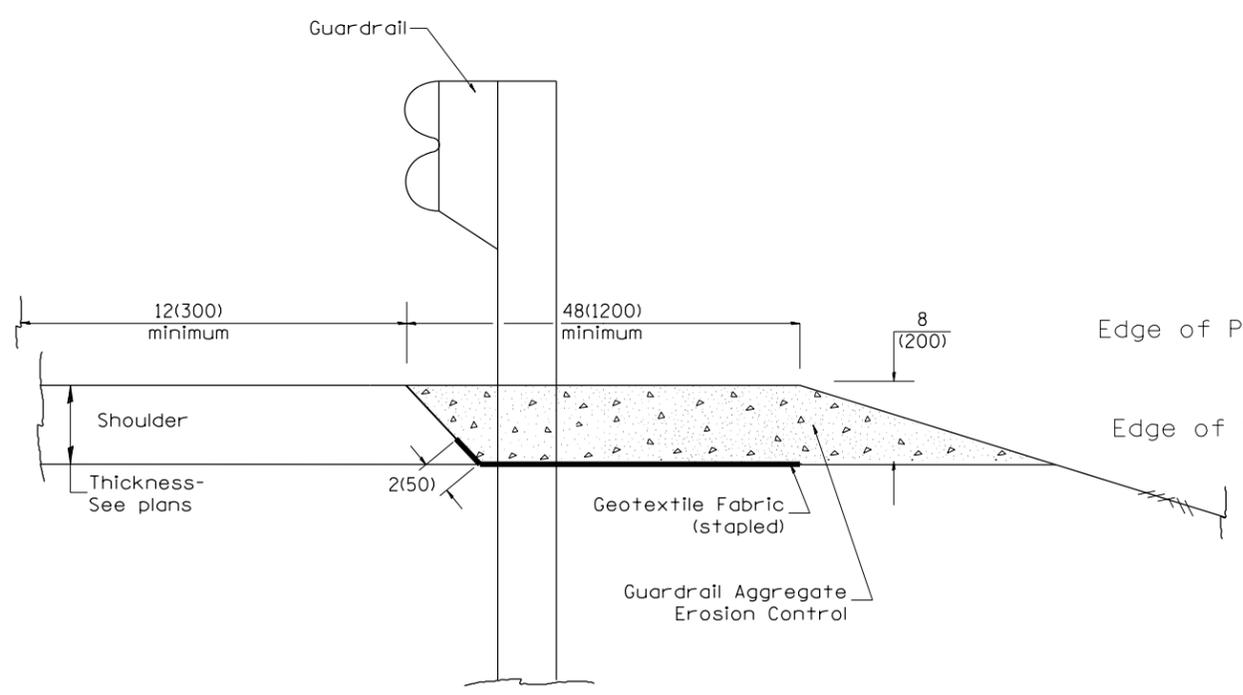
CADD STD. 205001-D4

F.A.1. 74	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
RTE. 1-74	(72-4)1-3	PEORIA	10	7
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68C31	

DESIGNER NOTES:
 1. Consider using a "B" curb pay item at guardrail installations where grades are equal to or greater than 1% and at inlets. (Include District Special Provision)
 2. Use GUARDRAIL AGGREGATE EROSION CONTROL at guardrail installations where grades are less than 1%. (Include District Special Provision)
 3. Include State Standards 609001, 609006 or 610001 if applicable.
 4. Include the following District Cadd Standards as needed: Slope Drains for Exposed Pipes; Slope Drains for Buried Pipes; Seepage Collars for Buried Pipes; Seepage Collars for Exposed Pipes; Concrete Thrust Blocks and Pipe Elbow.
 5. Include District Special Provision "Aggregate Quality" for projects located in the Western Area of the District - approx. dividing line is IL 97.



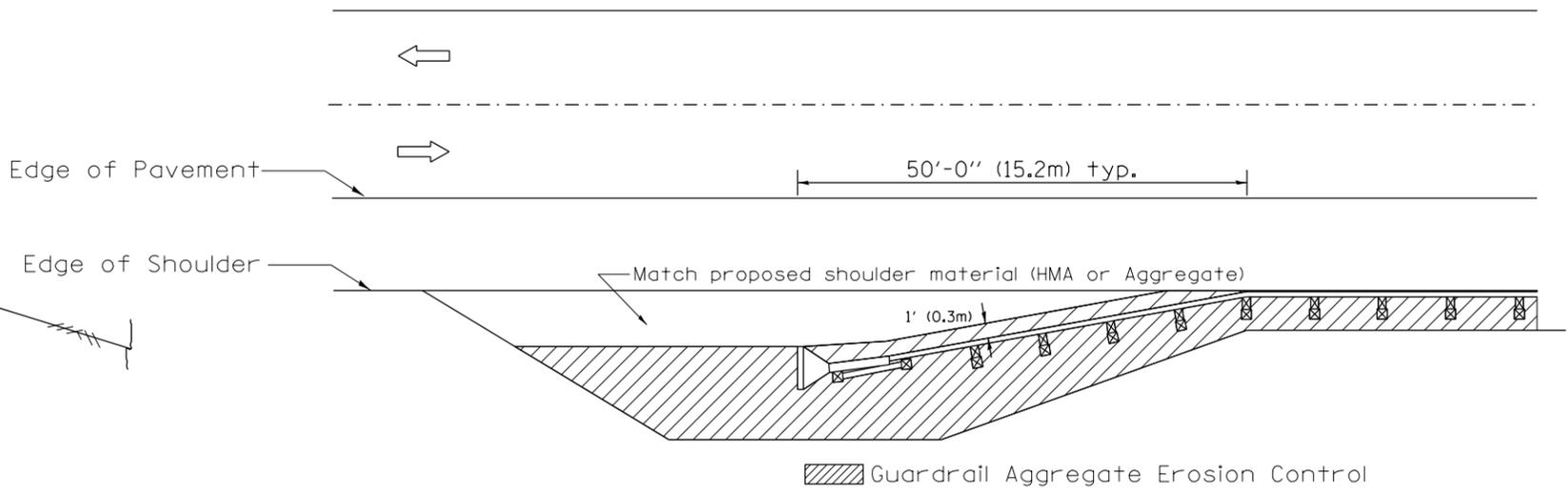
TYPICAL SECTION WITH EROSION CONTROL CURB



TYPICAL SECTION WITHOUT EROSION CONTROL CURB

GENERAL NOTES: GUARDRAIL AGGREGATE EROSION CONTROL

1. This work shall consist of grading as needed, furnishing and installing geotextile fabric and staples, and furnishing, placing and shaping crushed aggregate around and behind Steel Plate Beam Guardrail posts in accordance with Plan Details.
2. Before placing the aggregate and the Geotextile Fabric, weeds and grass shall be removed from the area to be covered.
3. After the area has been prepared, and in a dry condition, the Geotextile fabric shall be placed with a 12(300) minimum overlap. A knife cut for guardrail post installation is necessary.
4. The aggregate shall be deposited, compacted and shaped by either mechanical or hand methods, in a manner reasonably true to line and grade.
5. The Contractor shall have the option of placing the guardrail before or after the Geotextile Fabric and Aggregate are in place. If the guardrail is placed after the Geotextile Fabric and Aggregate, then any voids must be filled and the aggregate returned to line and grade.
6. Materials shall meet the following requirements:
 - A. The crushed aggregate shall be CA1 gradation in accordance with Article 1004.01(c) of the Standard Specifications.
 - B. The Geotextile Fabric shall be nonwoven fabric in accordance with Article 1080.02 of the Standard Specifications.



All dimensions are in inches (millimeters) unless otherwise noted.

01-01-97	RENUM. C-22.01, NEW REVISION BOX	T.P.	3-7-11	Added Detail showing plan view	R.D.
03-01-97	CORRECT STD. NUMBERS IN NOTES PG. 2	J.A.	8-10-12	Revised curb "B" and aggregate	R.D.
11-03-00	CORRECTION TO NOTES	M.A.			
10-16-06	REVISED TO 2007 SPEC.	M.A.			

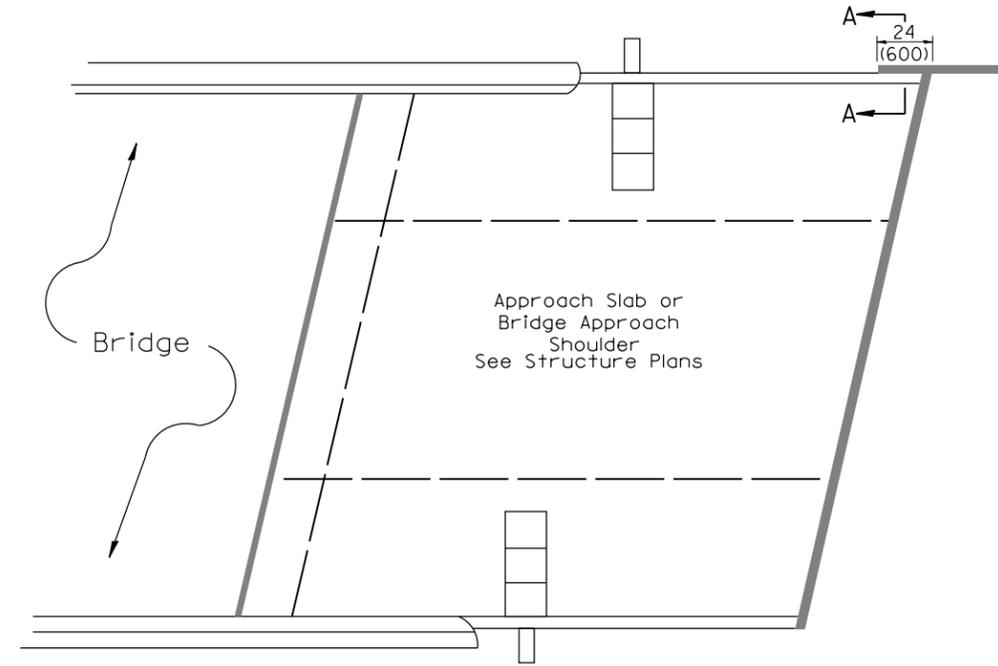
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GUARDRAIL EROSION CONTROL TREATMENTS

NOT TO SCALE

SHT. 1 OF 2
 CADD STD. 630101-D4

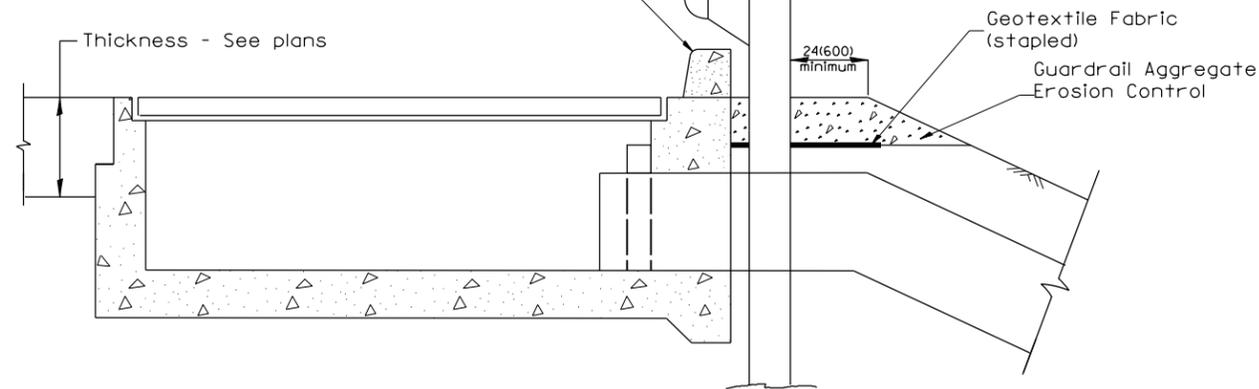
F.A.I. 74	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
RTE. 1-74	(72-4)I-3	PEORIA	10	8
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68C31	



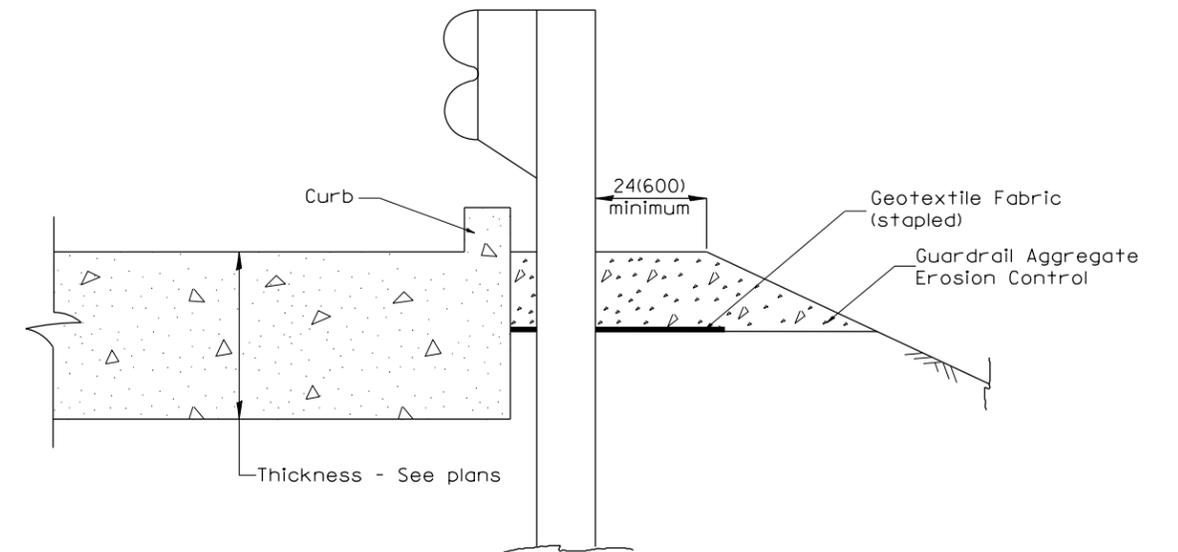
PLAN VIEW

APPROACH SLAB OR BRIDGE APPROACH SHOULDER
(STANDARD 609001 or 609006)

Type B or M curb.
Install an 8' long #4 epoxy coated reinforcement bar across the inlet box. Cut and seal a contraction joint at each edge of the inlet box in accordance with Article 420.12 of the standard specifications.



TYPICAL SECTION AT INLETS
TYPE E & F (STANDARD 610001)



SECTION A-A
TYPICAL SECTION WITH BRIDGE APPROACH CURB

All dimensions are in inches (millimeters) unless otherwise noted.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

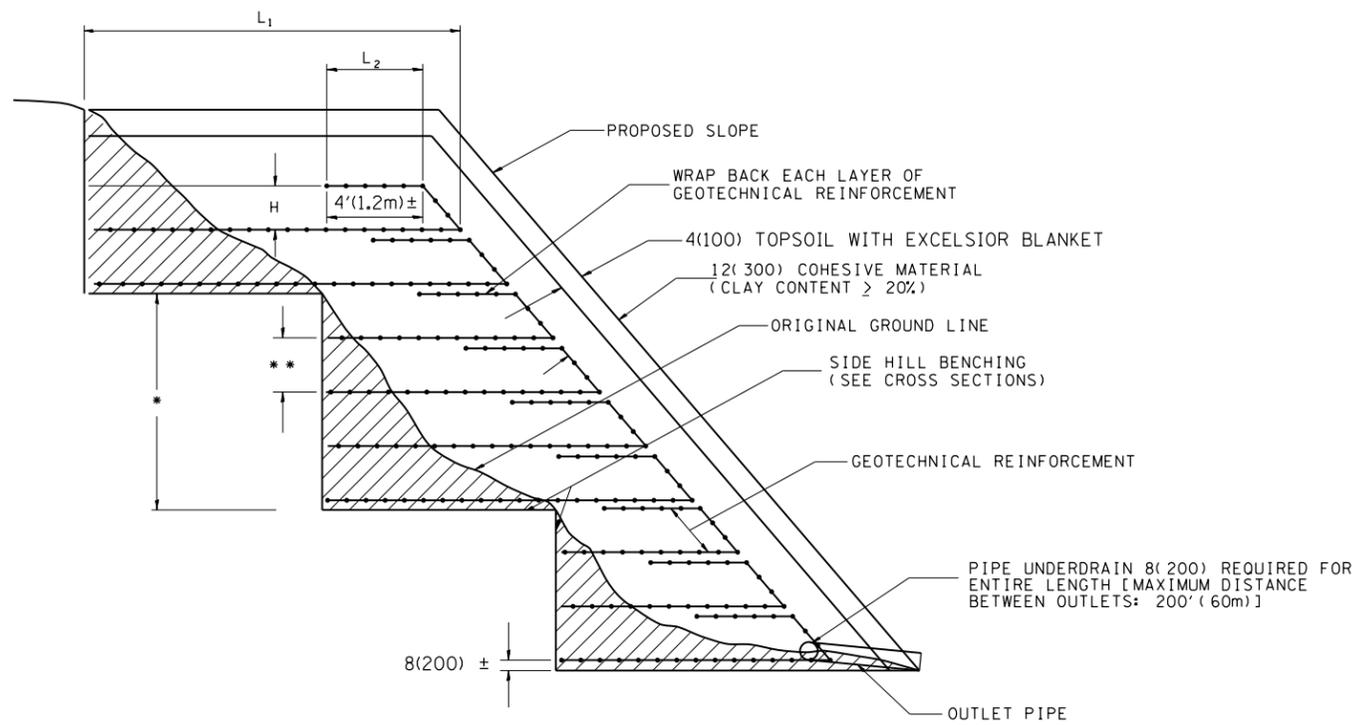
GUARDRAIL EROSION CONTROL TREATMENTS

NOT TO SCALE

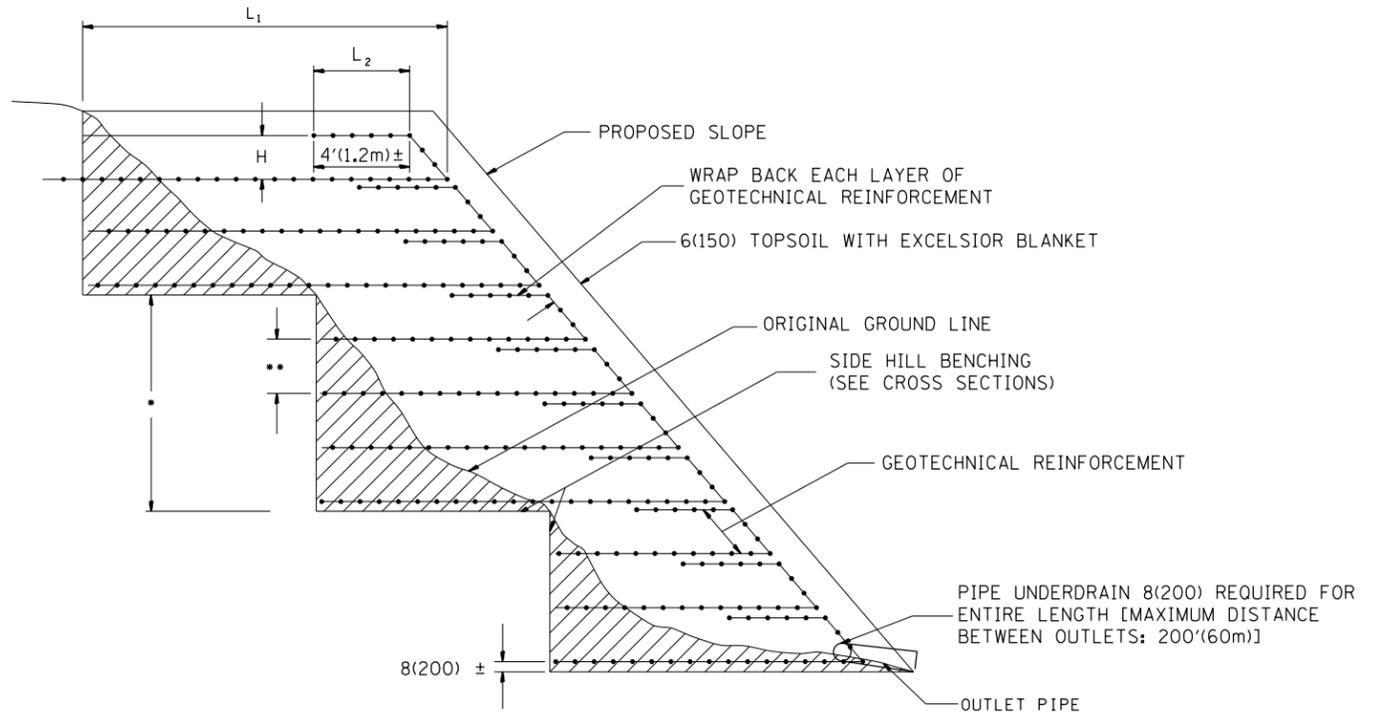
SHT. 2 OF 2
CADD STD. 630101-D4

F.A.I. 74	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
RTE. 1-74	(72-4)I-3	PEORIA	10	9
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 68C31		

DESIGNER NOTES: 1. CHECK WITH THE DISTRICT GEOTECHNICAL ENGINEER FOR USE OF THIS DRAWING AND FOR * AND ** VALUES IF NOT PROVIDED OR SHOWN IN PROJECT SOILS REPORT.
 2. USE DISTRICT SPECIAL PROVISION "GEOTECHNICAL REINFORCEMENT".
 3. ASSURE TREATMENT AREAS ARE SHOWN IN PLANS AND ON CROSS SECTIONS.
 4. INCLUDE SOIL BORINGS FOR TREATED AREAS.
 5. INCLUDE DISTRICT CADD DRAWING "SLOPE BENCHING DETAIL"



ALTERNATE I: BACKFILL WITH GRANULAR MATERIAL



ALTERNATE II: BACKFILL WITH COHESIVE MATERIAL

GEOTECHNICAL REINFORCEMENT LOCATIONS

STATION TO STATION	SIDE	SQ YDS (m) ²
TOTAL QUANTITY		

GENERAL NOTES:

- BENCHING:**
Shall be performed to the dimensions as shown on the plans and in accordance with the applicable portions of article 205.03 of the Standard Specifications.
- GEOTECHNICAL REINFORCEMENT:**
Shall be lapped up to and just below the next higher Geogrid Layer.

MEASUREMENT FORMULA
 $(L_1 + L_2 + H) \times \text{LENGTH CONSTRUCTED} = \text{PAYMENT AREA PER LAYER}$

All dimensions are in inches (millimeters) unless otherwise noted.