

102 MAR 2 2018

CONTRACT NO. 93715

COUNTY	ROUTE	SECTION	SHT. NO.
ADAMS	FAS 1592	16-00040-03-FP	1

COVER SHEET

TOTAL NO. SHEETS - 16

INDEX OF SHEETS

SHEET NO. SHEET

- 1 COVER SHEET
- 2 SUMMARY OF QUANTITIES
SCHEDULE OF QUANTITIES
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- 11-12 BUTT JOINT & FEATHER EDGE DETAILS
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- 14 INLETS, SPECIAL, TYPE E
- 15-16 CROSS SECTIONS - ROADWAY

STANDARDS

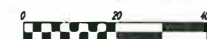
- STANDARD 442201-03
- STANDARD 606001-07
- STANDARD 701011-04
- STANDARD 701306-04
- STANDARD 701311-03
- STANDARD 701901-07
- STANDARD 780001-05

THE PROPOSED IMPROVEMENT CONSISTS OF HMA SURFACE REMOVAL, OVERLAYING THE EXISTING ROADWAY WITH 3/4" LEVELING BINDER AND 1 1/2" POLY. HMA SURFACE COURSE, CURB AND GUTTER REPAIR, PCC DRIVEWAYS AND PAVEMENT MARKINGS.

PLAN SHEETS



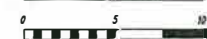
PLAN SHEETS



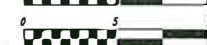
PROFILE HORZ.



PROFILE VERT.



CROSS SECTIONS



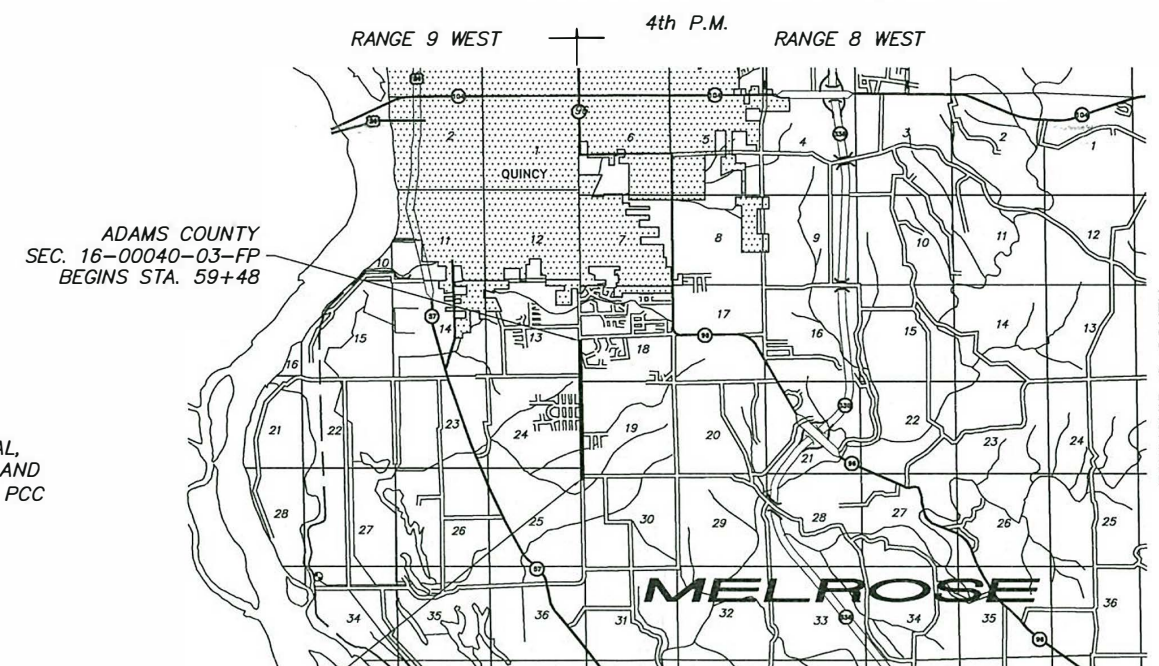
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES, REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

UTILITIES:

- J.U.I.E. 1-800-892-0123
- AT&T SPRINGFIELD, IL
- MILL CREEK WATER DISTRICT QUINCY, IL
- AMEREN ILLINOIS QUINCY, IL
- COMCAST QUINCY, IL

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PLANS FOR PROPOSED

SURFACE TRANSPORTATION / RURAL PROGRAM FUNDS ADAMS COUNTY SEC. 16-00040-03-FP FAS ROUTE 1592 (CO. HWY 21) PROJECT NO. 3ER2(296) JOB NO. C-96-025-18



ADAMS COUNTY
SEC. 16-00040-03-FP
BEGINS STA. 59+48

LOCATION MAP



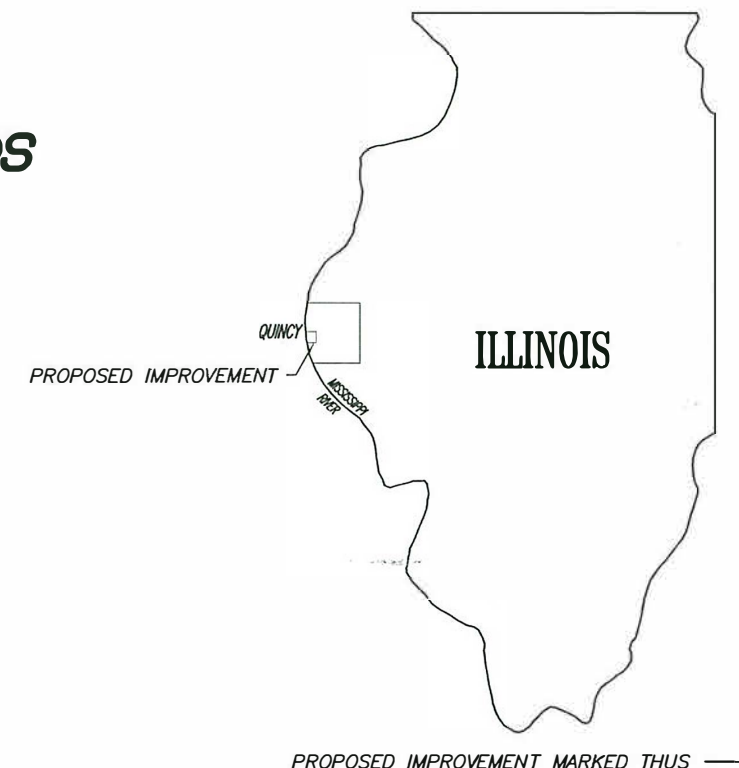
DESIGN DESIGNATION:
MAJOR COLLECTOR
ADT: 1400 - 3250
DESIGN SPEED - 50 M.P.H.

SUMMARY OF LENGTH:

GROSS LENGTH:
FAS 1592 - STA. 59+48 TO STA. 139+50 = 8,002.00 FT.
NET LENGTH TO BE IMPROVED = 8,002.00 FT. = 1.516 MILES

THESE PLANS WERE PREPARED BY ME OR A FULL TIME MEMBER OF MY STAFF WORKING UNDER MY PERSONAL SUPERVISION.

SUBMITTED BY James R. Frankenhoff DATE 2/13/18
COUNTY ENGINEER
LICENSE NO. 062-044792
LIC. EXPIRES 11/30/2019



APPROVED FEB 13, 2018

James R. Frankenhoff
COUNTY ENGINEER

PASSED 3-12-18

Chris L. Isbell
DISTRICT ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR
BID BASED ON
LIMITED REVIEW 3-12-18

Jeffrey M. South
REGION FOUR ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREPARED BY
ADAMS COUNTY HIGHWAY DEPARTMENT
101 NORTH 54th STREET, QUINCY, ILLINOIS

PAVEMENT SCHEDULE

LOCATION / STA. - STA.	BITUMINOUS MATERIALS (TACK COAT)	LEVELING BINDER (MACHINE METHOD), N50	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	HOT-MIX ASPHALT SHOULDERS	CLASS D PATCHES, TYPE II, 6 INCH
	POUND	TON	TON	TON	SQ YD
STA. 59+48 - STA. 92+36	7,235	331	658	500	22
STA. 92+36 - STA. 105+63	3,612	158	464	100	
STA. 105+63 - STA. 139+50	7,453	341	678	500	
TOTAL	18,300	830	1,800	1,100	22

SURFACE REMOVAL

LOCATION / STA. - STA.	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	TEMPORARY RAMP	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)
	SQ. YD.	SQ. YD.	SQ. YD.	SQ. YD.	SQ. YD.
STA. 59+48 - STA. 92+36	37	19		12,202	
STA. 92+36 - STA. 105+63			2,322	4,017	24.7
STA. 105+63 - STA. 139+50	25	12		12,451	
TOTAL	62	31	2,322	28,670	24.7

LONGITUDINAL JOINT SEALANT

STA. - OFFSET	FOOT
STA. 59+48 - STA. 92+36	9,864
STA. 92+36 - STA. 105+63	5,308
STA. 105+63 - STA. 139+50	9,957
TOTAL	25,129

ENTRANCE SCHEDULE

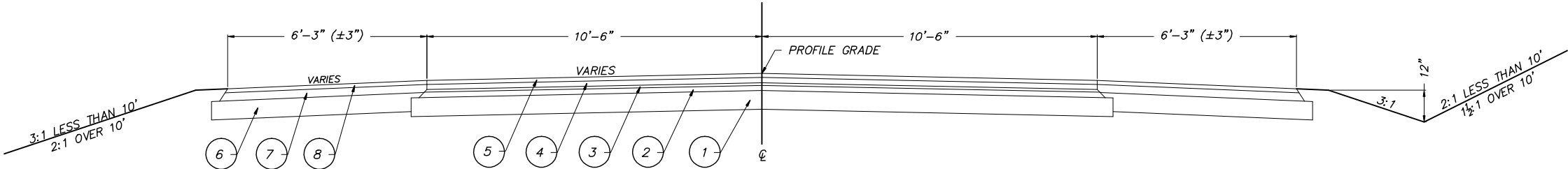
LOCATION / STA. - STA.	DRIVEWAY PAVEMENT REMOVAL	COMBINATION CURB AND GUTTER REMOVAL	COMB. CONCRETE CURB AND GUTTER (ABUTTING EXISTING PAVEMENT)		PCC DRIVEWAY PAVEMENT, 6"	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)
	SQ YD	FOOT	FOOT	FOOT	SQ YD	SQ YD
RT. STA. 92+93	27.1	28		28	31.6	
RT. STA. 94+85	36.0	37		37	39.6	
RT. STA. 95+42	21.3	31		31	25.8	
RT. STA. 96+82						3.0
RT. STA. 97+45						4.8
RT. STA. 98+30						5.1
RT. STA. 99+20	21.4	39	39		23.5	
RT. STA. 100+34	19.0	66	66		23.4	
RT. STA. 101+75						3.4
RT. STA. 103+35						3.5
RT. STA. 105+07						4.9
TOTAL	124.8	201	105	96	143.9	24.7

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	SPECIAL PROVISION
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	18,301	*
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	830	*
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	62	*
40600990	TEMPORARY RAMP	SQ YD	31	
40603510	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	1,800	*
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	143.9	
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	28,670	*
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	124.8	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	201	*
44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	22	
48203100	HOT-MIX ASPHALT SHOULDERS	TON	1,100	*
60604500	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (ABUTTING EXISTING PAVEMENT)	FOOT	105	*
60609300	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.12 (ABUTTING EXISTING PAVEMENT)	FOOT	96	*
67100100	MOBILIZATION	L SUM	1	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	796	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	263	
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS	SQ FT	168	
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5,352	
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	15,386	
X4400100	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	24.7	*
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	2,322	*
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	*
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	25,129	*
SPECIALTY ITEMS				

	USER NAME =	DESIGNED -	REVISED -	ADAMS COUNTY HIGHWAY DEPARTMENT	SUMMARY OF QUANTITIES SCHEDULE OF QUANTITIES FAS ROUTE 1592 (CO HWY 21)	COUNTY	ROUTE	SECTION	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1:2	DRAWN - JRF	REVISED -			ADAMS	FAS 1592	16-00040-03-FP	16	2
	PLOT DATE =	CHECKED -	REVISED -							
		DATE -	REVISED -			SCALE	SHEET 1 OF 1 SHEETS	STA. --- TO STA. ---	CONTRACT NO. 93715	

TYPICAL CROSS SECTIONS

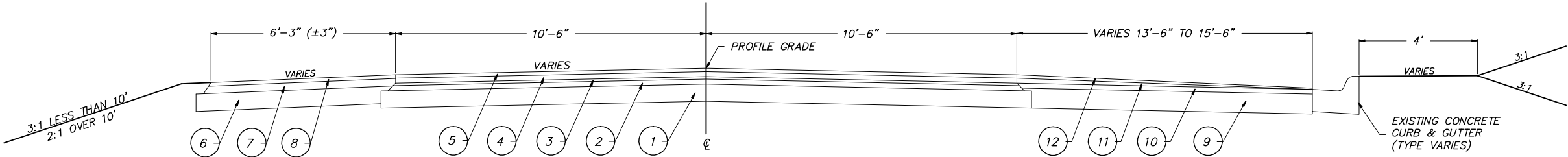


EXISTING MATERIALS:
6. 7½" AGGREGATE BASE COURSE, TYPE A
7. 3" HMA BINDER COURSE, TY 3
8. 1½" HMA SURFACE COURSE, MIX C, TY 3

EXISTING TYPICAL SECTION
STATION 59+48 TO STATION 92+36
STATION 105+69 TO STATION 139+50

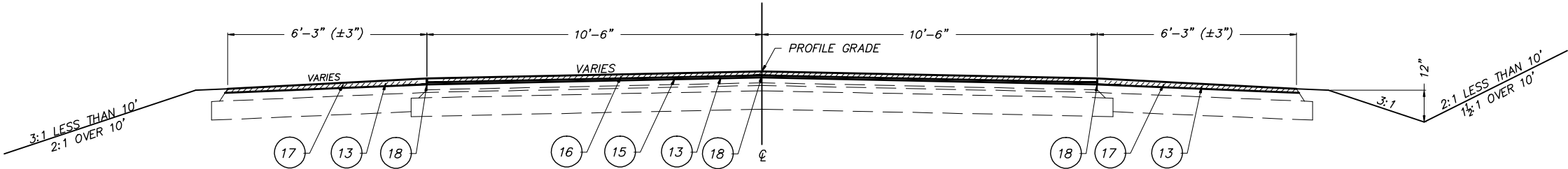
EXISTING MATERIALS:
1. ±7" AGGREGATE BASE COURSE, TYPE B
2. ±2" BIT. SURFACE (SUBCLASS B-1)
3. 1" HOT-MIX ASPHALT SURFACE COURSE
4. 2" HMA BINDER COURSE, MIX A, TY 2
5. 1½" HMA SURFACE COURSE, MIX C, TY 2

EXISTING CONSTRUCTION SECTIONS:
SEC. 40-A-MFT
SEC. 40-Q
SEC. SM-40-Q
SEC. 80-00040-02-RS
SEC. 92-00134-00-FP
SEC. 93-00144-00-BT



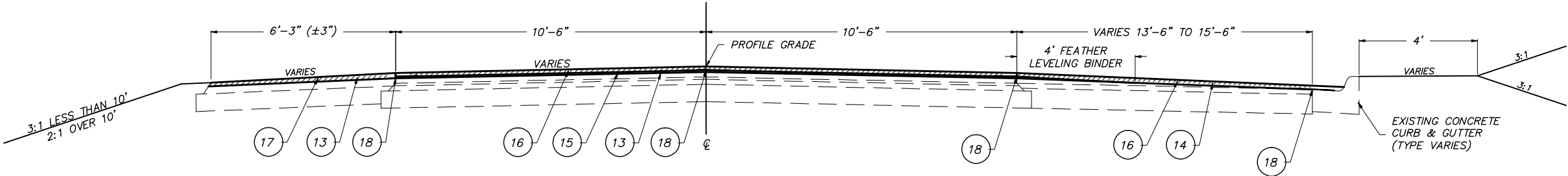
EXISTING TYPICAL SECTION
STATION 92+36 TO STATION 105+69

EXISTING MATERIALS:
9. 8" AGGREGATE BASE COURSE, TYPE A
10. 2" HMA SURFACE COURSE
11. HMA BINDER COURSE (WEDGED)
12. 1½" HMA SURFACE COURSE, MIX C, TY 2



PROPOSED TYPICAL SECTION
STATION 59+48 TO STATION 92+36
STATION 105+69 TO STATION 139+50

PROPOSED MATERIALS:
13. HOT-MIX ASPHALT SURFACE REMOVAL, 1½"
14. HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (0" TO 1½")
15. 3/4" LEVELING BINDER (MACHINE METHOD), N50
16. 1 1/2" POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50
17. HOT-MIX ASPHALT SHOULDER (2¼" TO 1½" THICKNESS)
18. LONGITUDINAL JOINT SEALANT



PROPOSED TYPICAL SECTION
STATION 92+36 TO STATION 105+69

GENERAL NOTES

1. WHERE SECTION OR SUB-SECTION STONES, PROPERTY PINS, USGS BENCH MARK MONUMENTS, AND U.S. ARMY CORPS OF ENGINEERS SURVEY MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH STONES AND MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS UNTIL AN OWNER, AN AUTHORIZED SURVEYOR OR THEIR REPRESENTATIVE HAS WITNESSED OR OTHERWISE REFERENCED THE PROPERTY MARKS LOCATION.
2. ALL PRIVATELY OWNED UTILITIES, UNLESS OTHERWISE SPECIFIED, WILL BE MOVED BY THEIR RESPECTIVE OWNERS WHERE REQUIRED. THE FOLLOWING UTILITY COMPANIES MAY HAVE FACILITIES WITHIN THE LIMITS OF CONSTRUCTION:
- MILL CREEK WATER DISTRICT
ADAMS TELEPHONE (COMMUNICATION)

COMCAST (COMMUNICATION)
AT&T (COMMUNICATION)

AMEREN ILLINOIS
3. THE NOMINAL THICKNESS FOR LEVEL BINDER (MACHINE METHOD) AND THE HOT-MIX ASPHALT MATERIALS IS SHOWN ON THE TYPICAL SECTIONS, STANDARDS, SCHEDULES OR SPECIAL DETAILS. THE CONSTRUCTED THICKNESS OF THE ABOVE ITEMS SHALL NOT BE LESS THAN 90% OF THE NOMINAL THICKNESS AT ANY LOCATION.
4. THE UTILITY LOCATIONS, IF MARKED ON THE PLANS, ARE FOR REFERENCE ONLY, AND ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUCTED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES AND TO NOTIFY ALL UTILITY COMPANIES PRIOR TO THE BEGINNING OF CONSTRUCTION. THE REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS ASSOCIATED WITH BURIED AND ABOVE GROUND UTILITIES REMAINS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THIS WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
6. ALL DISTURBED AREAS WITHIN THE RIGHT-OF-WAY SHALL BE SEEDED BY OTHERS.
7. ANY EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION WILL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPERATELY BUT SHALL BE INCLUDED IN THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

APPLICATION RATES

BITUMINOUS MATERIALS (TACK COAT)	
ON EXISTING PAVEMENT	0.05 LB/SQ FT
BETWEEN HMA LIFTS	0.025 LB/SQ FT
AGGREGATE (SURFACE, SHOULDERS)	
	1.8 TON/CU YD

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

PAY ITEM	MIXTURE	ASPHALT GRADE	N Design	VOIDS
LEVELING BINDER, MACHINE METHOD	IL-9.5	PG 64-22	N50	4.0%
HOT-MIX ASPHALT BINDER COURSE	IL-19.0	PG 64-22	N50	4.0%
HOT-MIX ASPHALT SURFACE COURSE	IL-9.5 "C"	PG 64-22	N50	4.0%
POLY. HOT-MIX ASPHALT SURFACE COURSE	IL-9.5 "C"	SBS PG 64-28	N50	4.0%
HOT-MIX ASPHALT SHOULDERS	IL-9.5 "C"	PG 64-22	N50	4.0%

NOTE: HOT-MIX ASPHALT QUANTITIES CALCULATED @ 112 #/SQ. YD. / IN.

ABBREV.	PAY ITEM	UNIT
C&G REM	CURB & GUTTER REMOVAL	FOOT
DPR	DRIVEWAY PAVEMENT REMOVAL	SQ YD
PCC DRWY	PORTLAND CEMENT CONCRETE DRIVEWAY, 6 INCH	SQ YD
PCC SURF REM	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD
C&G(M) ABUT	COMBINATION CONCRETE CURB & GUTTER, M-6.12 ABUTTING EXISTING PAVEMENT	FOOT
C&G(B) ABUT	COMBINATION CONCRETE CURB & GUTTER, B-6.18 ABUTTING EXISTING PAVEMENT	FOOT

PAY ITEM
ABBREVIATED

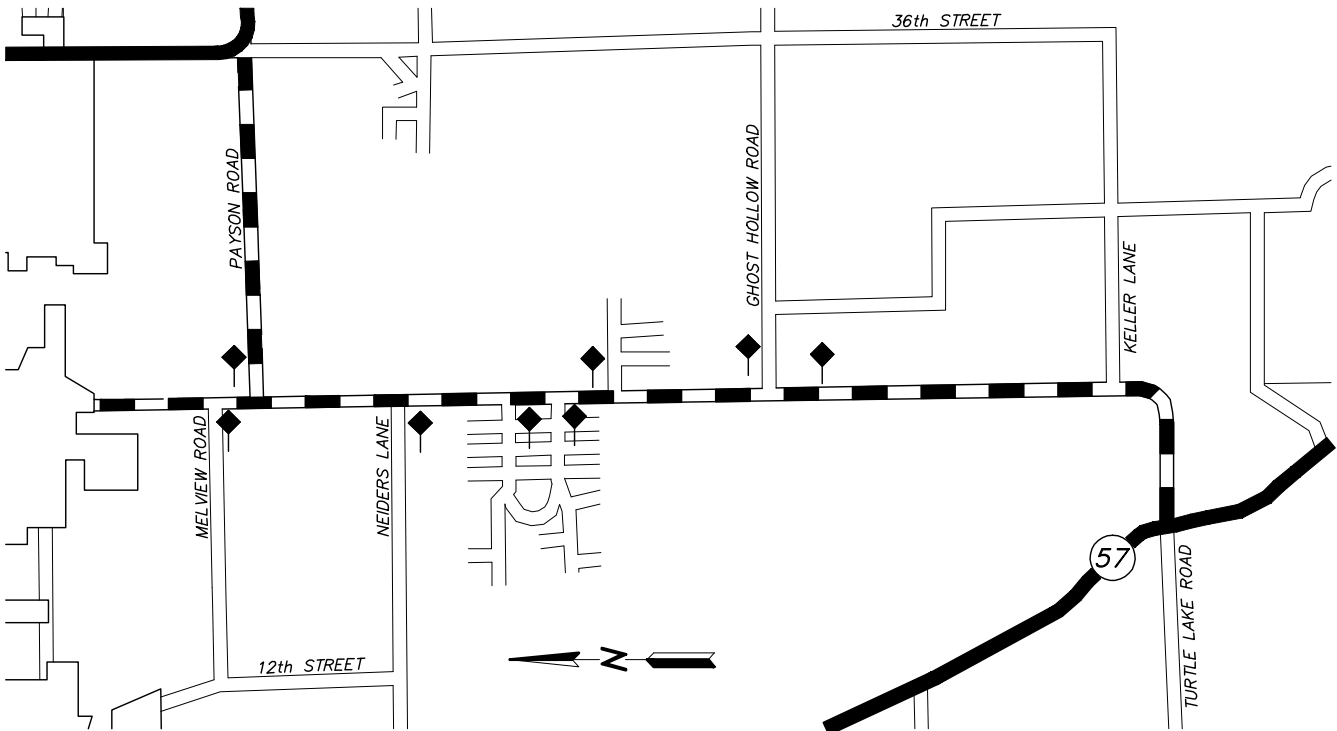
QUANTITY

EXAMPLE:

TB

81 81 CUBIC YARDS OF TRENCH BACKFILL AT THE INDICATED LOCATION

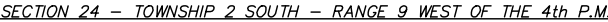
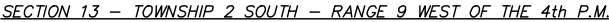
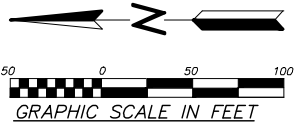
TRAFFIC CONTROL AND PROTECTION



ROAD CONSTRUCTION AHEAD

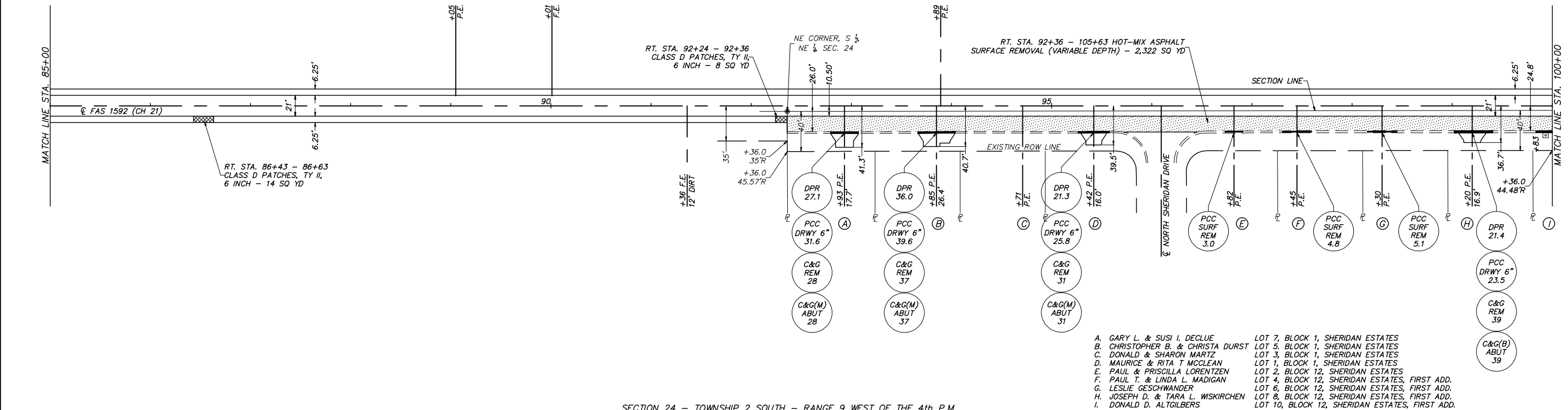
SEE SPECIAL PROVISIONS FOR APPLICATION OF:
"NO PASSING ZONES NOT STRIPPED NEXT ____ MILES"

	USER NAME =	DESIGNED --	REVISED --	ADAMS COUNTY HIGHWAY DEPARTMENT	GENERAL NOTES HMA MIXTURE REQUIREMENTS TRAFFIC CONTROL AND PROTECTION FAS ROUTE 1592 (CO HWY 21)	APPLICATION RATES PAY ITEM ABBREVIATIONS	COUNTY	ROUTE	SECTION	TOTAL SHEETS	SHEET NO.
		DRAWN -- JRF	REVISED --				ADAMS	FAS 1592	16-00040-03-FP	16	4
	PLOT SCALE = 1:2	CHECKED --	REVISED --								
	PLOT DATE =	DATE --	REVISED --							CONTRACT NO. 93715	
					SCALE	SHEET 1 OF 1 SHEETS			STA. -- TO STA. --		



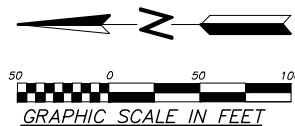
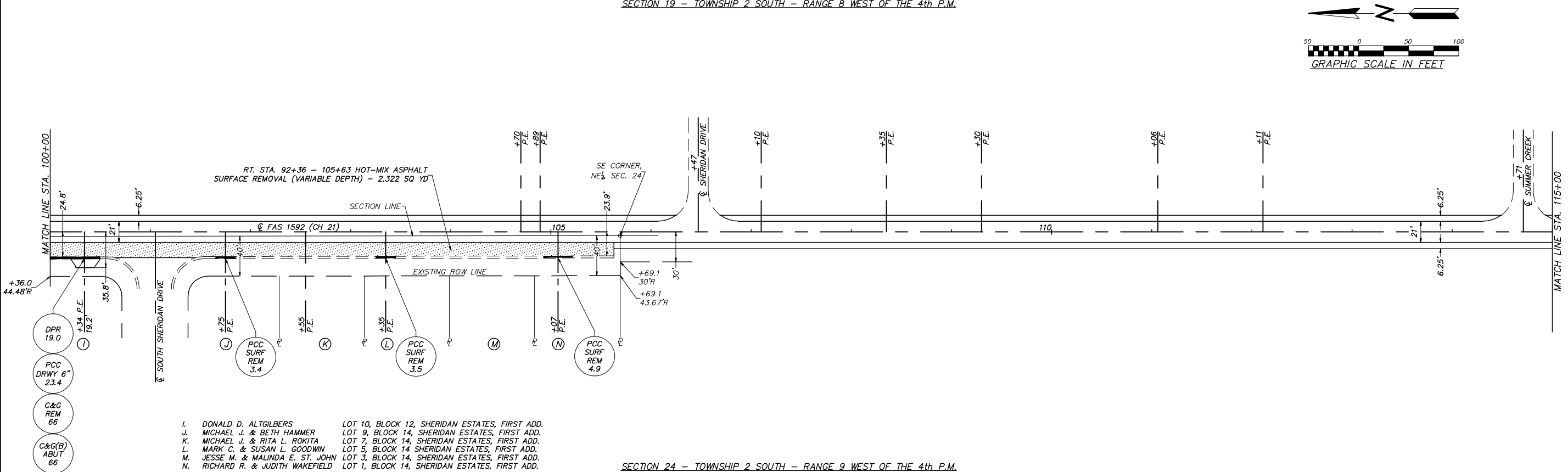
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	PLOT DATE =	CHECKED –	REVISED –									
		DATE –	REVISED –		SCALE 1"=50'	SHEET 1 OF 3 SHEETS	STA. 55+00 TO STA. 85+00	CONTRACT NO. 93715				

SECTION 19 - TOWNSHIP 2 SOUTH - RANGE 8 WEST OF THE 4th P.M.



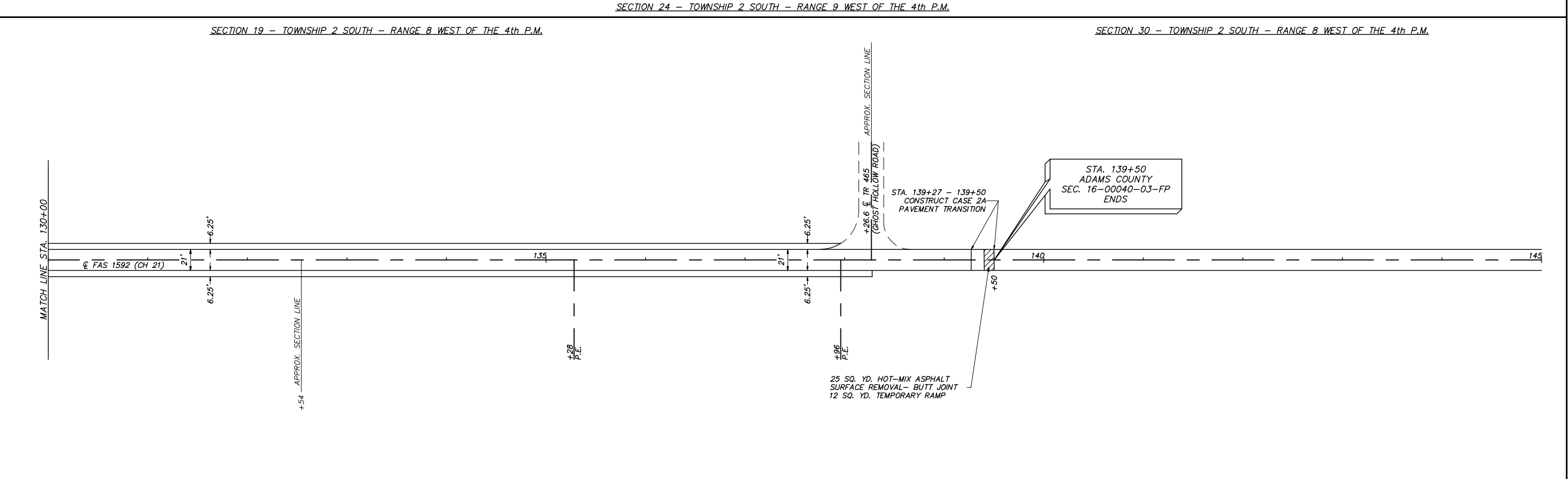
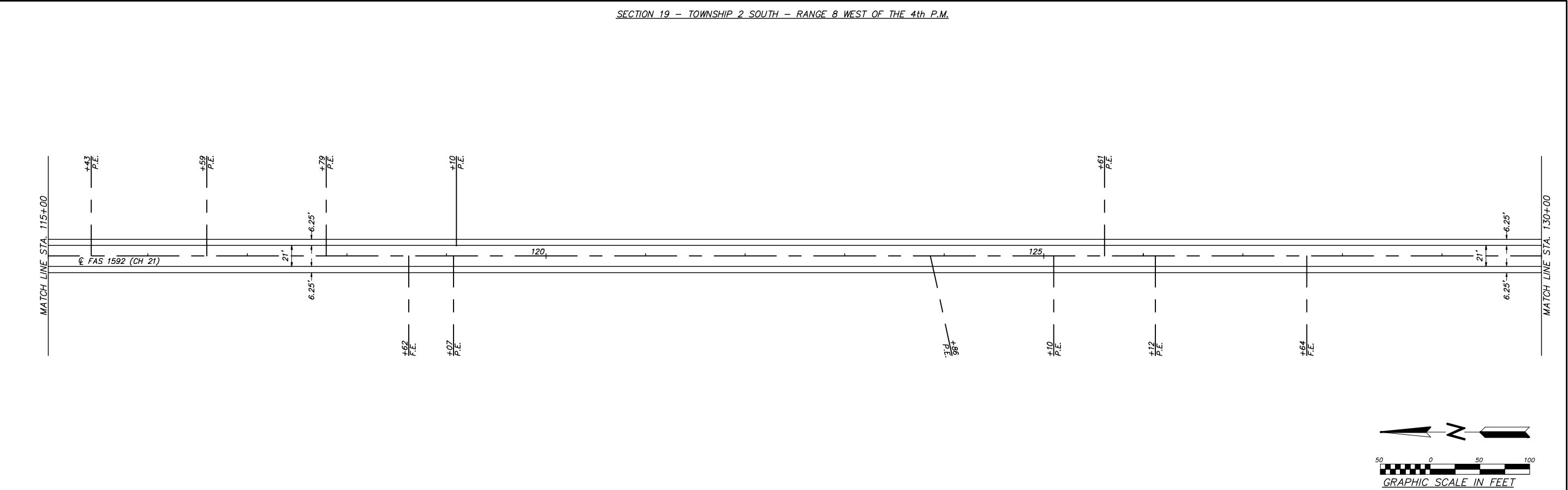
SECTION 24 - TOWNSHIP 2 SOUTH - RANGE 9 WEST OF THE 4th P.M.

SECTION 19 - TOWNSHIP 2 SOUTH - RANGE 8 WEST OF THE 4th P.M.

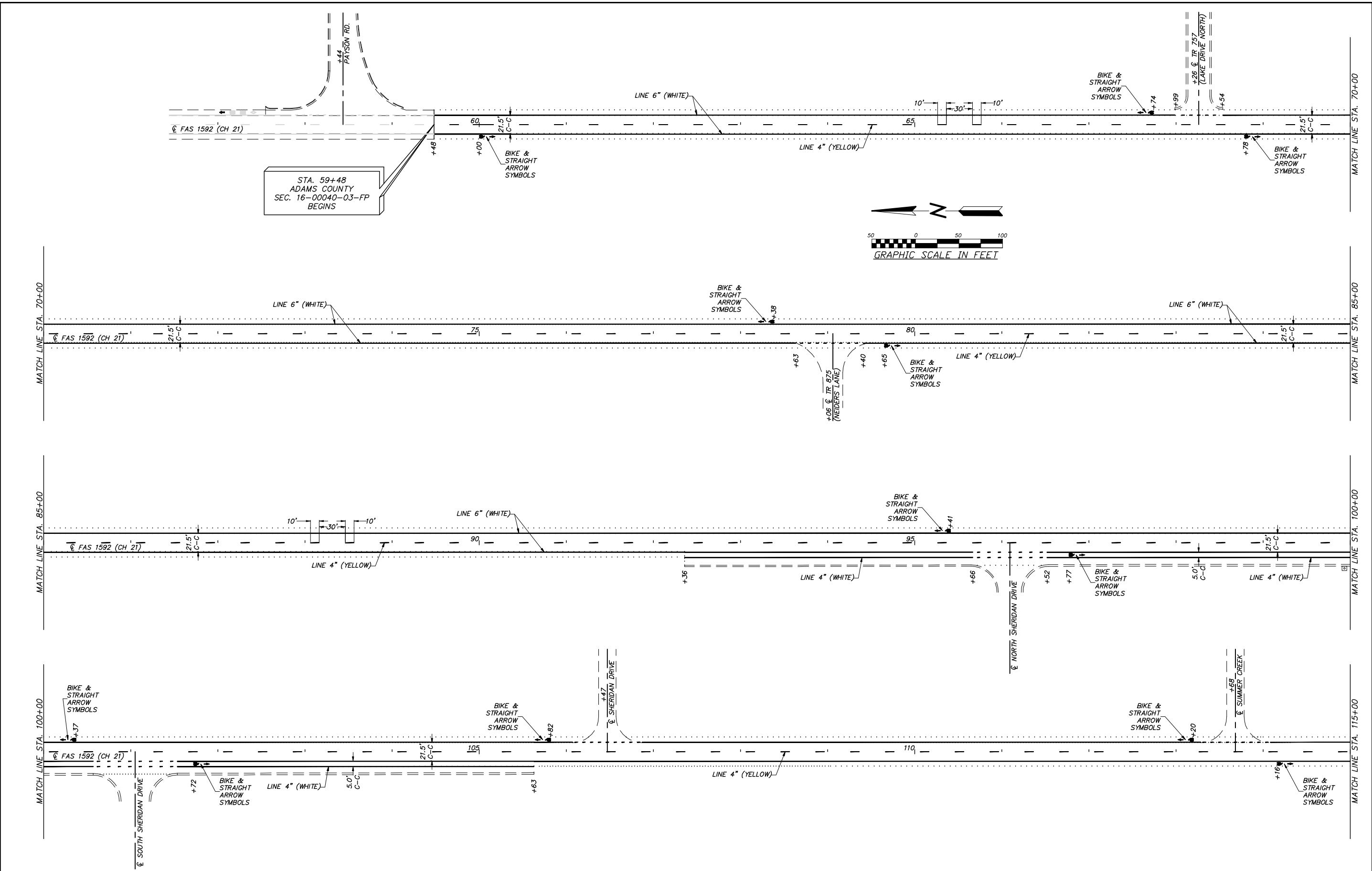


SECTION 24 - TOWNSHIP 2 SOUTH - RANGE 9 WEST OF THE 4th P.M.

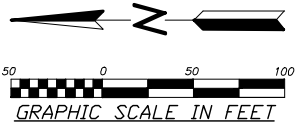
USER NAME = PLOT SCALE = 1:50 PLOT DATE =	DESIGNED - JRF	REVISED -	ADAMS COUNTY HIGHWAY DEPARTMENT		PLAN FAS ROUTE 1592 (CO HWY 21)		COUNTY	ROUTE	SECTION	TOTAL SHEETS	SHEET NO.
	DRAWN - JRF	REVISED -					ADAMS	FAS 1592	16-00040-03-FP	16	6
	CHECKED -	REVISED -									
	DATE -	REVISED -									
			SCALE 1"=50'	SHEET 2 OF 3 SHEETS	STA. 85+00 TO STA. 115+00	CONTRACT NO. 93715					



SECTION 24 - TOWNSHIP 2 SOUTH - RANGE 9 WEST			SECTION 25 - TOWNSHIP 2 SOUTH - RANGE 9 WEST OF THE 4th P.M.									
	USER NAME =	DESIGNED - JRF	REVISED -	ADAMS COUNTY HIGHWAY DEPARTMENT	PLAN			COUNTY	ROUTE	SECTION	TOTAL SHEETS	SHEET NO.
		DRAWN - JRF	REVISED -		FAS ROUTE 1592 (CO HWY 21)			ADAMS	FAS 1592	16-00040-03-FP	16	7
	PLOT SCALE = 1:50	CHECKED -	REVISED -									
	PLOT DATE =	DATE -	REVISED -									
					SCALE 1"=50'	SHEET 3 OF 3 SHEETS	STA. 115+00 TO STA. 145+00	CONTRACT NO. 93715				



	USER NAME =	DESIGNED - JRF	REVISED -	ADAMS COUNTY HIGHWAY DEPARTMENT	PAVEMENT MARKINGS FAS ROUTE 1592 (CO HWY 21)			COUNTY	ROUTE	SECTION	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1:50	DRAWN - JRF	REVISED -		SCALE 1"=50'	SHEET 1 OF 2 SHEETS	STA. 55+48 TO STA. 115+00	ADAMS	FAS 1592	16-00040-03-FP	16	8
	PLOT DATE =	CHECKED -	REVISED -									
		DATE -	REVISED -								CONTRACT NO. 93715	

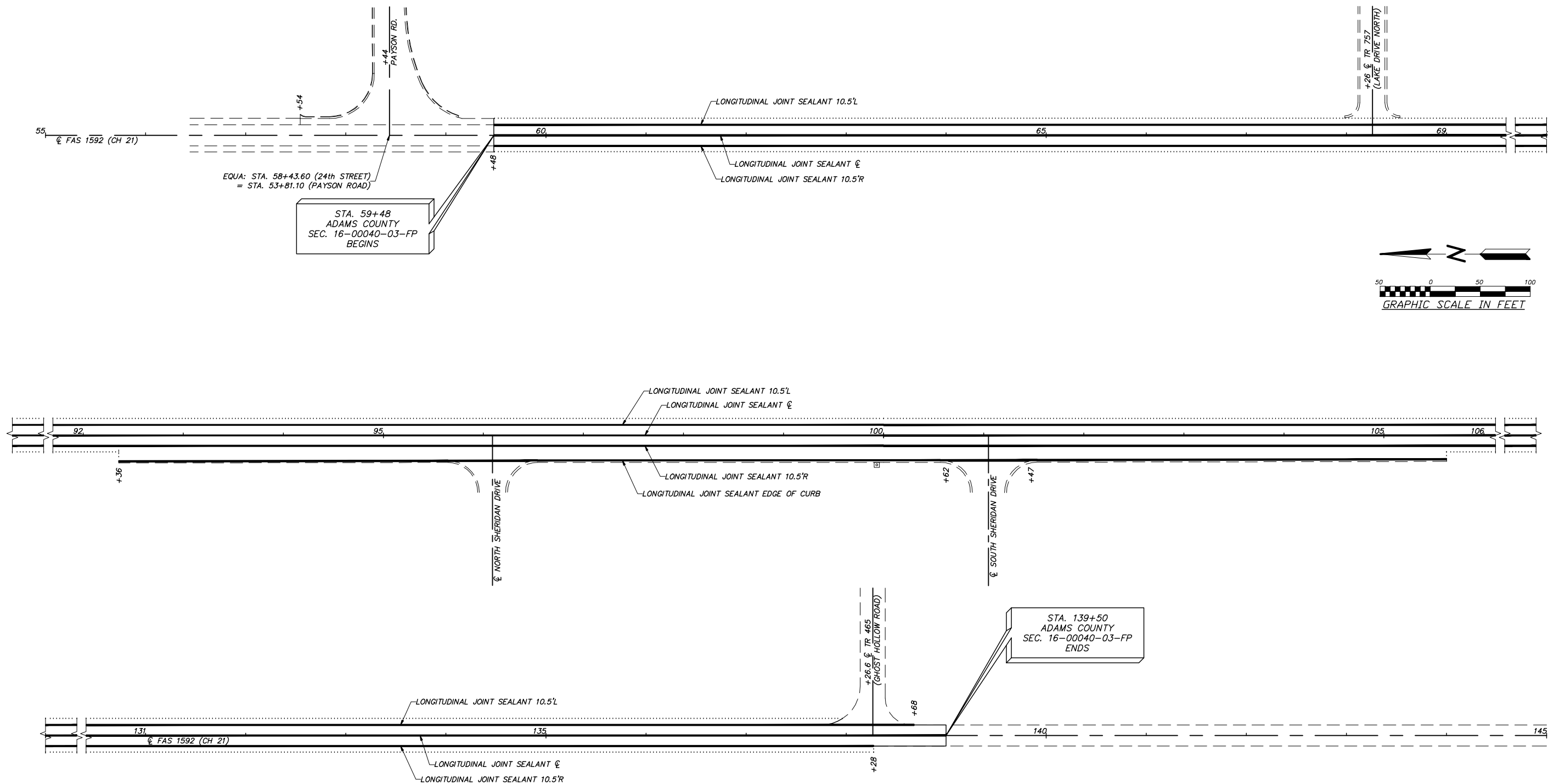


The diagram illustrates a T-intersection where a road with a left-turn lane meets a through road. Key features include:

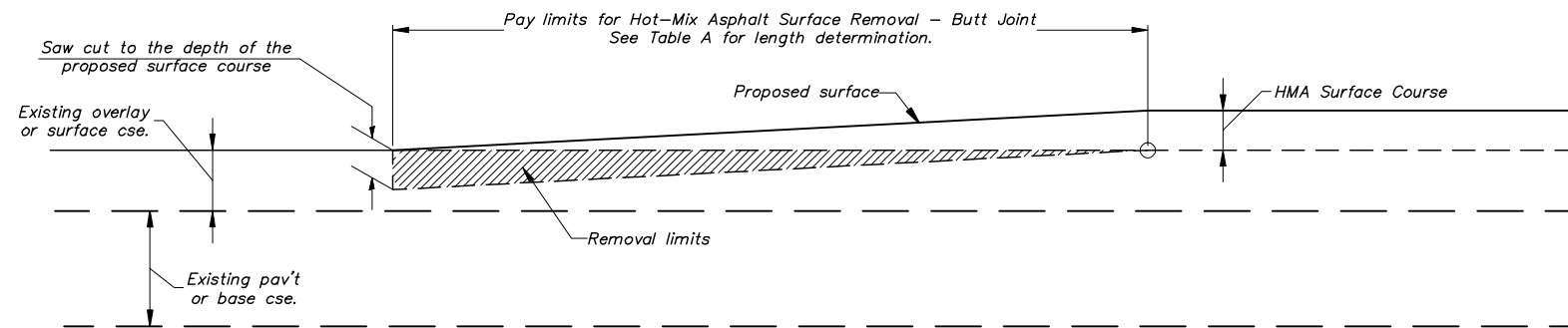
- Left-turn lane:** A dedicated lane for left-turning vehicles, marked with a left-turn arrow and a bicycle symbol. It is 50' MIN long before the intersection.
- Through lanes:** Two through lanes on the through road, each 11.25' wide. The left lane is marked with a right-turn arrow and a bicycle symbol.
- Dimensions:**
 - 6" WHITE EDGE LINE STRIPE: 6' from the edge of the left-turn lane.
 - 6" DASHED LINES THROUGH INTERSECTION: 6' from the centerline of the through lanes.
 - 4" WHITE: 4' from the centerline of the left-turn lane.
 - 4" DASHED LINES THROUGH INTERSECTION: 4' from the centerline of the left-turn lane.
 - 3' and 9' dimensions are shown for the intersection area.
- Labels:** RAD. PT. (Radius Point), +XX INSERTION POINT, and BIKE PATH LANE (for the left-turn lane).

LOCATION / STA. - STA.	THERMOPLASTIC PAVEMENT MARKINGS						
	LINE 4" YELLOW (SOLID)	LINE 4" YELLOW (DASHED)	LINE 4" WHITE (SOLID)	LINE 4" WHITE (DASHED) (3'/9')	LINE 6" WHITE (SOLID)	LINE 6" WHITE (DASHED) (3'/9')	LETTERS & SYMBOLS
	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT
STA. 59+48 - 92+36		820			6,444	39	56.0
STA. 92+36 - 105+63		330	1,145	45	2,472	45	44.8
STA. 105+63 - 139+50	2472	540			6,332	54	67.2
SUBTOTAL	2,472	1,690	1,145	45	15,248	138	168.0
TOTAL		5,352			15,386		168.0

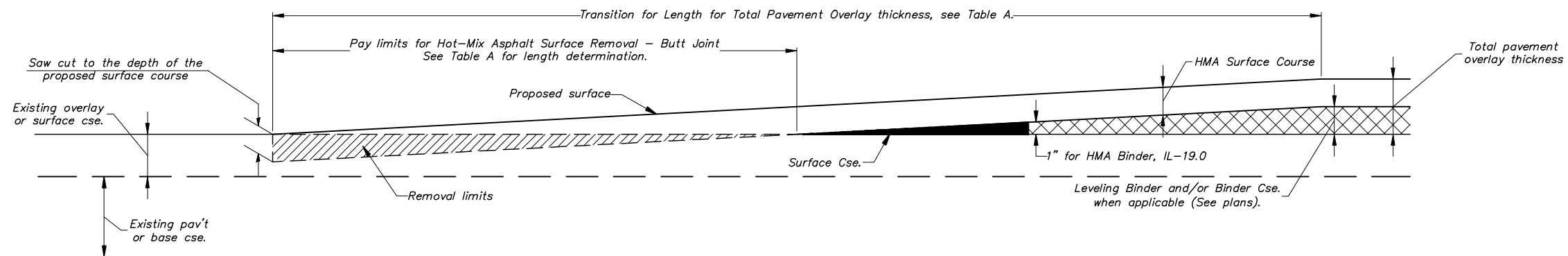
USER NAME = DESIGNED – JRF REVISED – PLOT SCALE = 1:50 CHECKED – REVISED – PLOT DATE = DATE – REVISED –	ADAMS COUNTY HIGHWAY DEPARTMENT	PAVEMENT MARKINGS FAS ROUTE 1592 (CO HWY 21)	COUNTY ROUTE SECTION TOTAL SHEETS SHEET NO.
	DRAWN – JRF REVISED –	ADAMS FAS 1592 16–00040–03–FP 16 9	
	SCALE 1"=50' SHEET 2 OF 2 SHEETS STA. 115+00 TO STA. 145+00	CONTRACT NO. 93715	



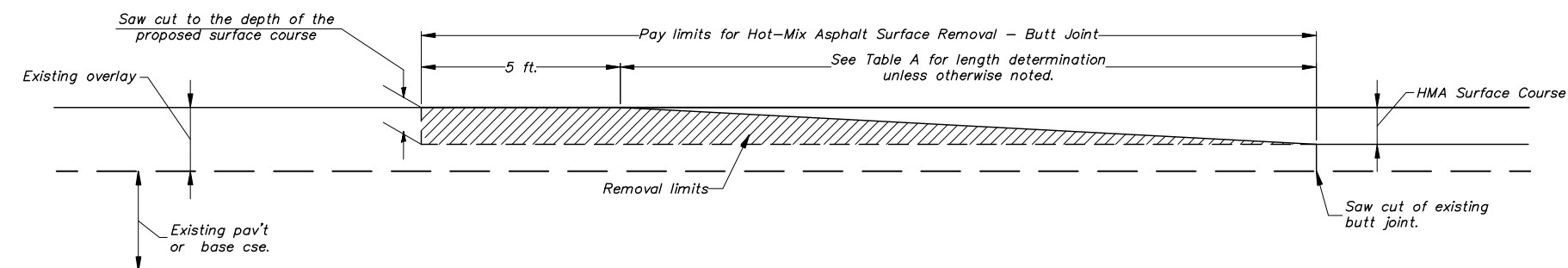
LONGITUDINAL JOINT SEALANT (FOOT)	
STA. - OFFSET	LENGTH
59+48 - 138+68 LT. EDGE OF PAVT	7,920
59+48 - 139+50 CENTERLINE	8,002
59+48 - 138+68 RT. EDGE OF PAVT	7,880
92+36 - 105+63 RT. EDGE OF CURB	1,327
TOTAL	25,129



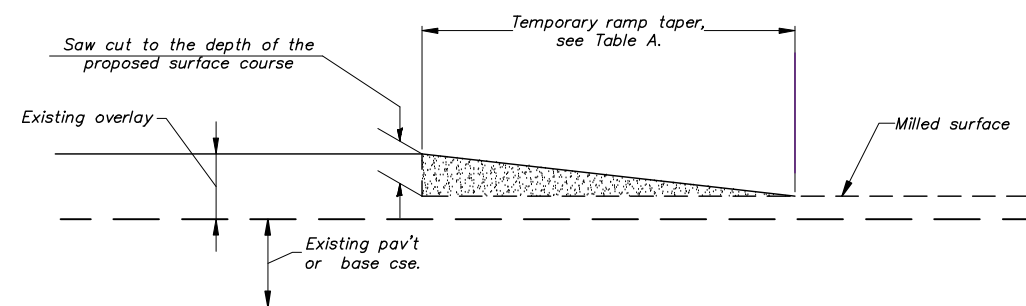
CASE 1: BUTT JOINT w/ SURFACE OVERLAY



CASE 1A: BUTT JOINT w/ SURFACE & BINDER OVERLAY



CASE 1B: BUTT JOINT w/ SURFACE OVERLAY TIE-IN TO EXISTING BUTT JOINT



TEMPORARY RAMP DETAIL

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 HMA 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 HMA material. The work will be in accordance with the applicable portions of Article 406.05.

TABLE A - TAPER RATES

ELEMENT	POSTED SPEED < 45 MPH	POSTED SPEED ≥ 45 MPH
BUTT JOINT	20' per 1" of DEPTH	30' per 1" of DEPTH
FEATHEREDGE	20' per 1" of THICKNESS	30' per 1" of THICKNESS LESS 8" from TOTAL
TEMPORARY RAMP	3' per 1" of HEIGHT	4' per 1" of DEPTH

Length of butt joint = Thickness of Surface Cse multiplied by the Taper Rate.
Length of Pav't Transition = Total Pav't thickness multiplied by the Taper Rate.

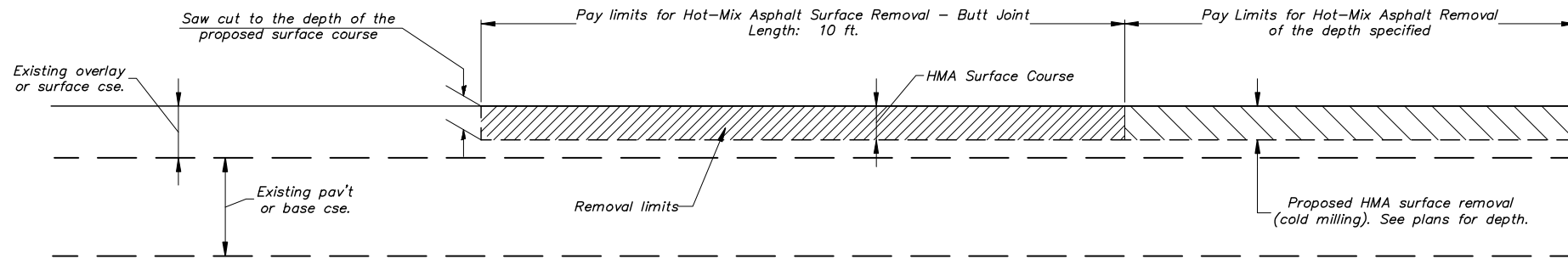
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PLOT SCALE = 1:20	DRAWN - JRF	REVISED -
PLOT DATE =	CHECKED -	REVISED -
	DATE - 1/14/2016	REVISED -

**ADAMS COUNTY
HIGHWAY DEPARTMENT**

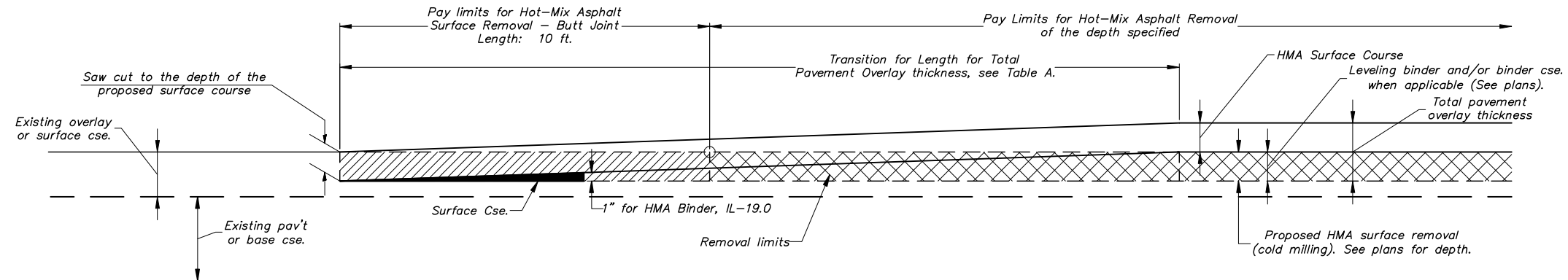
**BUTT JOINTS
FEATHER EDGE TRANSITIONS**

SCALE: NONE SHEET 1 OF 2 SHEETS STA. -- TO STA. --

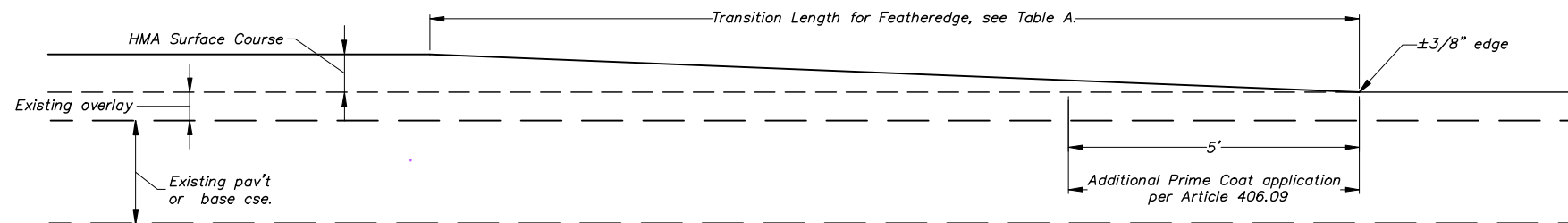
COUNTY	ROUTE	SECTION	TOTAL SHEETS	SHEET NO.
ADAMS	FAS 1592	16-00040-03-FP	16	11
CONTRACT NO. 93715				



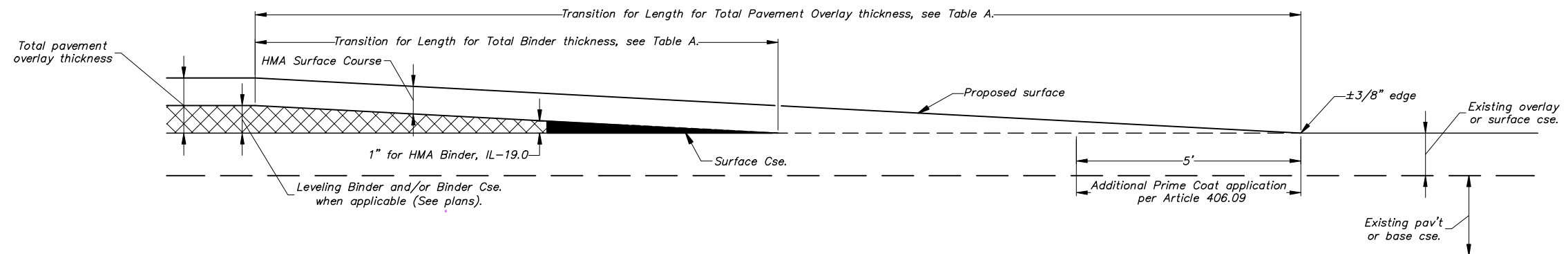
CASE 2: BUTT JOINT & SURFACE REMOVAL w/ RESURFACING



CASE 2A: BUTT JOINT & SURFACE REMOVAL w/ BINDER & RESURFACING



FEATHEREDGE APPROACH - SURFACE CSE



FEATHEREDGE APPROACH - SURFACE & BINDER CSE

USER NAME =	DESIGNED -	REVISED - 12/12/2017
	DRAWN - JRF	REVISED -
PLOT SCALE = 1:20	CHECKED -	REVISED -
PLOT DATE =	DATE - 1/14/2016	REVISED -

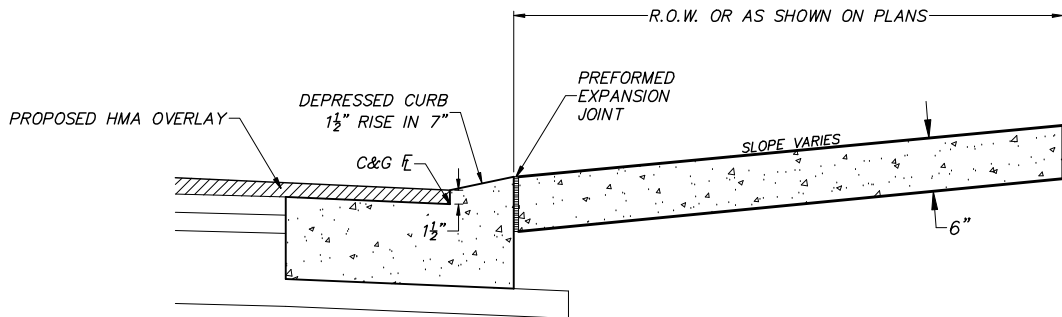
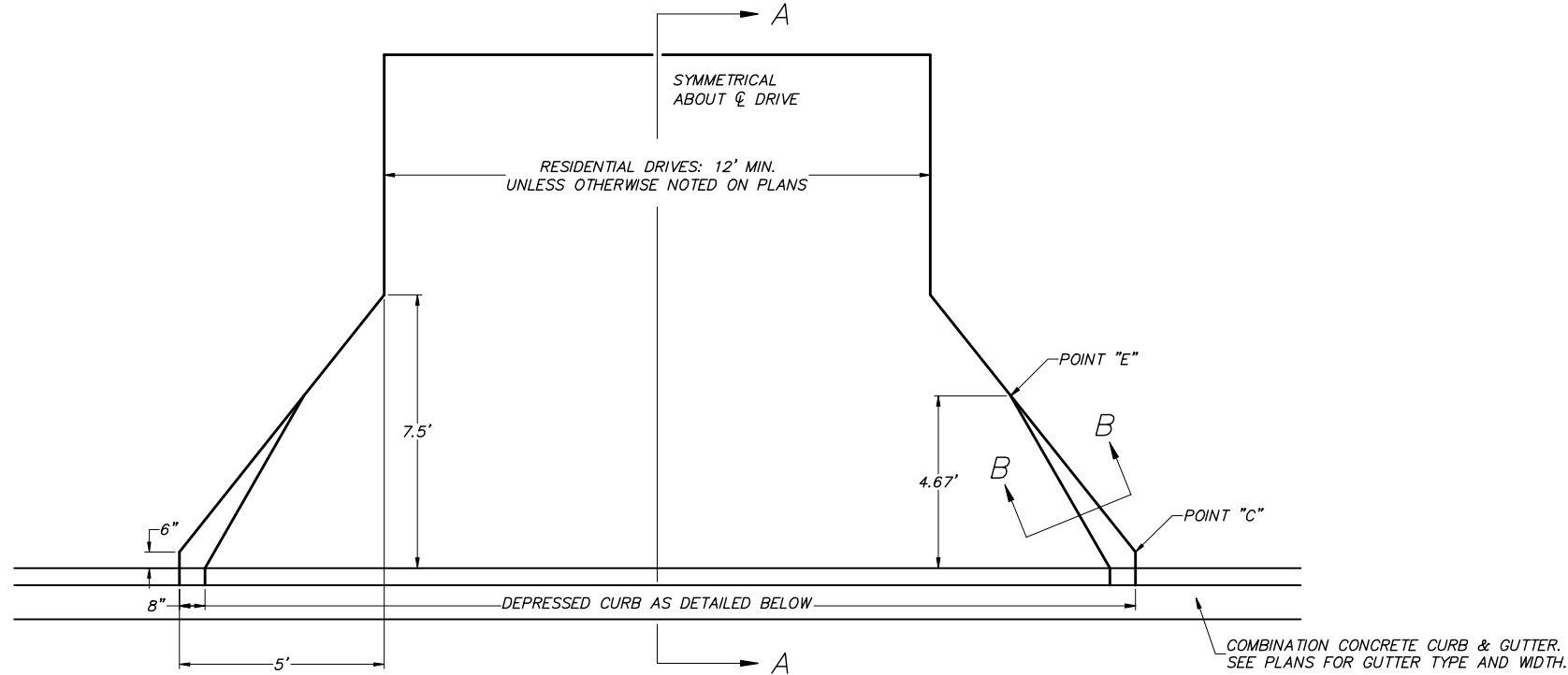
**ADAMS COUNTY
HIGHWAY DEPARTMENT**

**BUTT JOINTS
FEATHER EDGE TRANSITIONS**

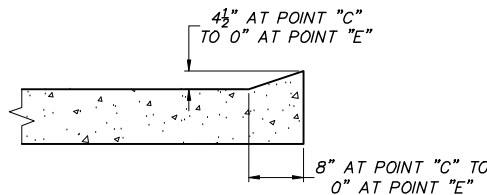
SCALE: NONE SHEET 2 OF 2 SHEETS STA. -- TO STA. --

COUNTY	ROUTE	SECTION	TOTAL SHEETS	SHEET NO.
ADAMS	FAS 1592	16-00040-03-FP	16	12
			CONTRACT NO. 93715	

RESIDENTIAL DRIVEWAY STANDARD



SECTION A-A

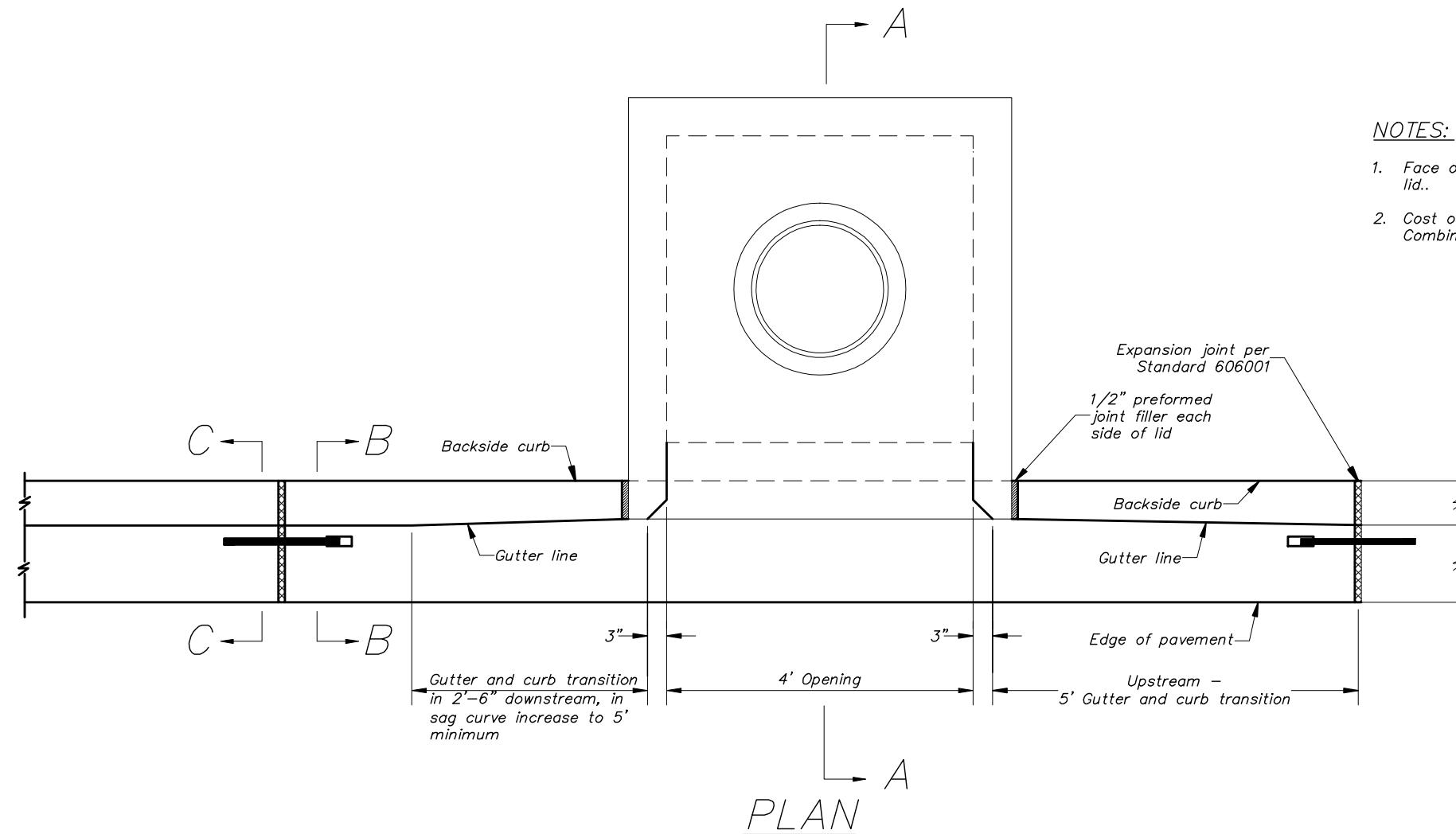


SECTION B-B

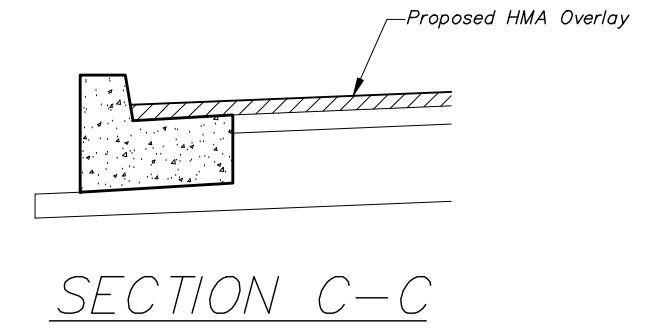
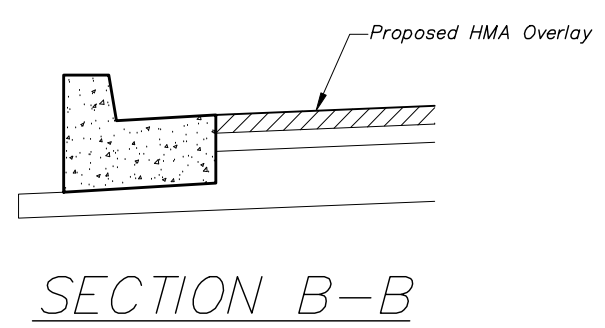
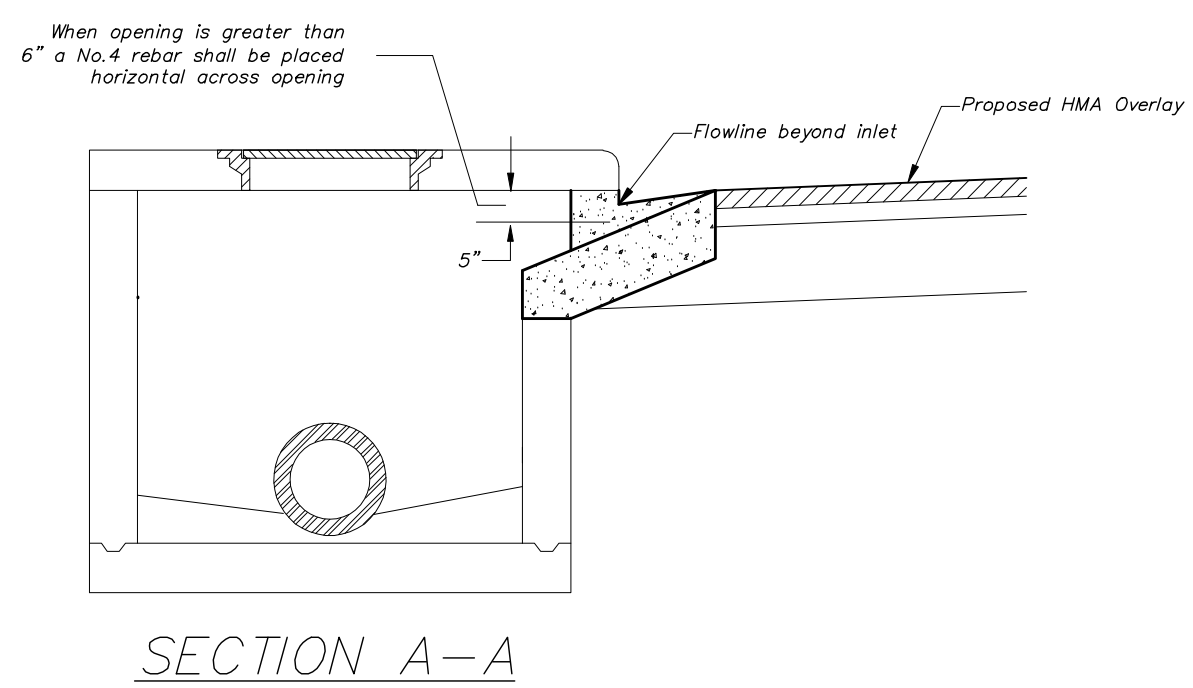
NOTES:

1. CLASS PV CONCRETE SHALL BE USED THROUGH-OUT.
2. THE INSTALLATION OF 1/2" PREFORMED EXPANSION JOINTS WHERE REQUIRED SHALL BE INCLUDED IN THE UNIT PRICE BID FOR P.C.C. CONCRETE DRIVEWAY PAVEMENT.
3. THE UNIT PRICE BID FOR THIS ITEM SHALL INCLUDE THE FURNISHING OF ALL LABOR AND MATERIALS NECESSARY TO CONSTRUCT THE P.C.C. DRIVEWAY PAVEMENT.
4. DRIVEWAY MAY REQUIRE A SLOPE CHANGE AT DETERMINED DISTANCES BEHIND CURB FOR SIDEWALK OR DRAINAGE CORRECTIONS DUE TO EXCESSIVE OR INADEQUATE SLOPE OF STRAIGHT LINE GRADE.
5. COST OF CONSTRUCTING A SLOPE CHANGE IF NECESSARY AND ALL JOINTING SHALL BE INCIDENTAL TO THE COST PER SQUARE YARD OF P.C.C. DRIVEWAY PAVEMENT.
6. REFER TO PLAN AND PROFILE SHEETS FOR DRIVEWAY WIDTHS OR MATCH EXISTING.
7. SAW OR SCRATCH JOINTS IN EACH ENTRANCE SO THAT NO SECTION REMAINS LARGER THAN 12 FEET IN ANY DIMENSION, UNLESS OTHERWISE NOTED.
8. MAXIMUM WIDTH OF A DRIVEWAY ENTRANCE AT THE RIGHT-OF-WAY LINE SHALL BE THIRTY (30) FEET UNLESS OTHERWISE NOTED.
9. THE COMBINATION CONCRETE CURB AND GUTTER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 606 OF THE STANDARD SPECIFICATIONS. THE COMB. C&G WILL BE MEASURED IN PLACE AND PAID FOR AT THE CONTACT UNIT PRICE PER FOOT.
10. ALL REINFORCEMENT BARS ARE TO BE EPOXY COATED. SUPPORT PINS FOR THE TIE BARS, WHEN REQUIRED, SHALL BE OF A SIZE AND STRENGTH SUFFICIENT TO HOLD THE BAR IN PLACE.

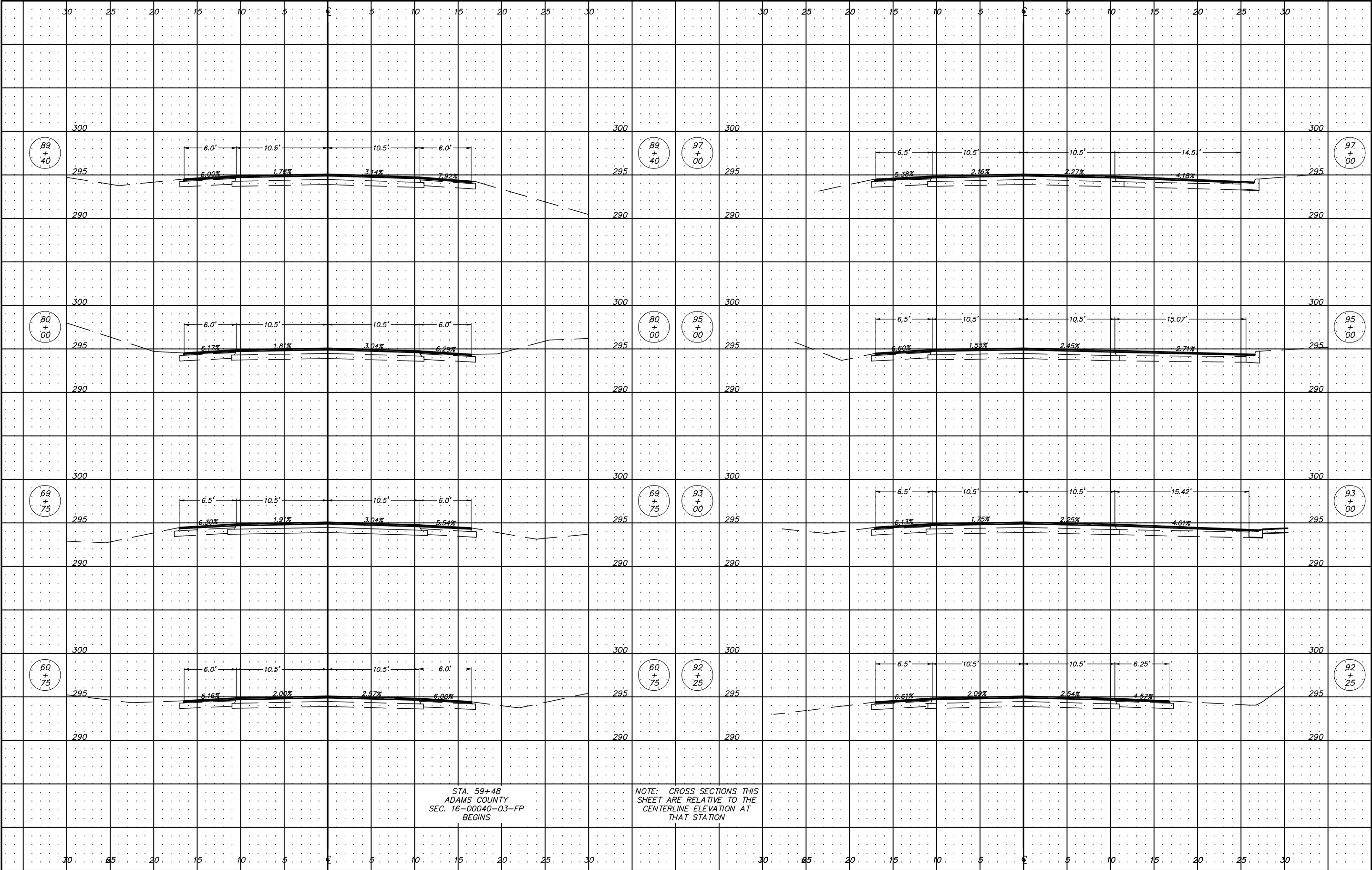
	USER NAME =	DESIGNED –	REVISED –	ADAMS COUNTY HIGHWAY DEPARTMENT	PCC DRIVEWAY			COUNTY	ROUTE	SECTION	TOTAL SHEETS	SHEET NO.
		DRAWN –	REVISED –					ADAMS	FAS 1592	16–00040–03–FP	16	13
	PLOT SCALE = 1:10	CHECKED –	REVISED –		SCALE 1"=5'			SHEET 1 OF 1 SHEETS			STA. -- TO STA. --	
	PLOT DATE =	DATE –	REVISED –					CONTRACT NO. 93715				



- NOTES:**
1. Face of curb shall conform with the radius of the existing inlet lid..
 2. Cost of reinforcing bars and dowel bars incidental to Combination Concrete Curb & Gutter.



	USER NAME =	DESIGNED -	REVISED -	ADAMS COUNTY HIGHWAY DEPARTMENT	INLETS, SPECIAL, TYPE E			COUNTY	ROUTE	SECTION	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					ADAMS	FAS 1592	16-00040-03-FP	16	14
	PLOT SCALE = 1:5	CHECKED -	REVISED -									
	PLOT DATE =	DATE -	REVISED -									
								SCALE 1"=5'	SHEET -- OF -- SHEETS	STA. -- TO STA. --	CONTRACT NO. 93715	



STA. 59+48
ADAMS COUNTY
SEC. 16-00040-03-FP
BEGINS

NOTE: CROSS SECTIONS THIS
SHEET ARE RELATIVE TO THE
CENTERLINE ELEVATION AT
THAT STATION

USER NAME =		DESIGNED -	REVISED -	ADAMS COUNTY HIGHWAY DEPARTMENT		SOUTH 24TH ST CROSS SECTIONS		COUNTY	ROUTE	SECTION	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 1:5		DRAWN -	REVISED -					ADAMS	FAS 1582	16-00040-03-FP	16	15
PLOT DATE =		CHECKED -	REVISED -									
		DATE -	REVISED -									
				SCALE 1" = 5'		SHEET 1 OF 2 SHEETS		STA 60+75 TO STA 97+00		CONTRACT NO. 93715		

