11-5-2021 LETTING ITEM 038

INDEX OF SHEETS

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- **COVER SHEET**
- GENERAL / JOB SPECIFIC NOTE
- STATUS OF UTILITIES
- **SUMMARY OF QUANTITIES**
- TYPICAL SECTION
- LINE DIAGRAM
- SCHEDULE OF QUANTITIES
- PROPOSED ROW
- **GUARDRAIL DETAIL**
- 11–13 CADD STANDARD
- 14-32 CROSS SECTIONS

HIGHWAY STANDARD

000001-08 630301-09

001006-00 701001-02

542001-06 701201-05

630001-12 701901-08

542301-03

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

PROPOSED HIGHWAY PLANS

FAP 622 ROUTE IL 97 SECTION (115)CLV,SLP PROJECT STP-UCC8(767) IMPROVEMENT CULVERT/SLOPE REPAIR **FULTON COUNTY**

C-94-046-18

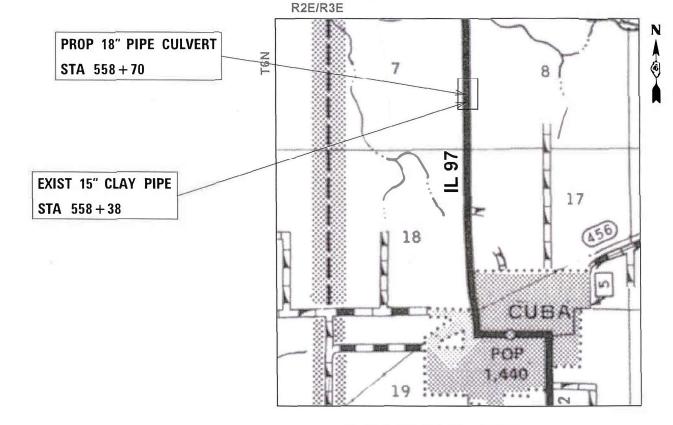
FUNCTIONAL CLASSIFICATION

MINOR ARTERIAL

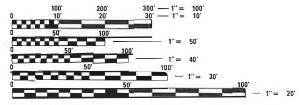
ADT 1100/2019

8.15% MU

SU 7.27%



GROSS LENGTH = 800 FT. = 0.15 MILE NET LENGTH = 800 FT. = 0.15 MILE



ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123 OR 811

PROJECT ENGINEER: ARLENE OTERO-FEBUS 309-671-3469 PROJECT MANAGER: NICOLE FAYANT 309-671-3454

CONTRACT NO. 68E12 CATALOG NO. 035590-00D PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

D-94-025-18

FULTON 32 1

CONTRACT NO. 68E12

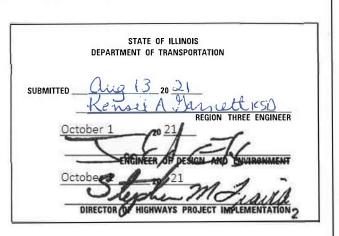
(115)CLV.SLP

622

RTE. IL 97



DESCRIPTION OF WORK: CULVERT PLACEMENT WITH SLOPE REPAIR ALONG IL 97, 1.0 MILE NORTH OF CUBA.



TREE REMOVAL - UTILITY RELOCATION

Tree removal may be necessary prior to utility companies being able to relocate their facilities outside the construction limits. The Contractor should coordinate any contract tree removal activities with the utility companies to eliminate conflicts and potential delays caused by utility tree removal activities or incomplete utility relocations.

COMMITMENTS

Commitments are not to be altered without the written approval of all parties to which the commitment was made. NO COMMITMENT IS MADE.

ENVIRONMENTAL REVIEWS

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run—arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource surveys for the proposed site.

Prior to any waste materials being removed from the construction site the required environmental resource surveys will need to be obtained and filed by the Contractor. Excess waste products removed from the construction site shall be disposed of as required in Section 202.03 of the Standard Specifications.

Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

The required environmental resource documentation shall include the following:

- * BDE Form 2289 (Environmental Survey Request)
- * BDE Form 2290 (Waste/Use Area Review)
- * A location map showing the size limits and location of the use area
- * Color photographs depicting the use area
- * Borrow Area Entry Agreement form-D4 PI0101

Please note that a minimum of four weeks shall be allowed for the District to obtain the required environmental clearances and six weeks for the required borrow site environmental clearances.

ORDERING LENGTH CONFIRMATION - DRAINAGE ITEMS

The Contractor shall consult with the Engineer in regard to the exact length of the box/pipe culverts, storm sewers, and/or pipe drains required prior to ordering these items.

CLEARING

At locations where clearing is indicated on the plans beyond the limits of the proposed excavation or embankment, the Contractor shall restore the disturbed earth by blading and shaping to blend with the adjacent ground. The clearing will not be paid for separately but shall be included in the cost of the excavation pay items in the plans. Payment for reseeding or resodding will be as provided in the plans.

TREE REMOVAL

The District Four Roadside Manager should be contacted and prior approval obtained for <u>any</u> tree removal beyond the limits/locations included in the plans.

RIGHT-OF-WAY MARKERS

When installing right-of-way markers, care shall be taken to not disturb any existing property/right-of-way pins. If a property/right-of-way pin is found at the location of a proposed right-of-way marker, the marker shall be placed one (1) foot in front of the pin.

SEEDING - SIDESLOPE RIPPING

All slopes steeper than 3 to 1 and over 15 ft. (4.5 m) in height shall be ripped. This shall consist of ripping between 18 inches to 24 inches (450 mm to 600 mm) deep normal to the slope. The interval of ripping along the slope shall be 12 ft. (3.6 m). This work shall be done after the seed bed has been prepared but before any fertilizer or seed has been applied. The fertilizer and seed shall be applied within a 24-hour period after the ripping has been done. This work will not be paid for separately but will be included in the cost of the various items of seeding involved.

FENCE REMOVAL

The Contractor shall notify the Property Owners prior the fence removal.

JOB SPECIFIC NOTE

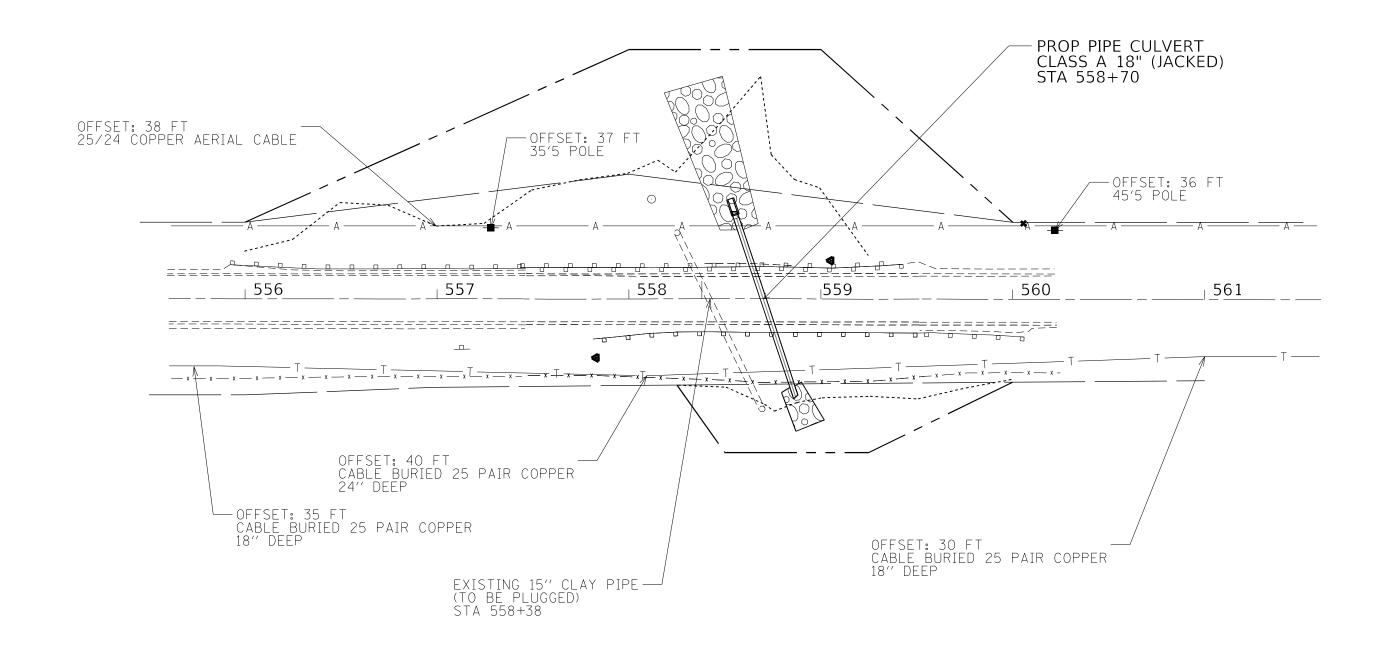
GUARDRAIL POSTS (EASTBOUND) = LT SIDE

From Sta. 559 + 39 to Sta. 558 + 39 all existing posts will be cut and left in place about one inch (1") below ground level.

Apply CADD Standard 205001-D4 (slope steps detail for soil fill ONLY)

F.A.P SECTION COUNTY SHEETS	ICCT	OF CHEET	CTA	т	O STA		. • .	I I	 CONTINACT	140, 002	
CENEDAL AND TOP SPECIFIC NOTES						RTF II	97		CONTRACT	NO 68E	4
F.A.P SECTION COUNTY SHEETS	GENEKAI	AND JOB SH	ECIFIC	NOTES		622	(115)CL	V,SLP	FULTON	32	
TOTAL	05115041	4ND 10D 0		NOTEO			SEC ⁻	TION	COUNTY	TOTAL SHEETS	Ş





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PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION							IL RTE. 97		CONTRACT NO.		3E12	
PLOT DATE = \$DATE\$	DATE -	REVISED -		SCALE:	SHEET 1	OI	F 1	SHEETS	STA.	TO STA.		ILLINOIS FED. A	D PROJECT		

CONSTR. CODE 80% FEDERAL 20% STATE

	T			20% STATE
				PIPE CULVERT
CODE			TOTAL	0010
NO.	ITEM	UNIT Q	JANTITY	RURAL
20100500	TREE REMOVAL, ACRES	ACRE	0.2	0.2
20200100	EARTH EXCAVATION	CU YD	322	322
20400800	FURNISHED EXCAVATION	CU YD	761	761
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	809	809
25000210	SEEDING, CLASS 2A	ACRE	0.2	0.2
23000210	SELDING, CLASS ZA	ACKE	0.2	0.2
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	15	15
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	15	15
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	15	15
25100115	MULCH, METHOD 2	ACRE	0.2	0.2
25100630	EROSION CONTROL BLANKET	SQ YD	809	809
25200200	SUPPLEMENTAL WATERING	UNIT	4.9	4.9
28100825	STONE DUMPED RIPRAP, CLASS B3	TON	10	10
28100830	STONE DUMPED RIPRAP, CLASS B4	TON	1809	1809
542 JA018	PIPE CULVERTS, CLASS A 18" (JACKED)	FOOT	104	104
			F.A.P.	SECTION

SCALE:

USER NAME = \$USER\$	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = \$DATE\$	DATE -	REVISED -

	CHANARY OF CHANTITIES							SECTION	COUNTY	COUNTY TOTAL SHEETS		
	SUMMARY OF QUANTITIES						622	(115)CLS,SLP	FULTON	34	4	
	SHEET 1 OF 2 SHEETS STA. TO STA.								CONTRAC	CONTRACT NO. 68E12		
								ILLINOIS FED.	AID PROJECT			

CONSTR. CODE
80% FEDERAL
20% STATE
PIPE CULVERT

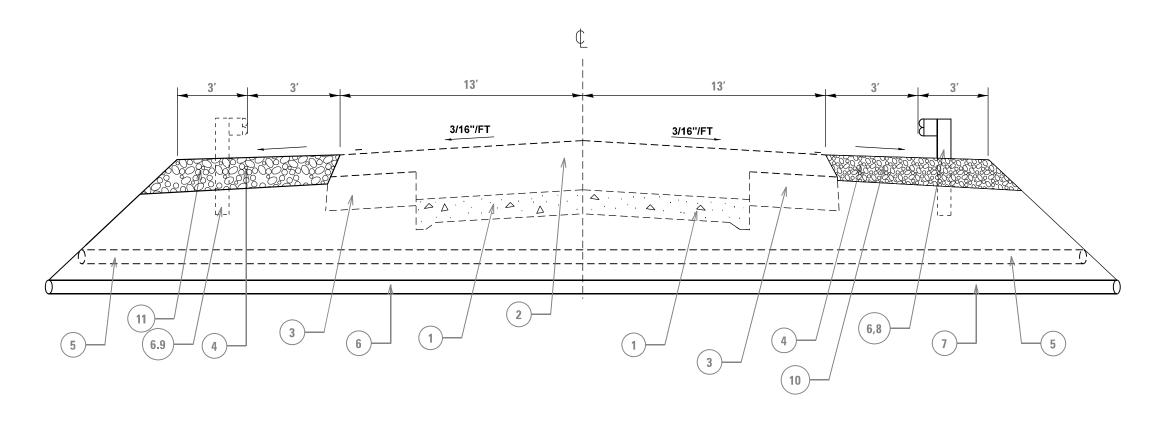
	T.	T		20% STATE
				PIPE CULVER
CODE			TOTAL	0010
NO .	ITEM	UNIT	QUANTITY	RURAL
•				
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	1
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	325	325
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2
63200310	GUARDRAIL REMOVAL	FOOT	573	573
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	2	2
67100100	MOBILIZATION	L SUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	14	14
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	2
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	5	5
X6650202	WOVEN WIRE FENCE REMOVAL	FOOT	425	425
X6660117	REMOVE AND REERECT RIGHT OF WAY MARKERS	EACH	8	8
Z0001002	GUARDRAIL AGGREGATE EROSION CONTROL	TON	68	68
Z0041500	PLUG EXISTING CULVERTS	EACH	2	2

*= SPECIALTY ITEM

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	DRAWN -	REVISED -
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PLOT DATE = \$DATE\$	DATE -	REVISED -

STATI	E 0	F ILLINOIS
DEPARTMENT	0F	TRANSPORTATION

	R					F.A.P. SECTION				COUNTY	TOTAL
	SUMMARY OF QUANTITIES					622 (115)CLS,SLP				FULTON	34
								CONTRACT	NO. 6		
CALE:	SHEET 2	OF 2	SHEETS	STA.	TO STA.			ILLINOIS	FED. Al	ID PROJECT	



<u>TYPICAL SECTION</u>
STA 555 + 75 TO STA 560 + 00

EXISTING

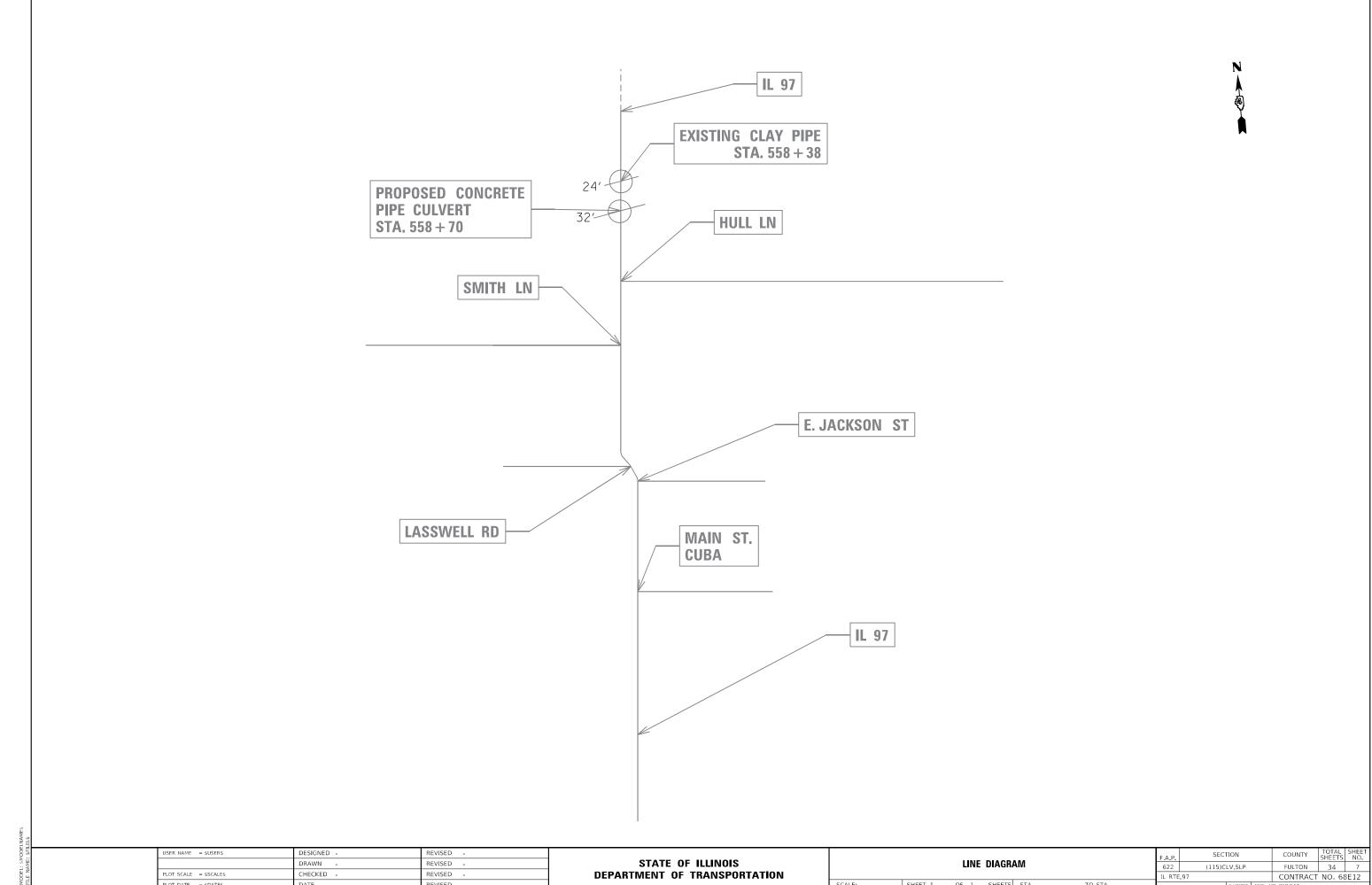
- 1. PCC PAVEMENT
- 2. HMA OVERLAY
- 3. HMA BSE CSE WIDENING
- 4. AGG SHLD, TYPE B
- 5. 15" CLAY PIPE STA. 558 + 75, SKEW ANGLE 48 DEG
- 6. GUARDRAIL

PROPOSED

- 7. PIPE CULVERTS, CLASS A 18" (JACKED) STA. 558 + 70, SKEW ANGLE 48 DEG
- 8. GUARDRAIL REPLACEMENT
- 9. GUARDRAIL REMOVAL
- 10. STONE DUMP RIPRAP RR3, RR4
- 11. AGGREGATE SHOULDER TYPE B

NOT TO SCALE

USER NAME = \$USER\$	DESIGNED -	REVISED -							FAP	SECTION	COUNTY	TOTAL SHEET
	DRAWN -	REVISED -	STATE OF ILLINOIS			TYPICAL SECT	ΓΙΟΝ		622	(115)CLV,SLP	FULTON	34 6
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION						IL RTE, 9	97	CONTRACT	T NO. 68E12
PLOT DATE = \$DATE\$	DATE -	REVISED -		SCALE:	SHEET 1	OF 1 SHEETS	STA.	TO STA.		ILLINOIS FED. AI	D PROJECT	



SCALE:

SHEET 1

OF 1 SHEETS STA.

TO STA.

PLOT DATE = \$DATE\$

DATE

REVISED -

MOBILIZATION								
LOCATION	L SUM							
JOBSITE	1							

CHANGEABLE MESSAGE SIGN						
LOCATION	CAL DAYS					
JOBSITE	14					

ENGINEER'S FIELD OFFICE	, TYPE A
LOCATION	CAL MO
JOBSITE	2

TRAFFIC CONTROL AND PROTECTION					
	STANDARD				
LOCATION	71201				
	L SUM				
JOBSITE	1				

EARTHWORK SCHEDULE								
	EARTH	FURNISHED						
LOCATION	EXCAVATION	EXCAVATION						
	CU YD	CU YD						
STA 556+00 TO STA 560+00	322	761						
TOTAL	322	761						

TREE REMOVAL	
LOCATION	ACRE
JOBSITE	0.2

GRADING & SHAPING FOR	ESLOPES
LOCATION	SQ YD
WEST BOUND	1300
EAST BOUND	2639
TOTAL	3939

SUPPLEMENTAL WATERING						
LOCATION UNIT						
JOB SITE	0.2					
TOTAL	0.2					

WOVEN WIRE FENCE REMOVAL							
	LOCATION				SIDE	FOOT	
STA	555+75	TO	STA	560+00	WB	425	
	TOTAL					425	

REMOVE & RE-ERECT ROW MARKERS										
LOC	CATION	LEFT	RIGHT	OFFSET	EACH					
		(EB)	(WB)	FOOT						
STA	556+00	1		40	1					
STA	558+00	1		130	1					
STA	558+25		1	44.93	1					
STA	558+50		1	80	1					
STA	559+00	1		130	1					
STA	559+25		1	80	1					
STA	560+00		1	43.5	1					
STA	560+20	1		40	1					
		8								

Landscaping Schedule										
TOPSOIL NITROGEN PHOSPHOROUS POTASSIUM EROSION SUPPLEMENTA										
LOCATION	SIDE	FURNISH &	SEEDING	FERTILIZER	FERTILIZER	FERTILIZER	MULCH	CONTROL	WATERING	
		PLACE, 4"	CLASS 2A	NUTRIENT	NUTRIENT	NUTRIENT	METHOD 2	BLANKET	3 APPLICATIONS	
		SQ YD	ACRE	POUND	POUND	POUND	ACRE	SQ YD	UNIT	
STA 556+00 TO STA 558+25	EB	394.8	0.1	7.3	7.3	7.3	0.1	395	2.4	
STA 558+00 TO STA 560+00	WB	415	0.1	7.7	7.7	7.7	0.1	415	2.5	
TOTAL		809	0.2	15	15	15	0.2	809	4.9	

GUARDRAIL SCHEDULE											
					SPBG	TBT	GUARDRAIL	GUARDRAIL	TERMINAL		
		LENGTH	LENGTH	GUARDRAIL	TYPE A,	TYPE 1 (SPL)	AGG	REFLECTORS,	MARKER		
LOCATION	SIDE		OF NEED	REM	9 FT POSTS	TANGENT	EROSION	TYPE A	DIRECT		
							CONTROL		APPLIED		
	EB/WB	FOOT	FOOT	FOOT	FOOT	EACH	TON	EACH	EACH		
STA 559+83 TO STA 555+83	EB	400	320	343	325	2		5	2		
STA 556+00 TO STA 558+25	EB	225					59				
STA 559+00 TO STA 559+25	EB	25					9				
STA 557+81 TO STA 560+11	WB	230		230							
	TOTAL			573	325	2	68	5	2		

	STONE DUMP RIPRAP SCHEDULE								
				CLASS	CLASS				
LOCATION						В3	В4		
				TON	TON				
STA	558+50	TO	STA	558+75	WB	10			
STA	558+25	TO	STA	559+50	EB		1809		
			TOT	10	1809				

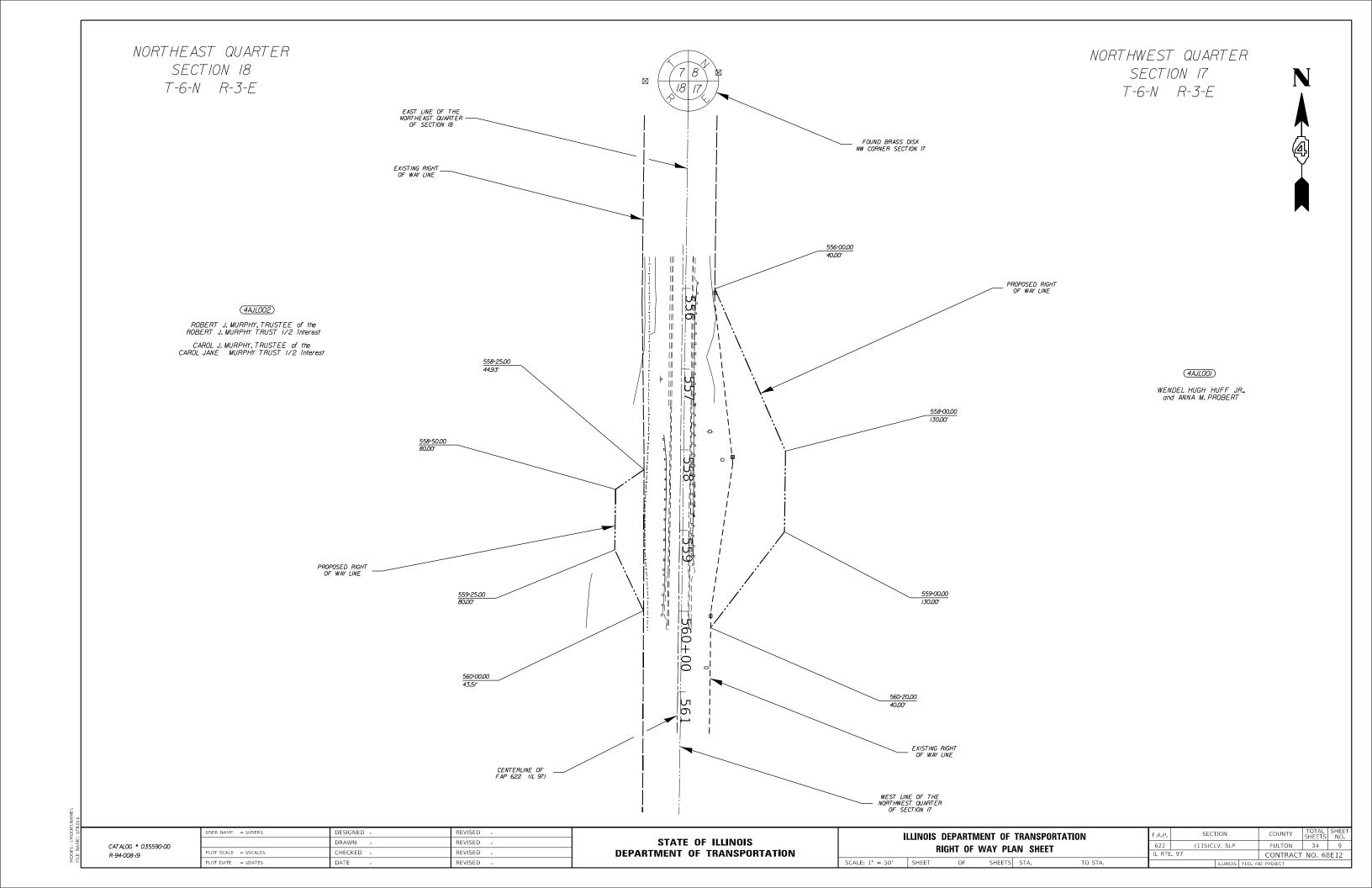
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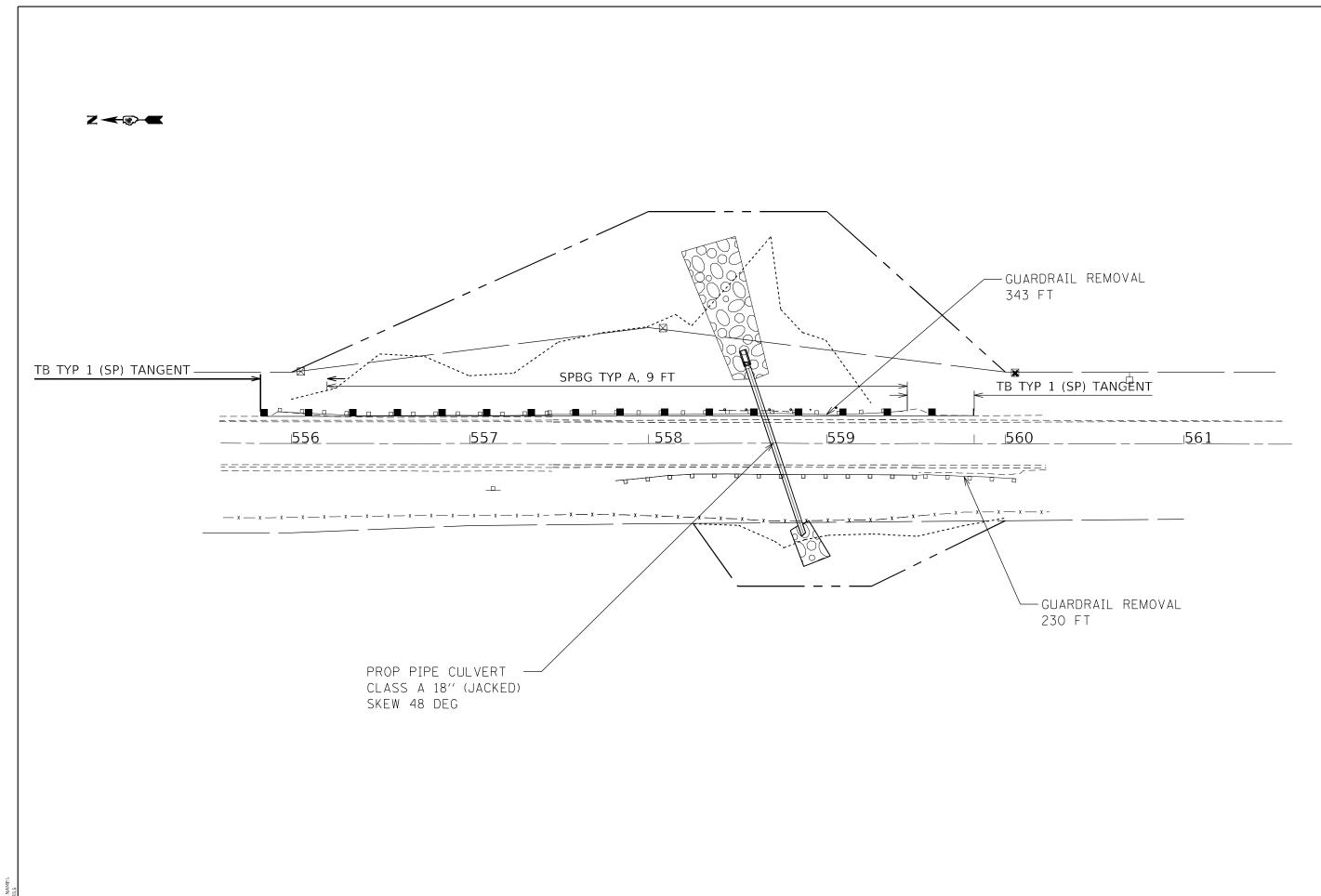
PIPE CULVERT SCHEDULE										
	PIPE CULVER	PRC FLARED	PLUG							
LOCATION	CLASS A	END SECTION	EXISTING							
	18" JACKED	18"	CULVERT							
	FT	EACH	EACH							
STA 558+38			2							
STA 558+70	104	1								
TOTAL	104	1	2							

MODEL: SMODELNAMES FILE NAME: \$FILEL\$

USER NAME = \$USER\$	DESIGNED -	REVISED -	
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								SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	SC	HED	ULE	OF QUA	ANTITIES	622	(115)CLV,SLP	FULTON	34	8	
								. 97	CONTRA	CT NO. 6	8E12
	SHEET 1	OF	1	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				





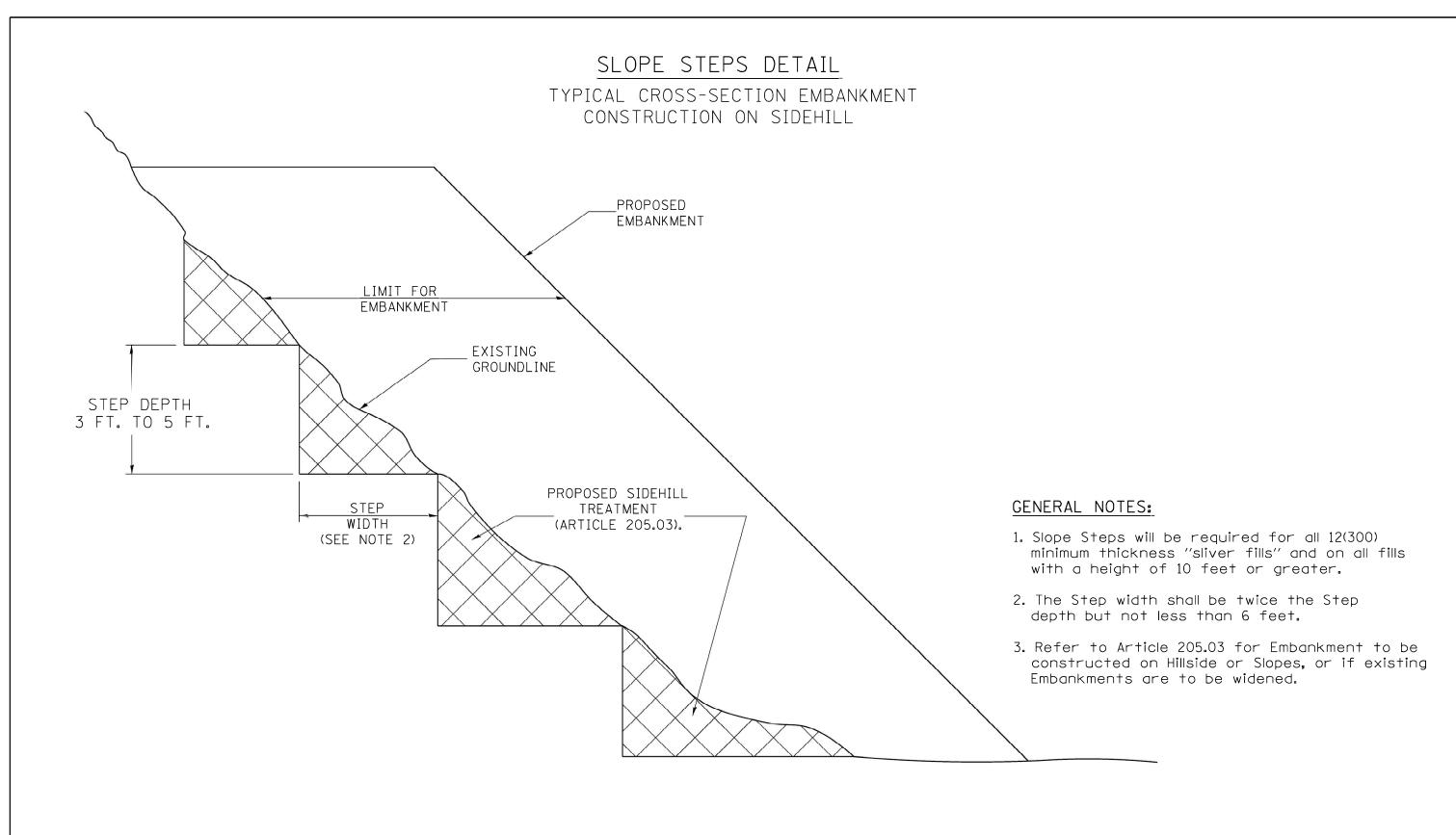
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



REPLACEMENT MATERIAL:

STANDARD EMBANKMENT (IN ACCORDANCE WITH

205 OF THE STANDARD SPECIFACATION).

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

1-1-97 RENUM. L-5.03, NEW REVISION BOX, REVISED TITLE T.P.				F.A.P	SECTION	COUNTY TOTAL SHEET NO.
BOX, REVISED GENERAL NOTES.	STATE OF ILLINOIS	SLOPE STEPS DETAIL		622	(115)CLV,SLP	FULTON 34 11
10-16-06 REVISED TO 2007 SPEC. M.A.	DEPARTMENT OF TRANSPORTATION			IL RTE. 97	·	CONTRACT NO. 68E12
5-30-18 MINOR CORRECTION R.D.		NOT TO SCALE	CADD STD. 205001-D4	FED. ROAD DIST.	NO. ILLINOIS FED. AI	

COLLARS FOR BURIED 님 REGATE EROSION CCNTROL" AT GUARDRAIL INSTALLATIONS WHERE GRADES ARE EQLAL TO OR GREATER THAN 1% AND AT INLETS, UNCLUDE DISTRICT REGATE EROSION CCNTROL" AT GUARDRAIL INSTALLATIONS WHERE GRADES ARE LESS THAN 1% (INCLUDE DISTRICT SPECIAL PROVISION). IT APPLICABLE.

INC. DISTRICT STANDARD AS NEEDED: SLOPE DRAINS FOR EXPOSED PIPES, SLOPE DRAINS FOR BURIED PIPES, SEEPAGE COLLARS FOINTS CONCRETE THRUST BLOCKS AND PIPE ELBOW.

PECIAL PROVISION - "AGGREGATE QUALITY" FOR PROJECTS LOCATED IN THE WESTERN AREA OF THE DISTRICT - APPROX. DIVIDING LINE IS ITS WHEN INSERTING INTO PLAN FILES.

USE OF PIPE QUITE TING DAINT PROFILES.

IS PAID FOR ONT OF FORESLOPE WITH RIPRAP. USE NON-METALLIC PIPE WHEN POSSIBLE RECAUSE AS INTERIOR AND PARTALLIC PIPE WHEN POSSIBLE RECAUSE AS INTERIOR.

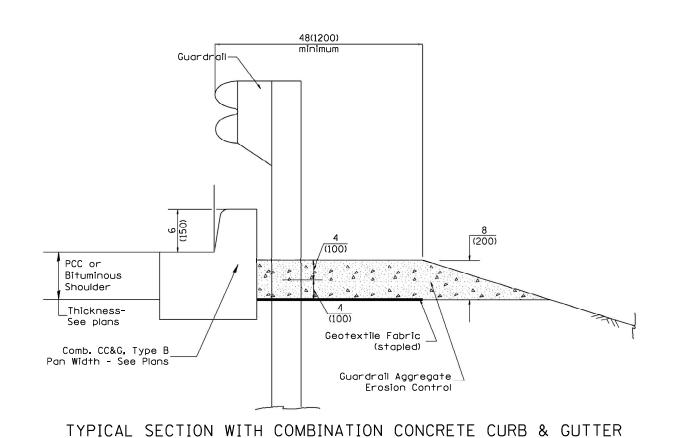
03-07-11 ADDED DETAIL SHOWING PLAN VIEW

08-10-12 REVISED CURB "B" AND AGGREGATE

07-15-15 ADDRESSED SHOULDER INLET CURB

01-26-17 REVISED

PIPES



5-30-18 CHANGE B CURB TO CC&G

07-16-19 SPELLING CORRECTIONS

R.D.

R.D.

R.D.

R.D.

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.

unless otherwise noted.

622

SHT. 1 OF 2 IL RTE. 97 CONTE CADD STD. 630101-D4 FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT

SECTION

(115)CL V,SLP

COUNTY

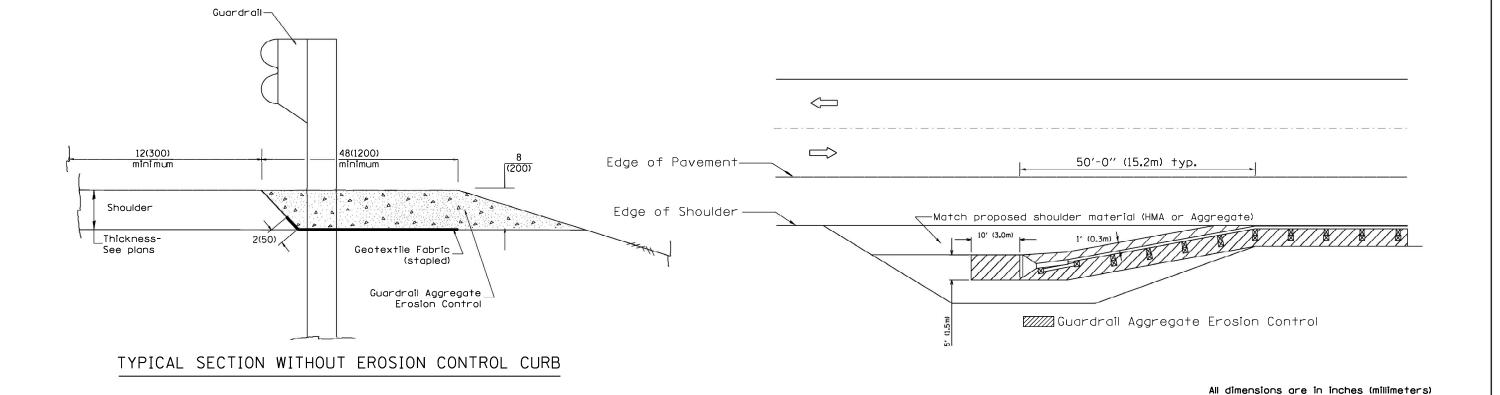
FULTON 34 12

CONTRACT NO. 68E12

- 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.

GUARDRAIL EROSION CONTROL TREATMENTS

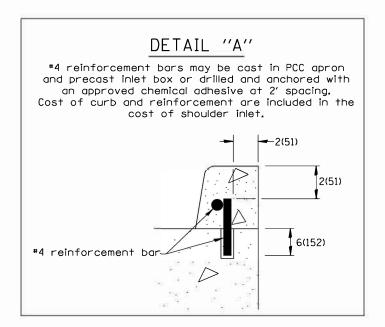
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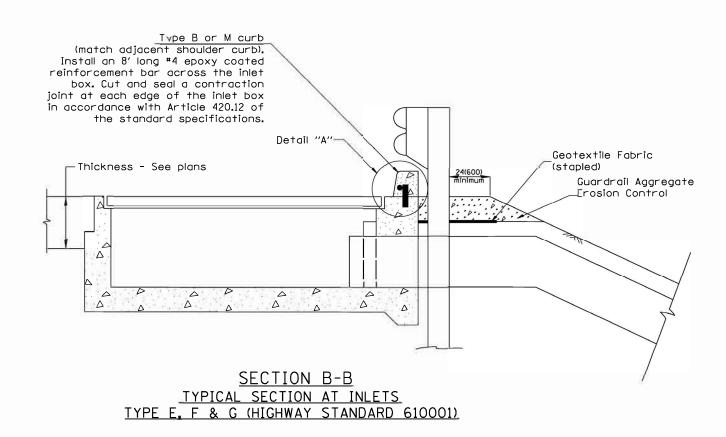


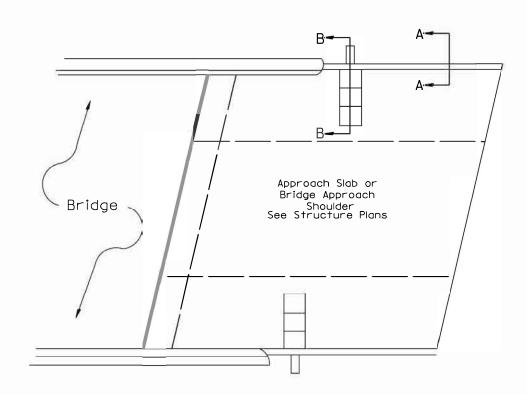
STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

R.D.

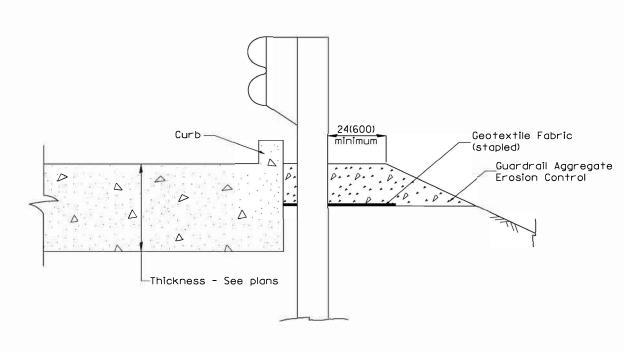






PLAN VIEW

APPROACH SLAB OR SHOULDER PLACEMENT



SECTION A-A

TYPICAL SECTION WITH BRIDGE APPROACH CURB

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

								F.A.P	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
						STATE OF ILLINOIS	GUARDRAIL EROSION CONTROL TREATMENTS	622	(115)CLV,SLP	FULTON	34 13
		_11				DEPARTMENT OF TRANSPORTATION	SHT. 2 OF	2 IL RTE. 9	7	CONTRAC	T NO. 68E12
	i i	11	i i		i j		NOT TO SCALE CADD STD. 630101-	14 FED. ROAD	DIST. NO. I LLINOISFED. A	ID PROJECT	

