

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

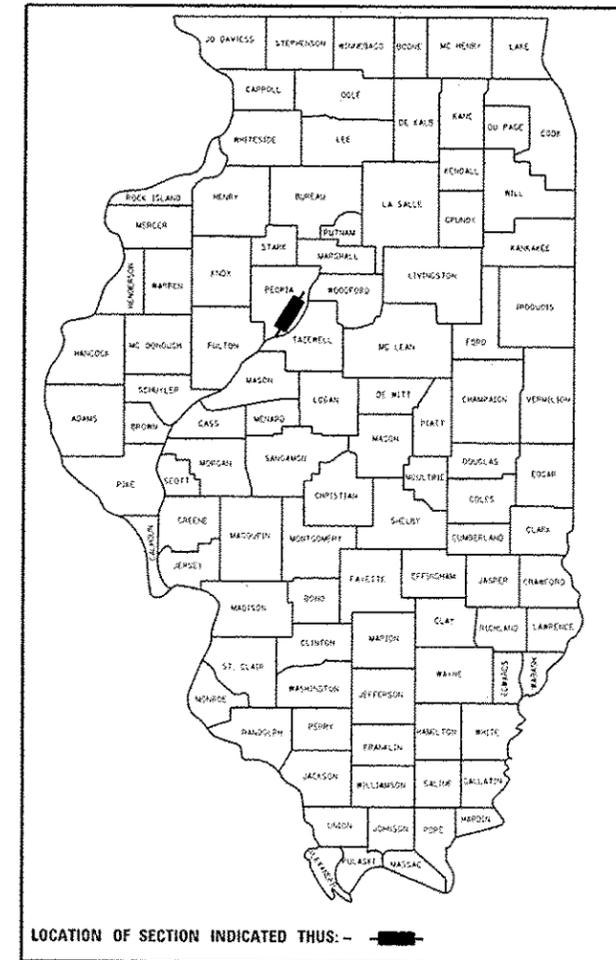
PROPOSED
HIGHWAY PLANS

FAP ROUTE 317 (US 24)
SECTION 46-1-4

CONTRACT MAINTENANCE
PEORIA COUNTY
C-94-006-15

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	46-1-4	PEORIA	29	1
ILLINOIS			CONTRACT NO. 68C23	

D-94-004-15



INDEX OF SHEETS

1. COVER SHEET
- 2.-3. COMMITMENTS/GENERAL NOTES/JOB SPECIFIC NOTES
4. STATUS OF UTILITIES
- 5.-6. SUMMARY OF QUANTITIES
- 7.-10. TYPICAL SECTIONS
- 11.-13. SCHEDULES OF QUANTITIES
14. PROPOSED HMA REMOVAL DETAIL
15. GUARDRAIL EROSION CONTROL DETAIL
16. PLAN VIEW, BENCHMARKS AND RECOVERY TIES
- 17.-23. CROSS SECTIONS
- 24.-29. DISTRICT STANDARDS

HIGHWAY STANDARDS

- 280001-07
- 630001-10
- 701101-05
- 701106-02
- 701422-08
- 701901-05
- 780001-05

DISTRICT STANDARDS

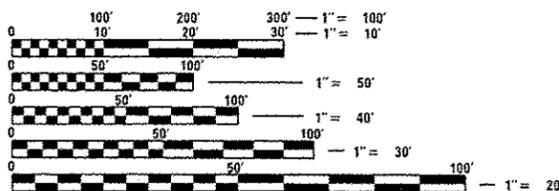
- 205001-D4
- 406101-D4
- 780001-D4

DESIGN DESIGNATION

- OTHER ARTERIAL
- ADT 15,700 (2013)
- SU 2.07% (2013)
- MU 5.73% (2013)

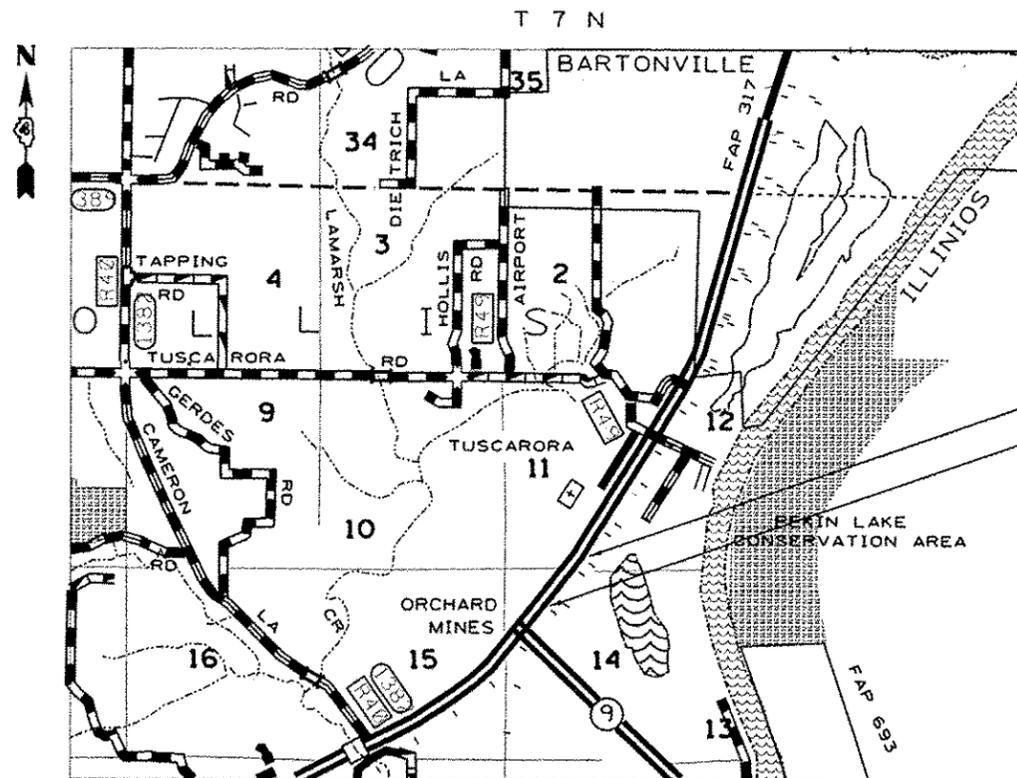
PROJECT DESCRIPTION

WORK ON THIS PROJECT CONSISTS OF SHOULDER REPAIR,
SLOPE GRADING AND GUARDRAIL REPLACEMENT



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 BEGINS
STA. 239+04
PROJECT ENDS
STA. 244+32

PROJECT ENGINEER: CHRISTOPHER MAUSHARD (309)671-3453
PROJECT MANAGER: MIKE MOHAMED (309)671-3462
CONTRACT NO. 68C23
CATALOG NO. 035087-00D

GROSS LENGTH = 528.00 FT. = 0.10 MILE
NET LENGTH = 528.00 FT. = 0.10 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED May 19, 2016

James A. James
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Maureen M. Addis, PE
ENGINEER OF DESIGN AND ENVIRONMENT

Cher 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 COMMITMENTS HAVE BEEN MADE ON THIS PROJECT.

GENERAL NOTES

AVAILABILITY OF ELECTRONIC FILES

MICRO STATION AND GEOPAK FILES OF THIS PROJECT WILL BE MADE AVAILABLE TO THE CONTRACTOR AFTER CONTRACT AWARD. IF THERE IS A CONFLICT BETWEEN THE ELECTRONIC FILES AND THE PRINTED CONTRACT PLANS AND DOCUMENTS, THE PRINTED CONTRACT PLANS AND DOCUMENTS SHALL TAKE PRECEDENCE OVER THE ELECTRONIC FILES. THE CONTRACTOR SHALL ACCEPT ALL RISK ASSOCIATED WITH USING THE ELECTRONIC FILES AND SHALL HOLD THE DEPARTMENT HARMLESS FOR ANY ERRORS OR OMISSIONS IN THE ELECTRONIC FILES AND THE DATA CONTAINED THEREIN. ERRORS OR DELAYS RESULTING FROM THE USE OF THE ELECTRONIC FILES BY THE CONTRACTOR SHALL NOT RESULT IN AN EXTENSION OF TIME FOR ANY INTERIM OR FINAL COMPLETION DATE OR SHALL NOT BE CONSIDERED CAUSE FOR ADDITIONAL COMPENSATION. THE CONTRACTOR SHALL NOT USE, SHARE, OR DISTRIBUTE THESE ELECTRONIC FILES EXCEPT FOR THE PURPOSE OF CONSTRUCTING THIS CONTRACT. ANY CLAIMS BY THIRD PARTIES DUE TO USE OR ERRORS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL INCLUDE THIS DISCLAIMER WITH THE TRANSFER OF THESE ELECTRONIC FILES TO ANY OTHER PARTIES AND SHALL INCLUDE APPROPRIATE LANGUAGE BINDING THEM TO SIMILAR RESPONSIBILITIES.

PLAN ELEVATIONS – U. S. G. S. MEAN SEA LEVEL DATUM

ALL ELEVATIONS SHOWN ON THE PLANS ARE ESTABLISHED FROM U. S. G. S. MEAN SEA LEVEL DATUM.

SEEDING – SIDE SLOPE 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.

ENGINEERS FIELD OFFICE

ADD THE FOLLOWING SENTENCE TO THE END OF PARAGRAPH 670.02 (I) AND 670.04 (E):
ALL OF THE TELEPHONE LINES PROVIDED SHALL HAVE UNPUBLISHED NUMBERS.

GENERAL NOTES (CONTINUED)

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.

FILE NAME : 0468C23-ALL SHEETS 5-17-2016.dgn	USER NAME : aubrugga	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE : 200.0000 ' / in.	DRAWN -	REVISED -		317	46-1-4	PEORIA	29	2					
	PLOT DATE : 5/20/2016	CHECKED -	REVISED -		SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.		CONTRACT NO. 68C23			ILLINOIS FED. AID PROJECT				

Status of Utilities

AT&T

8515 Industrial Drive
 Nathan Ciota
 309-686-3333, Mob.: 309-530-6844

Route	Offset	Location	Type of Utility	Type of Conflict	Disposition
US 24	UNKNOWN	STA. 239+04 TO 244+32	BURIED TELEPHONE	FORESLOPE	RELOCATION

US Signal

201 Ionia Ave SW
 Grand Rapids, MI 49428
 Charlie Olszewski
 616-233-7191, Mob.: 616-437-8999

Route	Offset	Location	Type of Utility	Type of Conflict	Disposition
US 24	UNKNOWN	STA. 239+04 TO 244+32	FIBER OPTIC	FORESLOPE	CAUTION & VERIFY

NOTE: Please check all your facilities within the construction limits of this project.

SUMMARY OF QUANTITIES

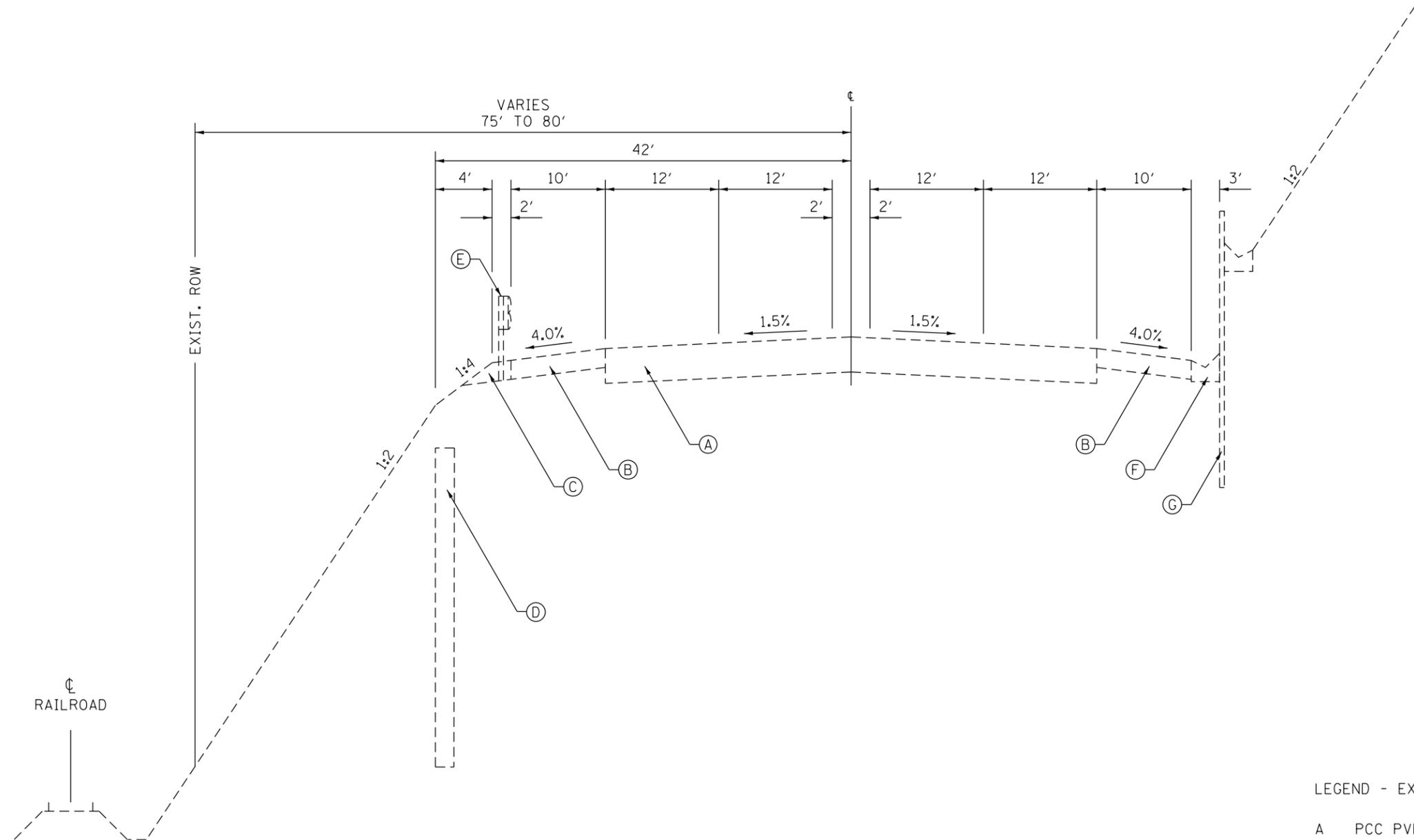
CONTRACT
MAINTENANCE

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				ROADWAY
				0021
20400800	FURNISHED EXCAVATION	CU YD	548	548
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1,137	1,137
25000300	SEEDING, CLASS 3	ACRE	0.25	0.25
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	23	23
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	23	23
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	23	23
25100630	EROSION CONTROL BLANKET	SQ YD	1,100	1,100
280000400	PERIMETER EROSION BARRIER	FOOT	528	528
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	445	445
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	22	22
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	409	409
44004250	PAVED SHOULDER REMOVAL	SQ YD	80	80
48203100	HOT-MIX ASPHALT SHOULDERS	TON	110	110
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	537.5	537.5
63200310	GUARDRAIL REMOVAL	FOOT	537.5	537.5

15

* SPECIALTY ITEM

FILE NAME : 0458C23-ALL SHEETS 5-17-2016.dgn	USER NAME : aubrayga	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A. RTE. 317	SECTION 46-1-4	COUNTY PEORIA	TOTAL SHEETS 29	SHEET NO. 5
Default	PLOT SCALE : 200.0000' / in.	CHECKED -	REVISED -	SCALE:	SHEET 1 OF 2 SHEETS	STA.	TO STA.	CONTRACT NO. 68C23 <small>(ILLINOIS) FED. AID PROJECT</small>		
	PLOT DATE : 5/20/2016	DATE -	REVISED -							



US 24 EXISTING TYPICAL SECTION

STA. 239+04 TO STA. 244+32

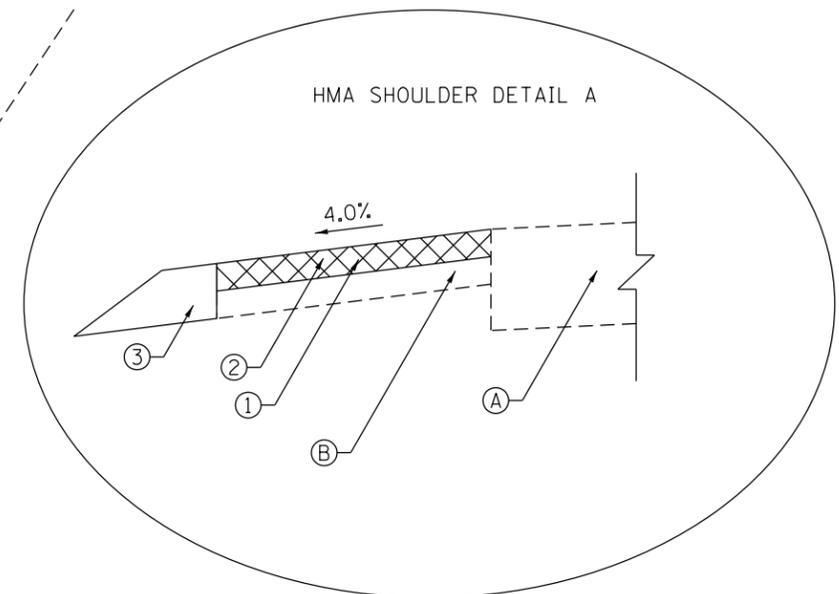
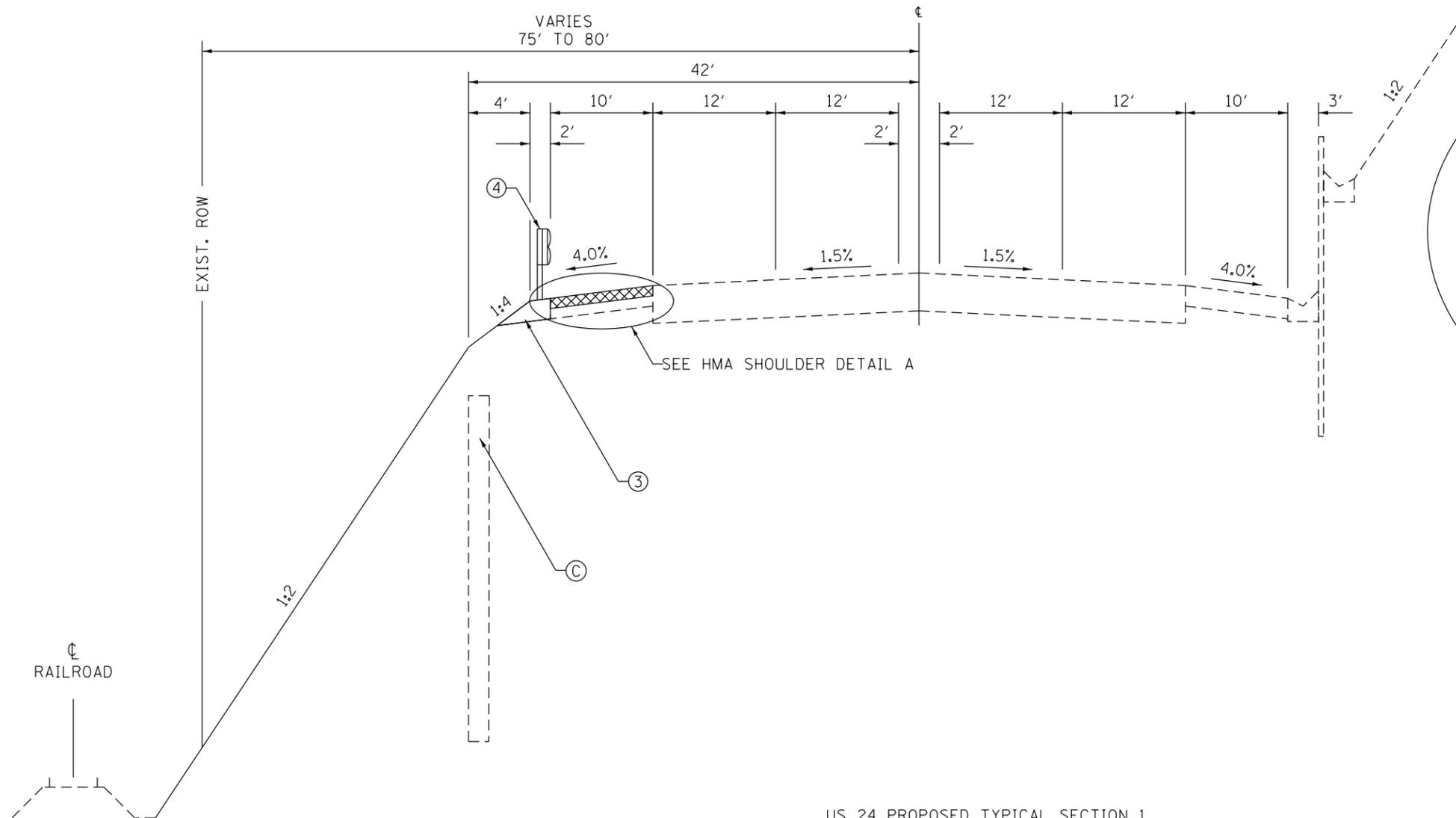
NOTES:

•DRILLED SHAFTS EXIST STA. 239+04 LT TO STA. 242+00 LT

LEGEND - EXISTING

- A PCC PVMT AND HMA OVERLAY, 10 1/4"
- B HMA SHOULDER, 8"
- C GR AGG EROSION CONTROL
- D DRILLED SHAFTS (TO REMAIN)
- E GUARDRAIL
- F CONC. GUTTER, TY A (MODIFIED)
- G RETAINING WALL

FILE NAME = D468C23-ALL SHEETS 5-17-2016.dgn	USER NAME = aubreys	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 200.0000' / in.	CHECKED -	REVISED -					317	46-1-4	PEORIA	29	7
Default	PLOT DATE = 5/20/2016	DATE -	REVISED -	NOT TO SCALE SHEET 1 OF 2 SHEETS STA. 239+04 TO STA. 244+32			ILLINOIS FED. AID PROJECT CONTRACT NO. 68C23					



US 24 PROPOSED TYPICAL SECTION 1

STA. 239+04 TO STA. 240+12
 STA. 242+52 TO STA. 242+82

NOTES:
 •DRILLED SHAFTS EXIST STA. 239+04 LT TO STA. 242+00 LT

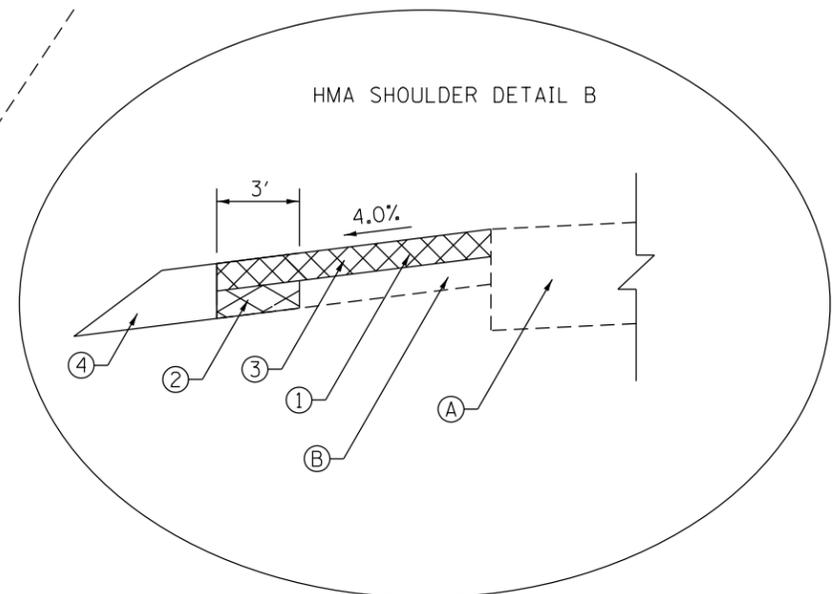
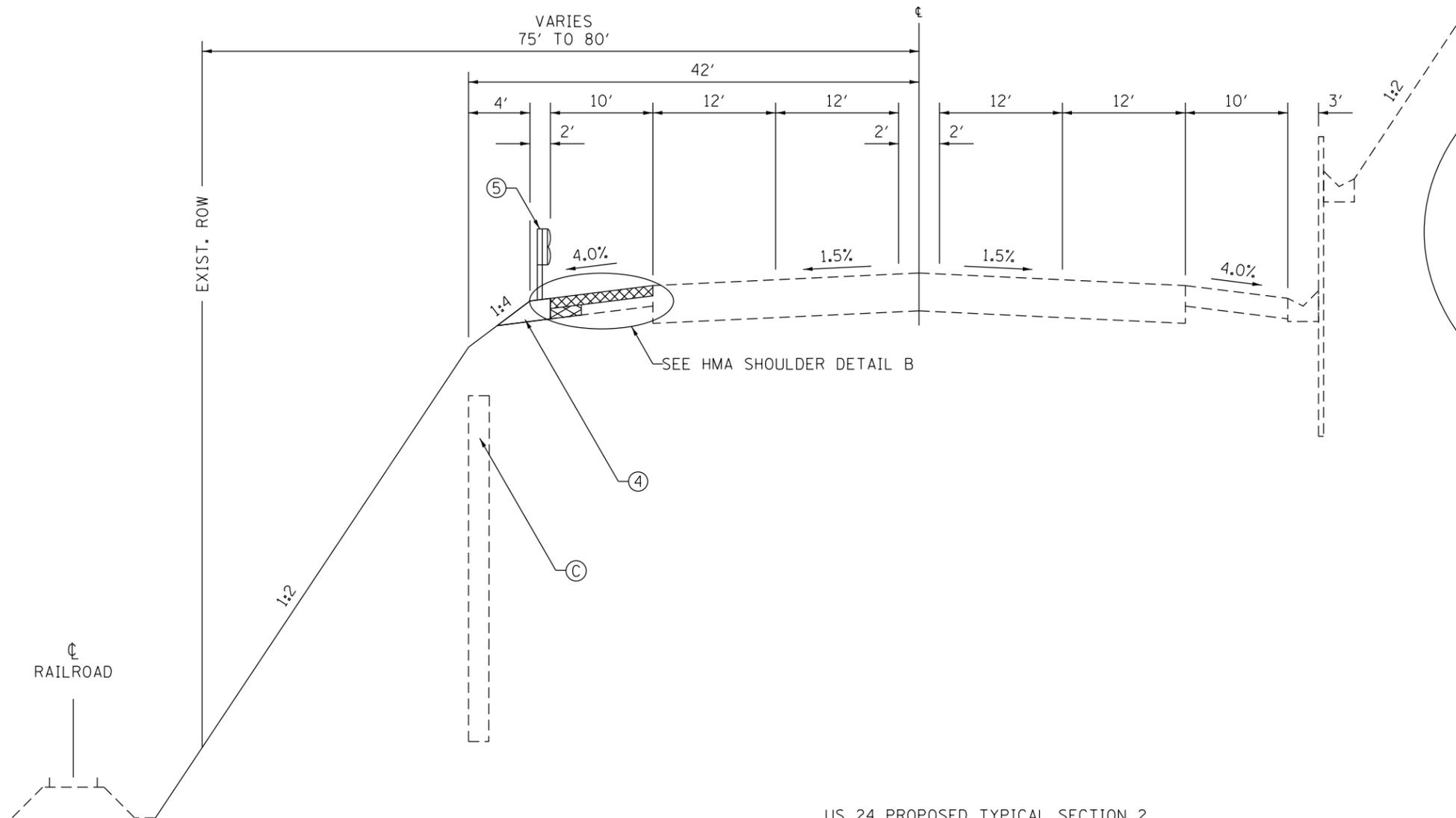
LEGEND - PROPOSED

- 1 HMA SURF. REMOVAL, 2"
- 2 HMA SHOULDER (TON)
- 3 GR AGG EROSION CONTROL
- 4 SPB GUARDRAIL, TY A 9 FT POSTS

LEGEND - EXISTING

- A PCC PVMT AND HMA OVERLAY, 10 1/4"
- B HMA SHOULDER, 8"
- C DRILLED SHAFTS (TO REMAIN)

FILE NAME = D468C23-ALL SHEETS 5-17-2016.dgn	USER NAME = aubreygs	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 200.0000' / in.	DRAWN -	REVISED -					317	46-1-4	PEORIA	29	8
Default	PLOT DATE = 5/20/2016	CHECKED -	REVISED -	NOT TO SCALE SHEET 2 OF 2 SHEETS STA. 239+04 TO STA. 244+32			CONTRACT NO. 68C23					
							ILLINOIS FED. AID PROJECT					



US 24 PROPOSED TYPICAL SECTION 2

STA. 240+12 TO STA. 242+52

NOTES:

•DRILLED SHAFTS EXIST STA. 239+04 LT TO STA. 242+00 LT

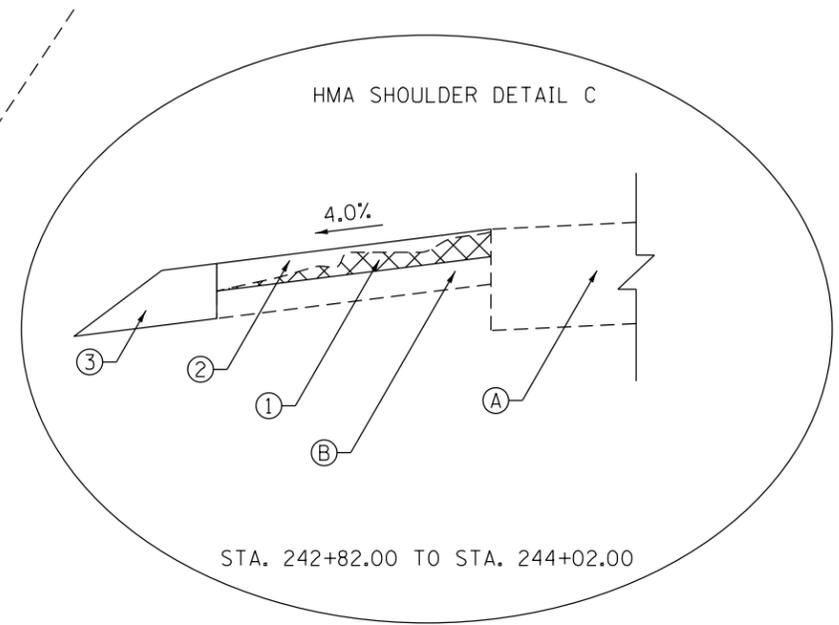
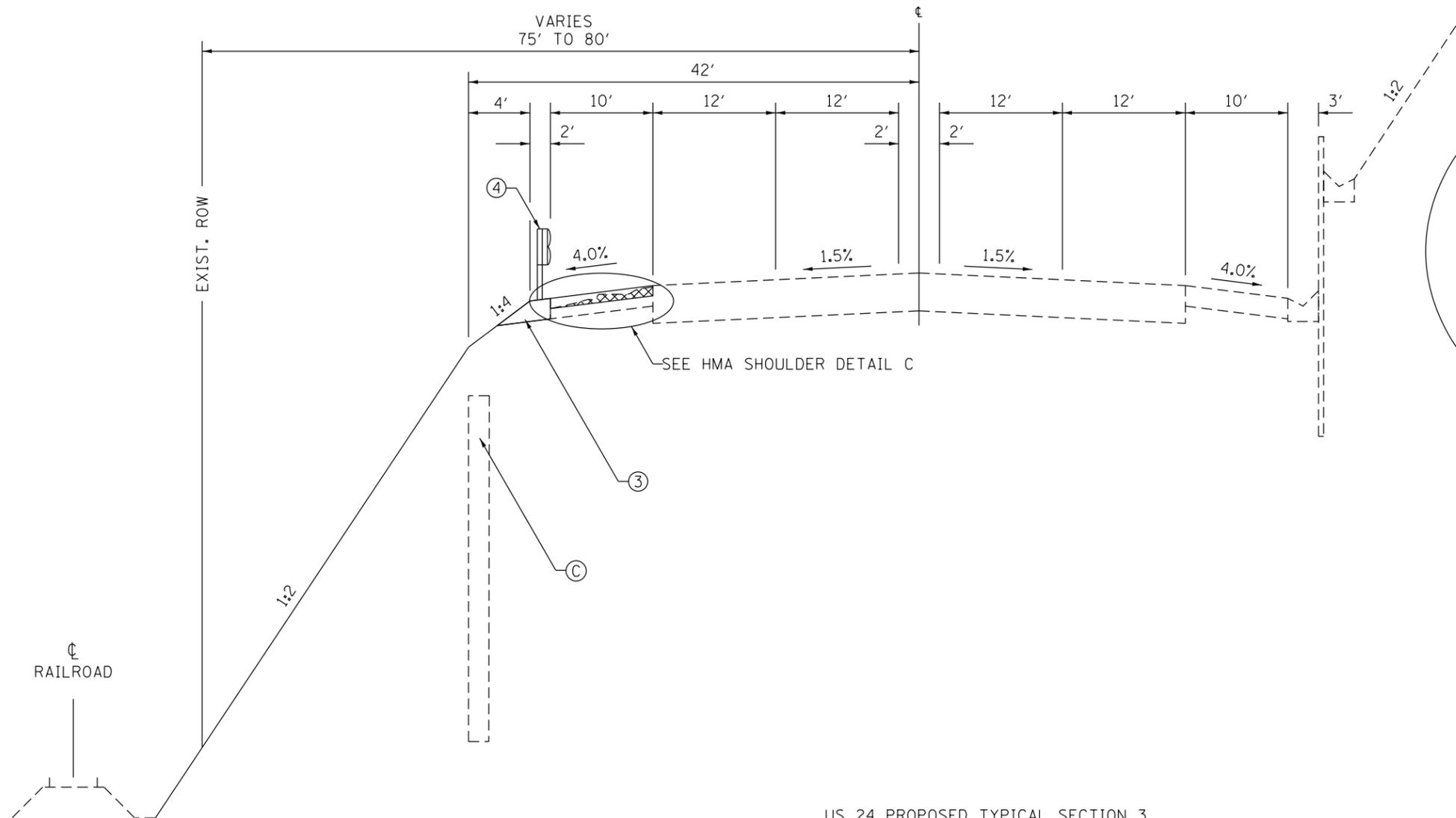
LEGEND - PROPOSED

- 1 HMA SURF. REMOVAL, 2"
- 2 PAVED SHOULDER REMOVAL, 6"
- 3 HMA SHOULDER (TON)
- 4 GR AGG EROSION CONTROL
- 5 SPB GUARDRAIL, TY A 9 FT POSTS

LEGEND - EXISTING

- A PCC PVMT AND HMA OVERLAY, 10 1/4"
- B HMA SHOULDER, 8"
- C DRILLED SHAFTS (TO REMAIN)

FILE NAME = D468C23-ALL SHEETS 5-17-2016.dgn	USER NAME = aubreys	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 200.0000' / in.	DRAWN -	REVISED -					317	46-1-4	PEORIA	29	9
Default	PLOT DATE = 5/20/2016	CHECKED -	REVISED -	NOT TO SCALE SHEET 2 OF 2 SHEETS STA. 239+04 TO STA. 244+32			CONTRACT NO. 68C23					
							ILLINOIS FED. AID PROJECT					



US 24 PROPOSED TYPICAL SECTION 3

STA. 242+82 TO STA. 244+32

NOTES:

•DRILLED SHAFTS EXIST STA. 239+04 LT TO STA. 242+00 LT

LEGEND - PROPOSED

- 1 HMA SURF. REMOVAL, VAR. DEPTH (0" TO 4")
- 2 HMA SHOULDER (TON)
- 3 GR AGG EROSION CONTROL
- 4 SPB GUARDRAIL, TY A 9 FT POSTS

LEGEND - EXISTING

- A PCC PVMT AND HMA OVERLAY, 10 1/4"
- B HMA SHOULDER, 8"
- C DRILLED SHAFTS (TO REMAIN)

FILE NAME = D468C23-ALL SHEETS 5-17-2016.dgn	USER NAME = aubreys	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 200.0000' / in.	DRAWN -	REVISED -					317	46-1-4	PEORIA	29	10
Default	PLOT DATE = 5/20/2016	CHECKED -	REVISED -	NOT TO SCALE SHEET 2 OF 2 SHEETS STA. 239+04 TO STA. 244+32			CONTRACT NO. 68C23					
							ILLINOIS FED. AID PROJECT					

TABULATION OF RESURFACING QUANTITIES												
LOCATION	NOTES	LENGTH	SHOULDER WIDTH	AREA (SHOULDERS)	HMA SURFACE REMOVAL - BUTT JOINT	HMA SURFACE REMOVAL, 2"	PAVED SHOULDER REMOVAL *	HMA SURFACE REMOVAL, VAR. DEPTH	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)		HMA SHOULDERS	
									COLD-MILLED <i>0.05 Lb/sq ft</i>	FOG COAT <i>0.025 Lb/sq ft</i>		
		FT	FT	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	POUNDS		TON	
STA. 239+04.00 TO STA. 239+14.00	BUTT JOINT	10.00	10.00	11.11	11.11					5.00		1.24
STA. 239+14.00 TO STA. 242+82.00	2" MILLING	368.00	10.00	408.89		408.89				184.00	92.00	45.80
STA. 240+12.00 TO STA. 242+52.00	6" MILLING	240.00	3.00	80.00			80.00			36.00	18.00	26.88
STA. 242+82.00 TO STA. 244+22.00	VAR. DEPTH MILLING	140.00	10.00	155.56				155.56		70.00	35.00	34.84
STA. 244+22.00 TO STA. 244+32.00	BUTT JOINT	10.00	10.00	11.11	11.11					5.00		1.24
TOTAL:						22	409	80	156	445		110

* SEE PROPOSED TYPICAL SECTIONS FOR SHOULDER REMOVAL DEPTH

SCHEDULE OF GUARDRAIL QUANTITIES			
LOCATION	GUARDRAIL REMOVAL	SPBGR, TYPE A, 9 FT POSTS	GUARDRAIL AGGREGATE EROSION CONTROL
	FOOT	FOOT	TON
STA. 239+04 TO STA. 244+32	537.5	537.5	53.50
TOTAL	537.5	537.5	54

MODIFIED URETHANE PAVEMENT MARKING - LINE 4"		
LOCATION	SOLID WHITE	
	FT	
STA. 239+04.00 TO STA. 244+32.00	528	
TOTAL:	528	

FURNISHED EXCAVATION					
LOCATION				SLOPE REPAIR	
				EMBANKMENT	TOPSOIL F&P 4"
				CU YD	SQ YD
STA. 239+04	TO STA. 239+50	24.3	66.6		
STA. 239+50	TO STA. 240+00	46.00	85.96		
STA. 240+00	TO STA. 240+50	67.10	77.84		
STA. 240+50	TO STA. 241+00	70.80	79.94		
STA. 241+00	TO STA. 241+50	54.20	80.42		
STA. 241+50	TO STA. 242+00	43.40	72.47		
STA. 242+00	TO STA. 242+50	28.50	84.83		
STA. 242+50	TO STA. 243+00	25.30	114.12		
STA. 243+00	TO STA. 243+50	41.10	113.84		
STA. 243+50	TO STA. 244+00	50.90	95.44		
STA. 244+00	TO STA. 244+32	34.30	85.37		
STA. 244+32	TO STA. 245+00	12.40	77.20		
10% (ADDITIONAL DAMAGE SINCE SURVEY)		49.83	103.40		
TOTAL:		548	1,137		

FILE NAME = D468C23-ALL SHEETS 5-17-2016.dgn	USER NAME = aubreygs	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 200.0000' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 5/20/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULES OF QUANTITIES

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	46-1-4	PEORIA	29	12
			CONTRACT NO. 68C23	
ILLINOIS FED. AID PROJECT				

TRAFFIC CONTROL AND PROTECTION	
LOCATION	STD 701422
	EACH
US 24	1
TOTAL	1

RAILROAD PROTECTIVE LIABILITY INSURANCE	
LOCATION	L SUM
US 24	1
TOTAL	1

CONSTRUCTION STATION LAYOUT	
LOCATION	L SUM
US 24	1
TOTAL	1

CHANGEABLE MESSAGE SIGN	
LOCATION	CAL DA
US 24	5
TOTAL	5

EROSION CONTROL SCHEDULE						
LOCATION	PERIMETER EROSION BARRIER	SEEDING, CLASS 3	EROSION CONTROL BLANKET	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT
	FOOT	ACRE	SQ YD	POUND	POUND	POUND
				90 LB/ACRE	90 LB/ACRE	90 LB/ACRE
STA. 239+04 TO STA. 244+32	528.00	0.25	1,100.00	22.50	22.50	22.50
TOTAL:	528	0.25	1,100.00	23	23	23

MOBILIZATION	
LOCATION	L SUM
US 24	1
TOTAL	1

ENGINEER'S FIELD OFFICE, TYPE A	
LOCATION	CAL MO
US 24	3
TOTAL	3

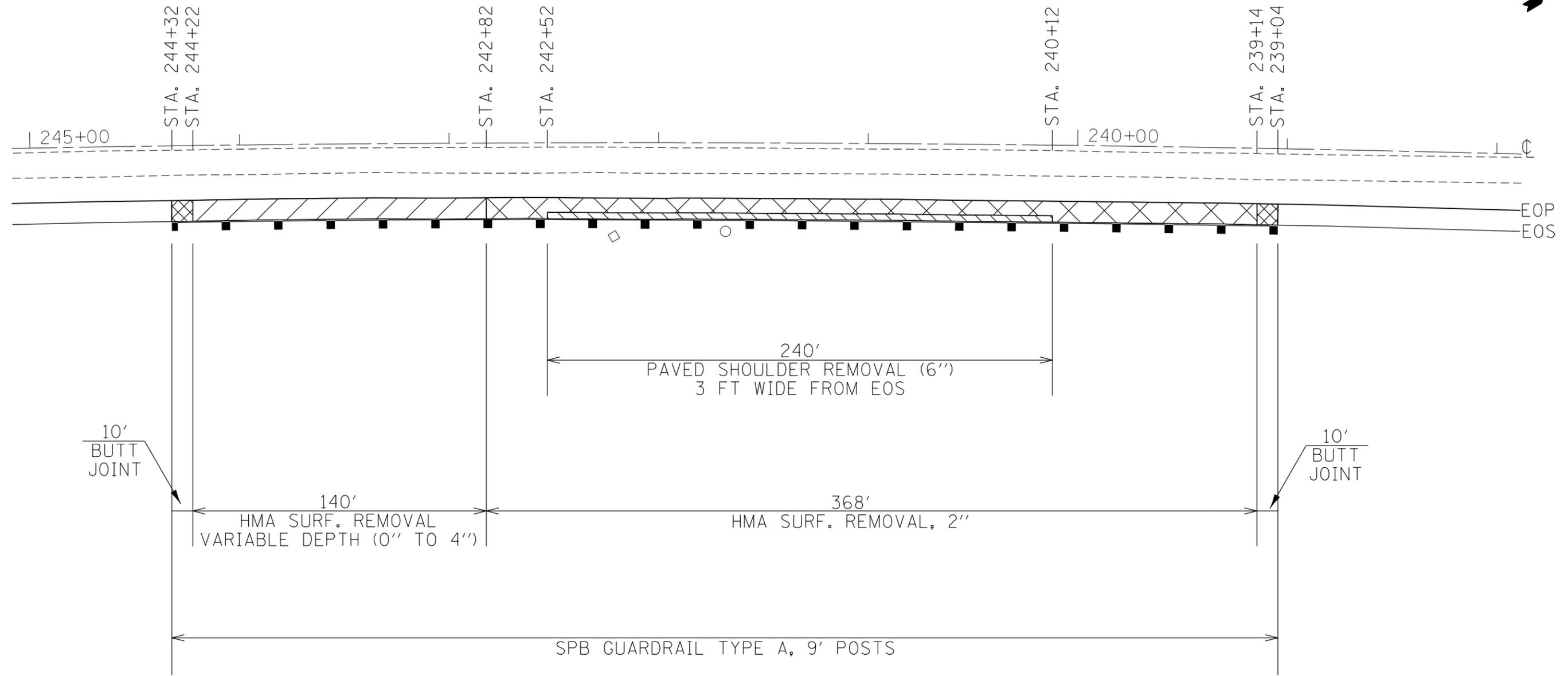
FILE NAME = D468C23-ALL SHEETS 5-17-2016.dgn	USER NAME = aubreys	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 200.0000' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 5/20/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES OF QUANTITIES

SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	46-1-4	PEORIA	29	13
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68C23	



LEGEND	
	BUTT JOINT
	HMA SURFACE REMOVAL, 2"
	HMA SURF. REMOVAL VAR. DEPTH
	PAVED SHOULDER REMOVAL

FILE NAME = D468C23-ALL SHEETS 5-17-2016.dgn	USER NAME = aubreys	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 200.0000' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 5/20/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

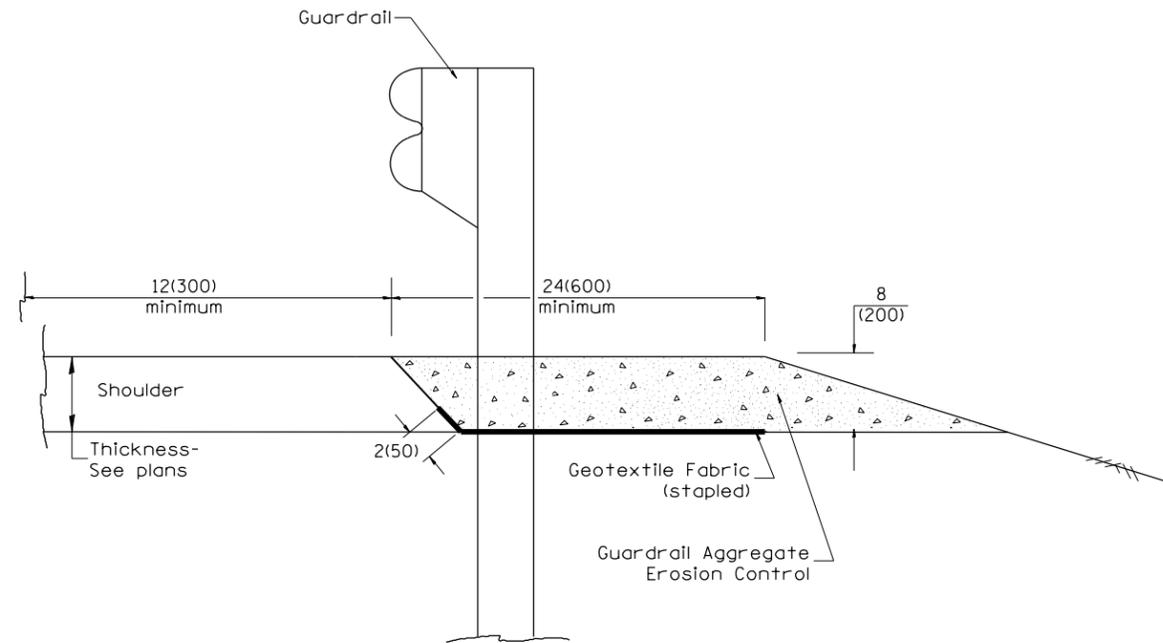
PROPOSED HMA REMOVAL DETAIL

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 239+04 TO STA. 244+32

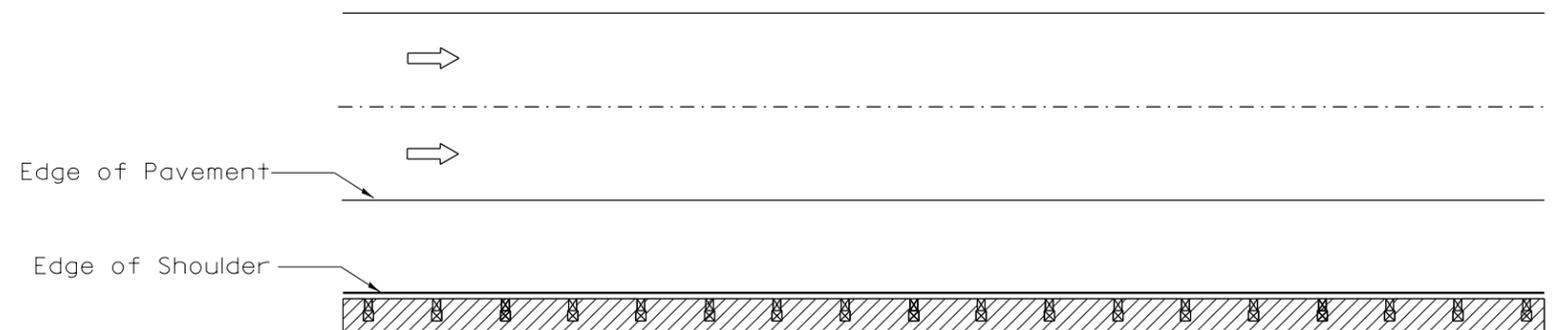
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	46-1-4	PEORIA	29	14
CONTRACT NO. 68C23				
ILLINOIS FED. AID PROJECT				

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.



TYPICAL SECTION



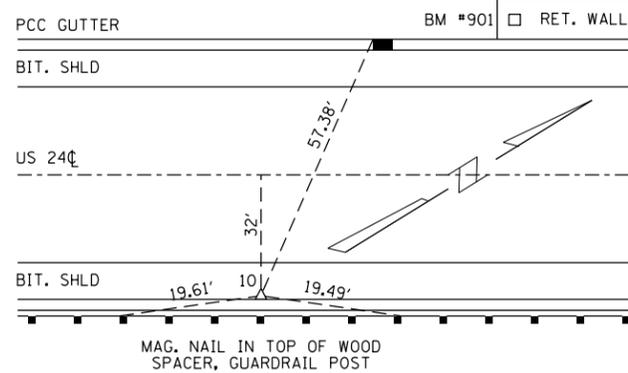
▨ Guardrail Aggregate Erosion Control

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

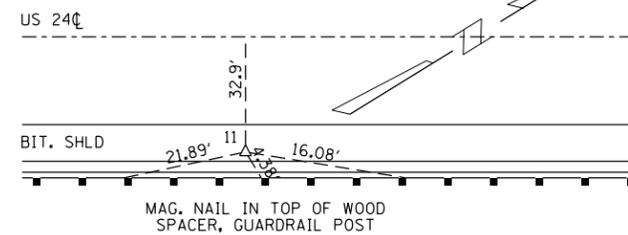
FILE NAME = D468C23-ALL SHEETS 5-17-2016.dgn	USER NAME = aubreygs	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL EROSION CONTROL DETAIL			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 200.0000' / in.	DRAWN -	REVISED -					317	46-1-4	PEORIA	29	15
Default	PLOT DATE = 5/20/2016	CHECKED -	REVISED -	SCALE: 1"=50'			SHEET 1 OF 1 SHEETS STA. 239+04 TO STA. 244+32			CONTRACT NO. 68C23		
							ILLINOIS FED. AID PROJECT					

RECOVERY TIES AND BENCHMARKS

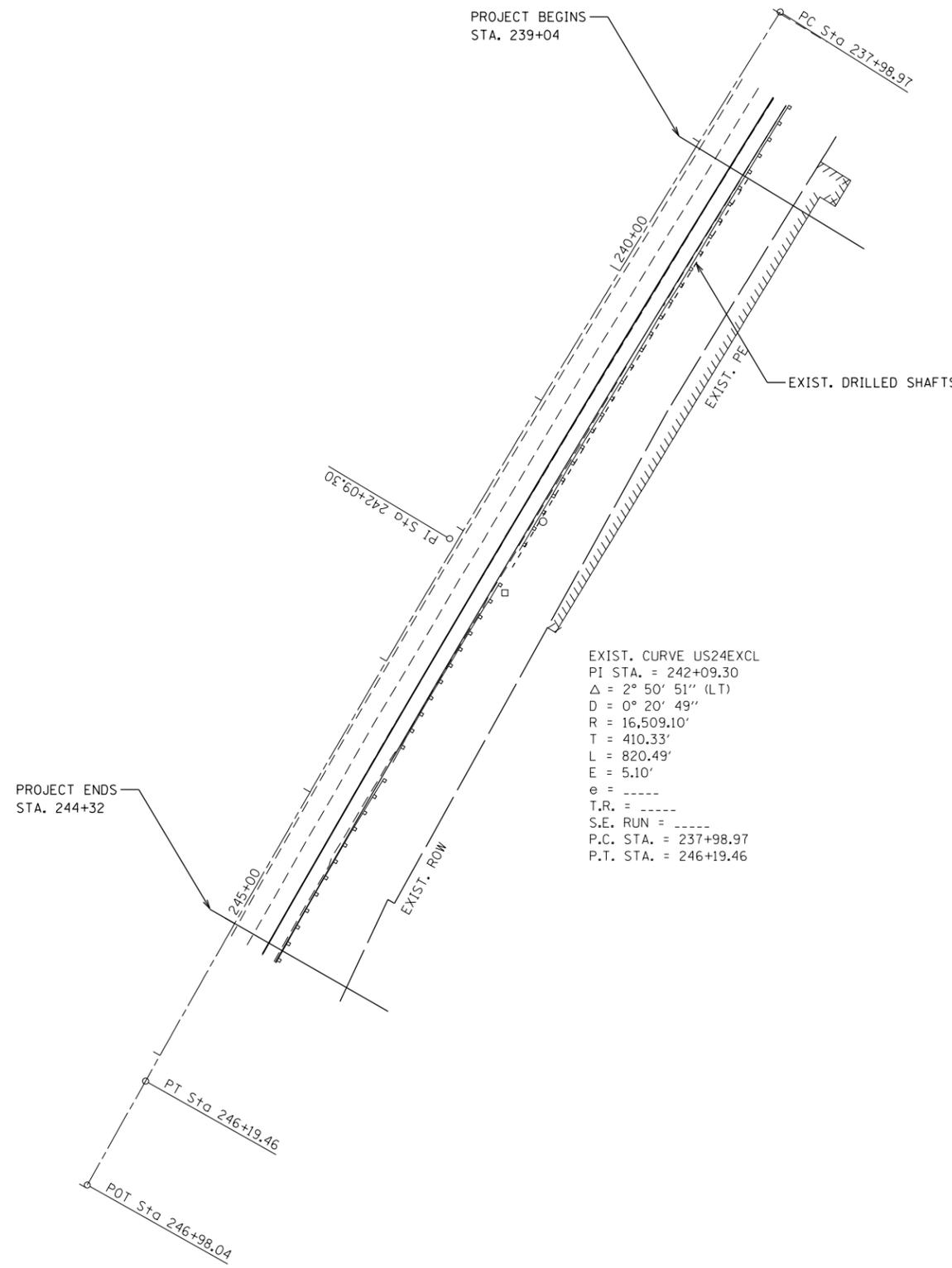
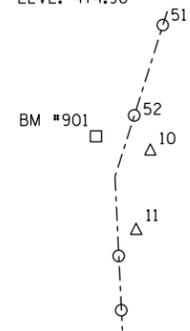
TIES TO PT. 10. P.K. NAIL IN SHLD
STA. 240+23.23, 32.22' LT.



TIES TO PT. 11. MAG. NAIL IN SHLD.
STA. 245+09.00, 32.90' LT.



BM #901 - CHIS. "□" ON TOP
OF SO. END 12" PCC RET. WALL
39' RT. OF STA. 239+38
ELVE. 474.96'



FILE NAME = D468C23-ALL SHEETS 5-17-2016.dgn	USER NAME = aubreys	DESIGNED -	REVISED -
Default	PLOT SCALE = 200.0000' / in.	DRAWN -	REVISED -
	PLOT DATE = 5/20/2016	CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

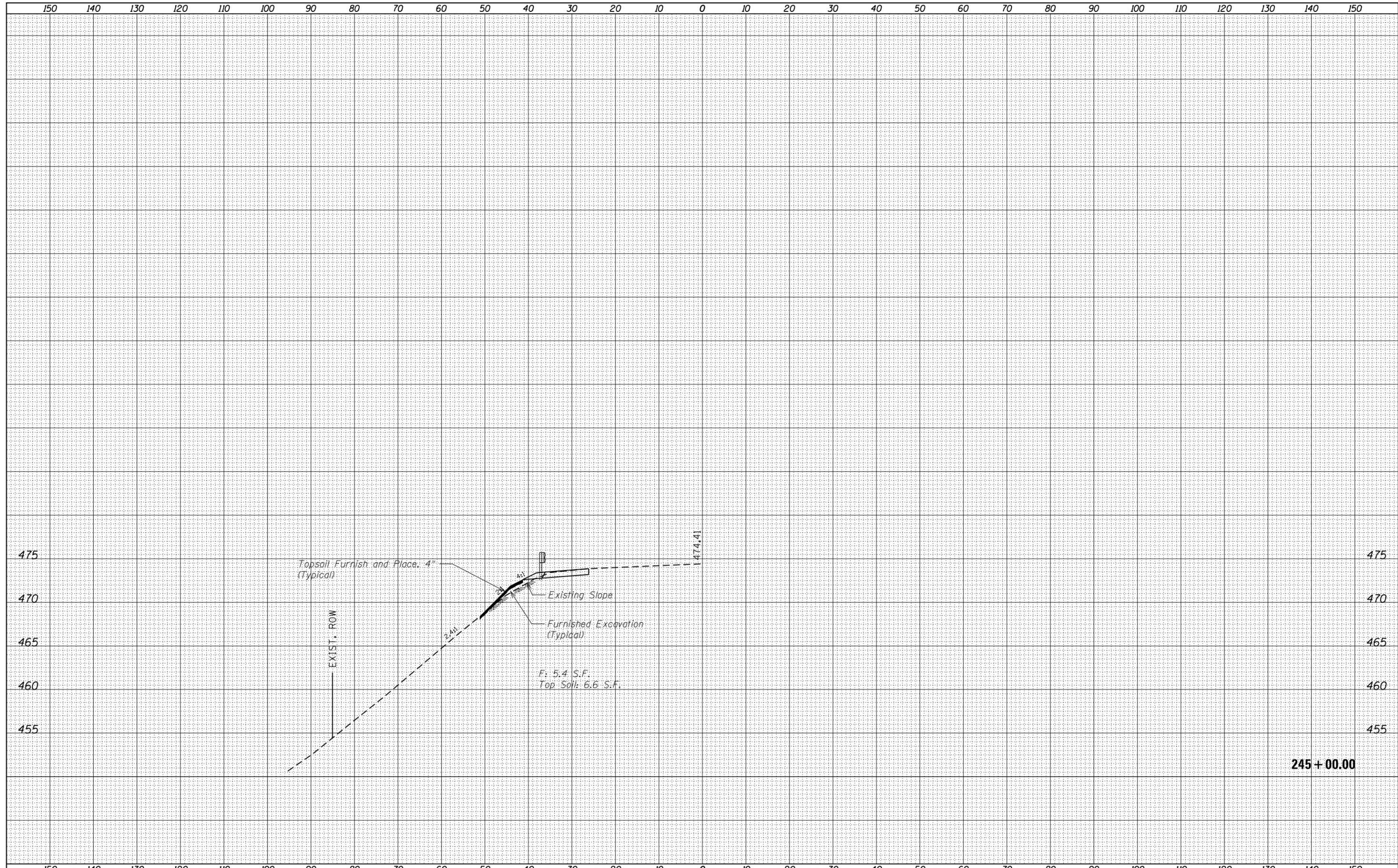
PLAN VIEW, BENCHMARKS AND RECOVERY TIES

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 239+04 TO STA. 244+32

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	46-1-4	PEORIA	29	16
CONTRACT NO. 68C23				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED



FILE NAME = D468C23-ALL SHEETS 5-17-2016.dgn
 Default

USER NAME = aubreys	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 200.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 5/20/2016	DATE -	REVISED -

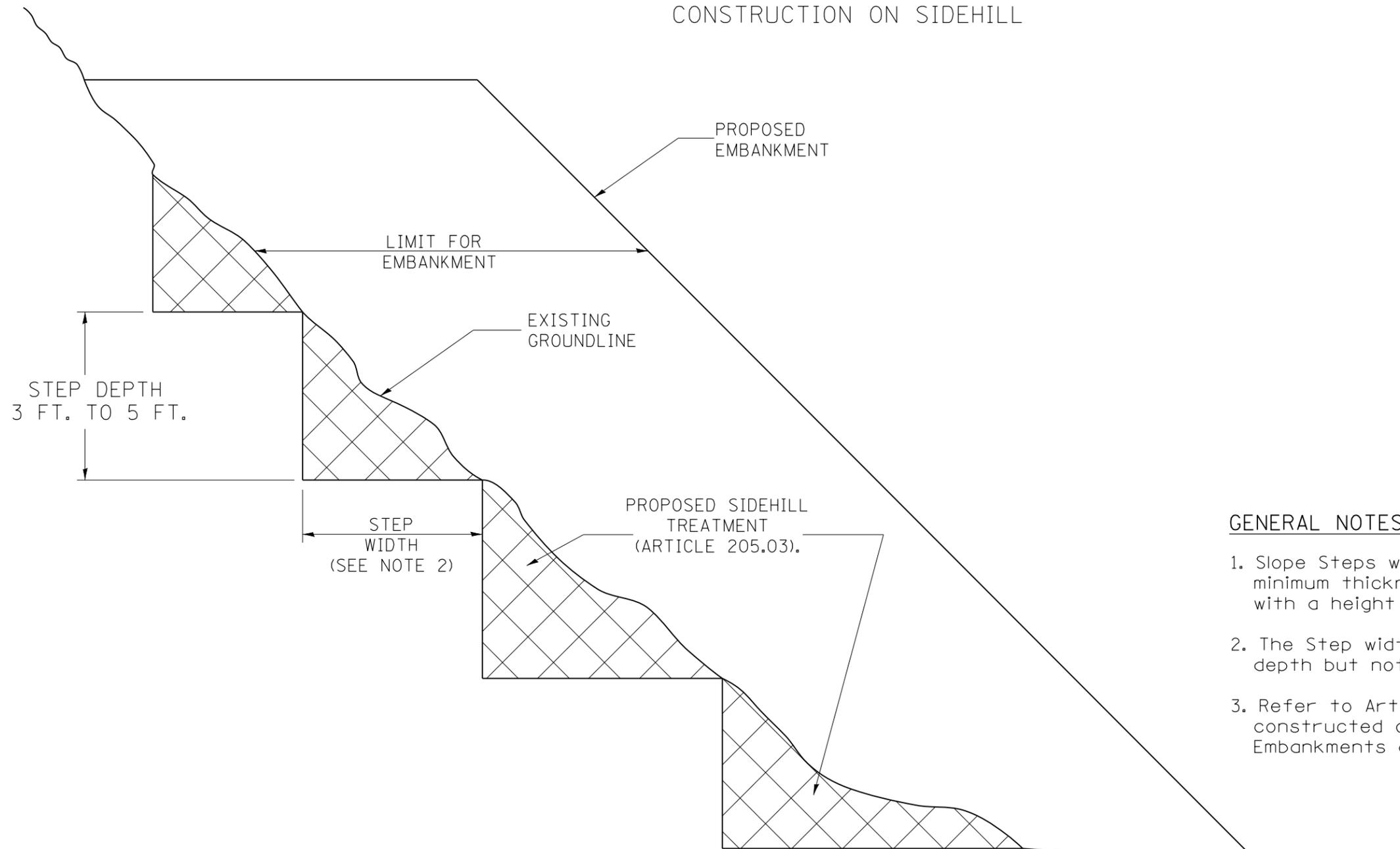
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 US 24**
 SCALE: SHEET 7 OF 7 SHEETS STA. 245+00.00 TO STA. 245+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	46-1-4	PEORIA	29	23
				CONTRACT NO. 68C23
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).

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.

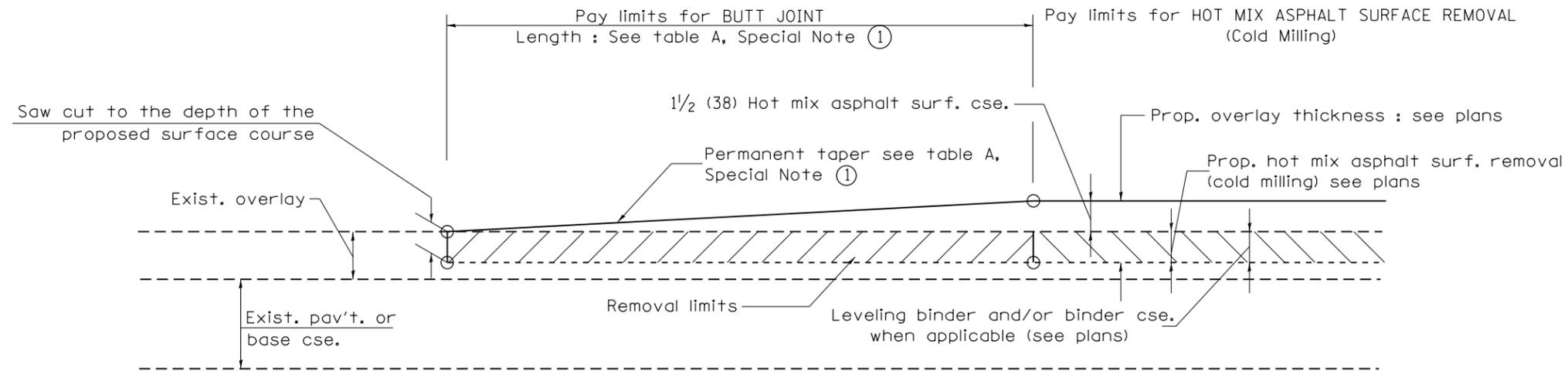
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SLOPE STEPS DETAIL

NOT TO SCALE

CADD STD. 205001-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	46-1-4	PEORIA	29	24
FED. ROAD DIST. NO.				ILLINOIS FED. AID PROJECT
CONTRACT NO. 68C23				



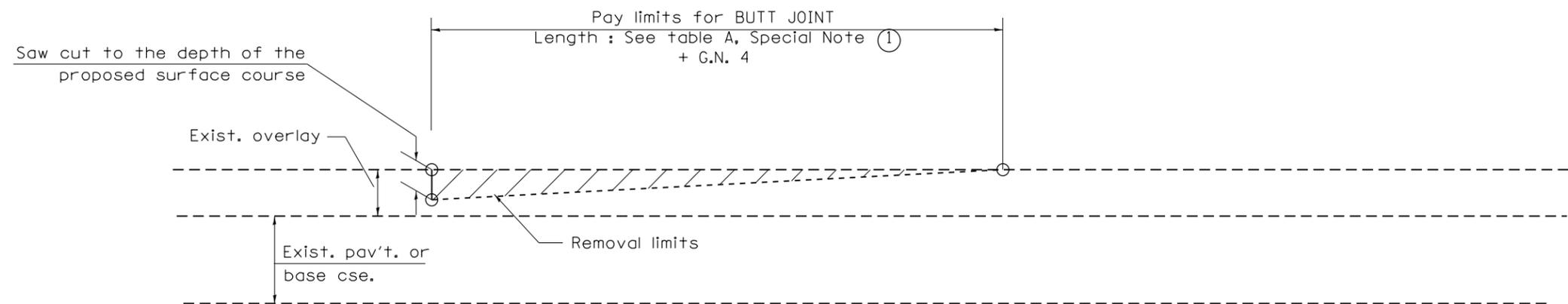
CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

**TABLE A
TAPER RATES**

SPECIAL NOTE NUMBER	ELEMENT	MAINLINE INTERSTATES & 4-LANE EXPRESSWAYS	ALL OTHERS
①	BUTT JOINT TAPER RATE	1:480	1:240
②	TEMPORARY RAMP TAPER RATE	1:80	1:40

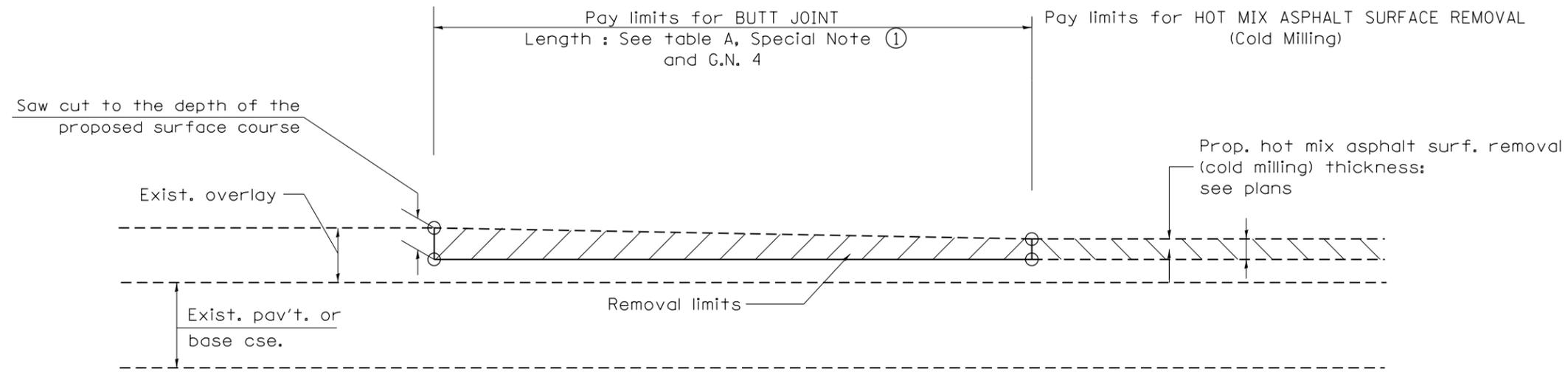
GENERAL NOTES

1. The work shall be done in accordance with Article 406.08 and the Special Provision for Butt Joints.
2. The pavement surface to be removed may be either bituminous or P.C. concrete. The work shall be performed in accordance with Article 440.04 and the Special Provisions for Butt Joints.
3. The saw cut joints shall be primed just prior to the placing of bituminous material. The work will be in accordance with the applicable portions of Article 406.05.
4. The length of butt joint is based on the taper rate times change in cold milling depth within the butt joint pay limits, unless otherwise indicated.

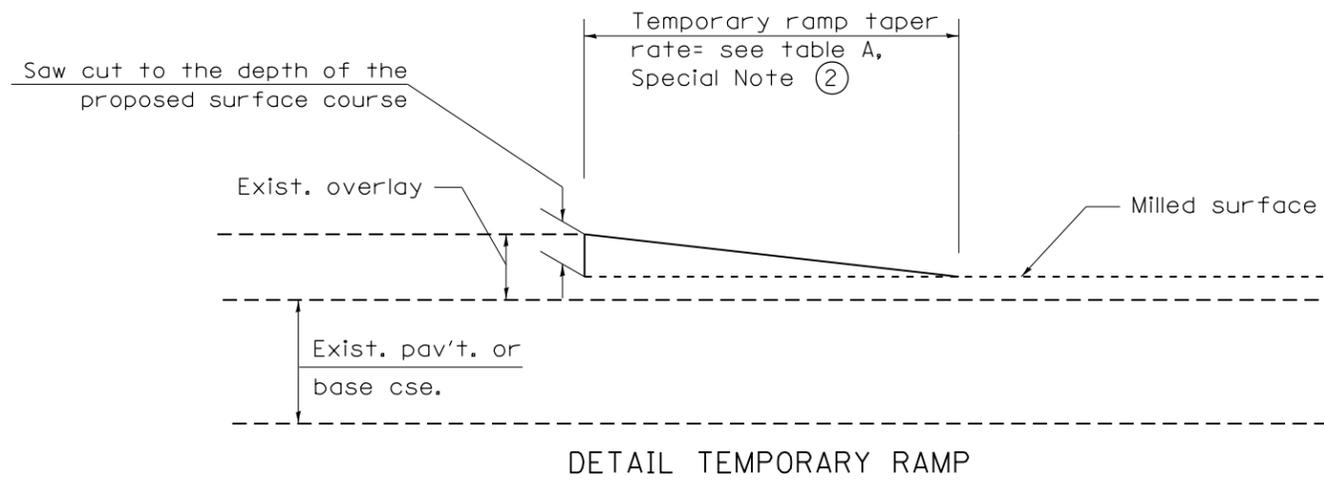


CASE 2 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

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



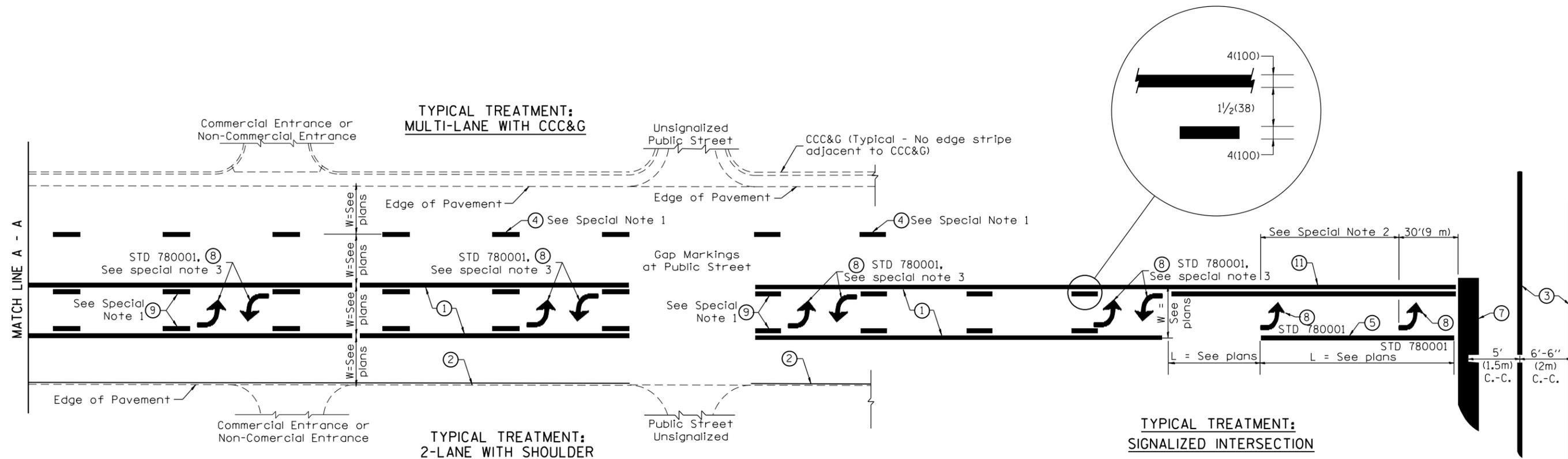
CASE 3 : HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER



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

				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		BUTT JOINTS		SHT. 2 OF 3 CADD STD. 406101-D4	
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.					
317	46-1-4	PEORIA	29	26	CONTRACT NO. 68C23				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT							

NOT TO SCALE



FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION

TYPICAL PAVEMENT MARKING LEGEND

(Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- ① 4(100) Solid (Yellow)
- ② 4(100) Solid (White)
- ③ 2-6(150) Crosswalk @ 6'-6" (2m)min C.-C. (White)
2-8(200) Crosswalk @ 6'-6" (2m)min C.-C. (White) (When traffic signals are present.)
- ④ 6(150) Skip-Dash (White) (See Special Note 1)
- ⑤ 8(200) Solid (White)
- ⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 24(600) Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 4(100) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 12(300) Diagonal (Yellow) (See Table A)
- ⑪ 4(100) Double Solid (Yellow) (See Table A)

SPECIAL NOTES

1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
2. The following shall apply to arrows located in one-way left turn lanes:
 - A. A minimum of two (2) arrows is required.
 - B. The maximum spacing between arrows is 80' (24 m).
 - C. Arrows shall be evenly spaced if three (3) or more are required.
3. The following shall apply to arrow pairs located in two-way left turn lanes:
 - A. A minimum of two (2) arrow pairs is required.
 - B. The maximum spacing between arrow pairs is 200' (61 m).
 - C. Arrow pairs shall be evenly spaced if three (3) or more are required.
 - D. The spacing between Bi Directional Left Turn Arrows is 33' (10 m).

GENERAL NOTES

1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.
3. Refer to Article 780.13 for letter, number and symbol areas (sq. ft.)
4. Areas are grooved 1" beyond each edge for the following symbols:
Through Arrow= 14.8 sq. ft.
Large Left or Right Arrow= 21.9 sq. ft.
2 Arrow Combination Left (or Right) and Through= 34.9 sq. ft.
Wrong Way Arrow= 29.5 sq. ft.
Railroad Crossing Symbol= 69.8 sq. ft.
(For further information, refer to BDE Special Provision: Grooving for Recessed Pavement Markings)

01-01-97	RENUM. F-8.03, NEW REVISION BOX	T.P.	10-16-06	REVISED TO 2007 SPEC.	
02-07-97	ADD BI DIRECTIONAL DIMENSION	J.A.	2/29/16	ADDED GROOVING AREAS	R.D.
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.			
08-02	ADD CROSSWALK DMNS. WITH T.S.	M.A.			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NOT TO SCALE

TYPICAL PAVEMENT MARKINGS

SHT. 1 OF 2
CADD STD. 780001-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	46-1-4	PEORIA	29	28
CONTRACT NO. 68C23				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

