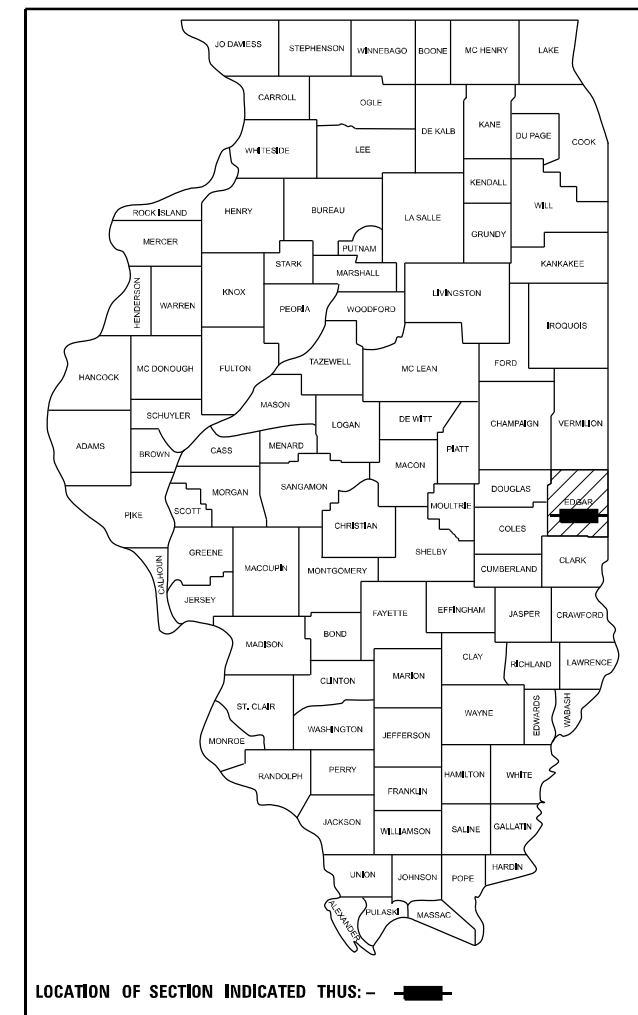


FOR INDEX OF SHEETS, SEE SHEET NO. 2
 FOR TRAFFIC DATA, SEE SHEET NO. 3
 FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4-8

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14CR)	EDGAR	157	1
		ILLINOIS	CONTRACT NO. 70C14	

P-95-029-20



LOCATION OF SECTION INDICATED THUS: - [shaded box] -

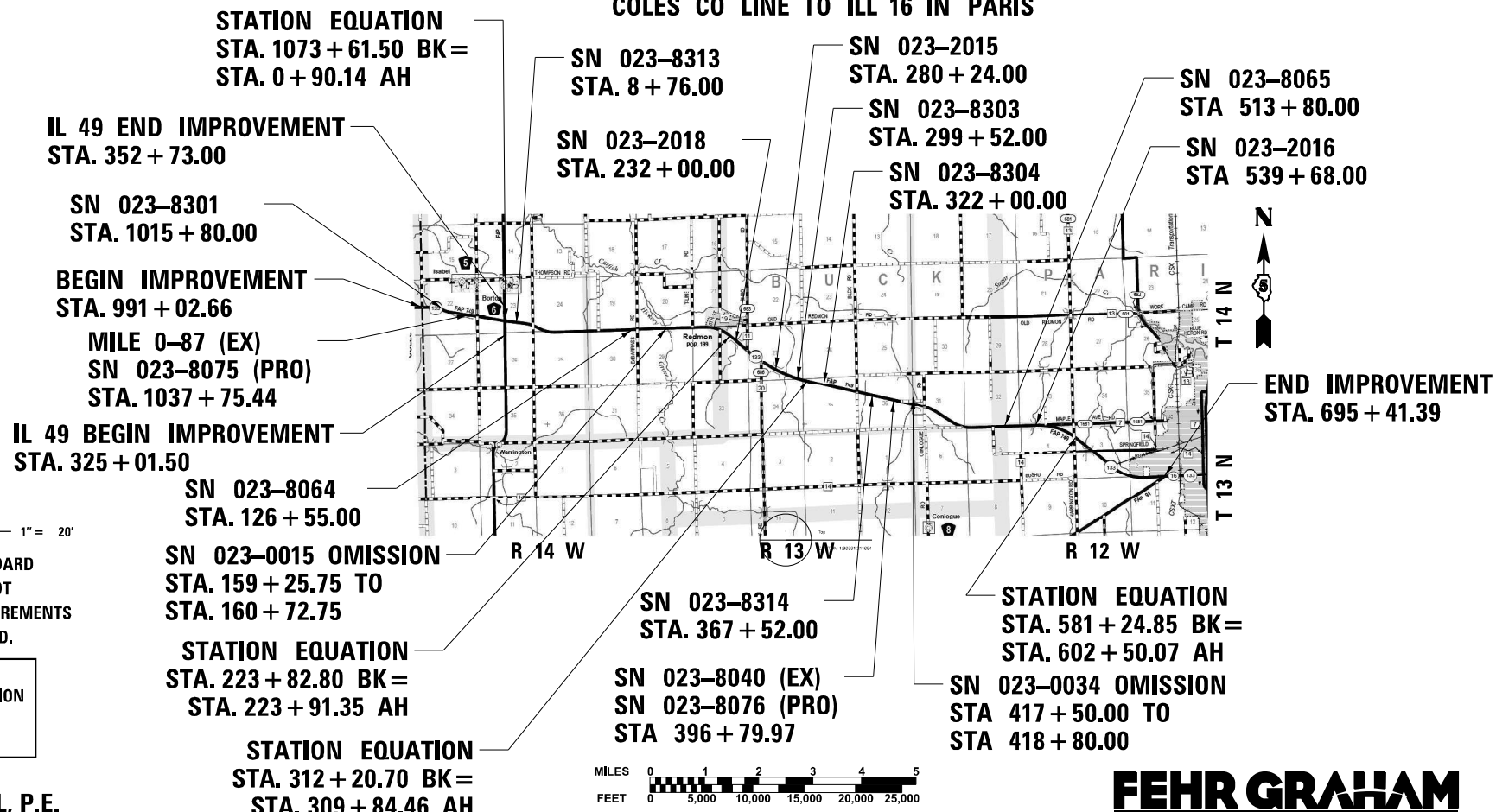
PROPOSED HIGHWAY PLANS

FAP ROUTE 749 (ILL 133)
 SECTION (14)RS-3(122)RS-4,(14CR)
 PROJECT STP-HBFP-IWL5(692)
 3P RESURFACING (STANDARD OVERLAY)
 CULVERT REPLACEMENT
 EDGAR COUNTY

	FEHR GRAHAM JASON W. DOVE, P.E. <i>Jason W. Dove</i> DATE: 03/18/2024 SIGNATURE AND SEAL APPLIES TO DRAWING(S): 1-39,42-95,106-108,129-137,139-145,147
	HERMANN & ASSOCIATES, LLC JESSICA A. SMITH, P.E. <i>Jessica Smith</i> DATE: 03/18/2024 SIGNATURE AND SEAL APPLIES TO DRAWING(S): 40,109-113,138,148-155
	ATLAS MEHMET B. CIVELEK, P.E., S.E. <i>M. B. Civelek</i> DATE: 03/18/2024 SIGNATURE AND SEAL APPLIES TO DRAWING(S): 41,96-105,114-128,146,156-157

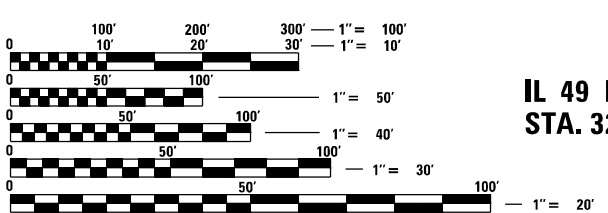
C-95-045-20

COLES CO LINE TO ILL 16 IN PARIS



DESIGN DESIGNATION
 MINOR ARTERIAL

TOWNSHIPS
 EMBARRASS. BUCK, & PARIS



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: RYAN T. CARROLL, P.E.
 PROJECT MANAGER: DAVID F. JAYME, P.E.
 TELEPHONE: (217) 465-4181
 CONTRACT NO. 70C14

MILES 0 1 2 3 4 5
 FEET 0 5,000 10,000 15,000 20,000 25,000

GROSS LENGTH = 75,737.81 FT. = 14.344 MILE
 NET LENGTH = 75,460.81 FT. = 14.292 MILE

FEHR GRAHAM
 ENGINEERING & ENVIRONMENTAL

AEG ATLAS ENGINEERING GROUP, LTD. **HERMANN & Associates, LLC**
 Civil Engineers

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUBMITTED March 21 20 24

Kensil A. Jannott
 REGIONAL ENGINEER

May 10, 2024 *Scott A. Etk*
 ENGINEER OF DESIGN AND ENVIRONMENT

May 10, 2024 *Stephen M. Smith*
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

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HIGHWAY STANDARDS

STANDARD	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
406201-01	MAILBOX TURNOUT
420001-10	PAVEMENT JOINTS
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
442101-09	CLASS B PATCHES
442201-03	CLASS C & D PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
482011-03	HMA SHLD, STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
483001-06	PCC SHOULDER
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602401-07	PRECAST MANHOLE TYPE A 4' DIAMETER
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS TYPE 1
630001-13	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 GUARDRAIL TERMINALS
642006-01	SHOULDER RUMBLE STRIPS, 8 IN.
667101-02	PERMANENT SURVEY MARKERS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS 2L, 2W, DAY ONLY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701206-05	LANE CLOSURE, 2L, 2W NIGHT ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY
701321-18	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING FOR SPEEDS ≥ 45 MPH
701336-07	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES FOR SPEEDS ≥ 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901-09	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
725001-01	OBJECT AND TERMINAL MARKERS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

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PLOT DATE = 3/21/2024	CHECKED - JWD	REVISED -
	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS &
LIST OF HIGHWAY STANDARDS & COMMITMENTS

SCALE:	SHEET 1	OF 2	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14CR)	EDGAR	157	2
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP RURAL-IWL5(692)				

GENERAL NOTES

G.N.-100B
 MICROSTATION 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 SOLE 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.

G.N.-105.09A
 ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD 88)

G.N.-406S
 PROJECT POSTED SPEED LIMITS

THE FOLLOWING TABLE IS A LISTING OF POSTED SPEED LIMITS WITHIN THE PROJECT LIMITS. THE ENGINEER SHALL FIELD VERIFY THESE LIMITS:

STATION	TO STATION	POSTED SPEED LIMIT (MPH)
IL 133		
991+50.51	1073+61.50	55 MPH
0+90.14	223+82.80	55 MPH
223+91.35	312+20.70	55 MPH
309+84.46	581+24.85	55 MPH
602+50.07	673+00.00	55 MPH
673+00.00	694+62.68	50 MPH
694+62.68	701+16.23	35 MPH
IL 49		
325+01.50	352+73.00	55 MPH

G.N.-408B
 THE INCIDENTAL HOT-MIX ASPHALT SURFACING SHALL BE COMPACTED AS REQUIRED BY THE SPECIFICATIONS FOR DESIGN NUMBER OF GYRATIONS BEING USED.

AT THE FOLLOWING LOCATIONS:
 *SEE INCIDENTAL SCHEDULE OF QUANTITIES

G.N.-601A
 MATERIALS FOR PIPE DRAINS SHALL BE ONLY ITEMS (2), (3) OR (5) FROM ARTICLE 601.02(a)

G.N.-703A
 SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE PAVEMENT AFTER ANY OF THE FOLLOWING: COLD MILLING AND/OR PLACING BITUMINOUS MATERIALS (TACK COAT), LEVELING BINDER (MACHINE METHOD), BINDER AND SURFACE COURSES. SHORT TERM PAVEMENT MARKING PLACED ON THE SURFACE SHALL COINCIDE WITH THE FINAL PAVEMENT STRIPING. SHORT TERM PAVEMENT MARKING PLACED PRIOR TO THE SURFACE SHALL COINCIDE WITH THE EXISTING PAVEMENT MARKINGS. USE 4 FEET PER 40 FEET (OR 10% PER STATION).

G.N.-781
 THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS.

G.N.-406H

MIXTURE REQUIREMENTS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

Location	IL 133 & IL 49	IL 133 & IL 49	IL 133 & IL 49	IL 133	IL 133
Mixture Use	Surface mainline & shoulder	Binder mainline	Class D Patches Bottom Binder Shoulders	Incidental	Base Course Widening-HMA option
AC/PG	SBS PG 64-28	SBS PG 64-28	PG 64-22	PG 64-22	PG 64-22
Design Air Voids	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=50	4.0% @ Ndes=50
Mix Comp(Gradation)	IL 9.5	IL 9.5 FG	IL 19.0	IL 9.5	IL 19.0
Friction Aggregate	Mix C	N.A.	N.A.	Mix C	N.A.
Mixture Weight	112	112	112	112	112
Quality Management Program	QCP	QCP	QC/QA	QC/QA	QC/QA
Sublot Size	1000	1000	3000	3000	3000
Material Transfer Device (Required ?)	No	No	No	No	No

MATERIAL TRANSFER DEVICE (MTD) INFORMATION:

IF THE CONTRACTOR ELECTS TO USE AN MTD, THE FOLLOWING REQUIREMENTS WILL APPLY.

BASED ON STRUCTURAL ANALYSIS, THE FOLLOWING STRUCTURES CAN BE CROSSED WITH AN EMPTY MTD WITH THE FOLLOWING MAXIMUM GROSS WEIGHT RESTRICTIONS:

- 023-0015 (40 TONS)
- 023-0034 (40 TONS)
- 023-2015 (40 TONS)
- 023-2016 (40 TONS)
- 023-2018 (40 TONS)
- 023-8040 (40 TONS)
- 023-8064 (40 TONS)
- 023-8065 (40 TONS)
- 023-8301 (40 TONS)
- 023-8303 (40 TONS)
- 023-8304 (40 TONS)
- 023-8313 (40 TONS)
- 023-8314 (40 TONS)

IF THE SAME MTD IS USED THROUGHOUT THE ENTIRE CONTRACT, THEN IT MUST BE LIMITED TO AN EMPTY GROSS WEIGHT OF 40 TONS OR LESS.

TRAFFIC DATA

	LEG A	LEG B	LEG C	LEG D	LEG E	LEG F	LEG G
2040 ADT =	1,700	2,050	2,300	2,550	4,200	1,400	750
PV% =	82.8%	81.3%	76.9%	73.7%	90.2%	86.7%	88.3%
SU% =	3.9%	3.8%	5.2%	8.9%	3.2%	3.3%	2.7%
MU% =	13.3%	14.9%	17.9%	17.4%	6.6%	10.0%	9.0%

TRAFFIC DATA LOCATIONS

- LEG A = IL 133 FROM COLES COUNTY LINE TO IL 49
- LEG B = IL 133 FROM IL 49 TO 6TH ST IN REDMON
- LEG C = IL 133 FROM 6TH ST IN REDMON TO MAPLE AV W. OF PARIS
- LEG D = IL 133 FROM MAPLE AV WE OF PARIS TO STRATTON DR IN PARIS
- LEG E = IL 133 FROM STRATTON DR TO IL 16
- LEG F = IL 49 NORTH OF IL 133
- LEG G = IL 49 SOUTH OF IL 133

COMMITMENTS

NO COMMITMENTS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GENERAL NOTES
 & COMMITMENTS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	3
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP RURAL-IWL5(692)				

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SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
					LOCATION OF WORK		
					FUNDING BREAKOUT		
					FAP 749 (ILL 133) FAP 836 (ILL 49) S.N. 023-8075 RURAL TWO-LANE EDGAR COUNTY	FAP 749 (ILL 133) URBAN TWO-LANE EDGAR COUNTY STA. 623+00 STA. 695+41.39	FAP 749 (ILL 133) RURAL TWO-LANE EDGAR COUNTY STA. 396+79.97
					80% FED 20% STATE ROADWAY	80% FED 20% STATE ROADWAY	80% FED 20% STATE BOX CULVERT
					0005 RURAL	0005 URBAN	0004 S.N. 023-8076
	20200100	EARTH EXCAVATION	CU YD	1165	1105	60	
	20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	14	7		7
	20400800	FURNISHED EXCAVATION	CU YD	180	135	45	
	20700220	POROUS GRANULAR EMBANKMENT	CU YD	110	49		61
	20800150	TRENCH BACKFILL	CU YD	112	112		
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	968	431		537
	21301060	EXPLORATION TRENCH 60" DEPTH	FOOT	200	100		100
	21400100	GRADING AND SHAPING DITCHES	FOOT	7623	7423		200
	25000210	SEEDING, CLASS 2A	ACRE	5	4.75		0.25
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	410	400		10
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	410	400		10
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	410	400		10
	25100115	MULCH, METHOD 2	ACRE	1.5	1.25		0.25
	25100125	MULCH, METHOD 3	ACRE	2	2		

* DENOTES SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 1 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	4
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-1W5(692)				

SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
					LOCATION OF WORK		
					FUNDING BREAKOUT		
					FAP 749 (ILL 133) FAP 836 (ILL 49) S.N. 023-8075 RURAL TWO-LANE EDGAR COUNTY	FAP 749 (ILL 133) URBAN TWO-LANE EDGAR COUNTY STA. 623+00 STA. 695+41.39	FAP 749 (ILL 133) RURAL TWO-LANE EDGAR COUNTY STA. 396+79.97
					80% FED 20% STATE ROADWAY	80% FED 20% STATE ROADWAY	80% FED 20% STATE BOX CULVERT
					0005	0005	0004
					RURAL	URBAN	S.N. 023-8076
	25100630	EROSION CONTROL BLANKET	SQ YD	7684	7684		
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	475	460		15
	28000305	TEMPORARY DITCH CHECKS	FOOT	132	132		
	28000400	PERIMETER EROSION BARRIER	FOOT	100	100		
	28000500	INLET AND PIPE PROTECTION	EACH	5	5		
	28100101	STONE RIPRAP, CLASS A1	SQ YD	136	56		80
	30201700	PORTLAND CEMENT	TON	431	390	41	
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	154720	141090	13630	
	40600370	LONGITUDINAL JOINT SEALANT	FOOT	165073	150542	14531	
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1028	902	126	
	40600990	TEMPORARY RAMP	SQ YD	5856	3937	1919	
	40603218	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70	TON	16546	15133	1413	
	40604152	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	19254	17558	1696	
	40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	4710	2880	1830	

* DENOTES SPECIALTY ITEM

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DESIGNED - RAB
DRAWN - MCE
CHECKED - JWD
DATE - 03/21/2024

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 2 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	5
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-1W5(692)				

SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
					LOCATION OF WORK		
					FUNDING BREAKOUT		
					FAP 749 (ILL 133) FAP 836 (ILL 49) S.N. 023-8075 RURAL TWO-LANE EDGAR COUNTY	FAP 749 (ILL 133) URBAN TWO-LANE EDGAR COUNTY STA. 623+00 STA. 695+41.39	FAP 749 (ILL 133) RURAL TWO-LANE EDGAR COUNTY STA. 396+79.97
					80% FED 20% STATE ROADWAY	80% FED 20% STATE ROADWAY	80% FED 20% STATE BOX CULVERT
					0005 RURAL	0005 URBAN	0004 S.N. 023-8076
	40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	1242	760	482	
	44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SQ YD	56932	42583	14349	
	44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	90650	84816	5834	
	44200050	WELDED WIRE REINFORCEMENT	SQ YD	59	59		
	44200988	CLASS B PATCHES, TYPE IV, 11 INCH	SQ YD	59	59		
	44201298	DOWEL BARS 1 1/4"	EACH	96	96		
	44201311	CLASS C PATCHES, TYPE IV, 6 INCH	SQ YD	24			24
	44201409	CLASS C PATCHES, TYPE IV, 14 INCH	SQ YD	68			68
	44201803	CLASS D PATCHES, TYPE II, 13 INCH	SQ YD	160	160		
	44201807	CLASS D PATCHES, TYPE III, 13 INCH	SQ YD	244	228	16	
	44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SQ YD	1074	1047	27	
	44213200	SAW CUTS	FOOT	296	296		
	44213204	TIE BARS 3/4"	EACH	30	30		
	48101200	AGGREGATE SHOULDERS, TYPE B	TON	420	420		

* DENOTES SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE: N/A	SHEET 3	OF 9 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14CR)	EDGAR	157	6
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				

SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
					LOCATION OF WORK		
					FUNDING BREAKOUT		
			RURAL	URBAN	S.N. 023-8076		
	48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	5390	5252	138	
	48203023	HOT-MIX ASPHALT SHOULDERS, 6 1/2"	SQ YD	855	855		
	48300100	PORTLAND CEMENT CONCRETE SHOULDERS 6"	SQ YD	21	21		
	50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1	1		
	50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1			1
	50105220	PIPE CULVERT REMOVAL	FOOT	268	268		
	51500100	NAME PLATES	EACH	2	1		1
	52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	100	47		53
	54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2	2		
	54001002	BOX CULVERT END SECTIONS, CULVERT NO. 2	EACH	2			2
	54010602	PRECAST CONCRETE BOX CULVERTS 6' X 2'	FOOT	36	36		
	54010902	PRECAST CONCRETE BOX CULVERTS 9' X 2'	FOOT	42			42
	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	1		
	54248510	CONCRETE COLLAR	CU YD	3	3		

* DENOTES SPECIALTY ITEM

MODEL: S004
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USER NAME = jason.dove
PLOT SCALE = 0.16666633' / in.
PLOT DATE = 4/10/2024

DESIGNED - RAB
DRAWN - MCE
CHECKED - JWD
DATE - 03/21/2024

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 4 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	7
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-WL5(692)				

SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
					LOCATION OF WORK		
					FUNDING BREAKOUT		
					FAP 749 (ILL 133) FAP 836 (ILL 49) S.N. 023-8075 RURAL TWO-LANE EDGAR COUNTY	FAP 749 (ILL 133) URBAN TWO-LANE EDGAR COUNTY STA. 623+00 STA. 695+41.39	FAP 749 (ILL 133) RURAL TWO-LANE EDGAR COUNTY STA. 396+79.97
					80% FED 20% STATE ROADWAY	80% FED 20% STATE ROADWAY	80% FED 20% STATE BOX CULVERT
					0005	0005	0004
					RURAL	URBAN	S.N. 023-8076
	54260315	TRAVERSABLE PIPE GRATE FOR CONCRETE END SECTION	FOOT	92	36		56
	542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	8	8		
	542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	255	255		
	542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	85	85		
	550A0330	STORM SEWERS, CLASS A, TYPE 2 10"	FOOT	48	48		
	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	147	147		
	55100400	STORM SEWER REMOVAL 10"	FOOT	48	48		
	55100500	STORM SEWER REMOVAL 12"	FOOT	188	188		
	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	64			64
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	9	9		
	60258200	MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1		

* DENOTES SPECIALTY ITEM

MODEL: SDO 5
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USER NAME = jason.dove	DESIGNED - RAB	REVISED -
	DRAWN - MCE	REVISED -
PLOT SCALE = 0.16666633' / in.	CHECKED - JWD	REVISED -
PLOT DATE = 4/10/2024	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE: N/A	SHEET 5	OF 9 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	8
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				

SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
					LOCATION OF WORK	FUNDING BREAKOUT	
					FAP 749 (ILL 133) FAP 836 (ILL 49) S.N. 023-8075 RURAL TWO-LANE EDGAR COUNTY	FAP 749 (ILL 133) URBAN TWO-LANE EDGAR COUNTY STA. 623+00 STA. 695+41.39	FAP 749 (ILL 133) RURAL TWO-LANE EDGAR COUNTY STA. 396+79.97
					80% FED 20% STATE ROADWAY	80% FED 20% STATE ROADWAY	80% FED 20% STATE BOX CULVERT
					0005	0005	0004
					RURAL	URBAN	S.N. 023-8076
	67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	18	18		
	67100100	MOBILIZATION	L SUM	1	1		
	70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	2	1		1
	70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.5		0.5
	70100455	TRAFFIC CONTROL AND PROTECTION, STANDARD 701206	L SUM	1	0.5		0.5
	70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1		
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1		
	70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	2	1		1
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	28470	25836	2634	
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	3056	2153	219	684
	70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	500	500		
	70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	565609	558446	7163	

* DENOTES SPECIALTY ITEM

MODEL: SDO 6
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PLOT SCALE = 0.16666633' / in.	CHECKED - JWD	REVISED -
PLOT DATE = 5/6/2024	DATE - 03/21/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 6 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	9
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-WL5(692)				

SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
					LOCATION OF WORK		
					FUNDING BREAKOUT		
					FAP 749 (ILL 133) FAP 836 (ILL 49) S.N. 023-8075 RURAL TWO-LANE EDGAR COUNTY	FAP 749 (ILL 133) URBAN TWO-LANE EDGAR COUNTY STA. 623+00 STA. 695+41.39	FAP 749 (ILL 133) RURAL TWO-LANE EDGAR COUNTY STA. 396+79.97
					80% FED 20% STATE ROADWAY	80% FED 20% STATE ROADWAY	80% FED 20% STATE BOX CULVERT
					0005	0005	0004
					RURAL	URBAN	S.N. 023-8076
	70300281	TEMPORARY PAVEMENT MARKING - LINE 24" - PAINT	FOOT	336	336		
	70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	3452	1687		1765
	70307210	TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE	FOOT	99	51		48
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	462.5	225		237.5
	70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	102	48		54
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	462.5	225		237.5
	70500100	TEMPORARY STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	475	225		250
	70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	4	2		2
	70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	4	2		2
	72000100	SIGN PANEL - TYPE 1	SQ FT	23	23		
	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	16	16		
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	250	250		
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	18714	18714		
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	3236	3236		

* DENOTES SPECIALTY ITEM

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PLOT SCALE = 0.16666633' / in.	CHECKED - JWD	REVISED -
PLOT DATE = 5/6/2024	DATE - 03/21/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 7 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	10
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				

SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
					LOCATION OF WORK		
					FUNDING BREAKOUT		
					FAP 749 (ILL 133) FAP 836 (ILL 49) S.N. 023-8075 RURAL TWO-LANE EDGAR COUNTY	FAP 749 (ILL 133) URBAN TWO-LANE EDGAR COUNTY STA. 623+00 STA. 695+41.39	FAP 749 (ILL 133) RURAL TWO-LANE EDGAR COUNTY STA. 396+79.97
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	168	168		
*	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	189730	173437	16293	
*	78011000	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	250	250		
*	78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	18714	18714		
*	78011065	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	3236	3236		
*	78011125	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	168	168		
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	2667	2413	254	
*	78200006	GUARDRAIL REFLECTORS, TYPE B	EACH	49	24		25
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	995	894	93	8
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	571	278		293
	X0327690	TELEVISION INSPECTION OF SEWER, SPECIAL	FOOT	9295	9295		
	X4060221	COLD IN-PLACE RECYCLING, 4.0"	SQ YD	213161	192979	20182	
	X4400196	HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL)	SQ YD	8815	4906	3909	
	X5810103	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	64			64

* DENOTES SPECIALTY ITEM

MODEL: SDO 8
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PLOT DATE = 5/6/2024

DESIGNED - RAB
DRAWN - MCE
CHECKED - JWD
DATE - 03/21/2024

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REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 8 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	11
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				

SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
					LOCATION OF WORK	FUNDING BREAKOUT	
					FAP 749 (ILL 133) FAP 836 (ILL 49) S.N. 023-8075 RURAL TWO-LANE EDGAR COUNTY	FAP 749 (ILL 133) URBAN TWO-LANE EDGAR COUNTY STA. 623+00 STA. 695+41.39	FAP 749 (ILL 133) RURAL TWO-LANE EDGAR COUNTY STA. 396+79.97
					80% FED 20% STATE ROADWAY	80% FED 20% STATE ROADWAY	80% FED 20% STATE BOX CULVERT
					0005 RURAL	0005 URBAN	0004 S.N. 023-8076
	X7050165	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL)	EACH	4	2		2
	X7200201	WIDTH RESTRICTION SIGNING	L SUM	1	0.5		0.5
	X8030106	LOCATING UNDERGROUND UTILITIES	FOOT	250	250		
*	XZ193400	SURVEY MARKER, TYPE 2 (SPECIAL)	EACH	17	17		
	Z0002900	BASE COURSE (OPTION)	SQ YD	698	300		398
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		
*	Z0038700	PERMANENT BENCH MARKS	EACH	2	1		1
*	Z0070202	SURVEY MARKER VAULT	EACH	3	3		
	X4005502	CIR-FDR FOAMED ASPHALT	TON	853	772	81	
∅	Z0076600	TRAINEES	hour	2500	2500		
∅	Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	hour	2500	2500		

* DENOTES SPECIALTY ITEM

∅ 0042

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PLOT DATE = 4/10/2024

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DATE - 03/21/2024

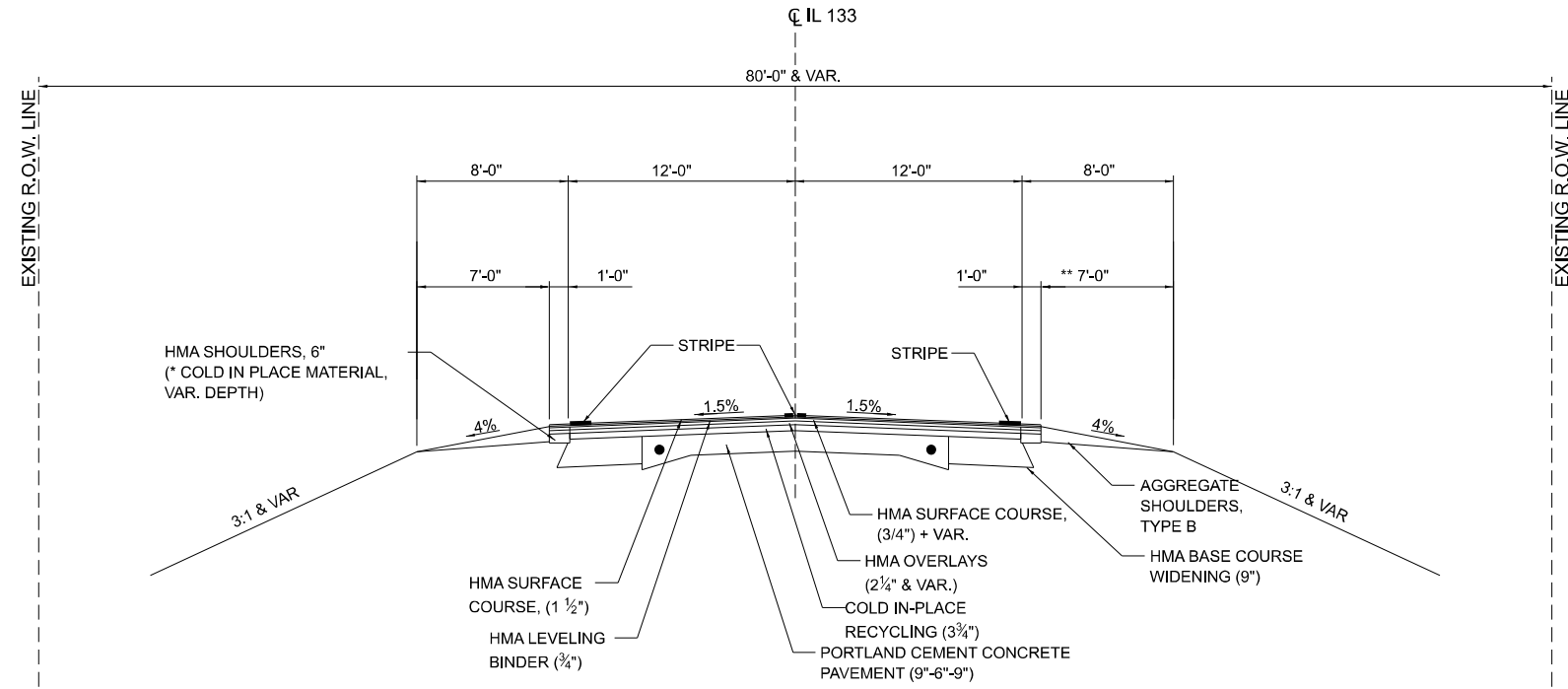
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 9 OF 9 SHEETS STA. TO STA.

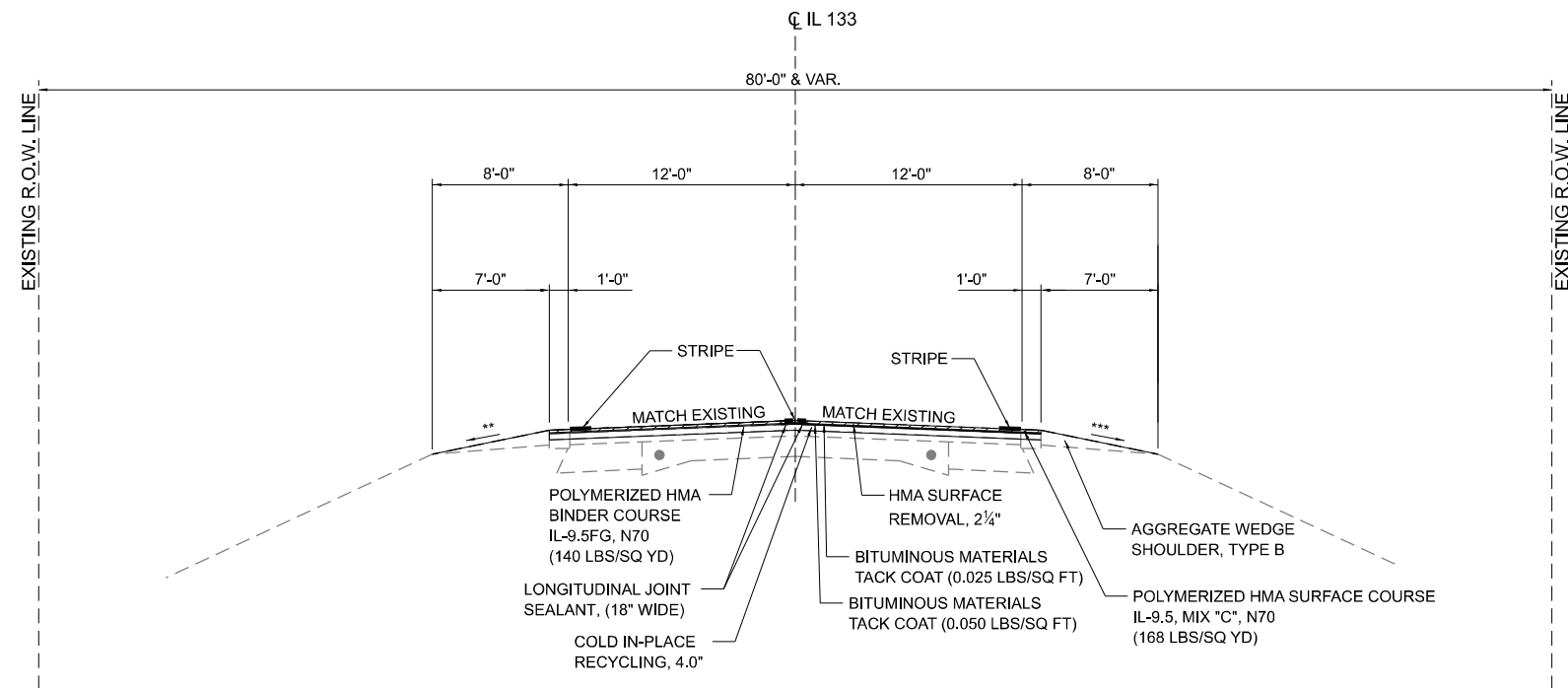
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749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	12
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				



EXISTING TYPICAL SECTION (A)

STA. 950+00.00 TO STA. 1011+70 (B)
 (C) STA. 1021+00 TO STA. 1059+12.07 (D)

** EXISTING 3 FT BITUMINOUS SHOULDER
 RT STA 1000+80 TO RT STA 1011+70



PROPOSED TYPICAL SECTION (1)

STA. 991+02.66 TO STA. 1011+70 (2)
 (3) STA. 1021+00 TO STA. 1059+12.07 (4)

** VARIES (12% MAX ROLLOVER)
 *** VARIES (12% MAX ROLLOVER)

* PAVEMENT REMOVAL DEPTH SHALL NOT EXCEED 8"
 UNLESS OTHERWISE DIRECTED BY THE ENGINEER

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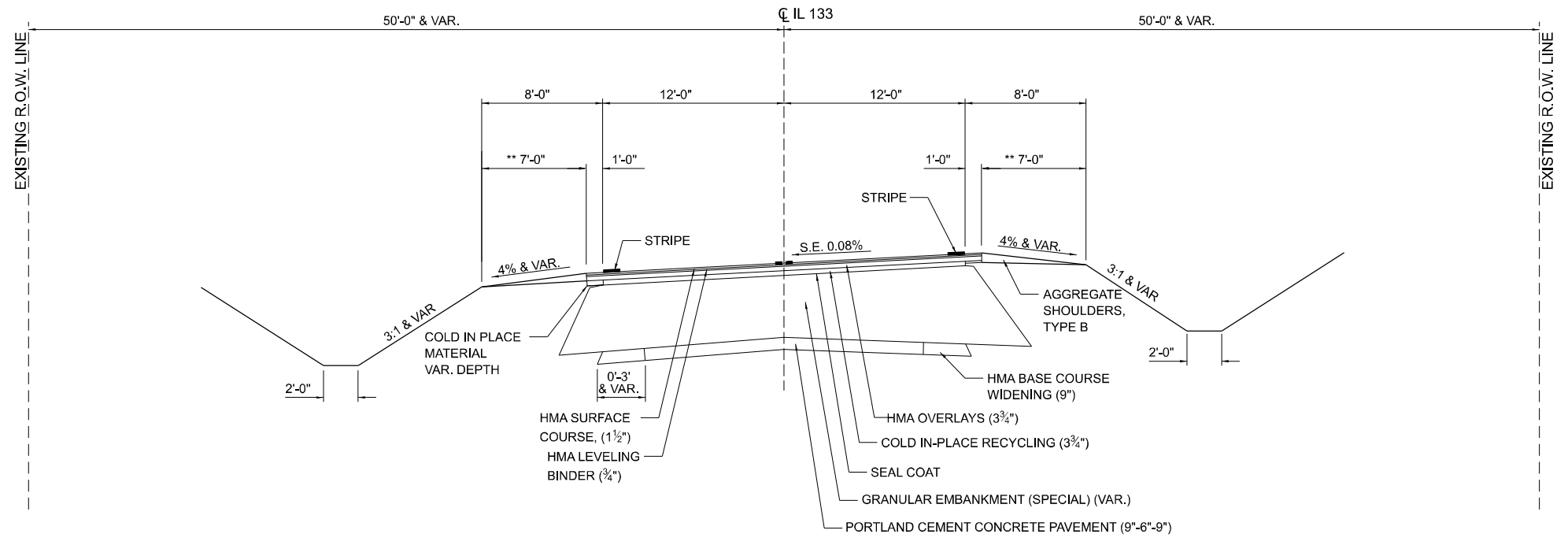
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PLOT DATE = 3/21/2024	DATE - 03/21/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL 133 TYPICAL SECTIONS

SCALE: - SHEET 1 OF 16 SHEETS STA. AS NOTED TO STA. AS NOTED

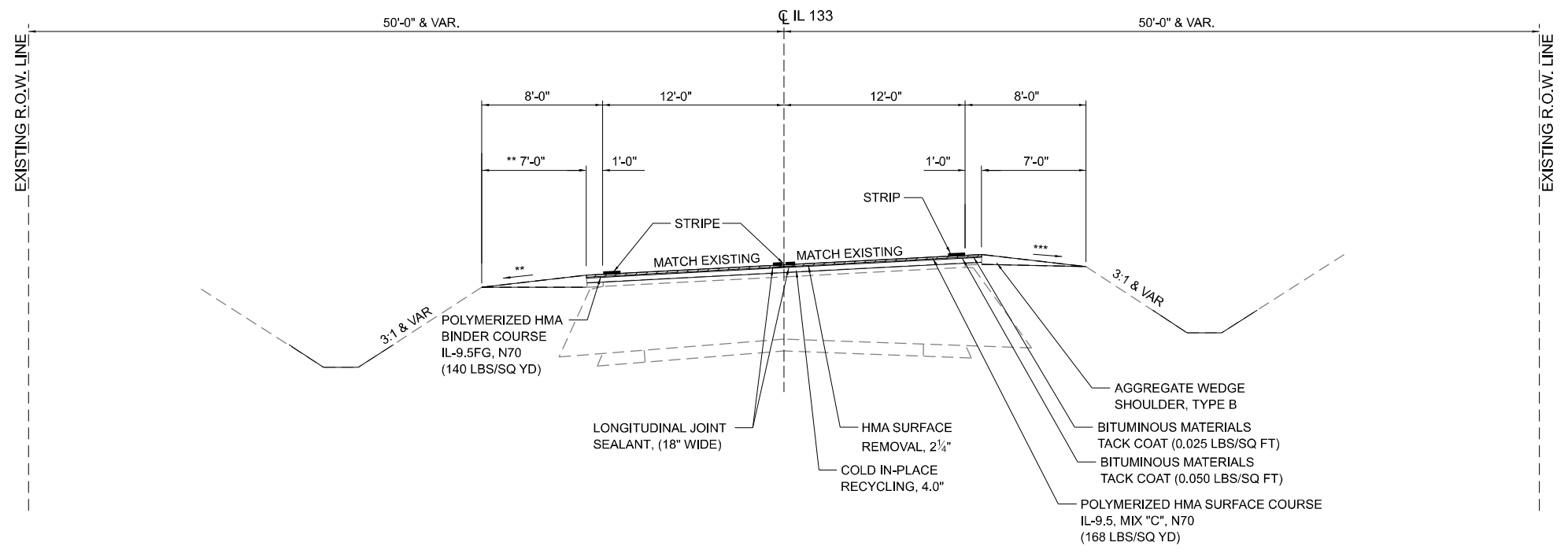
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(12)RS-4,(14)CR	EDGAR	157	13
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-WL5(692)				



EXISTING TYPICAL SECTION (B)

(A) STA. 1011+70 TO STA. 1019+18 (C)

** EXISTING 3 FT. BITUMINOUS SHOULDER
RT STA 1011+70 TO RT STA 1012+02.30
LT STA 1013+07.90 TO LT STA 1017+74.70



PROPOSED TYPICAL SECTION (2)

(1) STA. 1011+70 TO STA. 1019+18 (3)

** SLOPE= 6.0% OR MATCH EXISTING S.E. SLOPE WHICHEVER IS GREATER.
*** SLOPE= 6.0% & VARIES TO MAINTAIN 12% MAX ROLLOVER.

** VARIES (12% MAX ROLLOVER)
*** VARIES (12% MAX ROLLOVER)
* PAVEMENT REMOVAL DEPTH SHALL NOT EXCEED 8" UNLESS OTHERWISE DIRECTED BY THE ENGINEER

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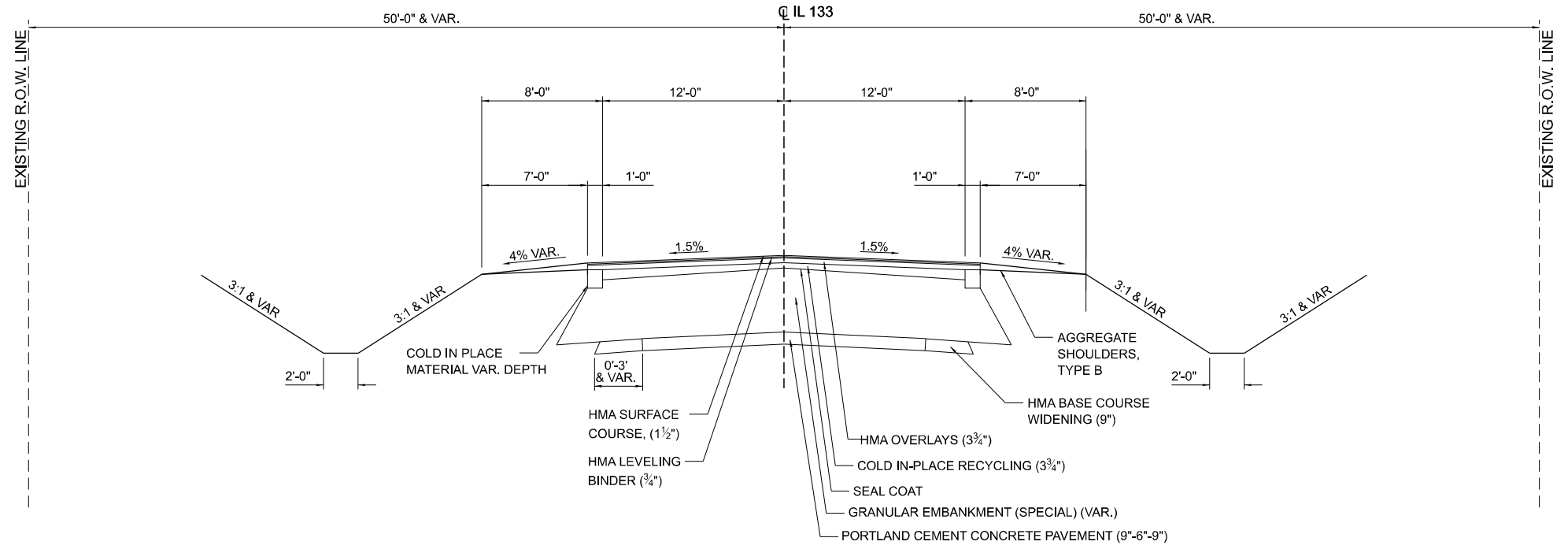
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 133 TYPICAL SECTIONS

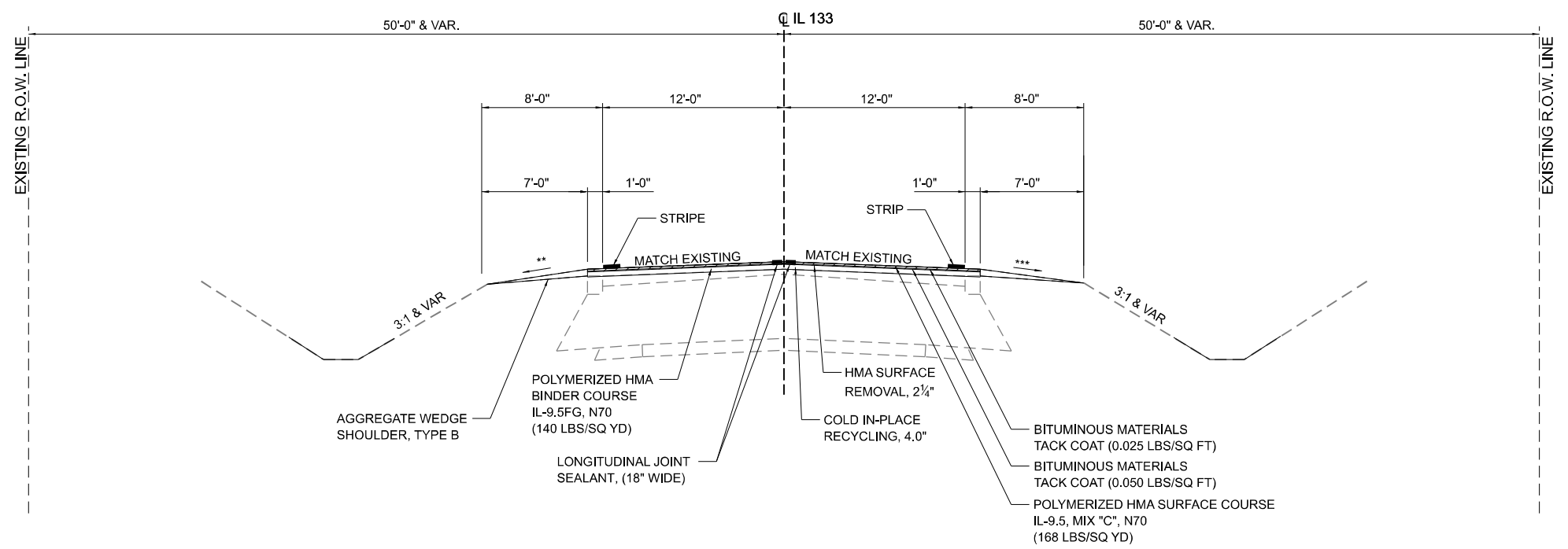
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	14
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-WL5(692)				



EXISTING TYPICAL SECTION C

(B) STA. 1019+18 TO STA. 1021+00 (A)



PROPOSED TYPICAL SECTION 3

(2) STA. 1019+18 TO STA. 1021+00 (1)

** VARIES (12% MAX ROLLOVER)
 *** VARIES (12% MAX ROLLOVER)

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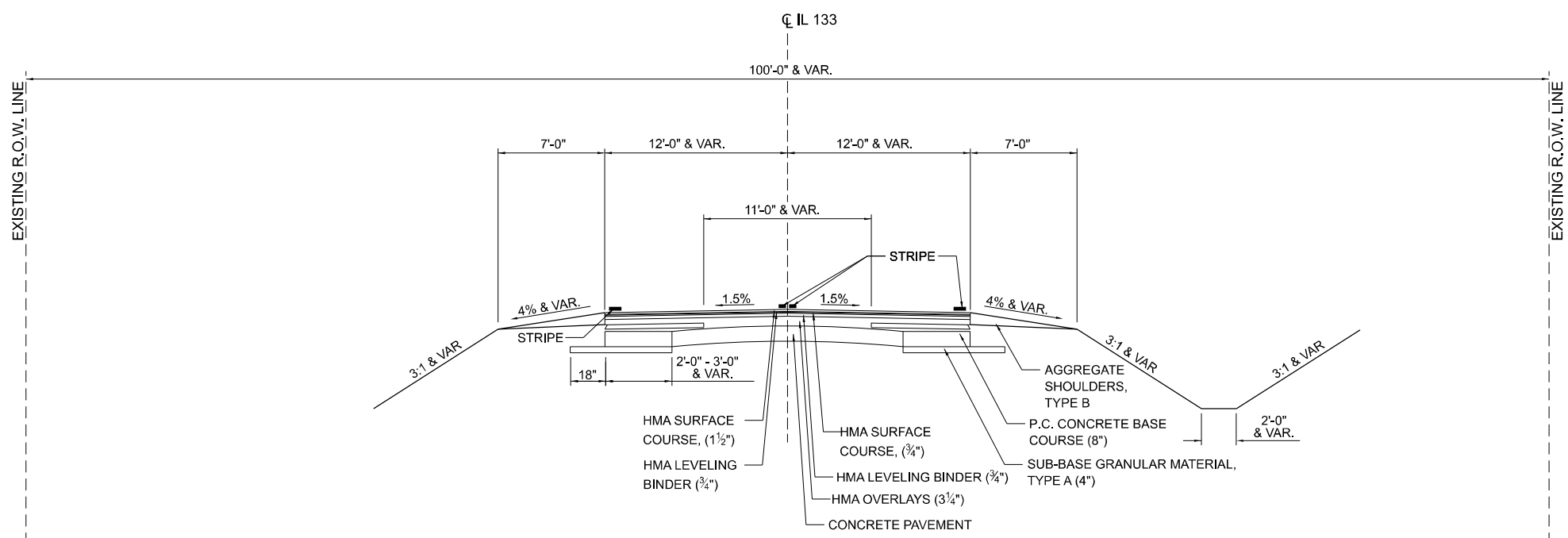


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	DATE - 03/21/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL 133 TYPICAL SECTIONS	
SCALE: -	SHEET 3 OF 16 SHEETS
STA. AS NOTED	TO STA. AS NOTED

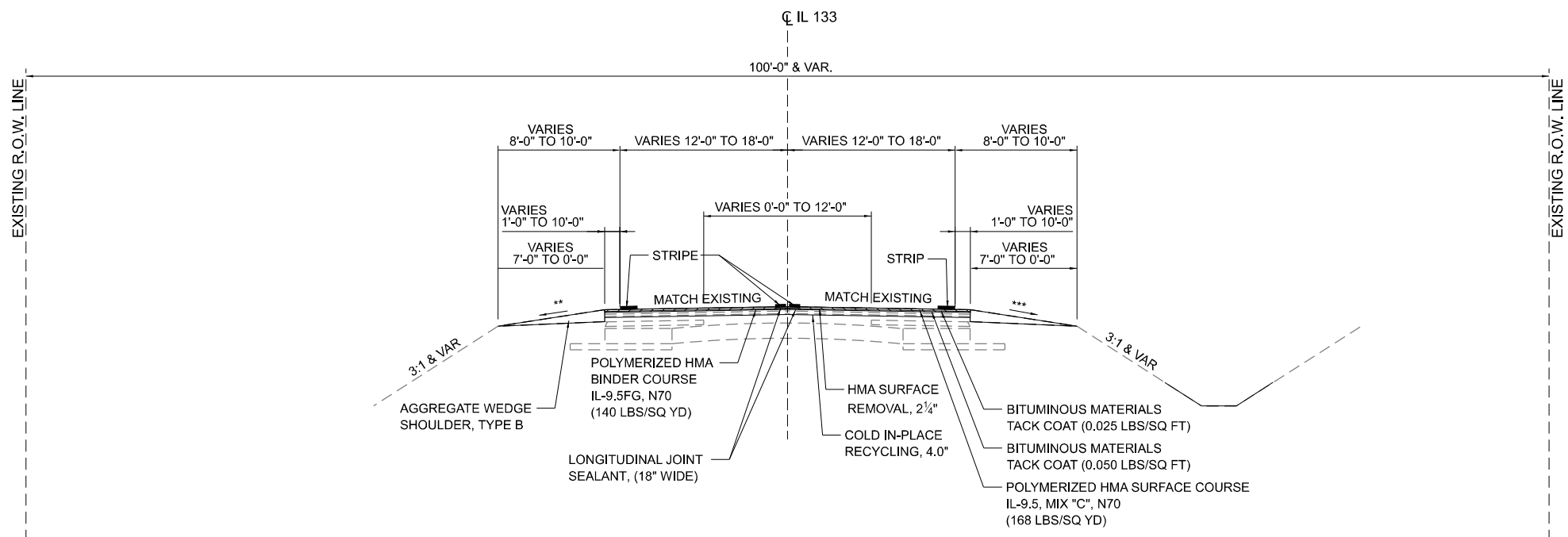
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(12)RS-4,(14)CR	EDGAR	157	15
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				



EXISTING TYPICAL SECTION D

Ⓐ STA. 1059+12.07 TO STA. 1073+61.50 (BK)
 STA. 0+90.14 (AH) TO STA. 7+79.47 (E)

STATION EQUATION:
 1080+50 (BK) = 7+79.47 (AH)



PROPOSED TYPICAL SECTION 4

① STA. 1059+12.07 TO STA. 1071+00.00 ④A
 ④A STA. 3+25.00 TO STA. 7+79.47 ⑤

STATION EQUATION:
 1080+50 (BK) = 7+79.47 (AH)

* PAVEMENT REMOVAL DEPTH SHALL NOT EXCEED 8" UNLESS OTHERWISE DIRECTED BY THE ENGINEER

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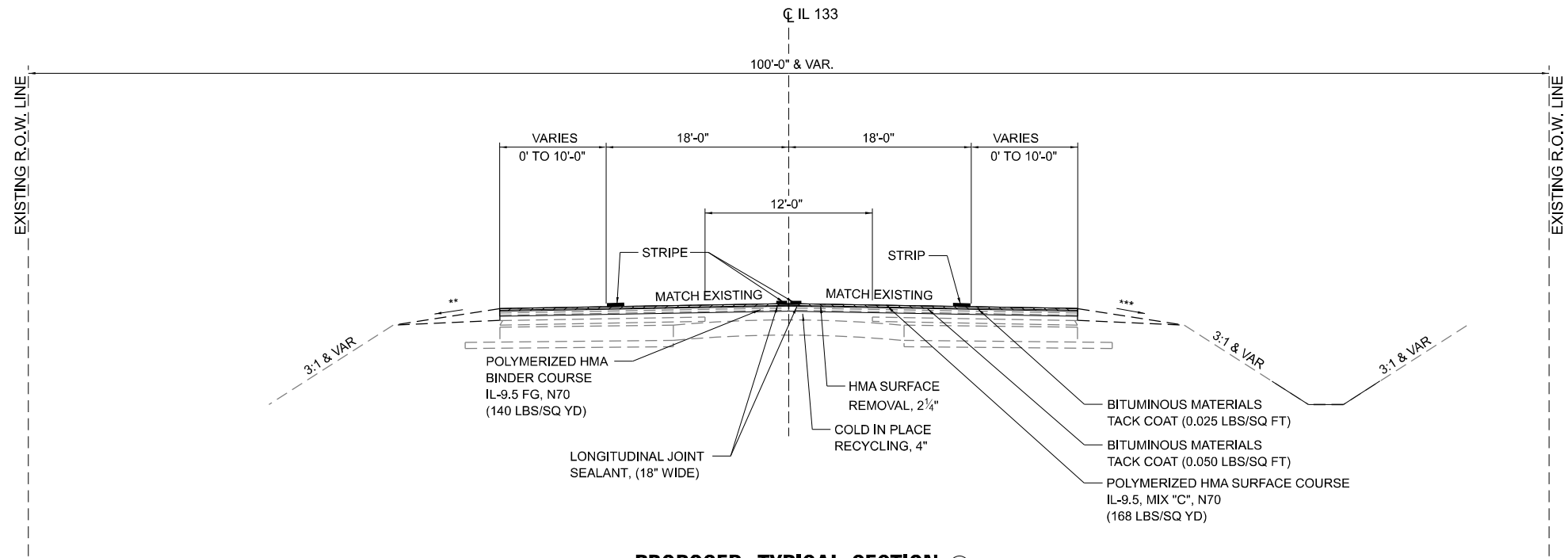


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DRAWN - MCE	REVISED -	
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PLOT DATE = 3/21/2024	DATE - 03/21/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL 133 TYPICAL SECTIONS
 SCALE: - SHEET 4 OF 16 SHEETS STA. AS NOTED TO STA. AS NOTED

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(12)RS-4,(14)CR	EDGAR	157	16
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				



PROPOSED TYPICAL SECTION ④A

④ STA. 1071+00.00 TO STA. 1073+61.50 (BK)
 STA. 0+90.14 (AH) TO STA. 3+25.00 ④

* PAVEMENT REMOVAL DEPTH SHALL NOT EXCEED 8"
 UNLESS OTHERWISE DIRECTED BY THE ENGINEER

STATION EQUATION:
 1073+61.50 (BK) = 0+90.14 (AH)

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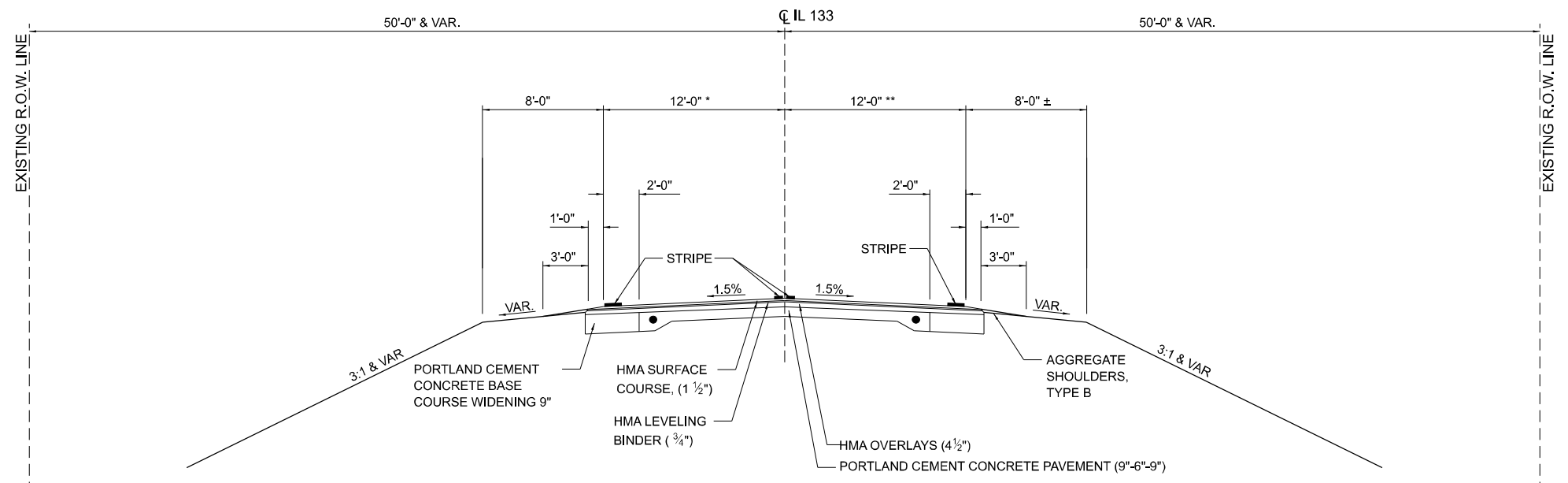
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PLOT DATE = 3/21/2024	CHECKED - JWD	REVISED -
	DATE - 03/21/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL 133 TYPICAL SECTIONS

SCALE: - SHEET 5 OF 16 SHEETS STA. AS NOTED TO STA. AS NOTED

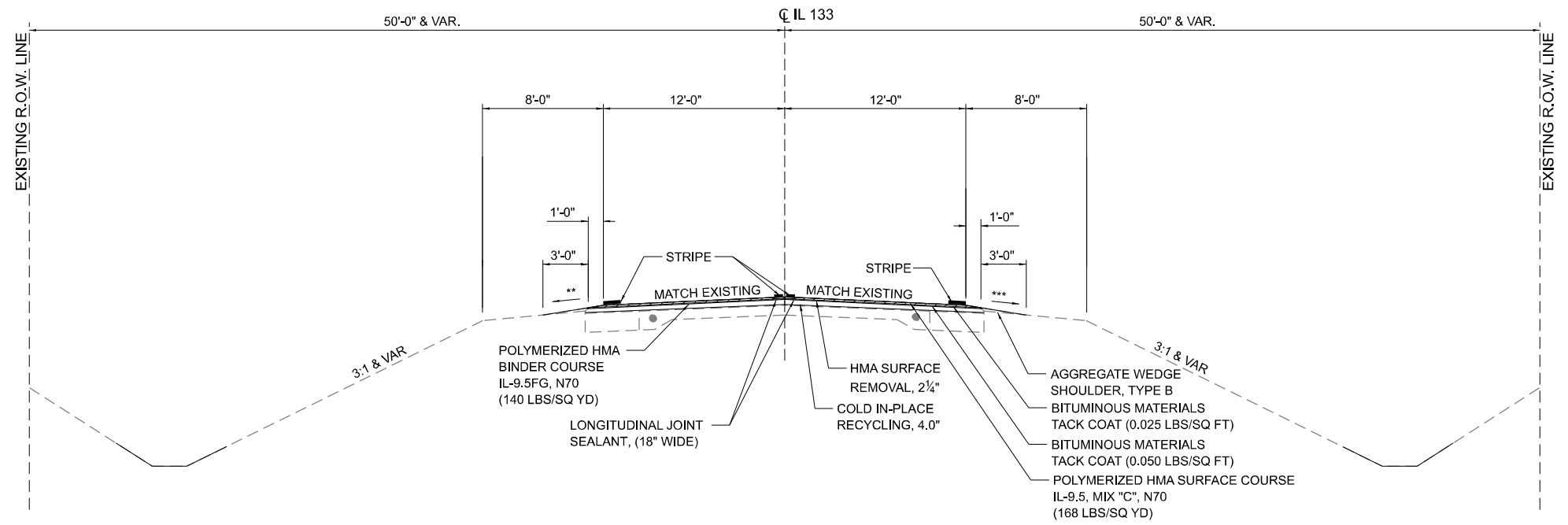
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	17
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-WL5(692)				



EXISTING TYPICAL SECTION (E)

(D) STA. 7+79.47 (AH) TO STA. 190+64.26 (F) ***

* 7+79.47 LT TO 15+39.71 LT
VARIES 18' TO 12'
** 7+79.47 RT TO 9+90.61 RT
VARIES 13' TO 12'
*** OMISSION STA. 159+25.75 TO 160+72.75
STATION EQUATION:
1080+50 (BK) = 7+79.47 (AH)



PROPOSED TYPICAL SECTION (5)

(4) STA. 7+79.47 TO STA. 70+00.00 (5A)
(5A) STA. 101+00.00 TO STA. 190+64.20 (6)

* 7+79.47 LT TO 15+39.71 LT
VARIES 18' TO 12'
** 7+79.47 RT TO 9+90.61 RT
VARIES 13' TO 12'
*** OMISSION STA. 159+25.75 TO 160+72.75
STATION EQUATION:
1080+50 (BK) = 7+79.47 (AH)

** VARIES (12% MAX ROLLOVER)
*** VARIES (12% MAX ROLLOVER)
* PAVEMENT REMOVAL DEPTH SHALL NOT EXCEED 8"
UNLESS OTHERWISE DIRECTED BY THE ENGINEER

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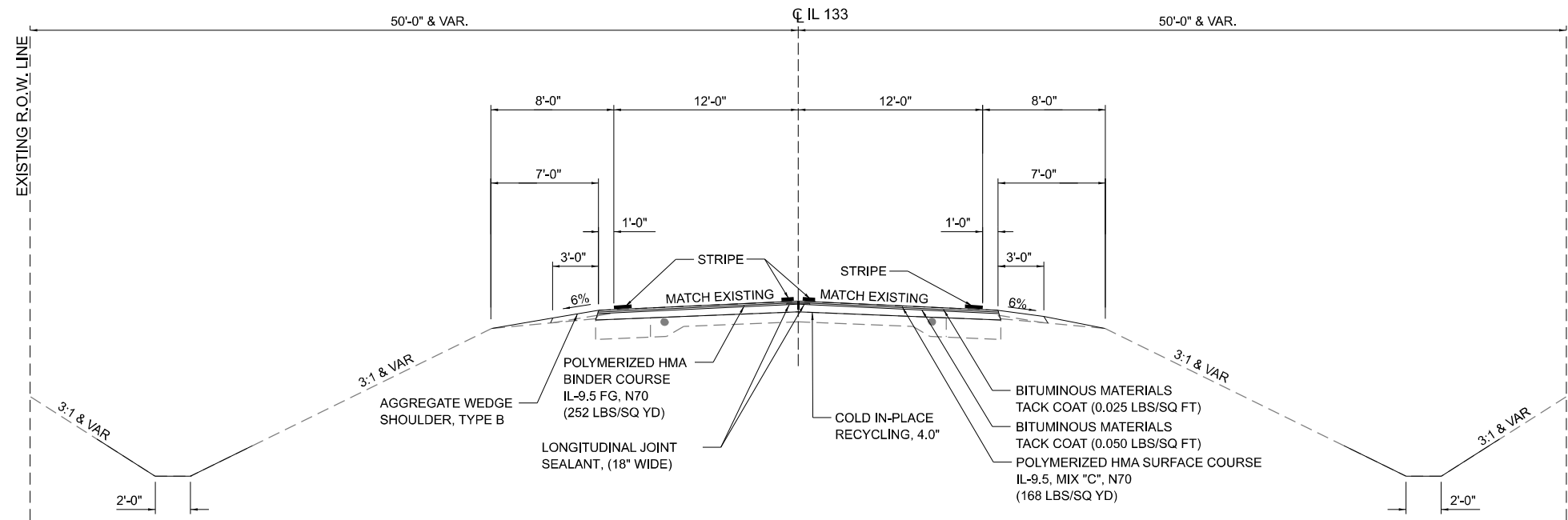
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	DATE - 03/21/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 133 TYPICAL SECTIONS

SCALE: - SHEET 6 OF 16 SHEETS STA. AS NOTED TO STA. AS NOTED

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(12)RS-4,(14)CR	EDGAR	157	18
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				



PROPOSED TYPICAL SECTION 5A

5 STA. 70+00.00 TO STA. 101+00.00 5

* PAVEMENT REMOVAL DEPTH SHALL NOT EXCEED 8"
UNLESS OTHERWISE DIRECTED BY THE ENGINEER

** VARIES (12% MAX ROLLOVER)

*** VARIES (12% MAX ROLLOVER)

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FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL

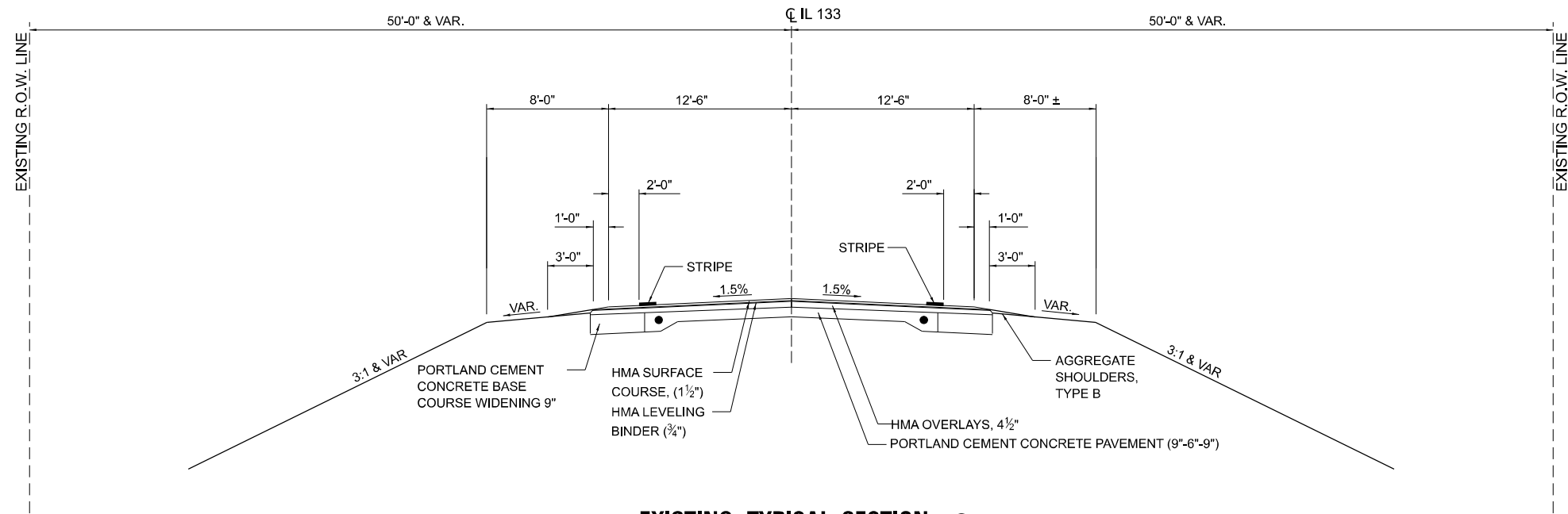
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	DATE - 03/21/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 133 TYPICAL SECTIONS

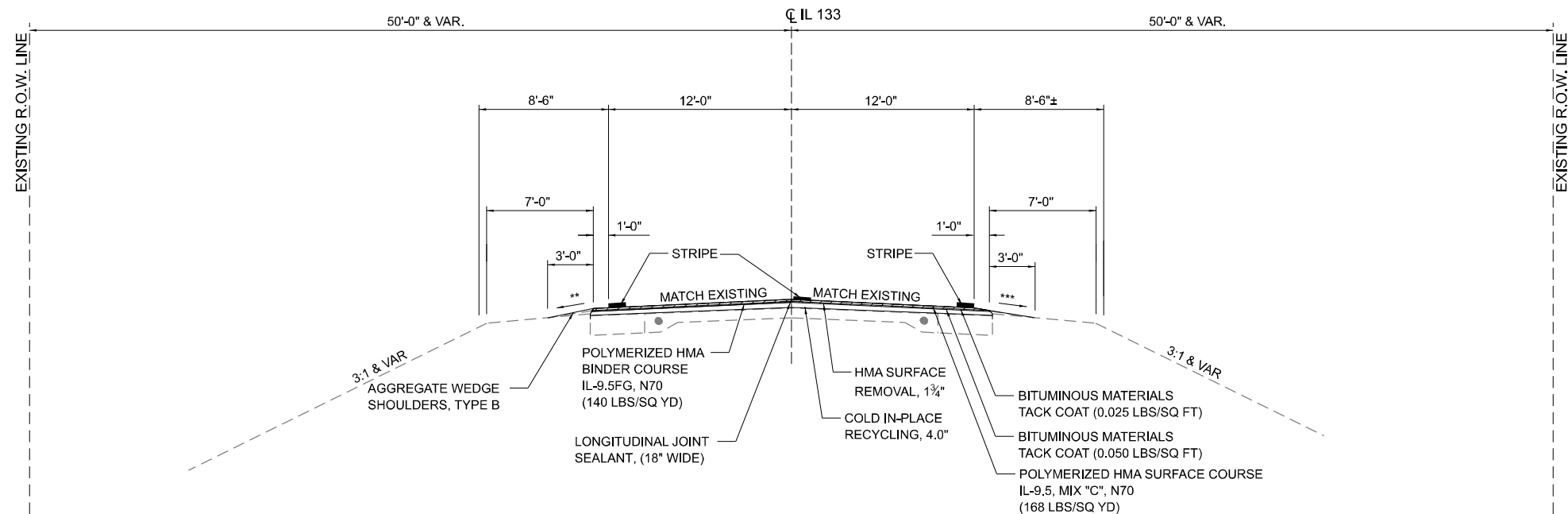
SCALE: - SHEET 7 OF 16 SHEETS STA. AS NOTED TO STA. AS NOTED

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	19
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IL5(692)				



EXISTING TYPICAL SECTION (F)

(E) STA. 190+64.20 TO STA. 263+60.00 (G)



PROPOSED TYPICAL SECTION (G)

(5) STA. 190+64.20 TO STA. 263+60.00 (7)

** VARIES (12% MAX ROLLOVER)
*** VARIES (12% MAX ROLLOVER)

* PAVEMENT REMOVAL DEPTH SHALL NOT EXCEED 8"
UNLESS OTHERWISE DIRECTED BY THE ENGINEER

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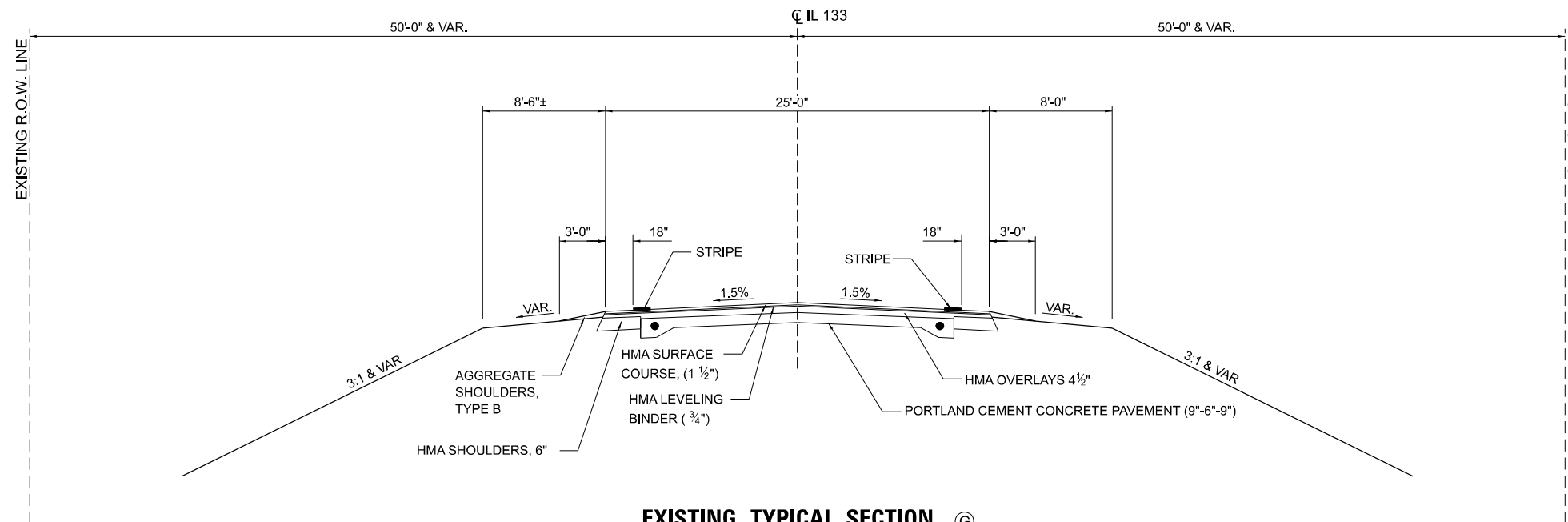
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	DATE - 03/21/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 133 TYPICAL SECTIONS

SCALE: - SHEET 8 OF 16 SHEETS STA. AS NOTED TO STA. AS NOTED

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(12)RS-4,(14)CR	EDGAR	157	20
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-1W5(692)				

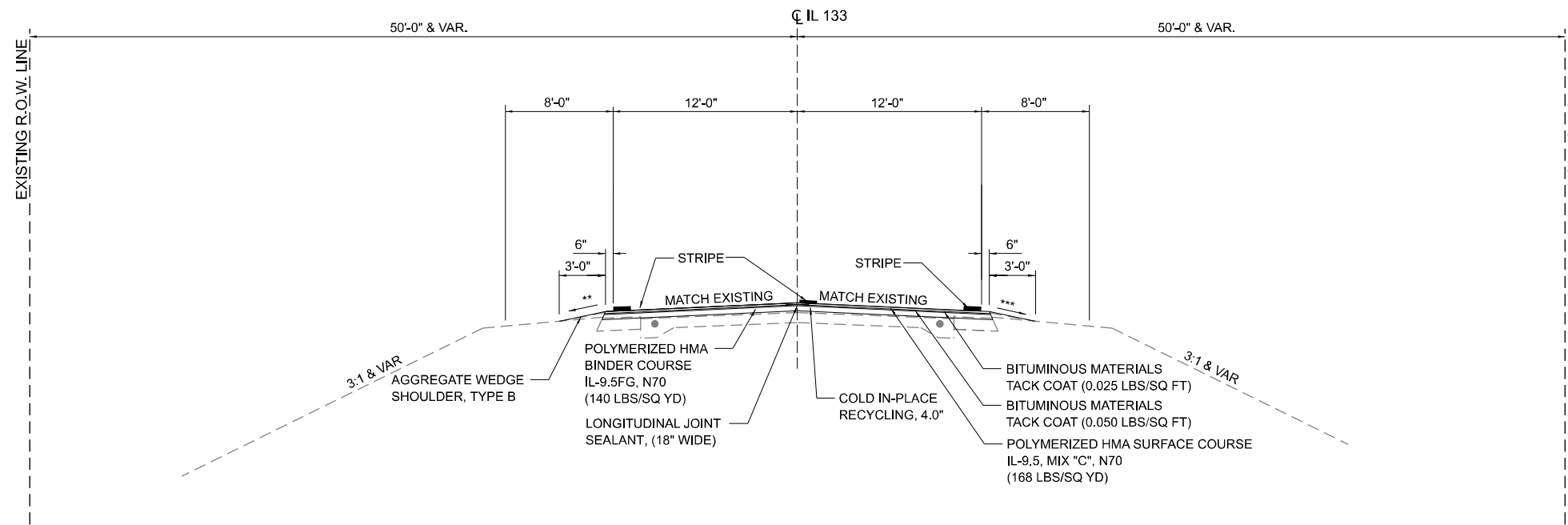


EXISTING TYPICAL SECTION ⑥

⑥ STA. 263+60.00 TO STA. 312+20.70 (BK)
 STA. 309+71.20 (AH) TO STA. 524+00* ⑧

*OMISSION STA. 417+50.00 TO STA. 418+80.00

STATION EQUATION:
 312+20.70 (BK) = 309+71.20 (AH)



PROPOSED TYPICAL SECTION ⑦

⑦ STA. 263+60.00 TO STA. 312+20.70 (BK)
 STA. 309+21.20 (AH) TO STA. 524+00* ⑧

*OMISSION STA. 417+50.00 TO STA. 418+80.00

STATION EQUATION:
 312+20.70 (BK) = 309+71.20 (AH)

** VARIES (12% MAX ROLLOVER)
 *** VARIES (12% MAX ROLLOVER)

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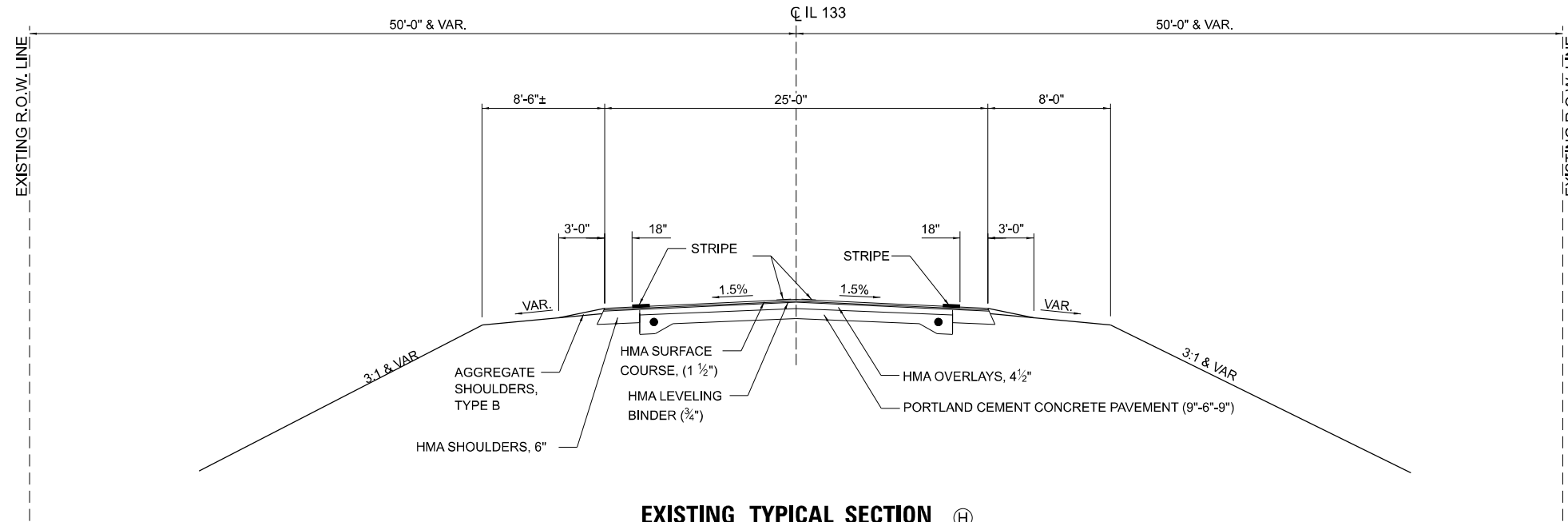
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	DATE - 03/21/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL 133 TYPICAL SECTIONS

SCALE: - SHEET 9 OF 16 SHEETS STA. AS NOTED TO STA. AS NOTED

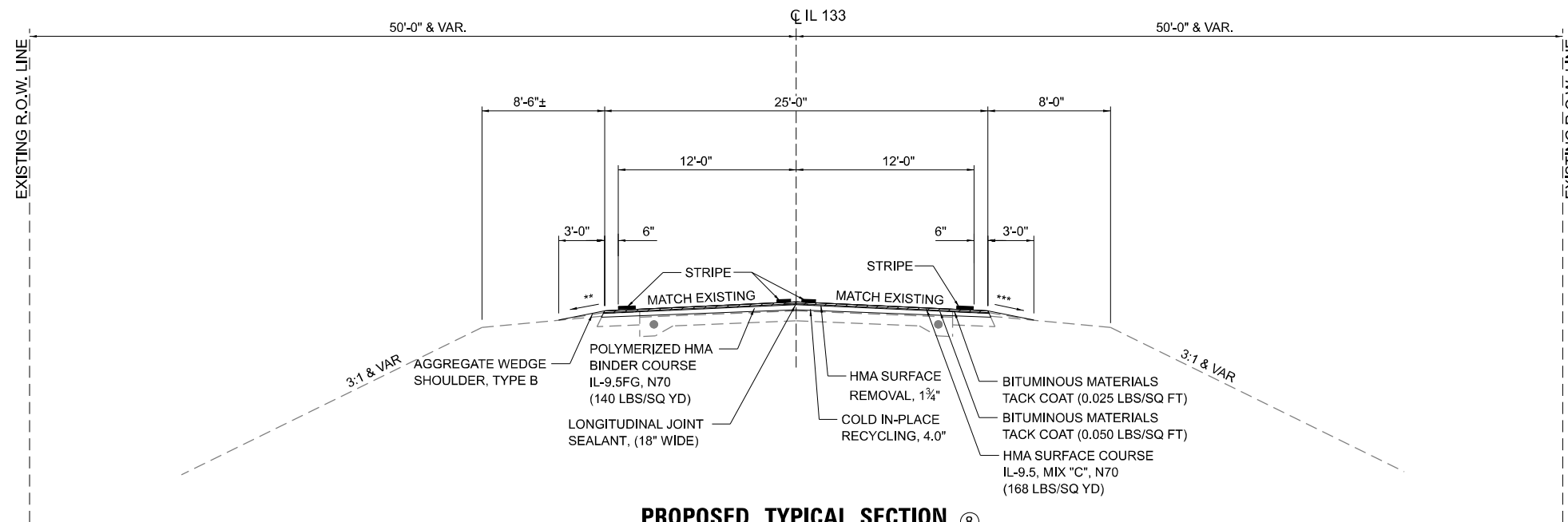
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	21
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				



EXISTING TYPICAL SECTION (H)

- (F) STA. 524+00.00 TO STA. 581+27.40 (BK)
- STA. 602+51.50 (AH) TO STA. 636+00.00 (I)
- (I) STA. 657+00.00 TO STA. 695+19.38

STATION EQUATION:
581+27.40 (BK) = 602+51.50 (AH)



PROPOSED TYPICAL SECTION (8)

- (7) STA. 524+00.00 TO STA. 581+27.40 (BK)
- STA. 602+51.50 (AH) TO STA. 636+00.00 (9)
- (9) STA. 657+00.00 TO STA. 695+19.38

STATION EQUATION:
581+27.40 (BK) = 602+51.50 (AH)

** VARIES (12% MAX ROLLOVER)
*** VARIES (12% MAX ROLLOVER)

* PAVEMENT REMOVAL DEPTH SHALL NOT EXCEED 8"
UNLESS OTHERWISE DIRECTED BY THE ENGINEER

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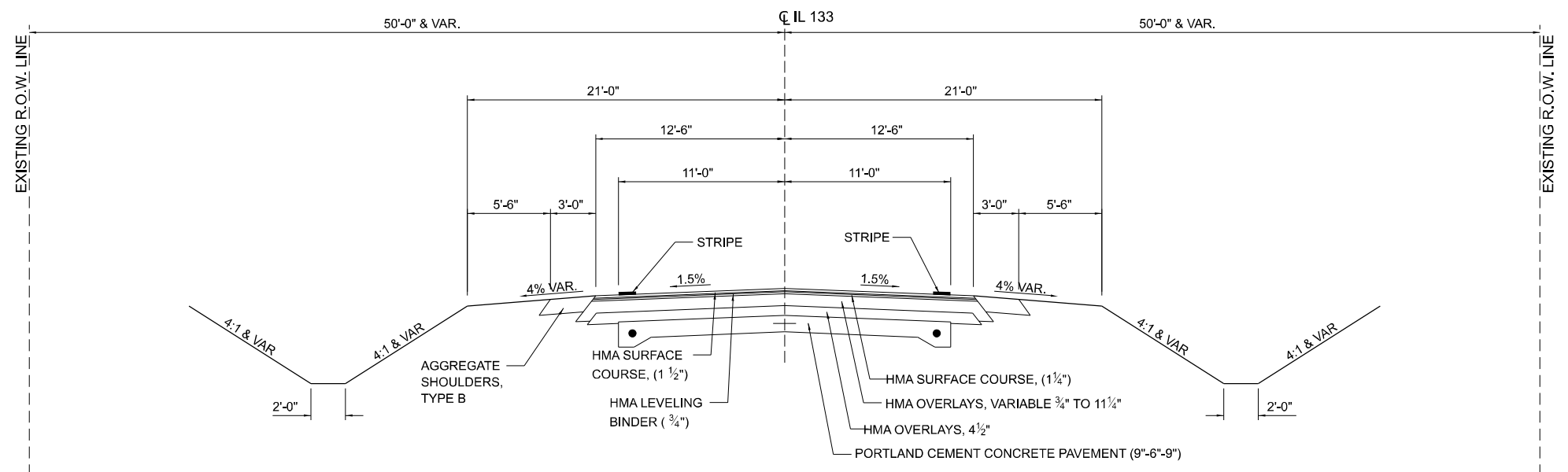
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	DATE - 03/21/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 133 TYPICAL SECTIONS

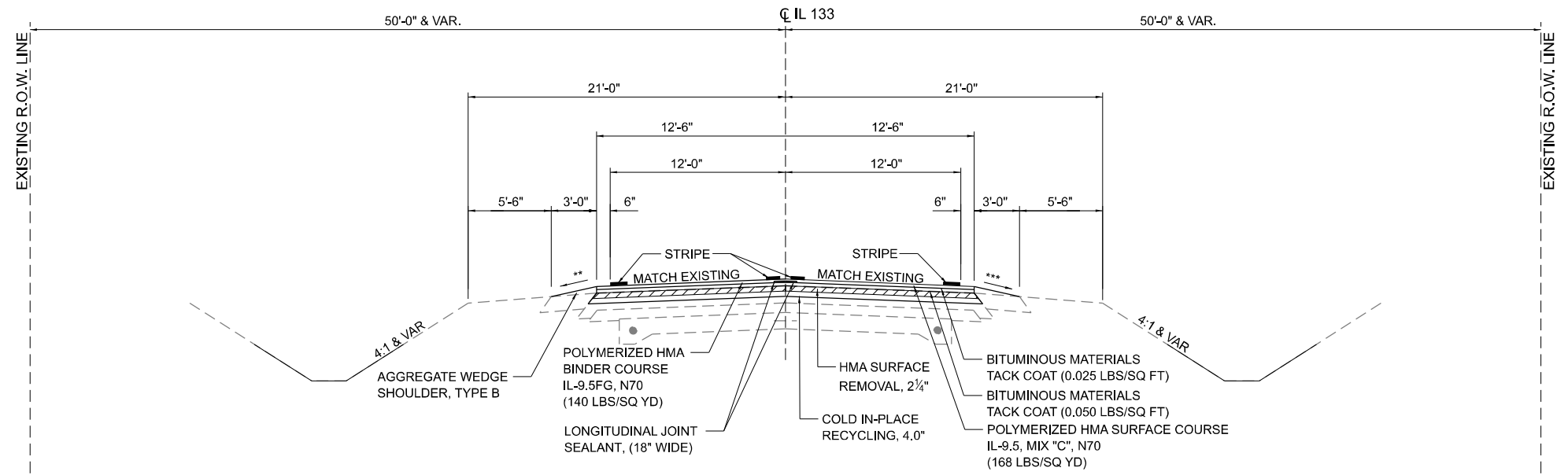
SCALE: - SHEET 10 OF 16 SHEETS STA. AS NOTED TO STA. AS NOTED

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	22
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-WL5(692)				



EXISTING TYPICAL SECTION ①

- Ⓜ STA. 636+00.00 TO STA. 638+85.00
- Ⓝ STA. 655+00.00 TO STA. 657+00.00
- Ⓜ STA. 636+00.00 TO STA. 638+85.00
- Ⓝ STA. 655+00.00 TO STA. 657+00.00



PROPOSED TYPICAL SECTION ⑨

- Ⓜ STA. 636+00.00 TO STA. 638+85.00
- Ⓝ STA. 655+00.00 TO STA. 657+00.00
- Ⓜ STA. 636+00.00 TO STA. 638+85.00
- Ⓝ STA. 655+00.00 TO STA. 657+00.00

** VARIES (12% MAX ROLLOVER)
 *** VARIES (12% MAX ROLLOVER)
 * PAVEMENT REMOVAL DEPTH SHALL NOT EXCEED 8"
 UNLESS OTHERWISE DIRECTED BY THE ENGINEER

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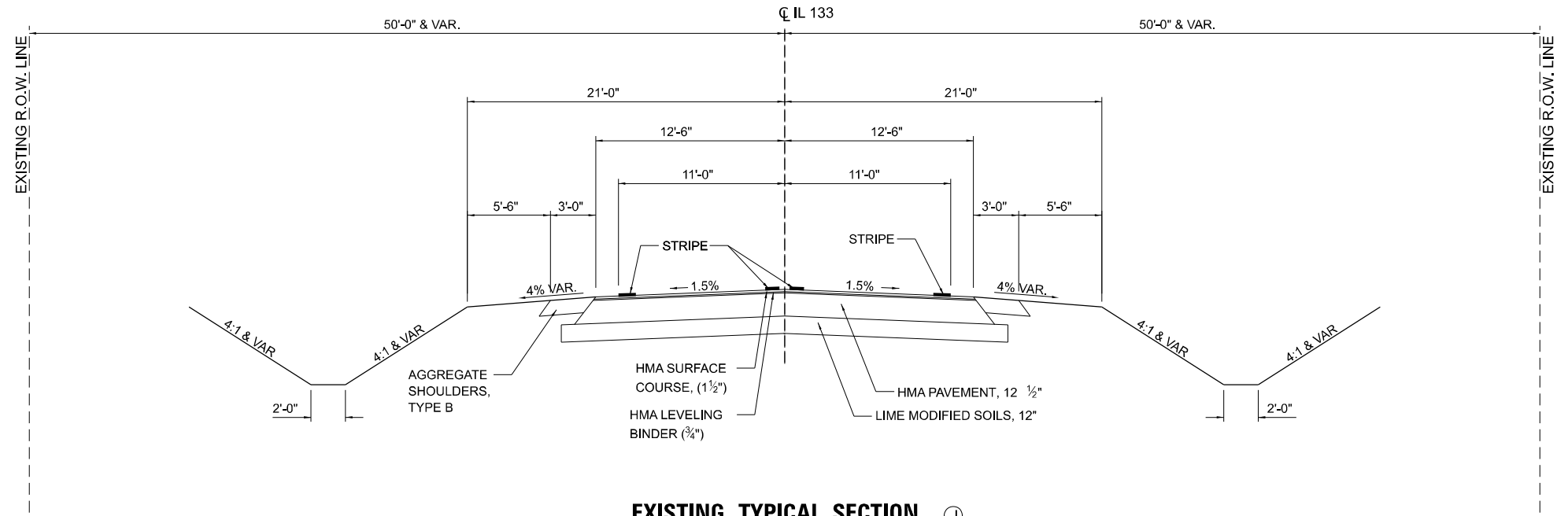
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	DATE - 03/21/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL 133 TYPICAL SECTIONS

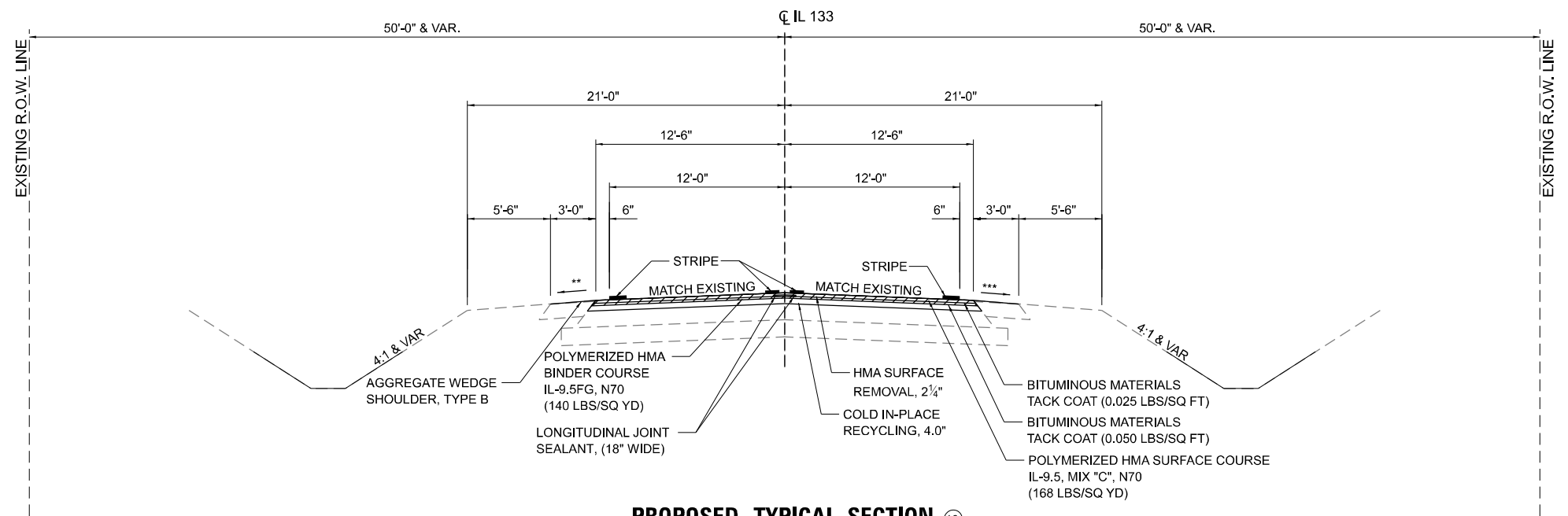
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	23
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				



EXISTING TYPICAL SECTION J

① STA. 638+85.00 TO STA. 648+47.50 ①



PROPOSED TYPICAL SECTION 10

⑨ STA. 638+85.00 TO STA. 648+47.50 ⑪

** VARIES (12% MAX ROLLOVER)
 *** VARIES (12% MAX ROLLOVER)

* PAVEMENT REMOVAL DEPTH SHALL NOT EXCEED 8"
 UNLESS OTHERWISE DIRECTED BY THE ENGINEER

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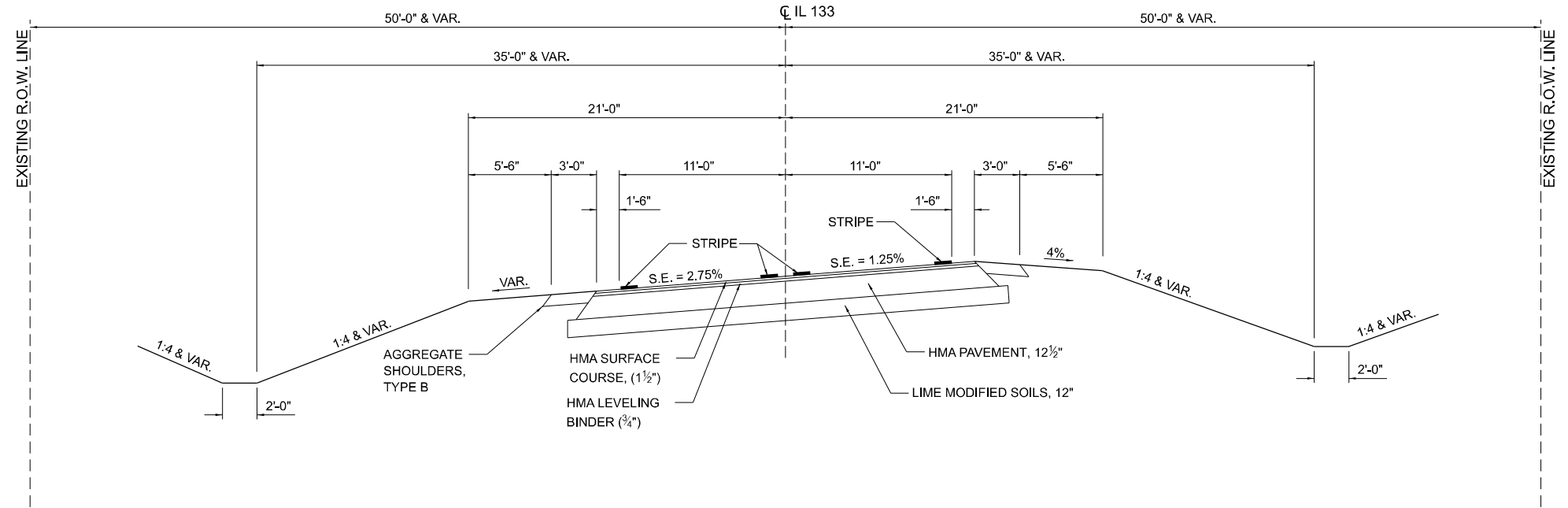


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PLOT DATE = 3/21/2024	CHECKED - JWD	REVISED -
	DATE - 03/21/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

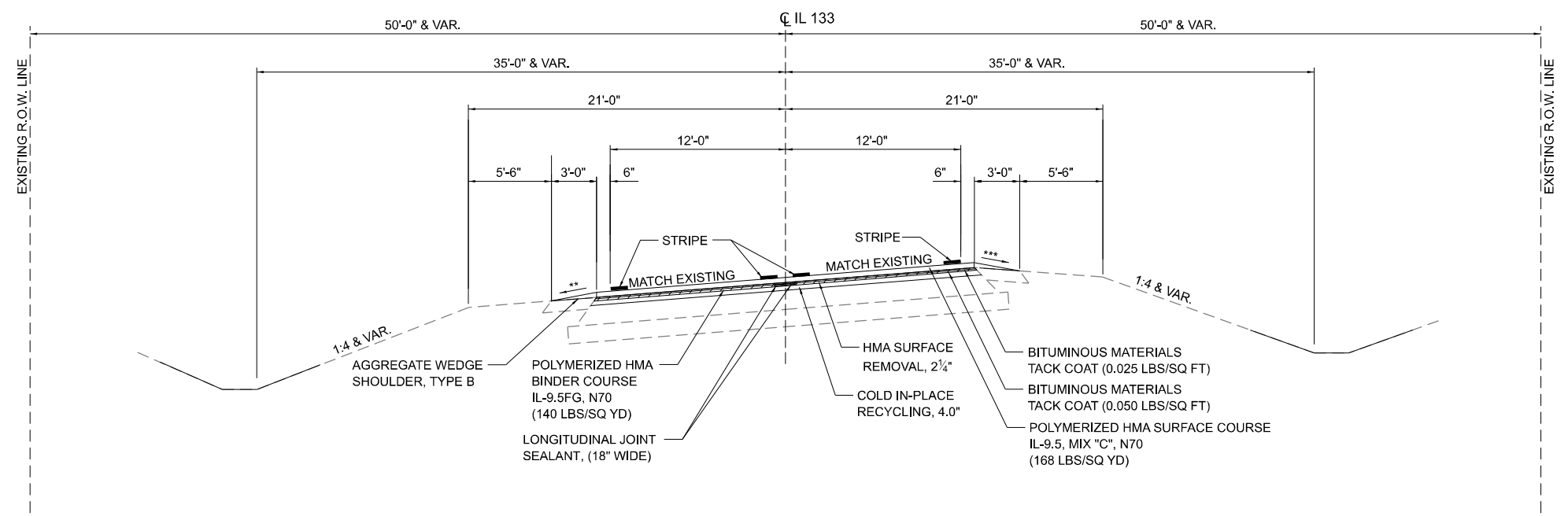
IL 133 TYPICAL SECTIONS	
SCALE: -	SHEET 12 OF 16 SHEETS STA. AS NOTED TO STA. AS NOTED

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(12)RS-4,(14)CR	EDGAR	157	24
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-WL5(692)				



EXISTING TYPICAL SECTION (K)

(J) STA. 648+47.50 TO STA. 655+00.00 (I)



PROPOSED TYPICAL SECTION (11)

(10) STA. 648+47.50 TO STA. 655+00.00 (9)

** VARIES (12% MAX ROLLOVER)
 *** VARIES (12% MAX ROLLOVER)

* PAVEMENT REMOVAL DEPTH SHALL NOT EXCEED 8"
 UNLESS OTHERWISE DIRECTED BY THE ENGINEER

** SLOPE= 6.0% OR MATCH EXISTING S.E. SLOPE WHICHEVER IS GREATER.
 *** SLOPE= 6.0% & VARIES TO MAINTAIN 12% MAX ROLLOVER.

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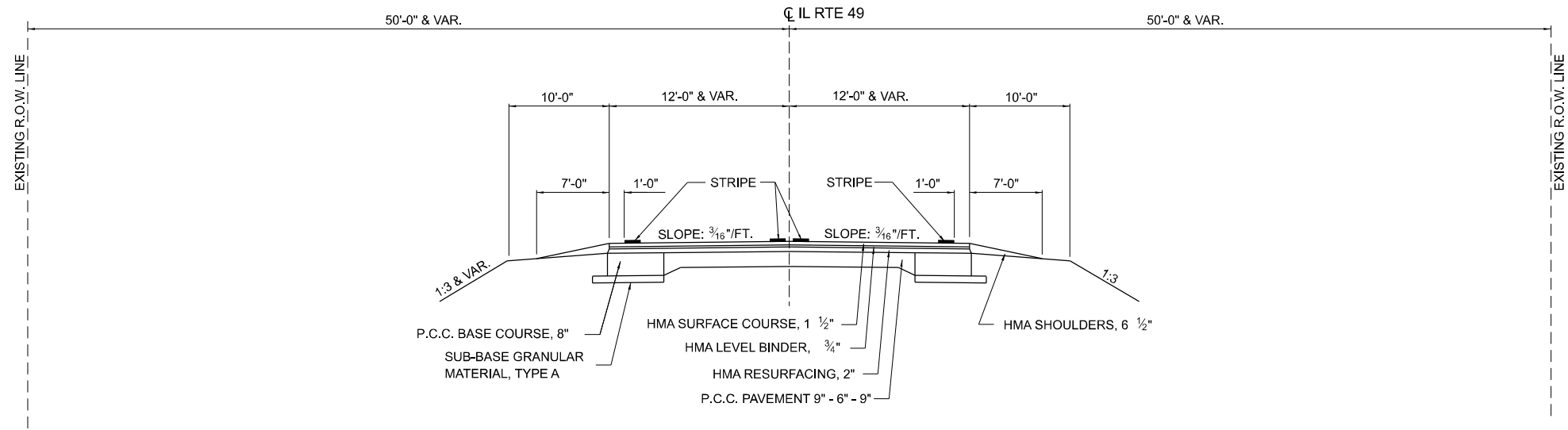


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PLOT DATE = 3/21/2024	CHECKED - JWD	REVISED -
	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
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IL 133 TYPICAL SECTIONS			
SCALE: -	SHEET 13 OF 16 SHEETS	STA. AS NOTED	TO STA. AS NOTED

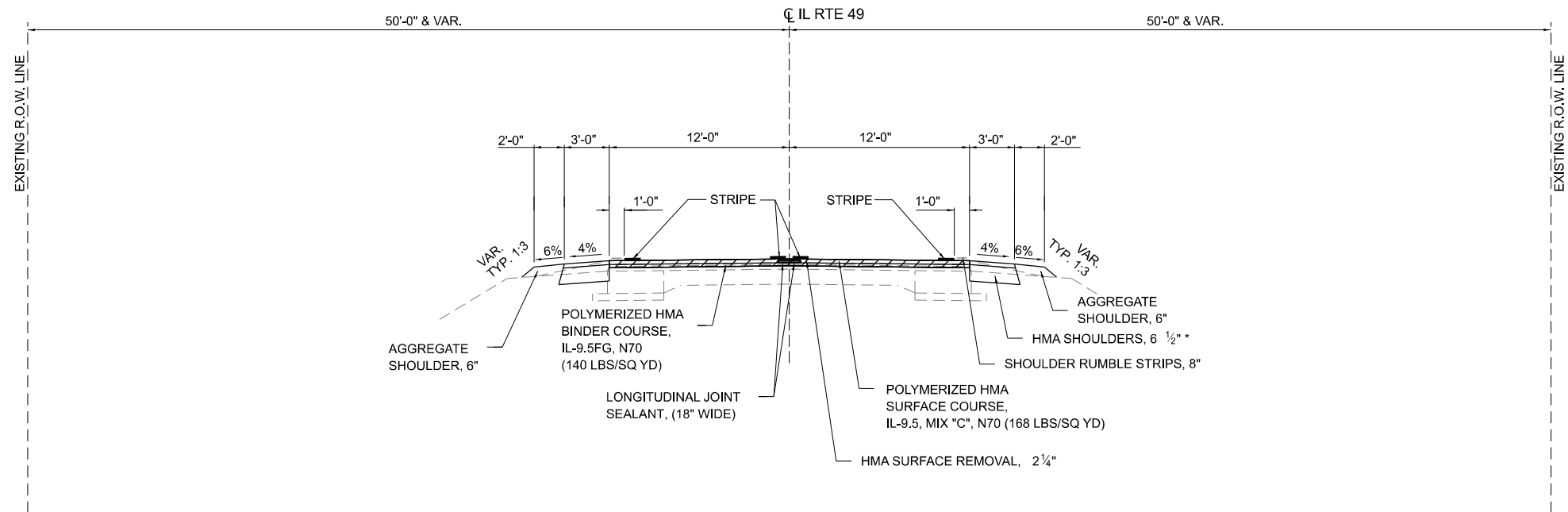
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(12)RS-4,(14)CR	EDGAR	157	25
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-WL5(692)				



EXISTING TYPICAL CROSS SECTION (IL 49) (L)

STA. 325+01.50 TO STA. 329+86.08 (M)

HMA SURFACE COURSE, (168 LBS/SQ YD) PLACED ON BOTH
HMA BINDER COURSE AND HMA SHOULDER, 6 1/2"



PROPOSED TYPICAL CROSS SECTION (IL 49) (12)

STA. 325+01.50 TO STA. 329+86.08 (13)

* HMA SHOULDERS, 6 1/2"
STA. 325+01.50 TO STA. 329+86.08 RT
STA. 325+01.50 TO STA. 332+00.00 LT

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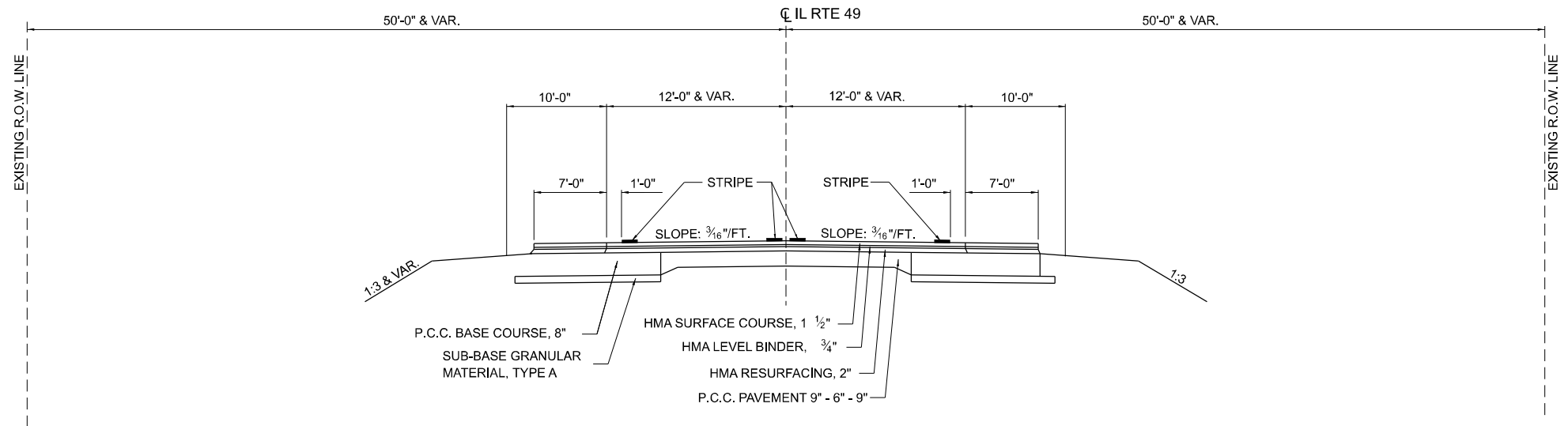
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	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 49 TYPICAL SECTIONS

SCALE: - SHEET 14 OF 16 SHEETS STA. AS NOTED TO STA. AS NOTED

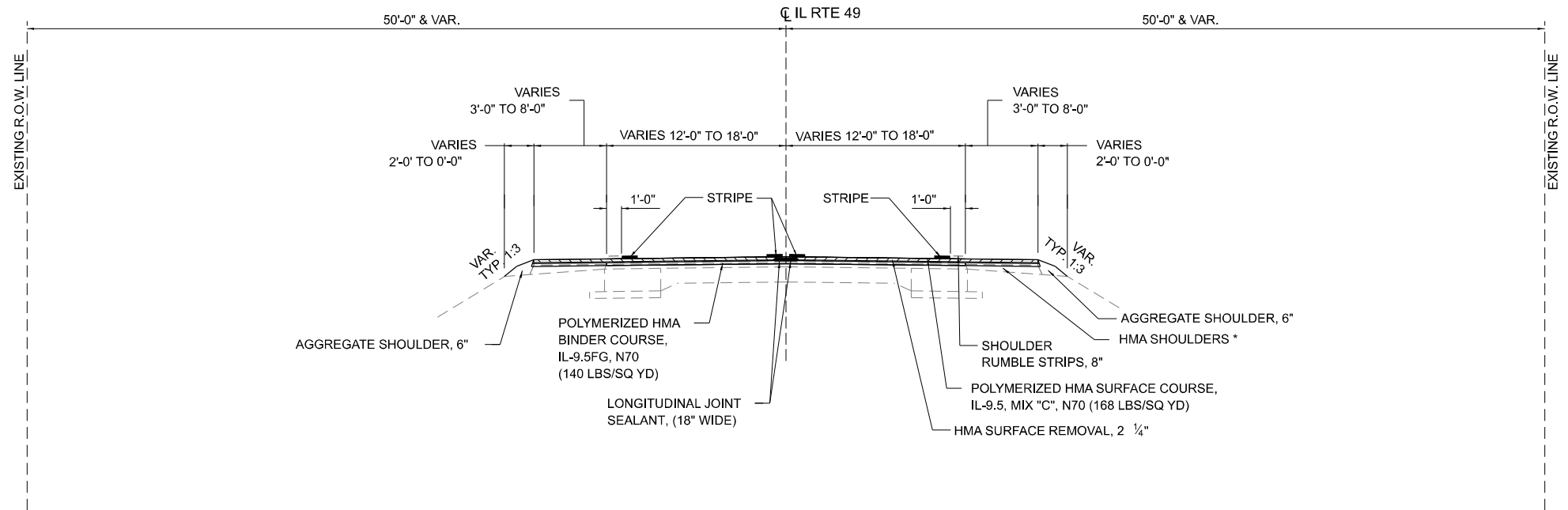
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(12)RS-4,(14)CR	EDGAR	157	26
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				



EXISTING TYPICAL CROSS SECTION (IL 49) (L)

STA. 329+86.08 TO STA. 346+95.50 (M)

HMA SURFACE COURSE, (168 LBS/SQ YD) PLACED ON BOTH HMA BINDER COURSE AND HMA SHOULDER



PROPOSED TYPICAL CROSS SECTION (IL 49) (13)

STA. 329+86.08 TO STA. 346+95.50 (14)

* HMA SHOULDERS (PAVED WITH MAINLINE LANES)
STA. 329+86.08 to STA. 344+70.24 RT
STA. 332+00.00 TO STA. 346+95.50 LT

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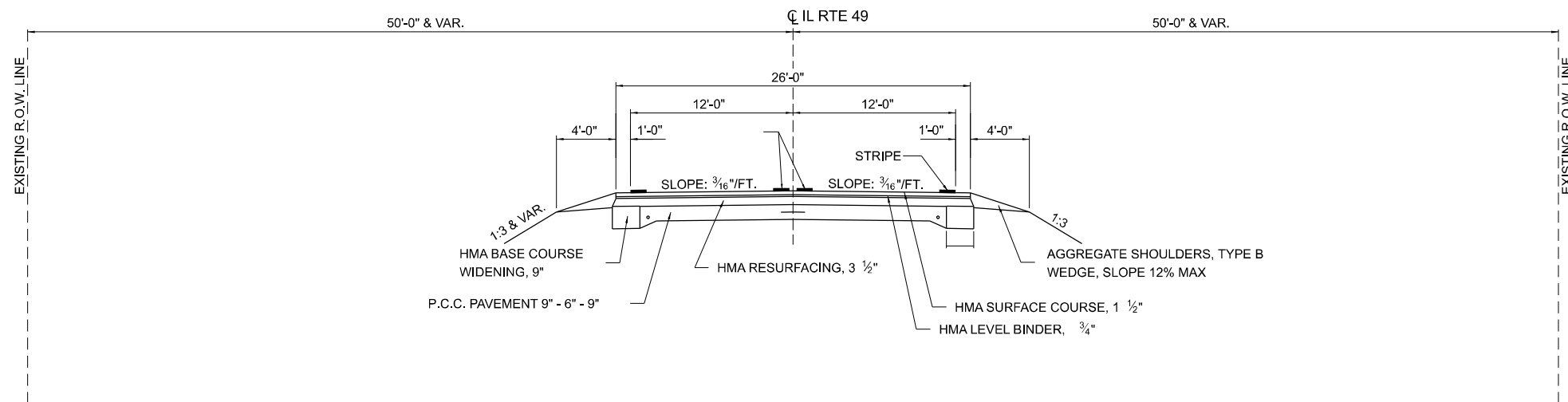
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PLOT DATE = 3/21/2024	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
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IL 49 TYPICAL SECTIONS

SCALE: - SHEET 15 OF 16 SHEETS STA. AS NOTED TO STA. AS NOTED

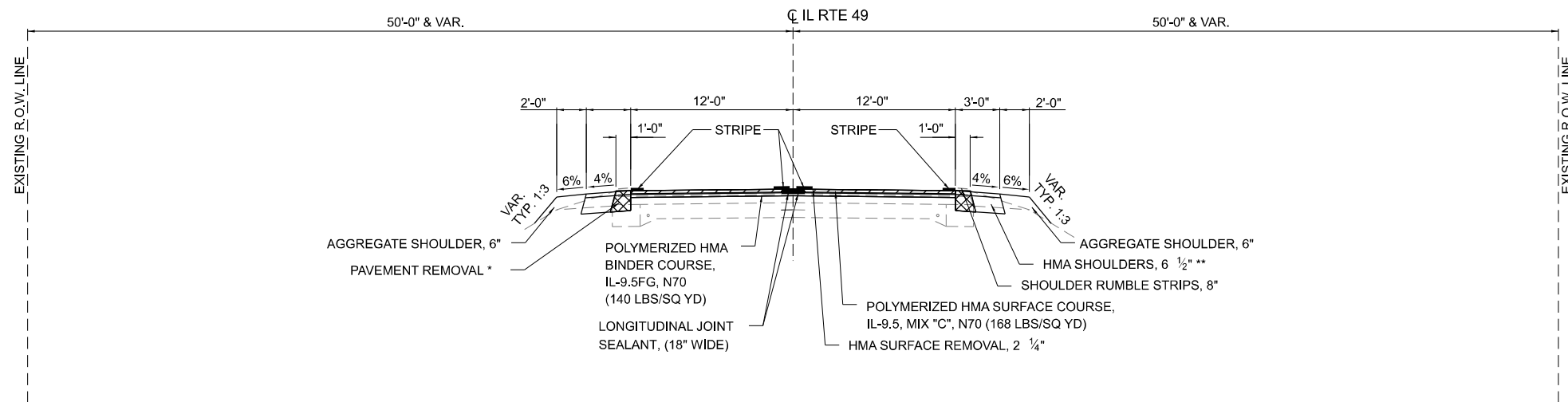
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(12)RS-4,(14)CR	EDGAR	157	27
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-WL5(692)				



EXISTING TYPICAL CROSS SECTION (IL 49) (M)

(L) STA. 352+07.00 TO STA. 346+95.50
 STA. 346+95.50 TO STA. 352+73.00

HMA SURFACE COURSE, (168 LBS/SQ YD) PLACED ON BOTH
 HMA BINDER COURSE AND HMA SHOULDER, 6 1/2"



PROPOSED TYPICAL CROSS SECTION (IL 49) (14)

(14) STA. 346+95.50 TO STA. 352+73.00

** HMA SHOULDERS, 6 1/2"
 STA. 344+70.24 TO STA. 352+73.00 RT
 STA. 346+95.50 TO STA. 352+73.00 LT

* PAVEMENT REMOVAL DEPTH SHALL NOT EXCEED 8" UNLESS
 OTHERWISE DIRECTED BY THE ENGINEER.

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	DATE - 03/21/2024	REVISED -

**STATE OF ILLINOIS
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IL 49 TYPICAL SECTIONS

SCALE: - SHEET 16 OF 16 SHEETS STA. AS NOTED TO STA. AS NOTED

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14CR)	EDGAR	157	28
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				

HOT-MIX ASPHALT SCHEDULE (CONT'D)

IL 49 - SOUTHBOUND HMA SCHEDULE							40600290		40603218	40604152	40600370	44000158	44000158	40600982
STATION	TO	STATION	LENGTH (FEET)	BINDER WIDTH (FEET)	SURFACE WIDTH (FEET)	SHOULDER WIDTH (FEET)	BITUMINOUS	HMA BC	POLYMERIZED	POLYMERIZED	LONGITUDINAL	HMA SURFACE	HMA SURFACE	HMA SURFACE
							MATERIALS TACK COAT (POUND)	FACTOR (LBS/SQ YD)	HMA BC IL-9.5FG, N70 (TON)	HMA SC, IL-9.5, MIX "C", N70 (TON)	JOINT SEALANT (FEET)	REMOVAL 2.25" (SQ YD)	REMOVAL 2.25" (SHLD) (SQ YD)	REMOVAL BUTT JOINT (SQ YD)
325+01.50		329+36.35	434.85	13	13		423.98	140	43.97	52.76	434.85	628.12	0.00	65
329+36.35		333+21.46	385.11	15	15.5	4.00	563.22	140	58.41	70.09	770.22	663.25	171.16	
333+31.35		338+52.38	521.03	18	18	4.00	859.70	140	89.15	106.98	1042.06	1042.06	231.57	
338+52.38		343+87.41	535.03	18	18	4.00	882.80	140	91.55	109.86	1070.06	1070.06	237.79	
343+87.30		347+17.30	330	15.5	15.5	4.78	501.93	140	52.05	62.46	660.00	568.33	175.27	
347+17.30		352+73.00	555.7	13	13		541.81	140	56.19	67.42	555.70	802.68	0.00	65
IL 49 - SOUTHBOUND TOTALS							3773.44		391.32	469.58	4532.89	4774.49	815.79	130

HMA SCHEDULE TOTALS	40600290	40603218	40604152	40600370	40600982	44000156	44000158	X4060221	30201700	
	BITUMINOUS MATERIALS TACK COAT (POUND)	POLYMERIZED HMA BC IL-9.5FG, N70 (TON)	POLYMERIZED HMA SC IL-9.5, MIX "C", N70 (TON)	LONGITUDINAL JOINT SEALANT (FEET)	HMA SURFACE REMOVAL BUTT JOINT (SQ YD)	HMA SURFACE REMOVAL 1.75" (SQ YD)	HMA SURFACE REMOVAL 2.25" (SQ YD)	COLD IN-PLACE RECYCLING 4.0" (SQ YD)	PORTLAND CEMENT (0.002 TN/SY) (TON)	CIR-FDR FOAMED ASPHALT (TON)
IL 133 EB	72616.57	7781.36	9036.73	75537.00	384.00	28,465.15	40,193.70	106,580.10	213.16	426.32
IL 133 EB SHOULDER	958.58	99.41	119.29	2304.37	0.00	0.00	1,387.74	0.00	0.00	0
IL 133 WB	72616.57	7781.36	9036.73	75537.00	384.00	28,465.15	38,322.68	106,580.10	213.16	213.16
IL 133 WB SHOULDER	1055.71	109.48	131.38	2755.65	0.00	0.00	1,564.01	0.00	0.00	0
IL 49 NB	3163.27	328.04	393.65	2725.29	130.00	0.00	4,686.32	0.00	0.00	0
IL 49 NB SHOULDER	523.32	54.27	65.12	1679.63	0.00	0.00	775.29	0.00	0.00	0
IL 49 SB	3222.78	334.21	401.06	2761.72	130.00	0.00	4,774.49	0.00	0.00	0
IL 49 SB SHOULDER	550.66	57.11	68.53	1771.17	0.00	0.00	815.79	0.00	0.00	0
TOTAL	154707.45	16545.25	19252.48	165071.83	1,028.00	56,930.31	92,520.02	213,160.19	426.32	639.48
IL 133 - RURAL TOTAL	133624.94	14358.91	16628.88	141603.37	642.00	42582.18	75634.79	192978.74	385.96	579.15
IL 49 - RURAL TOTAL	7460.03	773.63	928.36	8937.81	260.00	0.00	11051.89	0.00	0.00	0.00
IL 133 - URBAN TOTAL	13622.48	1412.70	1695.24	14530.65	126.00	14348.13	5833.33	20181.46	40.36	60.33

PAVEMENT PATCHING

IL 133 - PATCHING SCHEDULE										44201803	44201807	44201809
STATION	TYPICAL SECTION	DIRECTION						THICKNESS BASED ON TYPICAL (INCHES)	CLASS D PATCHING TYPE II, 13" (SQ YD)	CLASS D PATCHING TYPE III, 13" (SQ YD)	CLASS D PATCHING TYPE IV, 13" (SQ YD)	
		EASTBOUND			WEST BOUND							
		AREA SQ FT	AREA SQ FT	AREA SQ YD	AREA SQ FT	AREA SQ FT	AREA SQ YD					
7+52.00	4	12'X12'	144	16.00	12'X12'	144	16.00	13.50	0	32	0	
192+06.00	6	25'X12'	300	33.33	12'X12'	144	16.00	12.75	0	16	33.33	
192+66.00	6	20'X12'	240	26.67	-	0	0.00	12.75	0	0	26.67	
316+21.00	7	-	0	0.00	10'X12'	120	13.34	12.75	13.34	0	0	
318+80.00	7	-	0	0.00	50'X12'	600	66.67	12.75	0	0	66.67	
321+99.00	7	-	0	0.00	20'X12'	240	26.67	12.75	0	0	26.67	
324+70.00	7	-	0	0.00	12'X12'	144	16.00	12.75	0	16	0	
335+55.00	7	-	0	0.00	20'X12'	240	26.67	12.75	0	0	26.67	
336+85.00	7	-	0	0.00	25'X12'	300	33.34	12.75	0	0	33.34	
338+20.00	7	-	0	0.00	12'X12'	144	16.00	12.75	0	16	0	
354+25.00	7	-	0	0.00	60'X12'	720	80.00	12.75	0	0	80	
356+30.00	7	-	0	0.00	15'X12'	180	20.00	12.75	0	20	0	
379+20.00	7	-	0	0.00	20'X12'	240	26.67	12.75	0	0	26.67	
381+15.00	7	-	0	0.00	20'X12'	240	26.67	12.75	0	0	26.67	
385+77.00	7	-	0	0.00	12'X12'	144	16.00	12.75	0	16	0	
396+90.00	7	25'X12'	300	33.33	25'X12'	300	33.34	12.75	0	0	66.67	
413+70.00	7	12'X12'	144	16.00	12'X12'	144	16.00	12.75	0	32	0	
441+00.00	7	12'X12'	144	16.00	12'X12'	144	16.00	12.75	0	32	0	
444+00.00	7	12'X12'	144	16.00	12'X12'	144	16.00	12.75	0	32	0	
447+95.00	7	125'X12'	1500	166.67	125'X12'	1500	166.67	12.75	0	0	333.34	
487+95.00	7	-	0	0.00	30'X12'	360	40.00	12.75	0	0	40	
490+50.00	7	-	0	0.00	12'X12'	144	16.00	12.75	0	16	0	
491+40.00	7	-	0	0.00	20'X12'	240	26.67	12.75	0	0	26.67	
494+25.00	7	-	0	0.00	25'X12'	300	33.34	12.75	0	0	33.34	
501+42.00	7	40'X12'	480	53.33	40'X12'	480	53.34	12.75	0	0	106.67	
506+90.00	7	20'X12'	240	26.67	25'X12'	300	33.34	12.75	0	0	60.01	
609+49.00	8	-	0	0.00	25'X12'	300	33.34	12.75	0	0	33.34	
632+90.00	8	12'X12'	144	16.00	20'X12'	240	26.67	12.75	0	16	26.67	
TOTAL =									14	244	1074	
IL 133 - RURAL PATCH TOTALS									13.34	228	1046.73	
IL 133 - URBAN PATCH TOTALS									0	16	26.67	

MODEL: S0404
 FILE NAME: C:\ORD\2020\0401\IL 133_DBSheets\770C14-HMA-Schedule.dwg



USER NAME = jason.dove	DESIGNED - RAB	REVISED -
PLOT SCALE = 0.1667"/in	DRAWN - MCE	REVISED -
PLOT DATE = 3/21/2024	CHECKED - JWD	REVISED -
	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N/A SHEET 4 OF 13 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(12)RS-4,(14)CR	EDGAR	157	32
CONTRACT NO. 70C14				
ILLINOIS FED.AID PROJECT STP-RURAL-1W5(692)				

INCIDENTAL HOT-MIX ASPHALT SCHEDULE (CONT'D)

Main table with columns: ENTRANCE STATION, TYPE, LENGTH OF INCIDENTAL, AREA OF INCIDENTAL, HMA SURFACE REMOVAL, BIT MATLS TACK COAT, INCIDENT HMA SC FACTOR, TEMP RAMP DROPOFF, RAMP WIDTH, POST-MILL (RAISE HEIGHT, RAMP LENGTH, TEMPORARY), POST-BINDER (RAISE HEIGHT, RAMP LENGTH, TEMPORARY), and SUBTOTALS.

TEMPORARY RAMP

TEMPORARY RAMP SCHEDULE - MAINLINE table with columns: STATION, LOCATION, REASON, RAISE/ DROPOFF, RAMP DROPOFF, RAMP LENGTH, RAMP WIDTH, 40600990 TEMPORARY. Includes a note: *SEE INCIDENTAL HMA SCHEDULE FOR SIDEROAD RAMPS.

MODEL: S0147
FILE NAME: C:\OR02\020401A_IL_133_DBS\Sheet27701-4-mh-Schedule.dgn



USER NAME = jason.dove
PLOT SCALE = 0.1667"/in
PLOT DATE = 3/21/2024

DESIGNED - RAB
DRAWN - MCE
CHECKED - JWD
DATE - 03/21/2024
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
SCALE: N/A SHEET 7 OF 13 SHEETS STA. TO STA.

F.A.P. RTE. 749
SECTION (14)RS-3(12)RS-4,(14)CR
COUNTY EDGAR
TOTAL SHEETS 157
SHEET NO. 35
CONTRACT NO. 70C14
ILLINOIS FED.AID PROJECT STP-RURAL-IL-5(692)

EARTHWORK SCHEDULE

EARTHWORK CALCULATIONS				A	B	C = A-B	D	E	F = D+E	G = 85% C-F	H = C	I = G								
ROAD	STATION	TO	STATION	CUT & MILLING	MILLING	CUT	SUBGRADE FILL	SHOULDER FILL	FILL	EARTHWORK BALANCE	20200100 EARTH EXCAVATION	20400800 FURNISHED EXCAVATION	25000210 SEEDING, CLASS 2A	NUTRIENT RATE	25000400 NITROGEN FERT NUTR	25000500 PHOSPHORUS FERT NUTR	25000600 POTASSIUM FERT NUTR	25100115 MULCH, METHOD 2	28000250 TEMP EROS CONTR SEED	
				(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(ACRE)	90 LBS/ACRE	POUND	POUND	POUND	(ACRE)
IL 133	991+02.66		1059+13.00	1280.99	1095.63	185.36	5.12	0.00	5.12	152.43	185.36	0.00	0.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00
IL 133	11+55.00		70+00.00	1124.74	1051.04	73.70	1.11	6.90	8.02	54.63	73.70	0.00	0.25	90.00	22.50	22.50	22.50	0.25	25.00	
IL 133	70+00.00		101+00.00	7.17	2.14	5.03	1.07	365.39	366.47	-362.19	5.03	0.00	0.00	90.00	0.00	0.00	0.00	0.00	0.00	
IL 133	101+00.00		159+27.63	1155.26	1045.21	110.05	1.75	0.00	1.75	91.79	110.05	0.00	0.00	90.00	0.00	0.00	0.00	0.00	0.00	
IL 133	161+00.00		263+60.00	1769.36	1526.93	242.43	10.44	382.73	393.17	-187.11	242.43	89.05	0.75	90.00	67.50	67.50	67.50	0.75	75.00	
IL 133	263+60.00		417+49.50	177.43	33.19	144.24	40.49	0.00	40.49	82.12	144.24	0.00	0.00	90.00	0.00	0.00	0.00	0.00	0.00	
IL 133	418+97.00		524+00.00	169.00	100.76	68.24	121.64	0.00	121.64	-63.64	68.24	0.00	0.00	90.00	0.00	0.00	0.00	0.00	0.00	
IL 133	524+00.00		695+41.39	2473.38	2331.85	141.53	225.10	0.00	225.10	-104.80	141.53	86.32	0.00	90.00	0.00	0.00	0.00	0.00	0.00	
IL 49 (RT)	325+01.50		329+86.08	0.00	0.00	35.89	0.00	0.00	0.00	30.51	35.89	0.00	0.00	90.00	0.00	0.00	0.00	0.00	0.00	
IL 49 (LT)	325+01.50		332+00.00	0.00	0.00	51.74	0.00	0.00	0.00	43.98	51.74	0.00	0.00	90.00	0.00	0.00	0.00	0.00	0.00	
IL 49 (RT)	344+70.24		352+73.00	0.00	0.00	59.46	0.00	0.00	0.00	50.54	59.46	0.00	0.00	90.00	0.00	0.00	0.00	0.00	0.00	
IL 49 (LT)	346+95.50		352+73.00	0.00	0.00	42.78	0.00	0.00	0.00	36.36	42.78	0.00	0.00	90.00	0.00	0.00	0.00	0.00	0.00	
TOTAL =				8157.32	7186.75	1160.45	406.73	755.03	1161.75	-175.37	1160.45	175.37	1.00		90.00	90.00	90.00	1.00	100.00	
* SEE DRAINAGE SCHEDULE FOR DITCH GRADING											RURAL	1105	140	1.00	0.00	90.00	90.00	90.00	1.00	100.00
											URBAN	60	40	0.00	0.00	0.00	0.00	0.00	0.00	0.00

SURVEY MARKER SCHEDULE

SURVEY MARKER SCHEDULE							XZ193400	Z0070202
POINT	TYPE	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION	SURVEY MARKER TY 2, SPL (EACH)	SURVEY MARKER VAULT (EACH)
	CALC POT	1,086,374.01	1,087,786.21	991+50.51	0.00	START OF STATIONING	1	
	PI	1,086,334.19	1,089,274.25	1006+54.88	-71.25	MAG NAIL SET	1	
	PI	1,086,003.68	1,090,108.11	1015+44.44	-18.72	MAG NAIL SET	1	
	STA EQ	1,085,036.89	1,095,845.37	0+90.22	0.01	MAG NAIL SET	1	
	PI	1,084,673.64	1,098,368.38	26+48.52	57.31	MAG NAIL SET	1	
	PI	1,084,034.75	1,099,972.94	43+90.39	101.11	MAG NAIL SET	1	
200	SECTION CORNER	1,084,064.44	1,103,903.02	83+10.69	-0.14	EXISTING VAULT FOUND		1
201	SECTION CORNER	1,084,231.85	1,108,724.48	131+35.14	0.00	EXISTING VAULT FOUND		1
202	SECTION CORNER	1,084,412.36	1,114,112.30	185+26.41	0.00	EXISTING VAULT FOUND		1
	PI	1,084,213.56	1,108,380.10	127+90.31	3.65	MAG NAIL SET	1	
	PI	1,084,292.79	1,109,781.90	141+94.39	-5.25	MAG NAIL SET	1	
	PI	1,084,241.96	1,116,617.16	211+16.67	-255.72	MAG NAIL SET	1	
	STA EQ	1,083,586.67	1,117,765.37	223+91.35	0.00	MAG NAIL SET	1	
	PI	1,080,231.06	1,122,331.20	281+39.77	389.18	MAG NAIL SET	1	
	STA EQ	1,079,195.30	1,125,291.23	312+20.70	0.00	MAG NAIL SET	1	
	PI	1,076,535.36	1,137,034.10	430+39.61	-89.44	MAG NAIL SET	1	
	PI	1,074,802.85	1,140,273.93	467+46.01	155.99	MAG NAIL SET	1	
	PI	1,074,611.40	1,149,615.34	561+87.31	-371.92	MAG NAIL SET	1	
	STA EQ	1,073,662.88	115,139.57	602+50.07	0.00	MAG NAIL SET	1	
	PI	1,069,976.49	1,156,560.80	667+02.16	310.64	MAG NAIL SET	1	
TOTAL =							17	3
RURAL							16	3
URBAN							1	0

MODEL: S:\496
 FILE NAME: C:\ORD\2020-001A\133_DBSheets\270C14EarthSchedule.dgn



USER NAME = jason.dove	DESIGNED - RAB	REVISED -
PLOT SCALE = 0.1667" / 1'	DRAWN - MCE	REVISED -
PLOT DATE = 3/21/2024	CHECKED - JWD	REVISED -
	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES	
SCALE: N/A	SHEET 9 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	37
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-1W-5(692)				

PAVEMENT MARKING SUMMARY

PAVEMENT MARKING SUMMARY	78001110	70300221	78000100	78011000	70300211	78000650	78011125	70300281	78000600	78011065	78000200	78011025	70300150	70300100
	PAINT PVMT MK LINE 4"	TEMP PVMT MK LINE 4" - PAINT	THERMOPLASTIC PVMT MK LETR & SYMS	GROOVING FOR RECESSED LETR & SYMS	TEMP PVMT MK L & S - PAINT	THERMOPLASTIC PVMT MK LINE 24"	GROOVING FOR RECESSED PVMT MK 25"	TEMP PVMT MK LINE 24"	THERMOPLASTIC PVMT MK LINE 12"	GROOVING FOR RECESSED PVMT MK 13"	THERMOPLASTIC PVMT MK LINE 4"	GROOVING FOR RECESSED PVMT MK 5"	SHORT TERM PVMT MK RMVL	SHORT TERM PVMT MK
LOCATION	(FEET)	(FEET)	(SQ FT)	(SQ FT)	(SQ FT)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(SQ FEET)	(FEET)
RURAL IL 133	169855.5	509566.5	124.8	124.8	249.6	84.0	84.0	168.0	2350.9	2350.9	10295.6	10295.6	2153.0	25835.8
RURAL IL 49	3581.7	48879.5	124.8	124.8	249.6	84.0	84.0	168.0	1221.3	1221.3	8418.3	8418.3	0	0
URBAN	16293.2	7163.2	0	0	0	0	0	0	0	0	0	0	219.4	2633.2
TOTAL	189730.4	565609.2	249.6	249.6	499.2	168.0	168.0	336.0	3572.2	3572.2	18713.9	18713.9	2372.4	28469.0

PAVEMENT MARKING - SHORT TERM

ROAD	STATION	TO	STATION	DISTANCE (FEET)	FACTOR	REMARKS	70300150	NUMBER TIMES SHORT TERM APPLIED	70300100
							SHORT TERM PVMT MK RMVL (SQ FT)		SHORT TERM PVMT MK (FEET)
IL 133	991+50.51		1073+14.31	8163.8	0.091		247.4	4	2968.7
IL 133	1+47.59		159+28.02	15780.43	0.091		478.2	4	5738.3
IL 133	160+73.77		417+60.95	25687.18	0.091		778.4	4	9340.8
IL 133	418+90.76		623+00.00	20409.24	0.091		618.5	4	7421.5
IL 133	623+00.00		695+41.39	7241.39	0.091		219.4	4	2633.2
IL 133	335+61.46		338+10.46	249	0.091		7.5	4	90.5
IL 133	338+99.30		341+47.30	248	0.091		7.5	4	90.2
IL 133	1070+76.50		1073+37.60	261.1	0.091		7.9	4	94.9
IL 133	1+25.19		3+75.08	249.89	0.091		7.6	4	90.9
TOTAL							2372.4	4	28469.0

RAISED REFLECTIVE PAVEMENT MARKERS

REFLECTOR SCHEDULE	78100100
	RAISED REFLECTIVE PAVEMENT MARKER
TYPE	(EACH)
AMBER TWO-WAY	1044
AMBER ONE-WAY	109
CRYSTAL ONE-WAY	28
CRYSTAL TWO-WAY	1486
TOTAL	2667
	78300200
	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
EACH	980

SIGN PANELS AND SUPPORTS

SIGN PANELS AND SUPPORTS		72000100	72800100
STATION	REMARKS	SIGN PANEL T1	TELESCOPING STEEL SIGN SUPPORT
		(SQ FT)	(FOOT)
535+42.13	NO PASSING SIGN	11.1	8
607+84.90	NO PASSING SIGN	11.1	8
TOTAL		22.2	16

MODEL: SCH11
FILE NAME: \\c:\work\drawings\06\06\2024\04\01\IL_133_DS\Sheets\ZTC1-4-18-Sched.qdw



USER NAME = rhammon, burroughs	DESIGNED - RAB	REVISED
	DRAWN - MCE	REVISED -
PLOT SCALE = 0.1667" = 1'	CHECKED - JWD	REVISED -
PLOT DATE = 5/6/2024	DATE - 03/21/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES			
SCALE: N/A	SHEET 11	OF 13 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14CR)	EDGAR	157	39
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				

CENTERLINE CONTROL POINTS

POINT	TYPE	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION	SURVEY MARKER TYPE
1	PI	1085036.889	1095845.287	1073+61.50	0.00	MAG NAIL	
2	POT	1086347.07	1086416.92	977+80.91	0.00	MAG NAIL	
44	PI	1085985.906	1090102.231	1015+44.44	18.72' RT	IRON PIN FOUND	
111	PI	1084209.859	1108380.269	127+90.31	3.65' RT	DISK	
140	PI	1084414.592	1114188.437	186+02.59	0.00	MAG NAIL	
151	PI	1082511.624	1119041.104	240+61.15	0.00	PSM/VAULT	
155	PI	1078938.086	1126465.513	321+75.64	0.00	PSM/VAULT	
161	PI	1078440.694	1128740.008	345+03.88	0.00	IRON PIN FOUND	
205	PI	1074854.058	1146399.881	528+43.75	0.00	IRON PIN FOUND	
210	PI	1072822.66	1152472.784	616+10.39	0.00	PSM/DISK	
236	PI	1069843.976	1159383.472	694+62.69	0.00	MAG NAIL	
238	PI	1084297.972	1109781.663	141+94.40	5.25' LT	MAG NAIL	
254	STA.EQ	1079195.543	1125291.236	312+20.70	0.00	PSM/DISK	
300	200	1074925.756	1148471.3	549+10.12	63.92' LT	IRON PIPE SECTION CORNER	
301	200	1074929.954	1148605.892	550+41.52	84.47' LT	MAG NAIL SECTION CORNER	
302	200	1074847.29	1145936.875	523+80.78	8.57' LT	IRON PIN FOUND	
303	200	1074844.148	1145843.866	522+87.71	8.51' LT	PSM/VAULT	
304	201	1074768.451	1143322.485	497+65.21	16.34' LT	IRON PIN FOUND	
305	200	1084418.953	1114094.425	185+08.73	6.85' LT	IRON PIN FOUND	
306	201	1084323.199	1111411.494	158+24.20	17.9' RT	IRON PIN FOUND	
307	200	1084227.623	1108728.53	131+38.95	4.4' RT	PSM/VAULT	
308	201	1086369.76	1087786.175	991+50.35	4.25' RT	RAILROAD SPIKE	
257	PT/STA.EQ	1083587.778	1117764.341	223+82.80	0.00	MAG NAIL	
258	PT/STA.EQ	1073661.986	1151402.275	581+24.85	0.00	IRON PIN FOUND	

SECTION CORNERS

POINT	TYPE	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION	SURVEY MARKER TYPE
300	SECTION CORNER	1074925.756	1148471.3	549+10.12	63.92' LT	IRON PIPE	
301	SECTION CORNER	1074929.954	1148605.892	977+80.91	84.47'LT	MAG NAIL	

MODEL: Control Points IL 133
FILE NAME: G:\PROJETS\2024\IL 133\Drawings\2701-HealthControl Points.dgn



USER NAME = jason.dove
PLOT SCALE = 0.1667" / in.
PLOT DATE = 3/21/2024

DESIGNED - RAB
DRAWN - MCE
CHECKED - JWD
DATE - 03/21/2024

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 133 CONTROL POINTS

SCALE: - SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14CR)	EDGAR	157	42
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				

CENTERLINE CONTROL POINTS

5047_ALL ALIGNMENT Kansas to 1800TH RD

POINT	TYPE	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION	SURVEY MARKER TYPE
TDL1	CALC POT	1051700.185	1095264.950	0+00.00	0.00	NOT SET (USED FOR STATIONING) OUTSIDE SURVEY LIMITS	SET NOTHING
1	PI	1057187.912	1095137.156	56+97.80	2.90	MAG NAIL SET	TYPE II
5	PI	1064830.117	1094868.915	133+44.69	-3.39	MAG NAIL SET	TYPE II
B105	STA EQ	1070598.478	1094747.984	191+14.30	0.00	MAG NAIL SET (191+11.74AH)	TYPE II
10	PI	1072821.735	1094701.374	212+76.32	-165.39	EXISTING I.P. FOUND (213+35.49)	SET NOTHING
13	PI	1073439.976	1095798.093	224+55.71	79.55	EXISTING I.P. FOUND (224+76.14)	SET NOTHING
PCC15	PCC	1073830.510	1095912.670	228+42.28	0.00	MAG NAIL SET	TYPE II
15	PI	1074158.678	1096008.953	231+81.72	25.74	EXISTING I.P. FOUND	SET NOTHING
B106	STA EQ	1075863.904	1095983.274	248+84.56	0.00	MAG NAIL SET (246+78.52AH)	TYPE II
20	PI KINK	1083315.491	1095871.062	321+30.95	0.00	EXISTING DISK FOUND	TYPE II
24	PI	1095406.508	1095693.499	442+23.27	0.31	MAG NAIL FOUND	TYPE II
29	PI	1105009.698	1095548.088	538+27.42	7.34	MAG NAIL SET (538+27.56)	TYPE II
101	PI	1106120.577	1095465.902	549+41.08	-6.45	MAG NAIL SET (549+41.19)	TYPE II
34	PI KINK	1110464.233	1095369.257	592+85.70	0.00	EXISTING VAULT ALSO = SECTION CORNER #202	VAULT
36	PI	1115641.956	1095256.186	644+64.66	-0.99	MAG NAIL SET	TYPE II

SECTION CORNERS

5047_ALL ALIGNMENT Kansas to 1800TH RD

POINT	TYPE	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION	SURVEY MARKER TYPE
200	SECTION CORNER	1054515.045	1095198.856	30+24.24	-0.54	EXISTING VAULT FOUND	VAULT
201	SECTION CORNER	1078532.036	1095980.091	273+46.40	36.99	I.P. FOUND	VAULT
202	SECTION CORNER	1110464.233	1095369.257	592+85.70	0.00	EXISTING VAULT FOUND (ALSO = PI KINK #34)	VAULT

MODEL: Control Points I 49
FILE NAME: C:\PROJ\2024\01\133_DBSheets\2701_half-Control points.dgn



USER NAME = jason.dove	DESIGNED - RAB	REVISED -
PLOT SCALE = 0.16666633' / in.	DRAWN - MCE	REVISED -
PLOT DATE = 3/21/2024	CHECKED - JWD	REVISED -
	DATE - 03/21/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 49 CONTROL POINTS

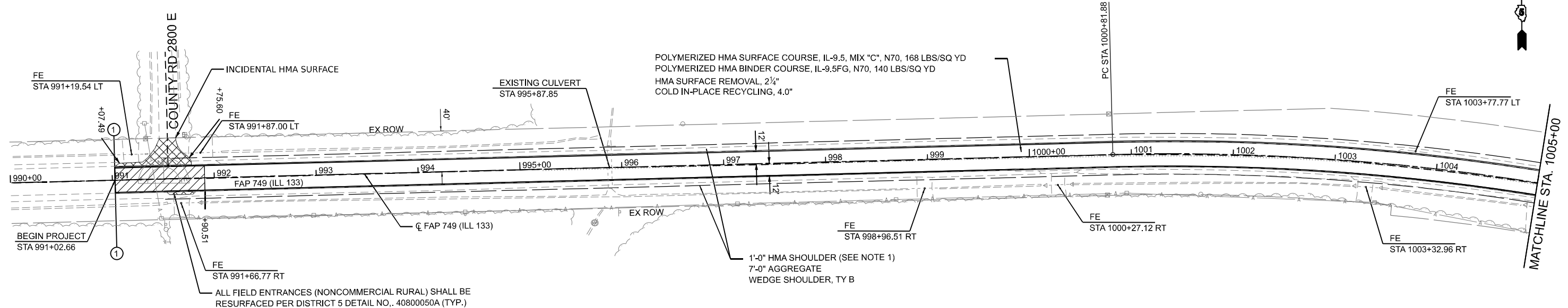
SCALE: N.T.S. SHEET 2 OF 2 SHEETS STA. TO STA.



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14CR)	EDGAR	157	43
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-WL5(692)				

SEC 22, T14N, R14W, 2ND P.M.

FPI ILLINOIS II LLC

RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.

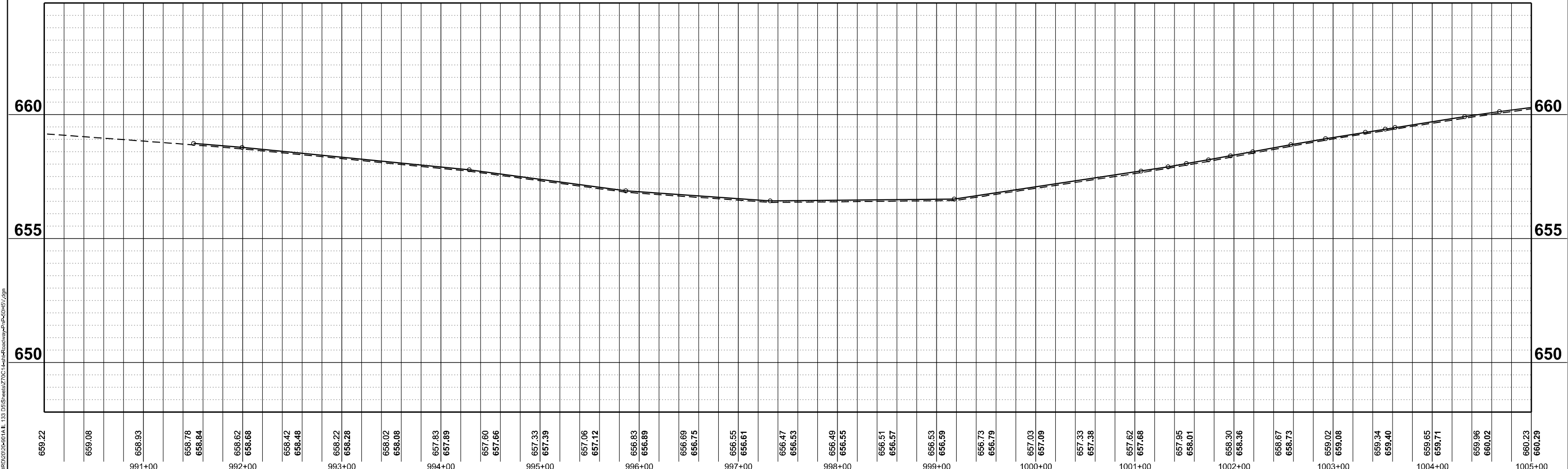


-  INCIDENTAL HMA SURFACE
-  HMA SURFACE REMOVAL- BUTT JOINT

OLTMANN'S THE DARLA KAY TR

SEC 22, T14N, R14W, 2ND P.M.

NOTES:
1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



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LUNOS DESIGN FIRM NO. 184-103325
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PLOT SCALE = 0.16660000' / in.	DRAWN - MCE	REVISED -
PLOT DATE = 3/21/2024	CHECKED - JWD	REVISED -
	DATE - 03/21/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

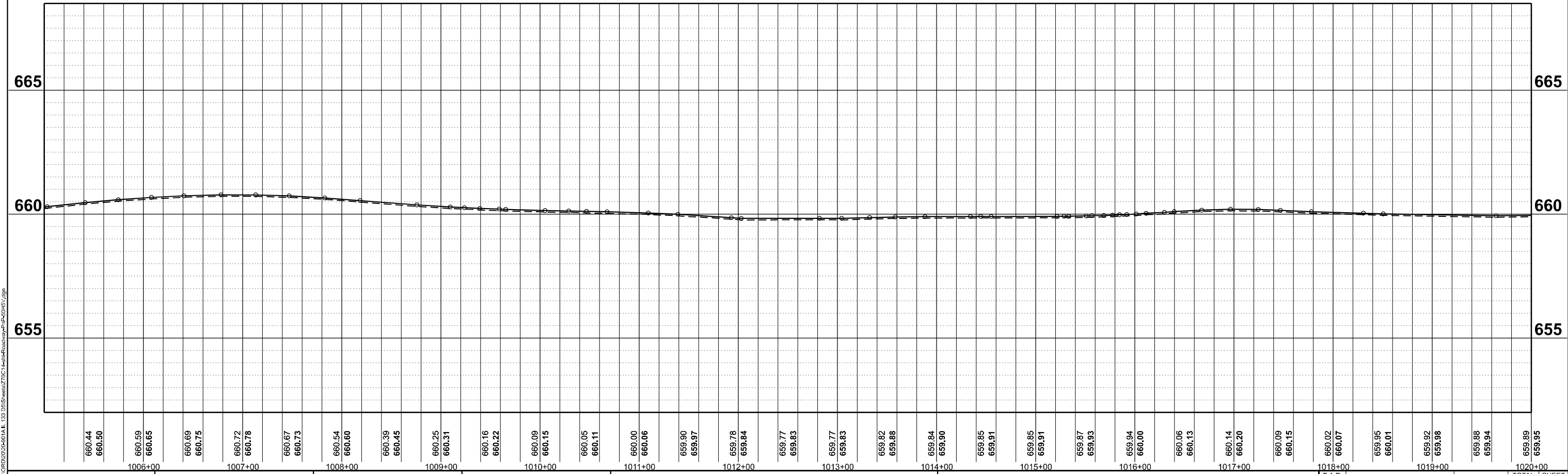
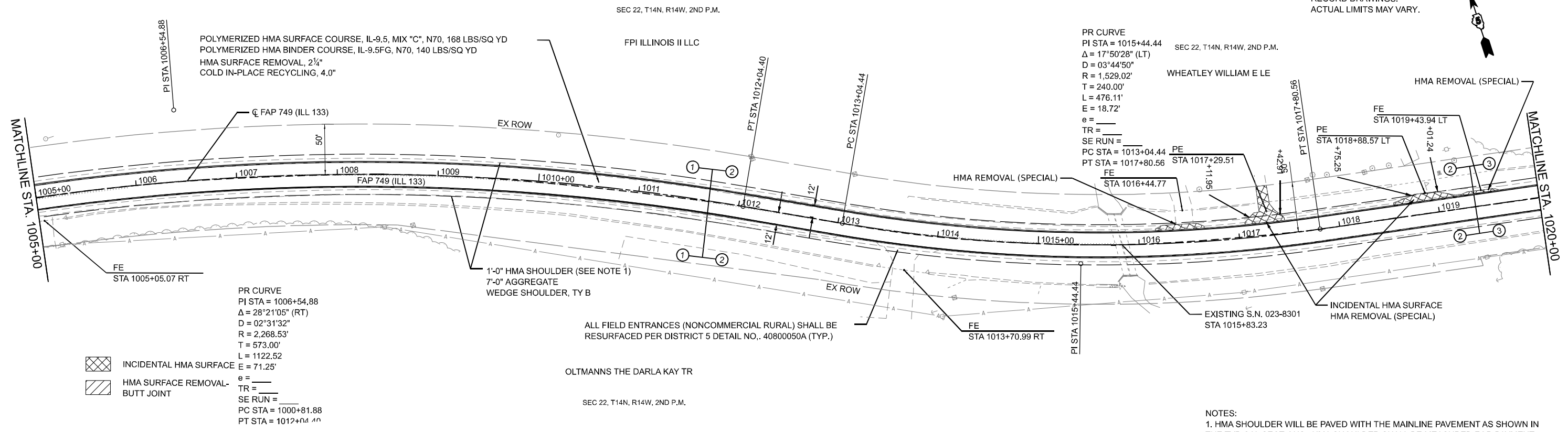
**ILL 133
PLAN & PROFILE**

SCALE: 1"=50' SHEET 1 OF 51 SHEETS STA. 990+00 TO STA. 1005+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	44
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-ILL5(692)				

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RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.



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ROCKFORD, ILLINOIS 61101
TEL: 815.396.7000 FAX: 815.396.7001
WWW.FEHRGRAHAM.COM

USER NAME = jason.dove	DESIGNED - RAB	REVISED -
PLOT SCALE = 0.16660000' / in.	DRAWN - MCE	REVISED -
PLOT DATE = 3/21/2024	CHECKED - JWD	REVISED -
	DATE - 03/08/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILL 133
PLAN & PROFILE**

SCALE: 1"=50' SHEET 2 OF 51 SHEETS STA. 1005+00 TO STA. 1020+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	45
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT ST-RURAL-1W15(692)				

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SEC 22, T14N, R14W, 2ND P.M.

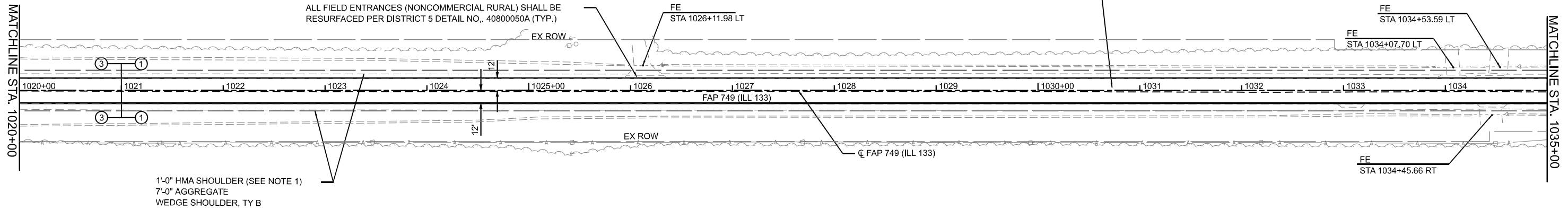
LONGVIEW BANK & TRUST

RIGHT OF WAY BASED OFF RECORD DRAWINGS. ACTUAL LIMITS MAY VARY.



POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "C", N70, 168 LBS/SQ YD
POLYMERIZED HMA BINDER COURSE, IL-9.5FG, N70, 140 LBS/SQ YD
HMA SURFACE REMOVAL, 2 1/4"
COLD IN-PLACE RECYCLING, 4.0"

ALL FIELD ENTRANCES (NONCOMMERCIAL RURAL) SHALL BE RESURFACED PER DISTRICT 5 DETAIL NO., 40800050A (TYP.)

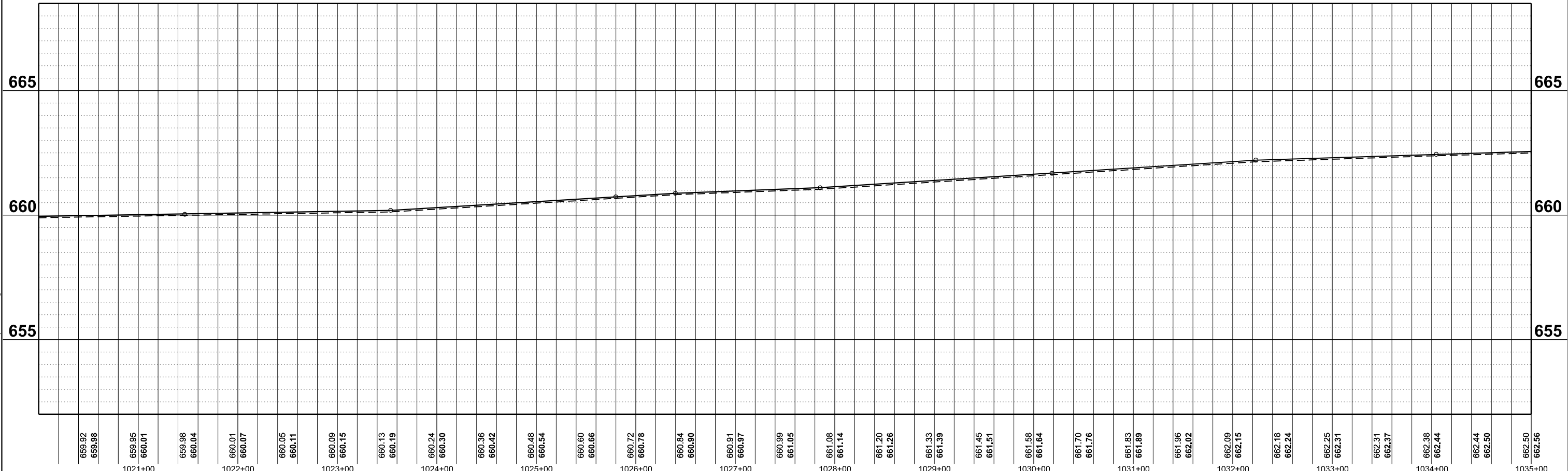


1'-0" HMA SHOULDER (SEE NOTE 1)
7'-0" AGGREGATE
WEDGE SHOULDER, TY B

LONGVIEW BANK & TRUST

SEC 22, T14N, R14W, 2ND P.M.

NOTES:
1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



659.92	659.98	659.95	660.01	659.98	660.04	660.01	660.07	660.05	660.11	660.09	660.15	660.13	660.19	660.24	660.30	660.36	660.42	660.48	660.54	660.60	660.66	660.72	660.78	660.84	660.90	660.91	660.97	660.99	661.05	661.08	661.14	661.20	661.26	661.33	661.39	661.45	661.51	661.58	661.64	661.70	661.76	661.83	661.89	661.96	662.02	662.09	662.15	662.18	662.24	662.25	662.31	662.31	662.37	662.37	662.38	662.44	662.44	662.50	662.50	662.56	662.56
1021+00		1022+00		1023+00		1024+00		1025+00		1026+00		1027+00		1028+00		1029+00		1030+00		1031+00		1032+00		1033+00		1034+00		1035+00																																	

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USER NAME = jason.dove	DESIGNED - RAB	REVISED -
PLOT SCALE = 0.16660000' / in.	DRAWN - MCE	REVISED -
PLOT DATE = 3/21/2024	CHECKED - JWD	REVISED -
	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL 133	
PLAN & PROFILE	
SCALE: 1"=50'	SHEET 3 OF 51 SHEETS
STA. 1020+00	TO STA. 1035+00

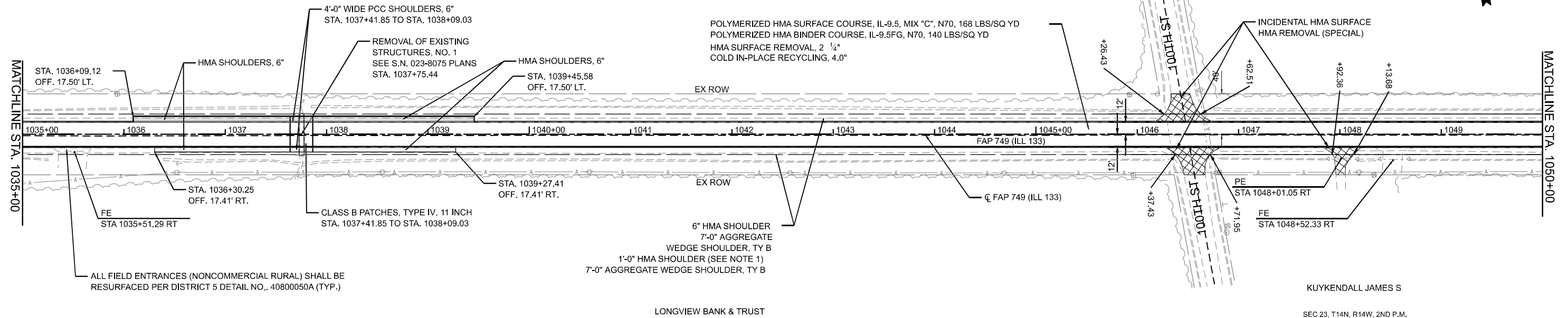
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-1,(14)CR	EDGAR	157	46
CONTRACT NO. 70C14			ILLINOIS FED. AID PROJECT STP-RURAL-IL(5)692	

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SEC 22, T14N, R14W, 2ND P.M.

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RIGHT OF WAY BASED ON RECORD DRAWINGS. ACTUAL LIMITS MAY VARY.



- INCIDENTAL HMA SURFACE HMA REMOVAL (SPECIAL)
- HMA SURFACE REMOVAL-BUTT JOINT

ALL FIELD ENTRANCES (NONCOMMERCIAL RURAL) SHALL BE RESURFACED PER DISTRICT 5 DETAIL NO., 40800050A (TYP.)

6" HMA SHOULDER
7'-0" AGGREGATE
WEDGE SHOULDER, TY B
1'-0" HMA SHOULDER (SEE NOTE 1)
7'-0" AGGREGATE WEDGE SHOULDER, TY B

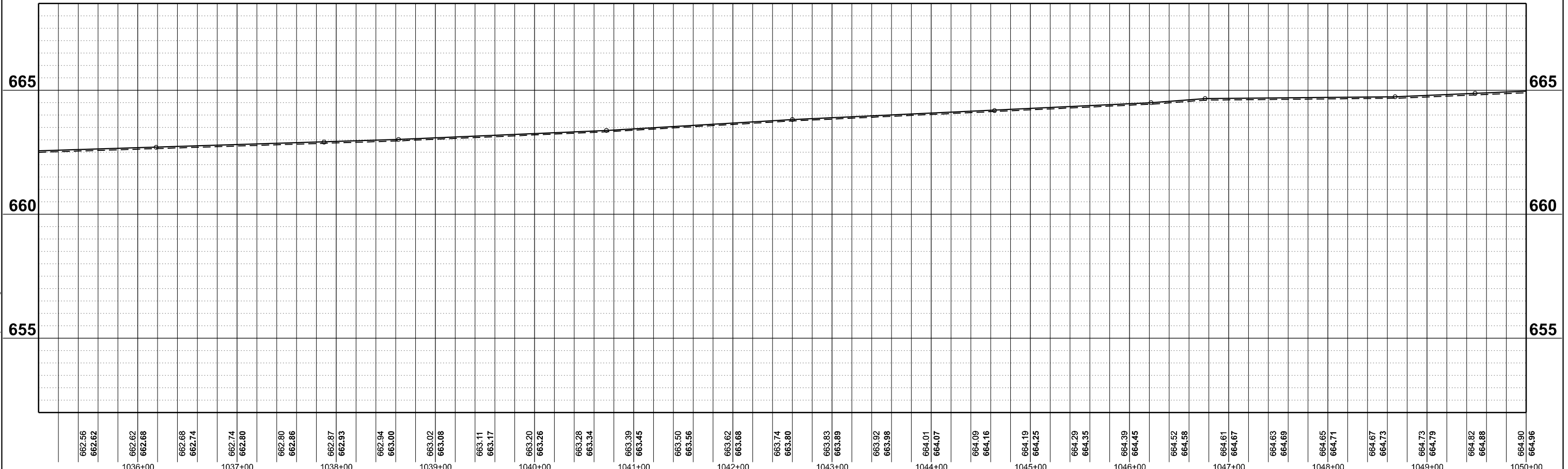
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SEC 22, T14N, R14W, 2ND P.M.

KUYKENDALL JAMES S

SEC 23, T14N, R14W, 2ND P.M.

NOTES:
1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



662.56	662.62	662.68	662.74	662.80	662.86	662.92	662.98	663.04	663.10	663.16	663.22	663.28	663.34	663.40	663.46	663.52	663.58	663.64	663.70	663.76	663.82	663.88	663.94	664.00	664.06	664.12	664.18	664.24	664.30	664.36	664.42	664.48	664.54	664.60	664.66	664.72	664.78	664.84	664.90	664.96
1036+00		1037+00		1038+00		1039+00		1040+00		1041+00		1042+00		1043+00		1044+00		1045+00		1046+00		1047+00		1048+00		1049+00		1050+00												

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PLOT SCALE = 0.16660000' / in.	DRAWN - MCE	REVISED -
PLOT DATE = 3/21/2024	CHECKED - JWD	REVISED -
	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL 133
PLAN & PROFILE
SCALE: 1"=50'
SHEET 4 OF 51 SHEETS
STA. 1035+00 TO STA. 1050+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-1,(14)CR	EDGAR	157	47
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-ILL5(692)				

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SEC 23, T14N, R14W, 2ND P.M.

SEC 23, T14N, R14W, 2ND P.M.

SEC 23, T14N, R14W, 2ND P.M.

RIGHT OF WAY BASED OFF RECORD DRAWINGS. ACTUAL LIMITS MAY VARY.

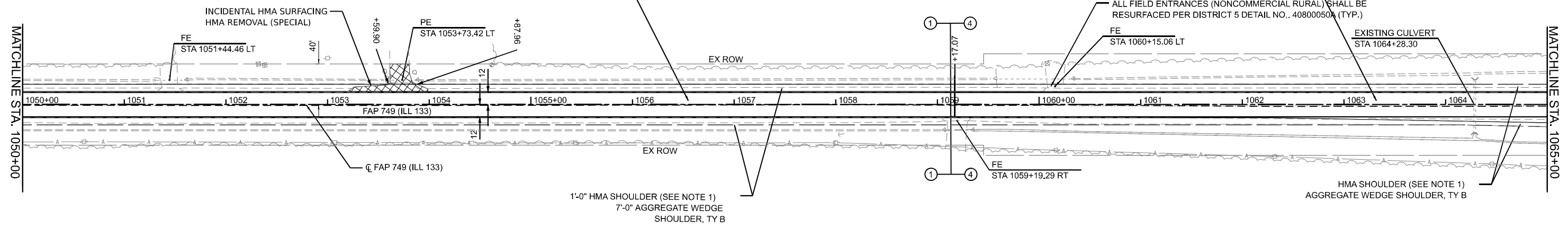
FPI ILLINOIS II LLC



JONES KELLY

VEACH WESLEY A & PEGGY S

POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "C", N70, 168 LBS/SQ YD
POLYMERIZED HMA BINDER COURSE, IL-9.5FG, N70, 140 LBS/SQ YD
HMA SURFACE REMOVAL, 2 1/4"
COLD IN-PLACE RECYCLING, 4.0"

POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "C", N70, 168 LBS/SQ YD
POLYMERIZED HMA BINDER COURSE, IL-9.5FG, N70, 140 LBS/SQ YD
HMA SURFACE REMOVAL, 2 1/4"
COLD IN-PLACE RECYCLING, 4.0"

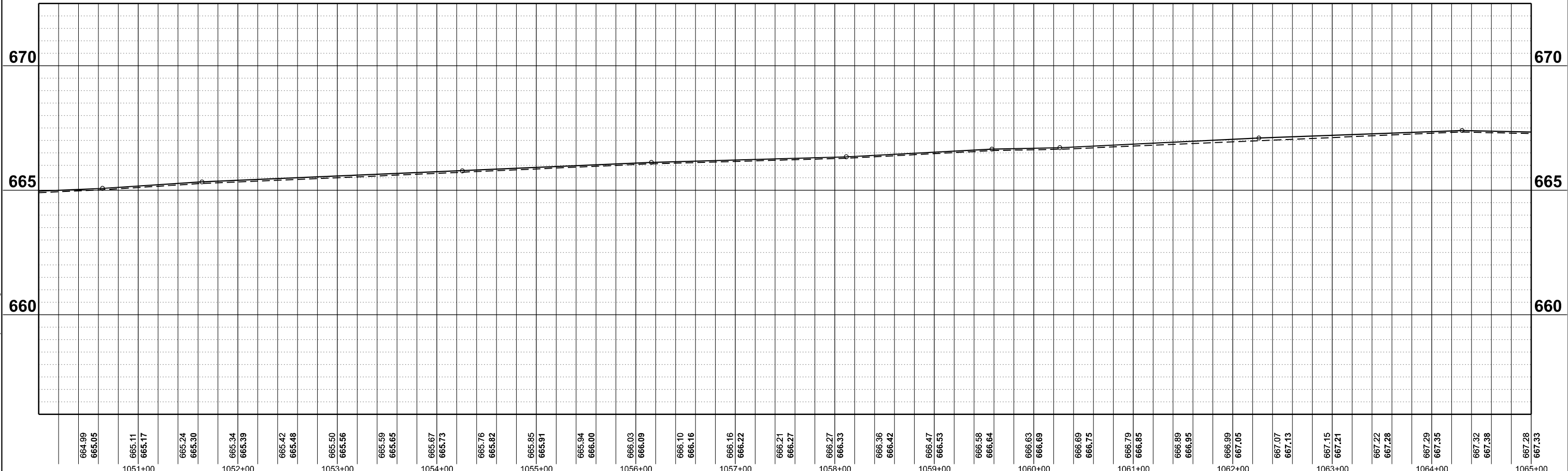


-  INCIDENTAL HMA SURFACE
-  HMA SURFACE REMOVAL-BUTT JOINT

KESKE RUSSELL D JR

SEC 23, T14N, R14W, 2ND P.M.

NOTES:
1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



664.99	665.05	665.11	665.17	665.24	665.30	665.34	665.39	665.42	665.48	665.50	665.56	665.59	665.65	665.67	665.73	665.76	665.82	665.85	665.91	665.94	666.00	666.03	666.09	666.10	666.16	666.16	666.22	666.21	666.27	666.27	666.33	666.36	666.42	666.47	666.53	666.58	666.64	666.63	666.69	666.69	666.75	666.79	666.85	666.89	666.95	666.99	667.05	667.07	667.13	667.15	667.21	667.22	667.28	667.29	667.35	667.32	667.38	667.28	667.33
1051+00		1052+00		1053+00		1054+00		1055+00		1056+00		1057+00		1058+00		1059+00		1060+00		1061+00		1062+00		1063+00		1064+00		1065+00																															

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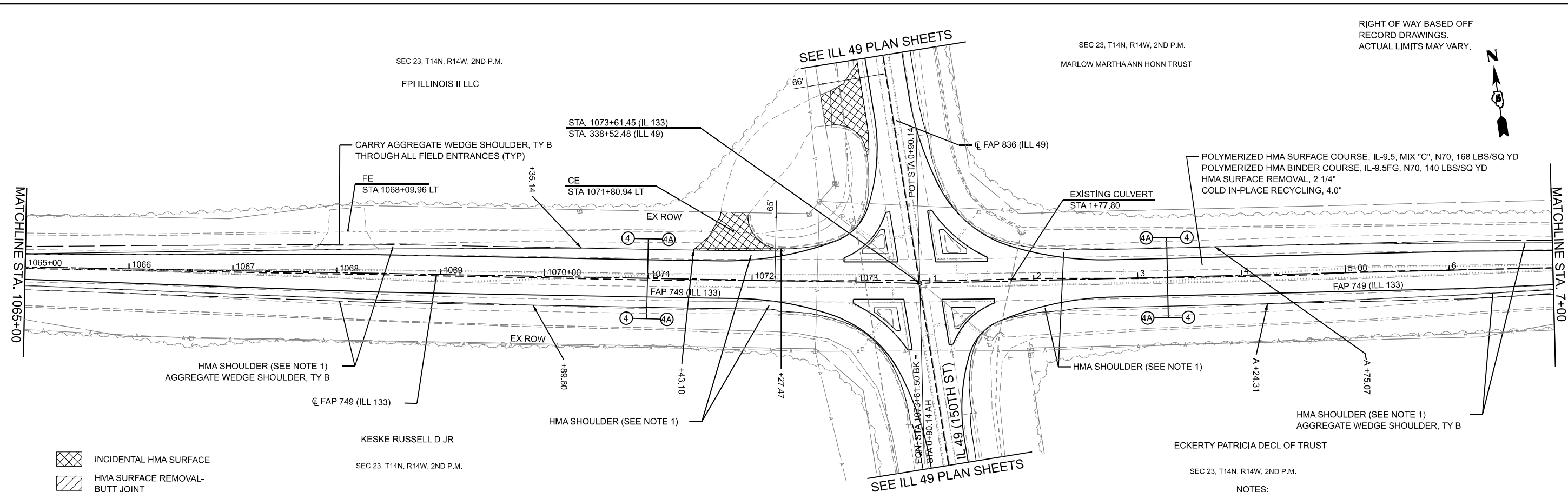
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PLOT DATE = 3/21/2024	CHECKED - JWD	REVISED -
	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL 133	
PLAN & PROFILE	
SCALE: 1"=50'	SHEET 5 OF 51 SHEETS
STA. 1050+00	TO STA. 1065+00

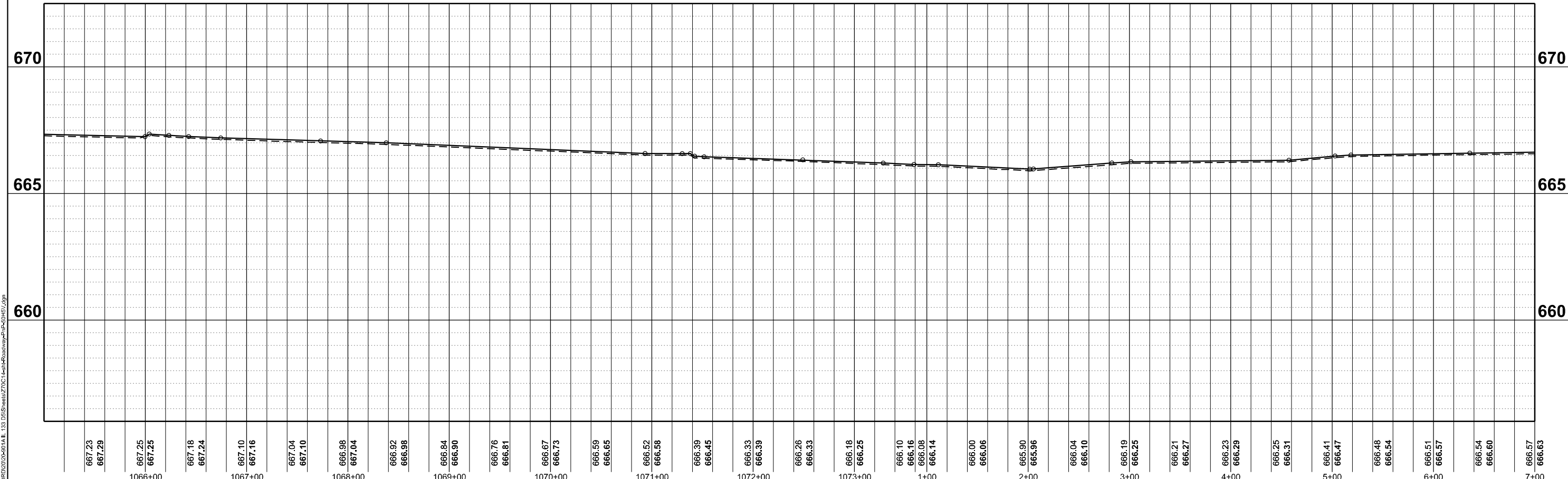
F.A.P. RTE. 749	SECTION (14)RS-3(122)RS-4,(14)CR	COUNTY EDGAR	TOTAL SHEETS 157	SHEET NO. 48
CONTRACT NO. 70C14			ILLINOIS FED. AID PROJECT STP-RURAL-1W5(692)	

RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.



- INCIDENTAL HMA SURFACE
- HMA SURFACE REMOVAL- BUTT JOINT

NOTES:
1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



667.23	667.29	667.25	667.25	667.18	667.24	667.10	667.16	667.04	667.10	666.98	667.04	666.92	666.98	666.84	666.90	666.76	666.81	666.67	666.73	666.59	666.65	666.52	666.58	666.39	666.45	666.33	666.39	666.26	666.33	666.18	666.25	666.10	666.16	666.08	666.14	666.00	666.06	665.90	665.96	666.04	666.10	666.19	666.25	666.21	666.27	666.23	666.29	666.25	666.31	666.41	666.47	666.48	666.54	666.51	666.57	666.54	666.60	666.57	666.63
1066+00				1067+00						1068+00				1069+00					1070+00				1071+00				1072+00				1073+00			1+00				2+00				3+00				4+00				5+00				6+00				7+00	

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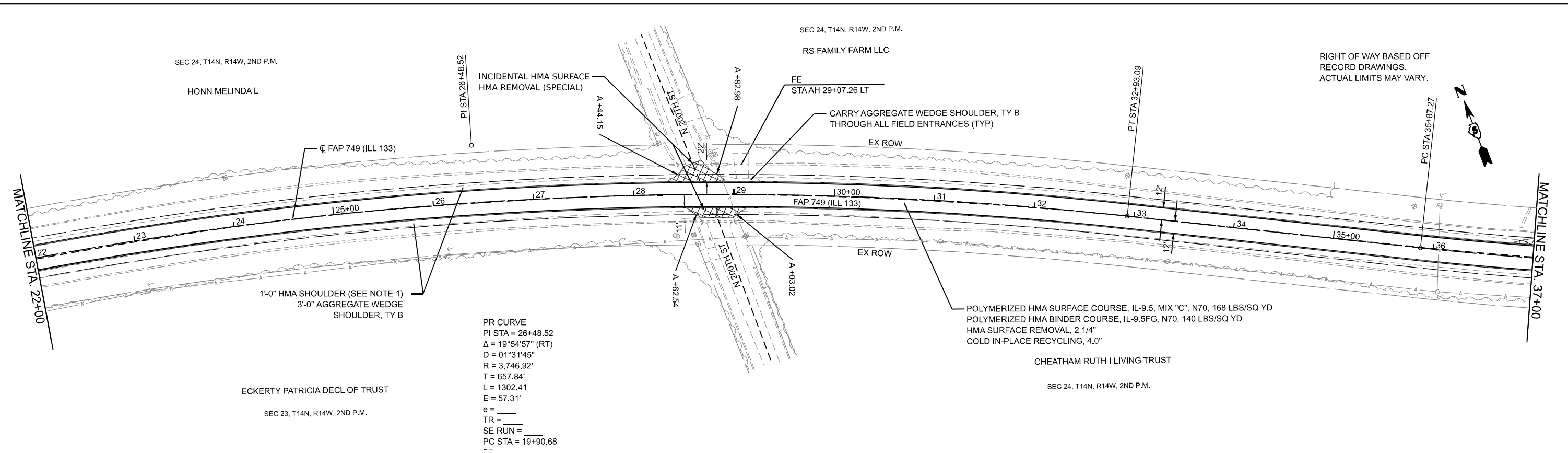
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PLOT DATE = 3/21/2024	CHECKED - JWD	REVISED -
	DATE - 03/21/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

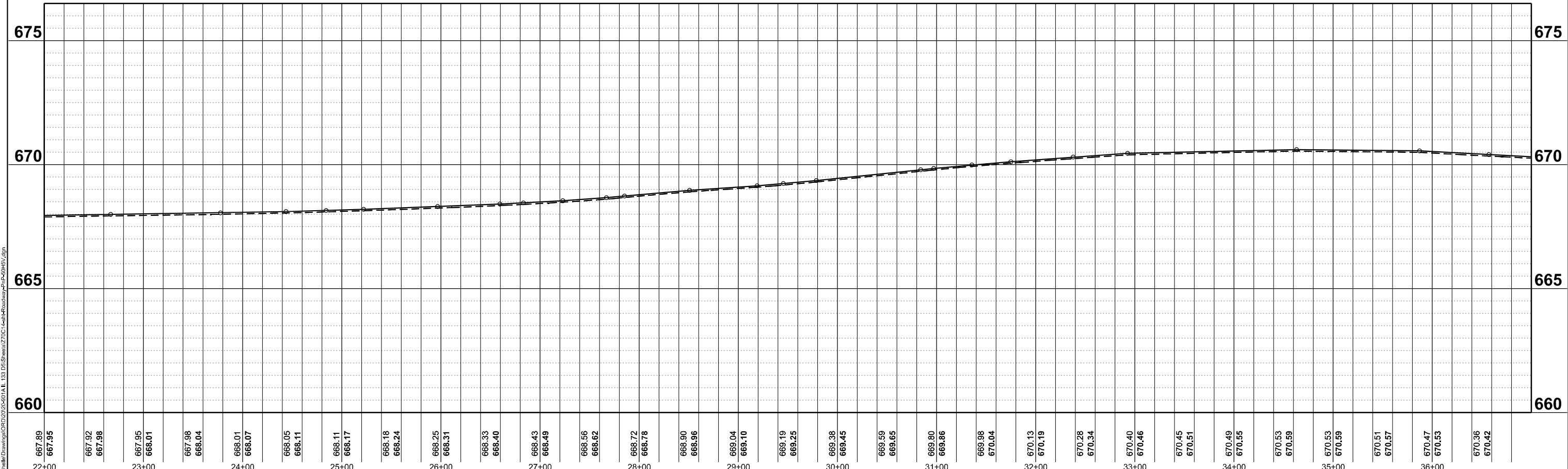
**ILL 133
PLAN & PROFILE**

SCALE: 1"=50' SHEET 6 OF 51 SHEETS STA. 1065+00 TO STA. 7+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	49
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IL-5(692)				



NOTES:
1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



FEHR GRAHAM ENGINEERING & ENVIRONMENTAL 1100 S. ROCKFORD AVE. SUITE 100 ROCKFORD, IL 61101 TEL: 815-398-3333 WWW.FEHRGRAHAM.COM	USER NAME = rhammon, burroughs PLOT SCALE = 0.16660000' / in. PLOT DATE = 5/6/2024	DESIGNED - RAB DRAWN - MCE CHECKED - JWD DATE - 03/21/2024	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ILL 133 PLAN & PROFILE	SCALE: 1"=50' SHEET 8 OF 51 SHEETS STA. 22+00 TO STA. 37+00	SECTION (14)RS-3(122)RS-4,(14CR) COUNTY EDGAR TOTAL SHEETS 157 SHEET NO. 51	CONTRACT NO. 70C14 ILLINOIS FED. AID PROJECT STP-RURAL-1W5(692)
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SEC 24, T14N, R14W, 2ND P.M.

CHEATHAM RUTH I LIVING TRUST

SEC 24, T14N, R14W, 2ND P.M.

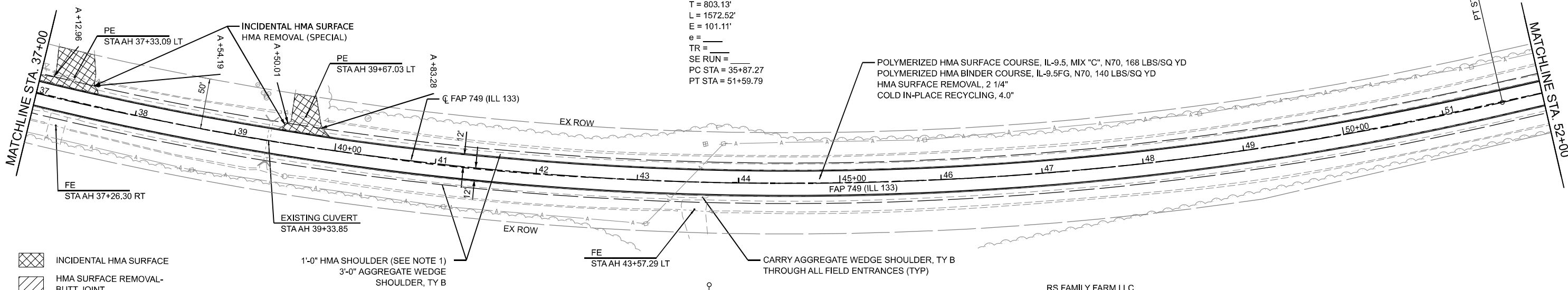
RS FAMILY FARM LLC

RIGHT OF WAY BASED OFF RECORD DRAWINGS. ACTUAL LIMITS MAY VARY.



PR CURVE
PI STA = 43+90.39
 $\Delta = 28^\circ 42' 04''$ (LT)
 $D = 01^\circ 49' 31''$
 $R = 3,139.21'$
 $T = 803.13'$
 $L = 1572.52'$
 $E = 101.11'$
 $e =$
 $TR =$
 $SE RUN =$
PC STA = 35+87.27
PT STA = 51+59.79

POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "C", N70, 168 LBS/SQ YD
POLYMERIZED HMA BINDER COURSE, IL-9.5FG, N70, 140 LBS/SQ YD
HMA SURFACE REMOVAL, 2 1/4"
COLD IN-PLACE RECYCLING, 4.0"



- INCIDENTAL HMA SURFACE
- HMA SURFACE REMOVAL- BUTT JOINT

1'-0" HMA SHOULDER (SEE NOTE 1)
3'-0" AGGREGATE WEDGE SHOULDER, TY B

CARRY AGGREGATE WEDGE SHOULDER, TY B THROUGH ALL FIELD ENTRANCES (TYP)

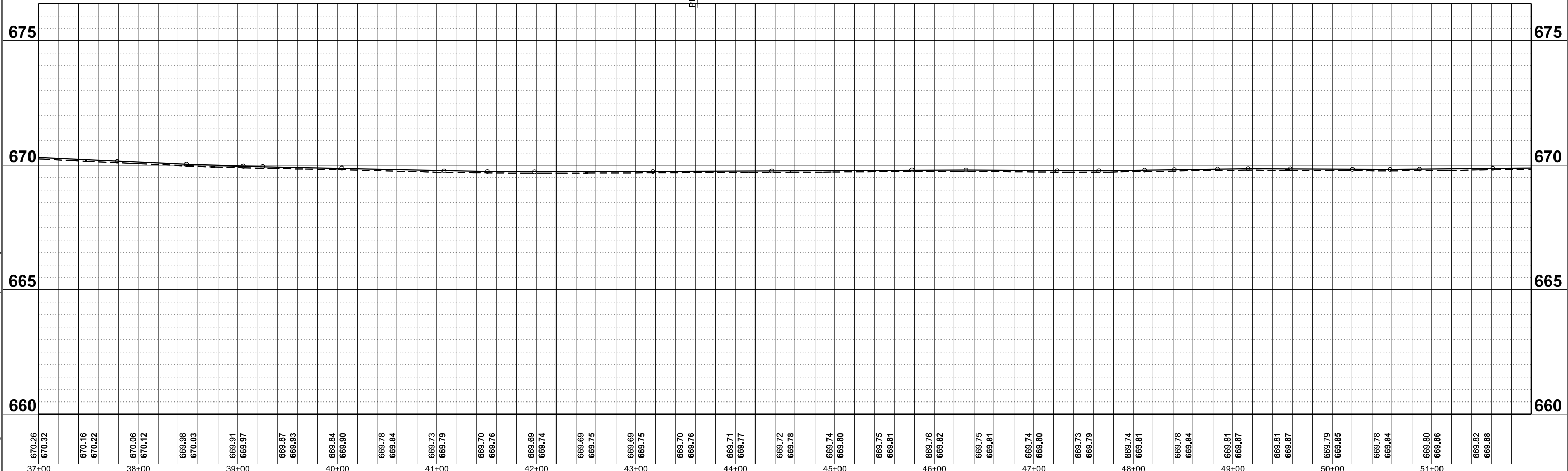
CHEATHAM RUTH I LIVING TRUST

SEC 24, T14N, R14W, 2ND P.M.

RS FAMILY FARM LLC

SEC 24, T14N, R14W, 2ND P.M.

NOTES:
1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



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ENGINEERING & ENVIRONMENTAL
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ROCKFORD, IL 61101
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USER NAME = rhammon, burroughs	DESIGNED - RAB	REVISED -
PLOT SCALE = 0.16660000' / in.	DRAWN - MCE	REVISED -
PLATE DATE = 5/6/2024	CHECKED - JWD	REVISED -
	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL 133
PLAN & PROFILE
SCALE: 1"=50'
SHEET 9 OF 51 SHEETS
STA. 37+00 TO STA. 52+00

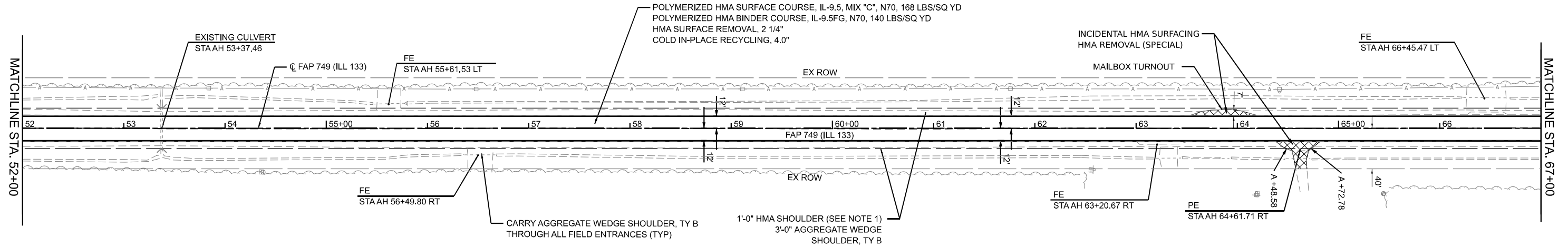
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	52
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IL-5(692)				

MODEL: ILL133_C1-1_Plan & Profile.dwg
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SEC 24, T14N, R14W, 2ND P.M.

ROSE OF SHARON FARM INC

RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.



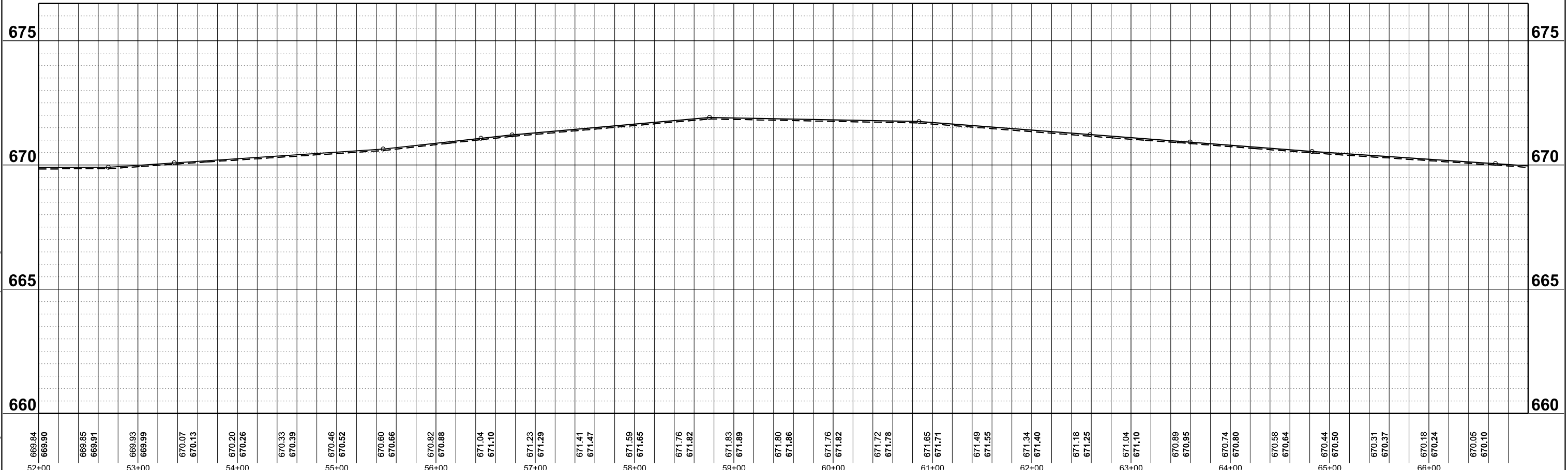
- INCIDENTAL HMA SURFACE
- HMA SURFACE REMOVAL- BUTT JOINT

ROSE OF SHARON FARM INC

SEC 25, T14N, R14W, 2ND P.M.

FOLTZ BRUCE A

NOTES:
1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



669.84 52+00	669.90	669.85 669.91	669.93 669.99	670.07 670.13	670.20 670.26	670.33 670.39	670.46 670.52	670.60 670.66	670.82 670.88	671.04 671.10	671.23 671.29	671.41 671.47	671.59 671.65	671.76 671.82	671.83 671.89	671.80 671.86	671.76 671.82	671.72 671.78	671.65 671.71	671.49 671.55	671.34 671.40	671.18 671.25	671.04 671.10	670.89 670.95	670.74 670.80	670.58 670.64	670.44 670.50	670.31 670.37	670.18 670.24	670.05 670.10
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FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL
1100 S. ROCKFORD AVENUE, SUITE 200
ROCKFORD, IL 61101
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USER NAME = rhammon, burroughs	DESIGNED - RAB	REVISED
DRAWN - MCE	REVISOR -	
PLOT SCALE = 0.16660000' / in.	CHECKED - JWD	REVISOR -
PLOT DATE = 5/6/2024	DATE - 03/21/2024	REVISOR -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

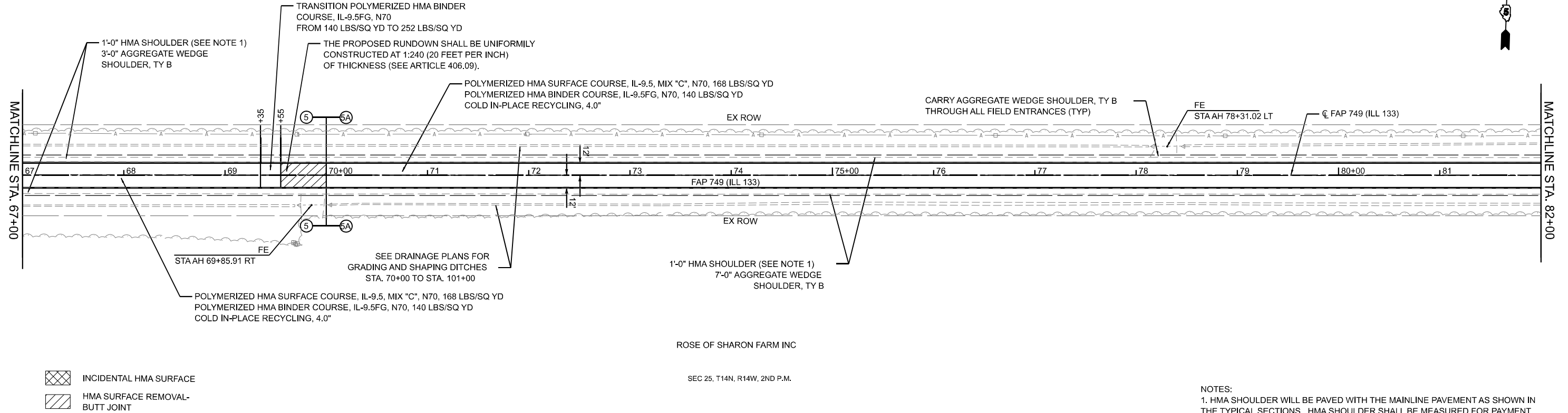
ILL 133	
PLAN & PROFILE	
SCALE: 1"=50'	SHEET 10 OF 51 SHEETS
STA. 52+00	TO STA. 67+00

F.A.P. RTE. 749	SECTION (14)RS-3(122)RS-1,(14)CR	COUNTY EDGAR	TOTAL SHEETS 157	SHEET NO. 53
CONTRACT NO. 70C14			ILLINOIS FED. AID PROJECT STP-RURAL-1W5(692)	

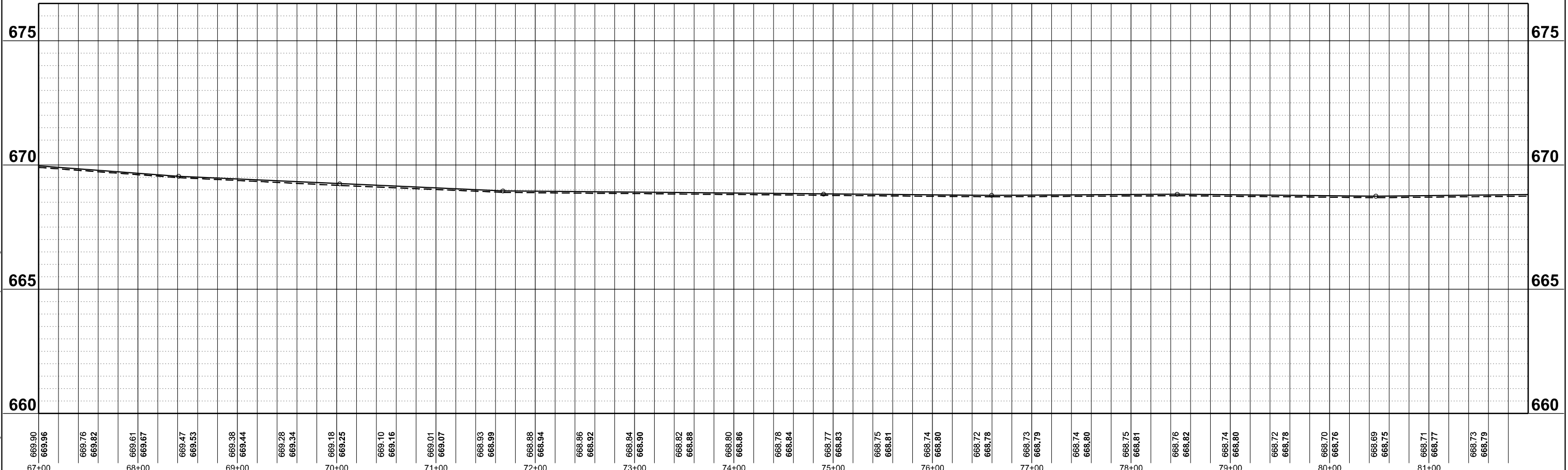
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 PLOT DATE: 5/6/2024

SEC 24, T14N, R14W, 2ND P.M.
ROSE OF SHARON FARM INC

RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.



NOTES:
1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



MODEL ILL133_C1-1_P11.dwg
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DATE: 5/6/2024

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL
1100 S. MONROE ST. SUITE 100
CHICAGO, IL 60605
TEL: (312) 420-0800
WWW.FEHRGRAHAM.COM

USER NAME = rhamon.burroughs	DESIGNED - RAB	REVISED
DRAWN - MCE	REVISOR	
PLOT SCALE = 0.16660000' / 1"	CHECKED - JWD	REVISOR
PLOT DATE = 5/6/2024	DATE - 03/21/2024	REVISOR

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILL 133
PLAN & PROFILE**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	54
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				

SCALE: 1"=50' SHEET 11 OF 51 SHEETS STA. 67+00 TO STA. 82+00

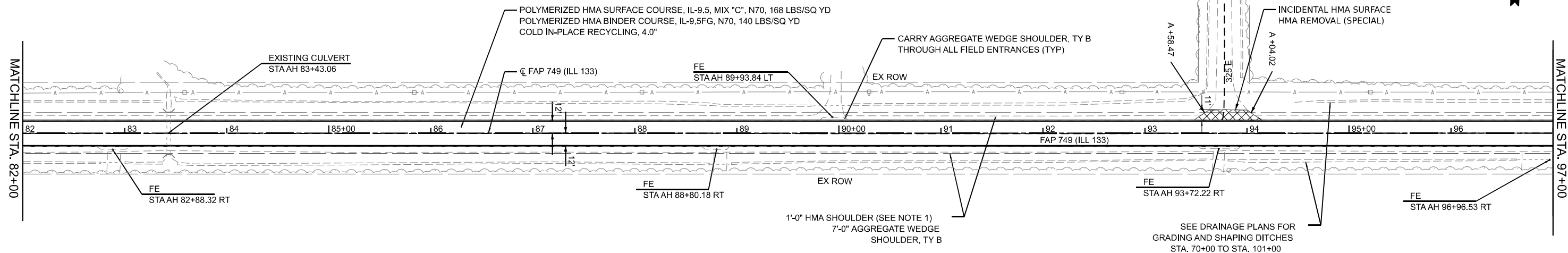
SEC 24, T14N, R14W, 2ND P.M.

ROSE OF SHARON FARM INC

SEC 19, T14N, R13W, 2ND P.M.

8448 INC

RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.



CARWELL TWILLA L TTEE

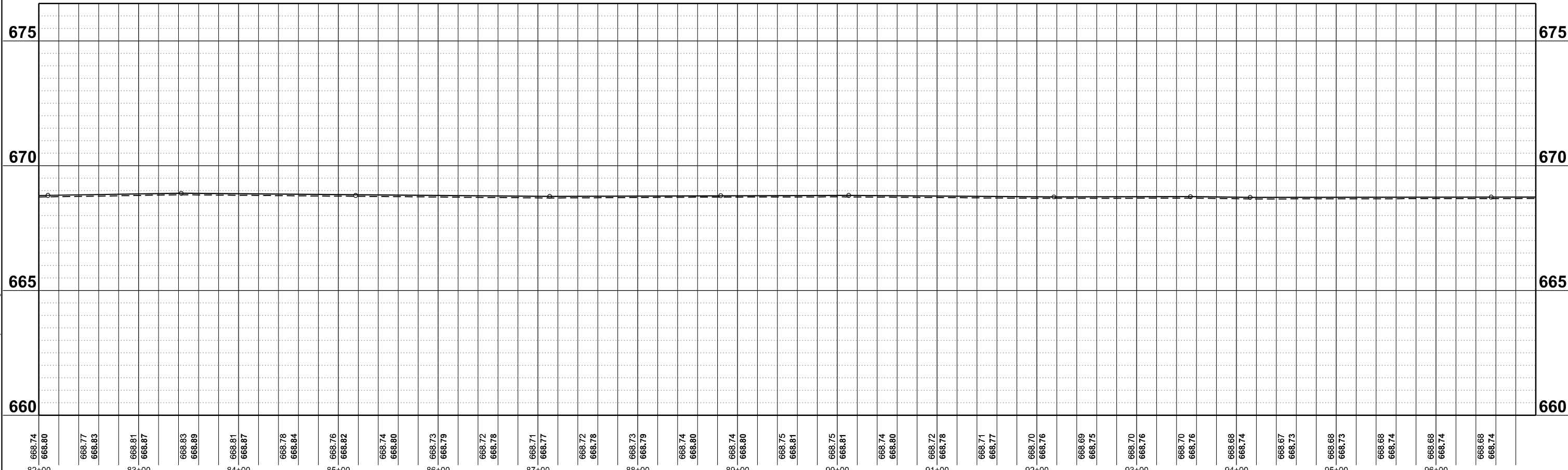
SEC 25, T14N, R14W, 2ND P.M.

8448 INC

SEC 30, T14N, R13W, 2ND P.M.

- INCIDENTAL HMA SURFACE
- HMA SURFACE REMOVAL- BUTT JOINT

NOTES:
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11005 DECATUR HWY. #100 - DECATUR, IL 62521
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USER NAME = jason.dove	DESIGNED - RAB	REVISED -
PLOT SCALE = 0.16660000' / in.	DRAWN - MCE	REVISED -
PLOT DATE = 3/21/2024	CHECKED - JWD	REVISED -
	DATE - 03/21/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILL 133
PLAN & PROFILE**
SCALE: 1"=50' SHEET 12 OF 51 SHEETS STA. 990+00 TO STA. 1005+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	55
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-1W5(692)				

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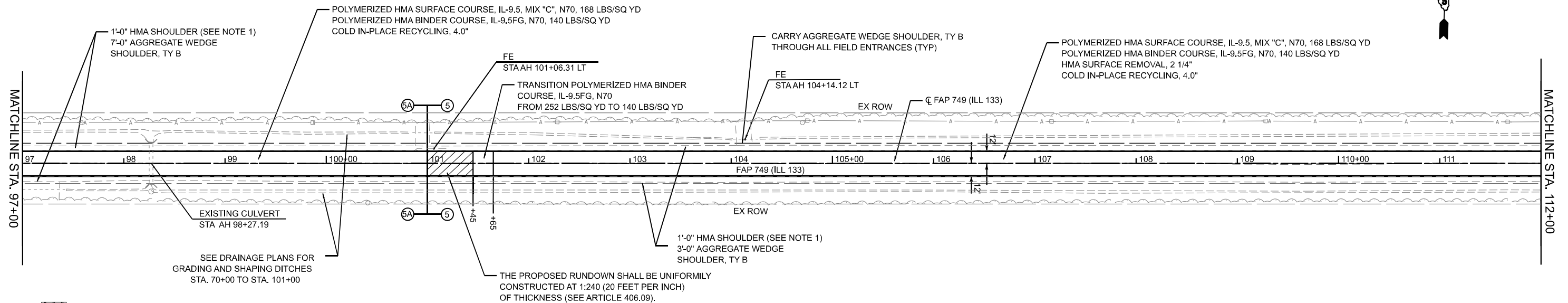
SEC 19, T14N, R13W, 2ND P.M.

KESKE JOSHUA J

SEC 19, T14N, R13W, 2ND P.M.

BOWER MILFREIDA JARED

RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.



- INCIDENTAL HMA SURFACE
- HMA SURFACE REMOVAL- BUTT JOINT

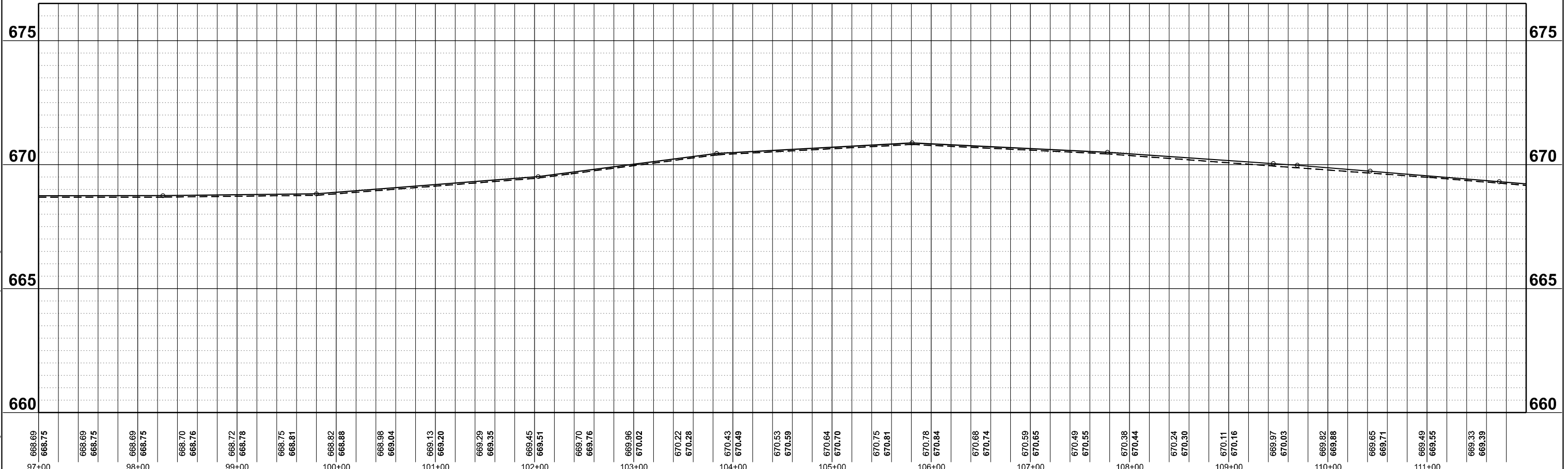
BIEBER EMILY ET AL

SEC 30, T14N, R13W, 2ND P.M.

MCGINNESS THOMAS R

SEC 30, T14N, R13W, 2ND P.M.

NOTES:
1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



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FEHR GRAHAM
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ILLINOIS DESIGN FIRM NO. 181-003325
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USER NAME = rhamon.burroughs	DESIGNED - RAB	REVISED
	DRAWN - MCE	REVISED -
PLOT SCALE = 0.16666667 / in.	CHECKED - JWD	REVISED -
PLOT DATE = 5/6/2024	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1"=50'		SHEET 13	OF 51 SHEETS	STA. 97+00	TO STA. 1112+00
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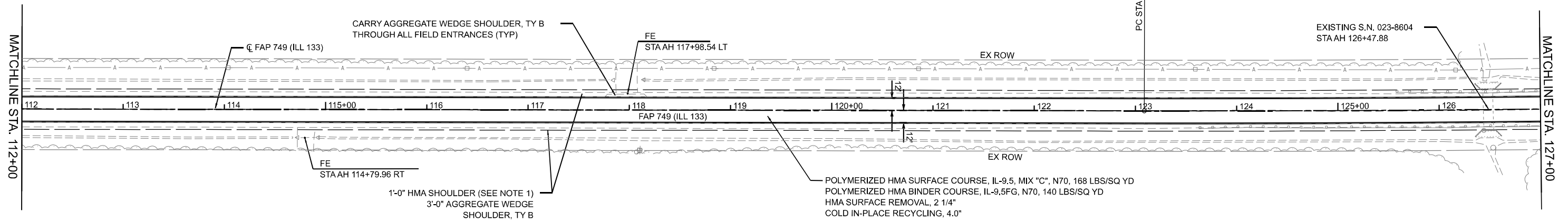
ILL 133
PLAN & PROFILE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-1,(14)CR	EDGAR	157	56
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-ILL5(692)				

SEC 19, T14N, R13W, 2ND P.M.

BOWER MILFREIDA JARED

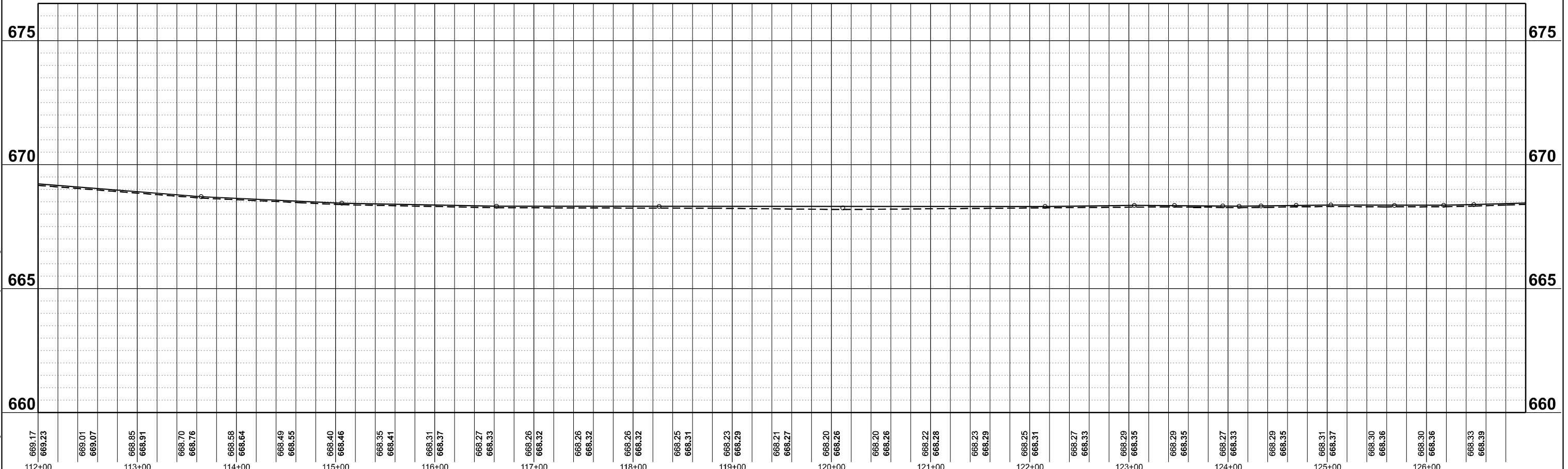
RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.



BISBY CAROLYN A

SEC 30, T14N, R13W, 2ND P.M.

NOTES:
 1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



669.17	669.23	669.01	669.07	668.85	668.91	668.70	668.76	668.58	668.64	668.49	668.55	668.40	668.46	668.35	668.41	668.31	668.37	668.27	668.33	668.26	668.32	668.26	668.32	668.25	668.31	668.23	668.29	668.21	668.27	668.20	668.26	668.20	668.26	668.22	668.28	668.23	668.29	668.25	668.31	668.27	668.33	668.29	668.35	668.29	668.35	668.27	668.33	668.29	668.35	668.31	668.37	668.30	668.36	668.30	668.36	668.33	668.39
112+00				113+00				114+00				115+00				116+00				117+00				118+00				119+00				120+00				121+00				122+00				123+00				124+00				125+00				126+00	

<p>ENGINEERING & ENVIRONMENTAL ILLINOIS DESIGN FIRM NO. 181-003325 © 2024 FEHR GRAHAM</p>	USER NAME = rhammon, burroughs PLOT SCALE = 0.16660000' / in. PLOT DATE = 5/6/2024	DESIGNED - RAB DRAWN - MCE CHECKED - JWD DATE - 03/21/2024	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ILL 133 PLAN & PROFILE	SCALE: 1"=50' SHEET 14 OF 51 SHEETS STA. 112+00 TO STA. 127+00	SECTION (14)RS-3(122)RS-4,(14)CR COUNTY EDGAR CONTRACT NO. 70C14	TOTAL SHEETS 157 SHEET NO. 57	ILLINOIS FED. AID PROJECT STP-RURAL-1W5(692)
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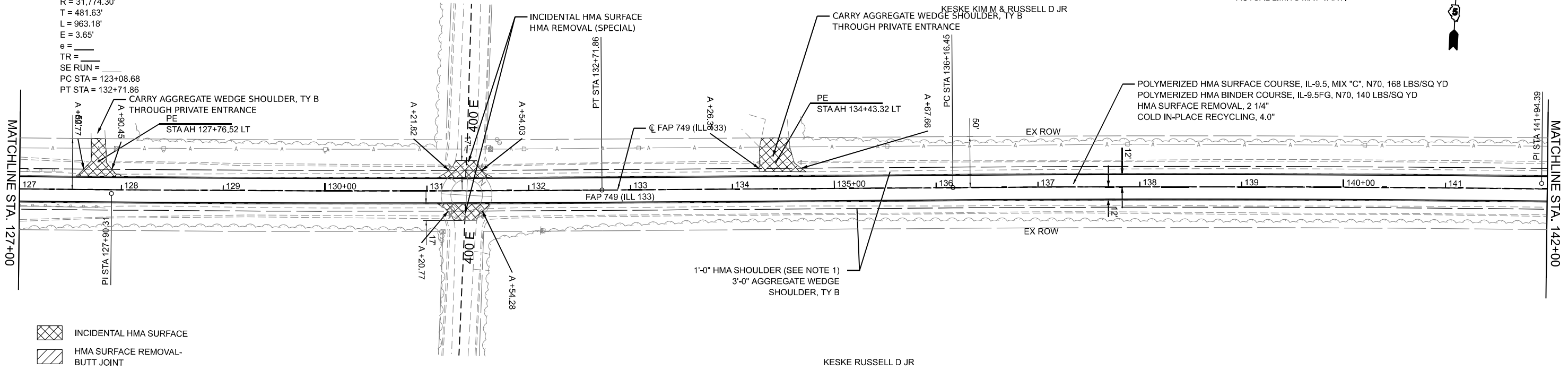
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PR CURVE
 PI STA = 127+90.31
 $\Delta = 01^{\circ}44'13''$ (LT)
 $D = 00^{\circ}10'49''$
 $R = 31,774.30'$
 $T = 481.63'$
 $L = 963.18'$
 $E = 3.65'$
 $e =$
 $TR =$
 $SE RUN =$
 $PC STA = 123+08.68$
 $PT STA = 132+71.86$

SEC 19, T14N, R13W, 2ND P.M.
 BOWER MILFREIDA JARED

SEC 20, T14N, R13W, 2ND P.M.

RIGHT OF WAY BASED OFF
 RECORD DRAWINGS.
 ACTUAL LIMITS MAY VARY.

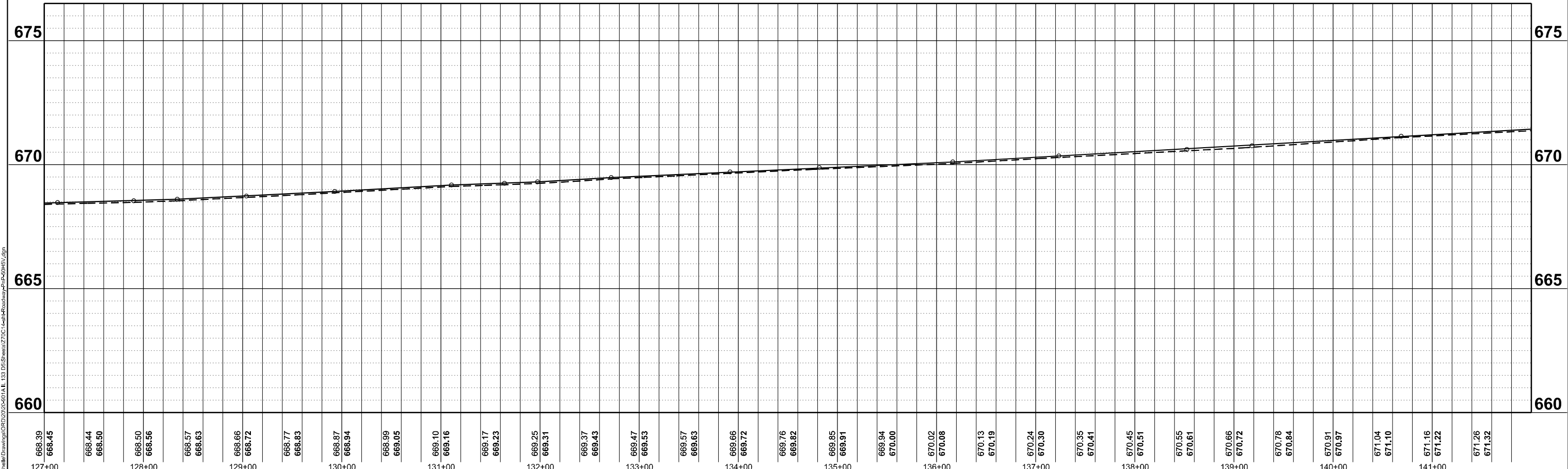


- INCIDENTAL HMA SURFACE
- HMA SURFACE REMOVAL- BUTT JOINT

BISBY CAROLYN A
 SEC 30, T14N, R13W, 2ND P.M.

KESKE RUSSELL D JR
 SEC 29, T14N, R13W, 2ND P.M.

NOTES:
 1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



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 ROCKFORD, ILLINOIS 61102
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USER NAME = rhammon, burroughs	DESIGNED - RAB	REVISED
PLOT SCALE = 0.16660000' / in.	DRAWN - MCE	REVISED -
PLOT DATE = 5/6/2024	CHECKED - JWD	REVISED -
	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ILL 133
 PLAN & PROFILE
 SCALE: 1"=50'
 SHEET 15 OF 51 SHEETS
 STA. 127+00 TO STA. 142+00

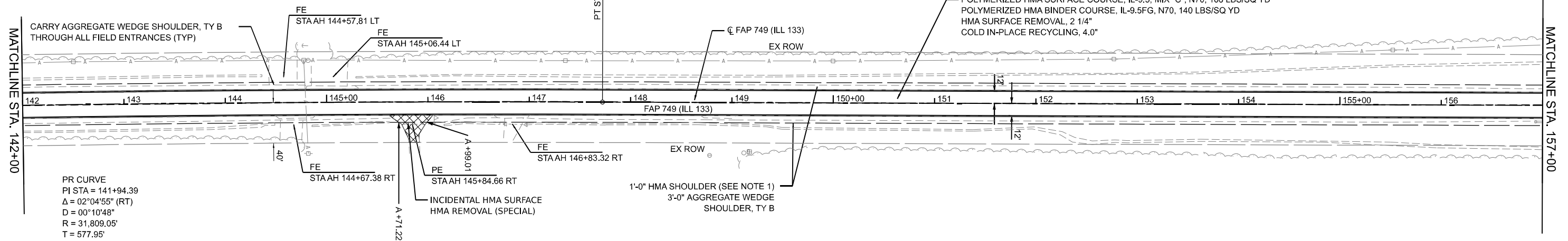
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	58
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-1W-5(692)				

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 PLOT DATE: 5/6/2024

RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.



SEC 20, T14N, R13W, 2ND P.M.
LONGVIEW BANK & TRUST

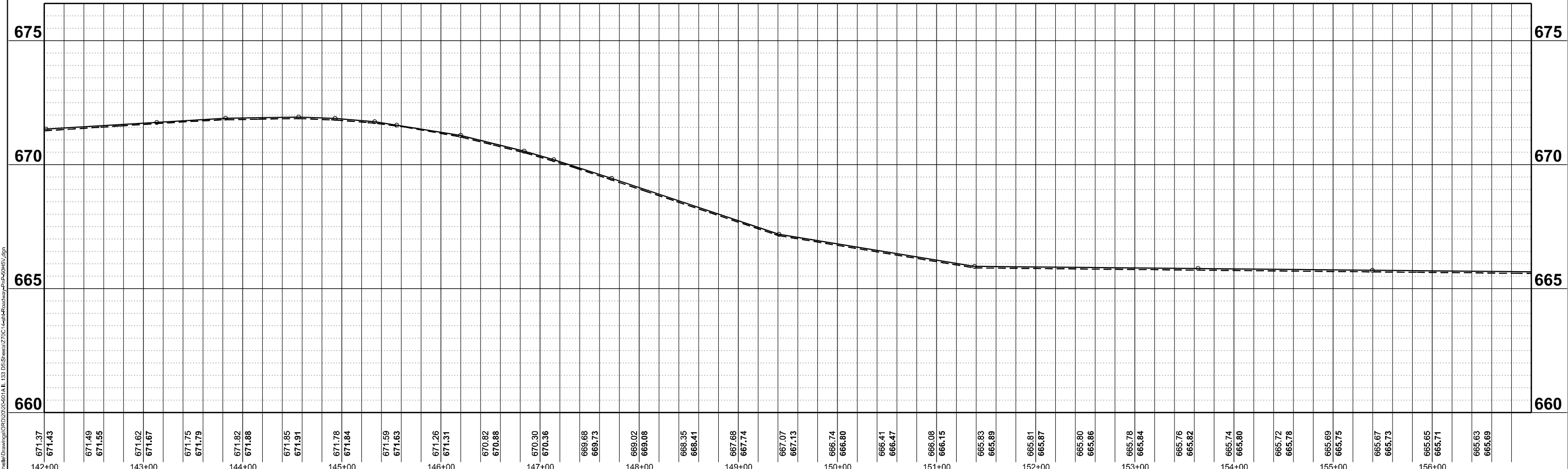


PR CURVE
PI STA = 141+94.39
 $\Delta = 02^{\circ}04'55''$ (RT)
 $D = 00^{\circ}10'48''$
 $R = 31,809.05'$
 $T = 577.95'$
 $L = 1155.77'$
 $E = 5.25'$
 $e =$
TR =
SE RUN =
PC STA = 136+16.45
PT STA = 147+72.21

INCIDENTAL HMA SURFACE
 HMA SURFACE REMOVAL- BUTT JOINT

KESKE RUSSELL D JR
SEC 29, T14N, R13W, 2ND P.M.

NOTES:
1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



671.37	671.43	671.49	671.55	671.62	671.67	671.75	671.79	671.82	671.88	671.85	671.91	671.78	671.84	671.59	671.63	671.26	671.31	670.82	670.88	670.30	670.36	669.68	669.73	669.02	669.08	668.35	668.41	667.68	667.74	667.07	667.13	666.74	666.80	666.41	666.47	666.08	666.15	665.83	665.89	665.81	665.87	665.80	665.86	665.78	665.84	665.76	665.82	665.74	665.80	665.72	665.78	665.69	665.75	665.67	665.73	665.65	665.71	665.63	665.69
142+00				143+00				144+00				145+00				146+00				147+00				148+00				149+00				150+00				151+00				152+00				153+00				154+00				155+00				156+00			

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USER NAME = rhammon, burroughs	DESIGNED - RAB	REVISED
	DRAWN - MCE	REVISED -
PLOT SCALE = 0.16660000' / in.	CHECKED - JWD	REVISED -
PLOT DATE = 5/6/2024	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL 133
PLAN & PROFILE
SCALE: 1"=50'
SHEET 16 OF 51 SHEETS
STA. 142+00 TO STA. 157+00

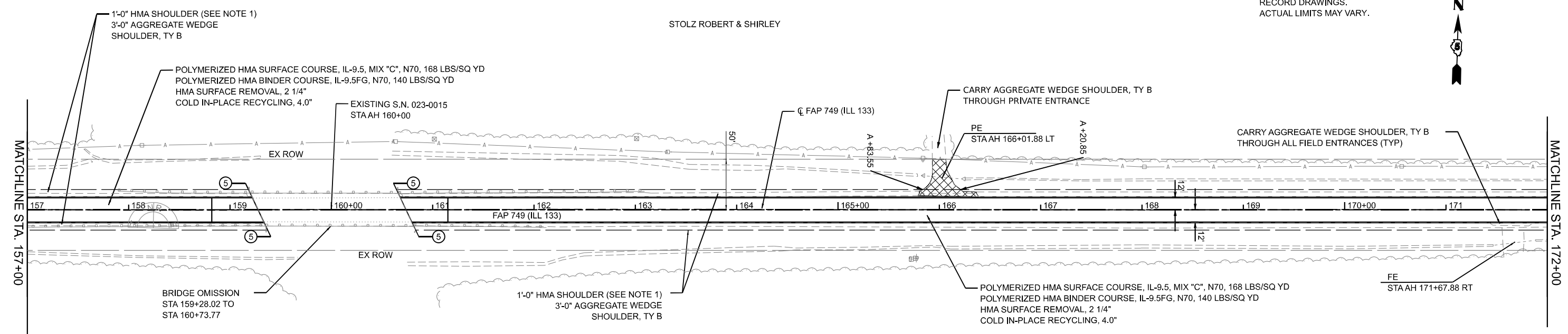
F.A.P. RTE. 749	SECTION (14)RS-3(122)RS-4,(14)CR	COUNTY EDGAR	TOTAL SHEETS 157	SHEET NO. 59
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-1W5(692)				

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SEC 20, T14N, R13W, 2ND P.M.

STOLZ ROBERT & SHIRLEY

RIGHT OF WAY BASED OFF RECORD DRAWINGS. ACTUAL LIMITS MAY VARY.



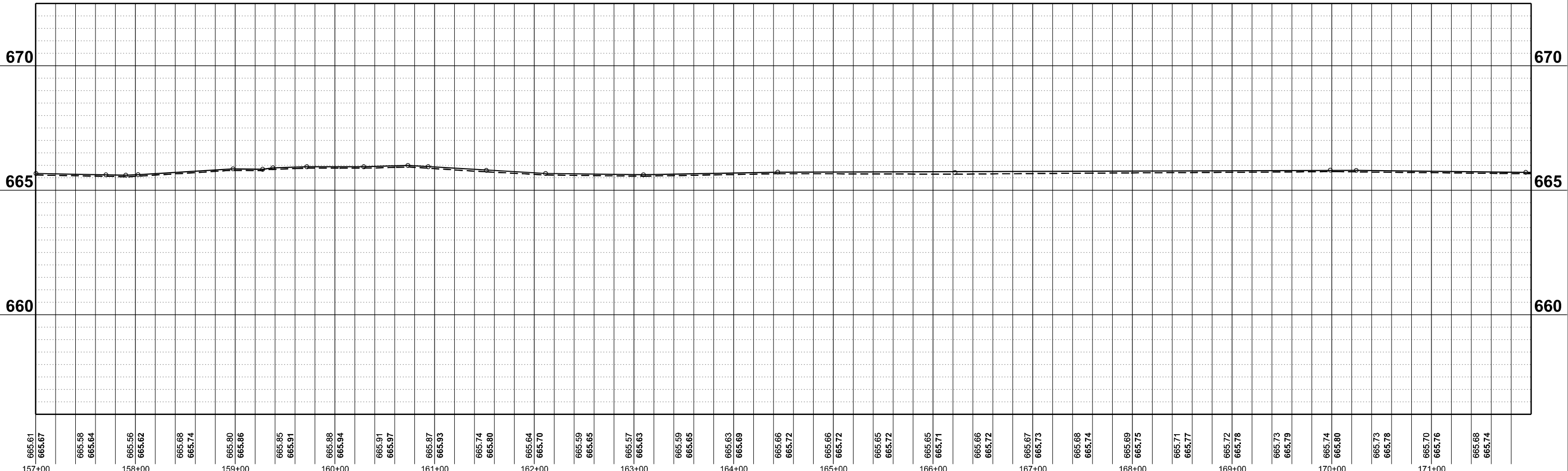
- INCIDENTAL HMA SURFACE
- HMA SURFACE REMOVAL - BUTT JOINT

KESKE RUSSELL D JR

SEC 29, T14N, R13W, 2ND P.M.

NOTES:
 1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.

MODEL: ILL133_C1-1_P1m_17 (Sheet)
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SEC 20, T14N, R13W, 2ND P.M.

STOLZ ROBERT & SHIRLEY

SEC 20, T14N, R13W, 2ND P.M.

RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.



POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "C", N70, 168 LBS/SQ YD
POLYMERIZED HMA BINDER COURSE, IL-9.5FG, N70, 140 LBS/SQ YD
HMA SURFACE REMOVAL, 2 1/4"
COLD IN-PLACE RECYCLING, 4.0"

CARRY AGGREGATE WEDGE SHOULDER, TY B
THROUGH ALL FIELD ENTRANCES (TYP)

HENN ANDREW R & LAHN M

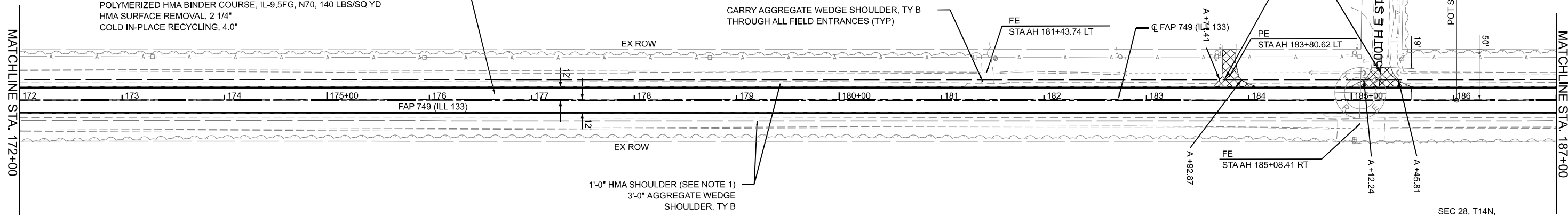
INCIDENTAL HMA SURFACE
HMA REMOVAL (SPECIAL)

SEC 21, T14N,
R13W, 2ND P.M.

SEC 28, T14N,
R13W, 2ND P.M.

MATCHLINE STA. 172+00

MATCHLINE STA. 187+00

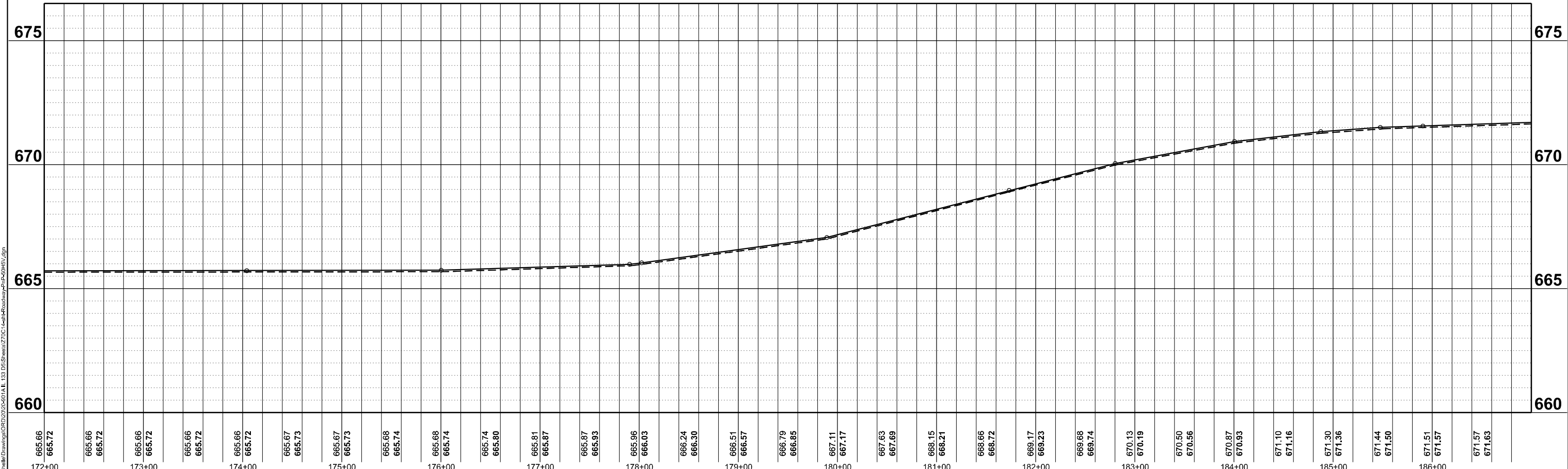


- INCIDENTAL HMA SURFACE
- HMA SURFACE REMOVAL-
BUTT JOINT

MERCER PROPERTY LLC

SEC 29, T14N, R13W, 2ND P.M.

NOTES:
1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



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LTD. 905 SOUTH FAY AVENUE, SUITE 100
CHICAGO, ILLINOIS 60605

USER NAME = rhammon, burroughs	DESIGNED - RAB	REVISED
PLOT SCALE = 0.16660000' / in.	DRAWN - MCE	REVISED -
PLOT DATE = 5/6/2024	CHECKED - JWD	REVISED -
	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL 133
PLAN & PROFILE
SCALE: 1"=50'
SHEET 18 OF 51 SHEETS
STA. 172+00 TO STA. 187+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	61
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				

MODEL: ILL133_C14_P18.rvt
FILE NAME: \\c:\work\projects\70C14\133_DS\Sheet2\2024\133_DS_Sheet2_P18.rvt

SEC 20, T14N, R13W, 2ND P.M.

HALLORAN LORA LYNN GREEN

RIGHT OF WAY BASED OFF RECORD DRAWINGS. ACTUAL LIMITS MAY VARY.



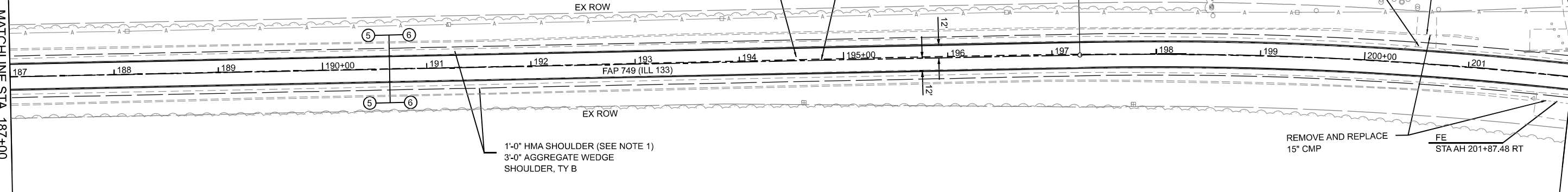
POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "C", N70, 168 LBS/SQ YD
POLYMERIZED HMA BINDER COURSE, IL-9.5FG, N70, 140 LBS/SQ YD
HMA SURFACE REMOVAL, 1 3/4"
COLD IN-PLACE RECYCLING, 4.0"

CARRY AGGREGATE WEDGE SHOULDER, TY B THROUGH ALL FIELD ENTRANCES (TYP)

FE STA AH 200+57.28 LT

MATCHLINE STA. 187+00



MATCHLINE STA. 202+00



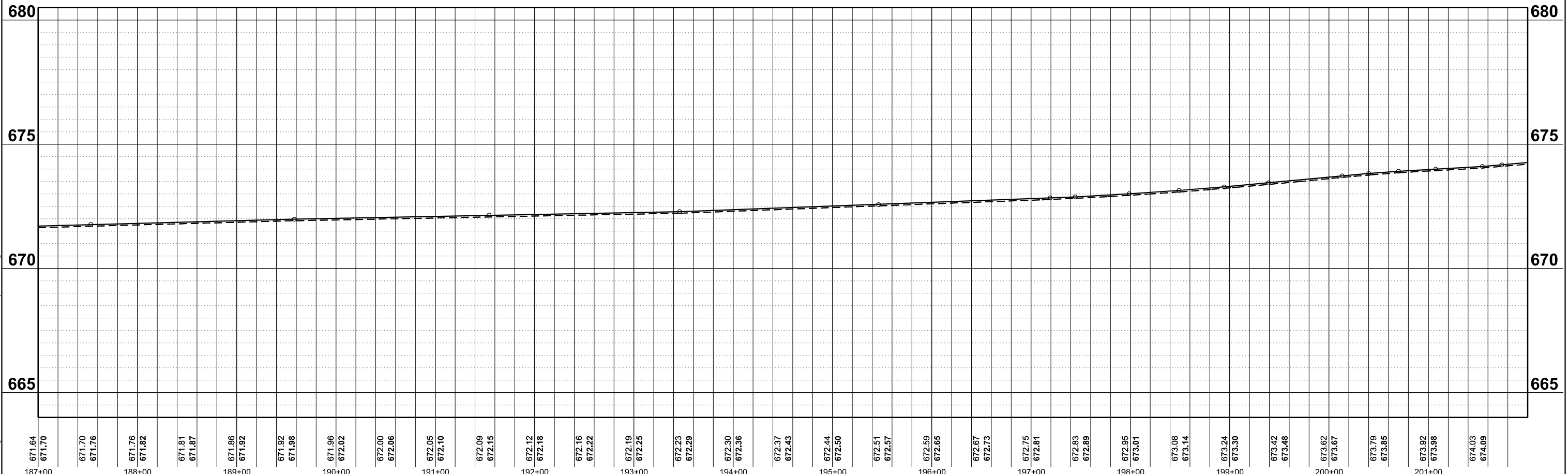
1'-0" HMA SHOULDER (SEE NOTE 1)
3'-0" AGGREGATE WEDGE SHOULDER, TY B

WOOD RODNEY A & HELEN MARIE

SEC 29, T14N, R13W, 2ND P.M.

-  INCIDENTAL HMA SURFACE
-  HMA SURFACE REMOVAL-BUTT JOINT

NOTES:
1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



MODEL: ILL133_C1-1_P1m_19 (Sheet)
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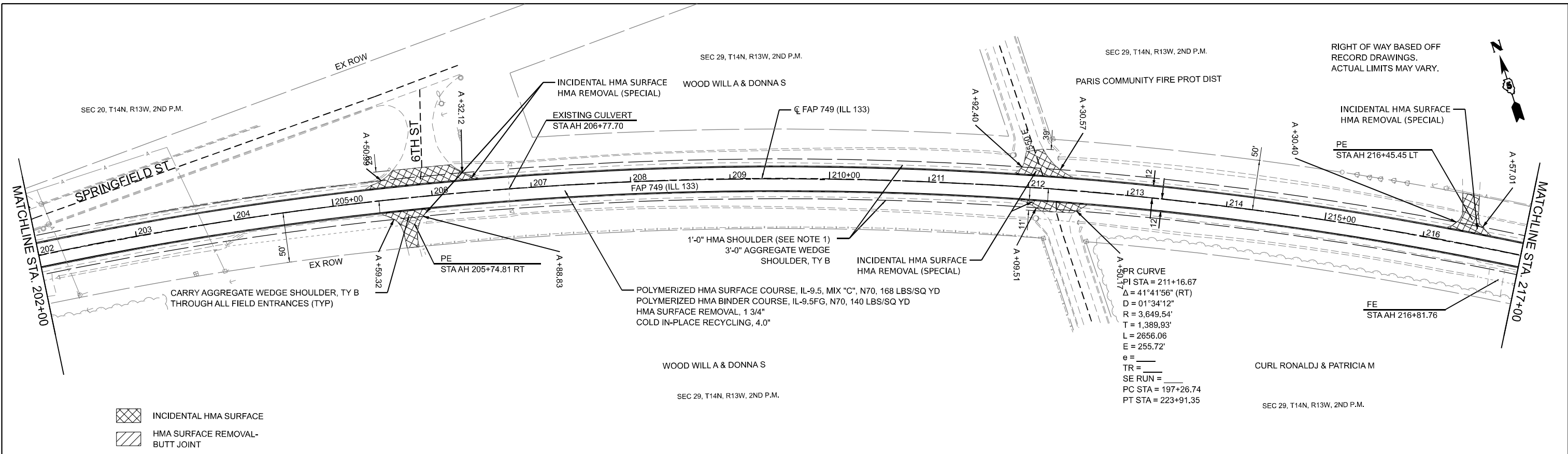
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LANSING DESIGN GROUP
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	DRAWN - MCE	REVISED -
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PLOT DATE = 5/6/2024	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL 133
PLAN & PROFILE
SCALE: 1"=50'
SHEET 19 OF 51 SHEETS
STA. 187+00 TO STA. 202+00

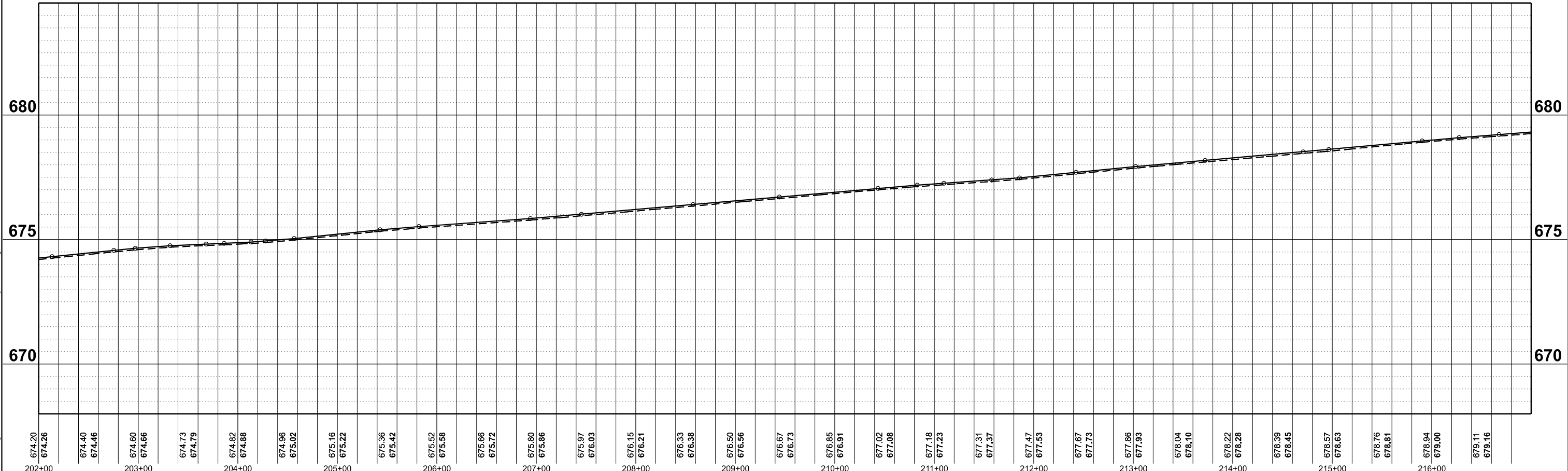
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	62
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-ILL5(692)				



INCIDENTAL HMA SURFACE
 HMA SURFACE REMOVAL-BUTT JOINT

VERTICAL CURVE
 PI STA = 211+16.67
 $\Delta = 41^{\circ}41'56''$ (RT)
 $D = 01^{\circ}34'12''$
 $R = 3,649.54'$
 $T = 1,389.93'$
 $L = 2656.06'$
 $E = 255.72'$
 $e =$
 $TR =$
 $SE RUN =$
 $PC STA = 197+26.74$
 $PT STA = 223+91.35$

NOTES:
 1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



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 CHICAGO, IL 60605

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PLOT DATE = 5/6/2024	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL 133
PLAN & PROFILE
 SCALE: 1"=50'
 SHEET 20 OF 51 SHEETS
 STA. 202+00 TO STA. 1005+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	63
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IL-5(692)				

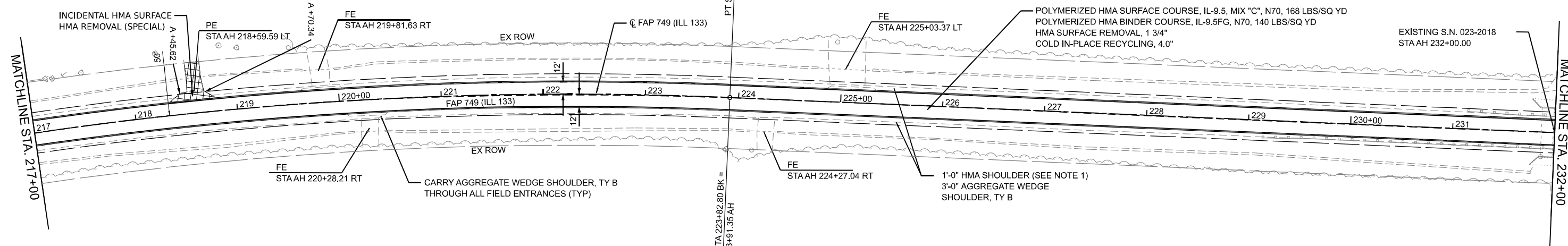
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SEC 29, T14N, R13W, 2ND P.M.

HARRIS GARY

KILE ROBERT ANTHONY & BROOKE M

RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.



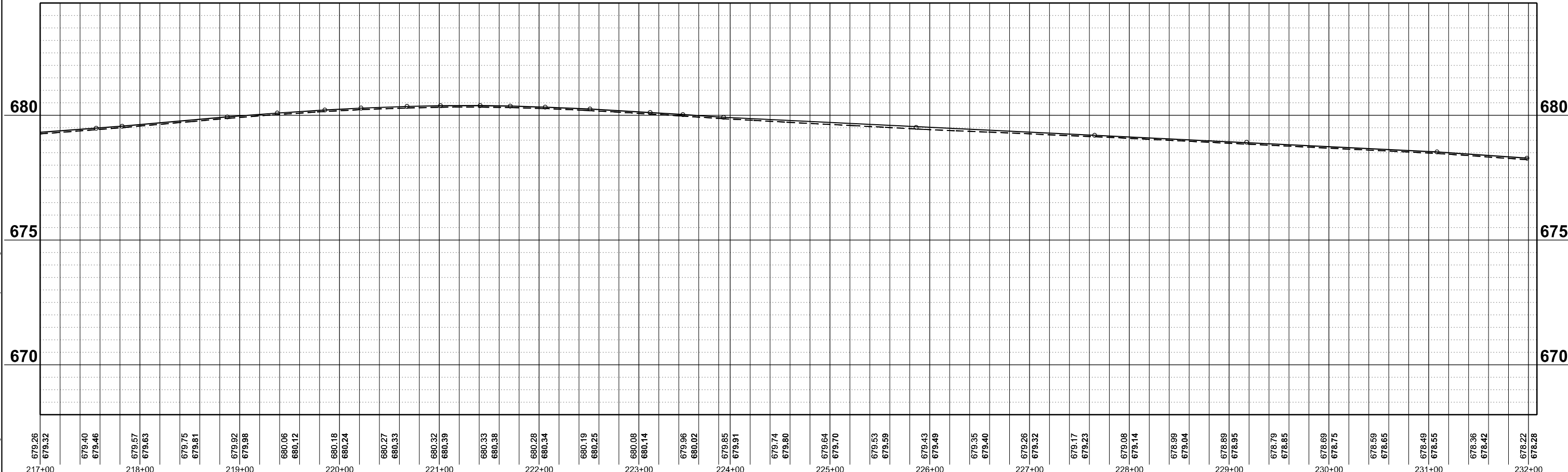
- INCIDENTAL HMA SURFACE
- HMA SURFACE REMOVAL- BUTT JOINT

CURL RONALDJ & PATRICIA M

GILBREATH TERRY D & JANE TTRS

SEC 29, T14N, R13W, 2ND P.M.

NOTES:
1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



679.26	679.32	679.40	679.46	679.57	679.63	679.75	679.81	679.92	679.98	680.06	680.12	680.18	680.24	680.27	680.33	680.32	680.39	680.33	680.38	680.28	680.34	680.19	680.25	680.08	680.14	679.96	680.02	679.85	679.91	679.74	679.80	679.64	679.70	679.53	679.59	679.43	679.49	679.35	679.40	679.26	679.32	679.17	679.23	679.08	679.14	678.99	679.04	678.89	678.95	678.79	678.85	678.69	678.75	678.59	678.65	678.49	678.55	678.36	678.42	678.22	678.28
217+00				218+00				219+00				220+00				221+00				222+00				223+00				224+00				225+00				226+00				227+00				228+00				229+00				230+00				231+00				232+00	

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LLP
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PLOT DATE = 5/6/2024	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL 133
PLAN & PROFILE
SCALE: 1"=50'
SHEET 21 OF 51 SHEETS
STA. 217+00 TO STA. 232+00

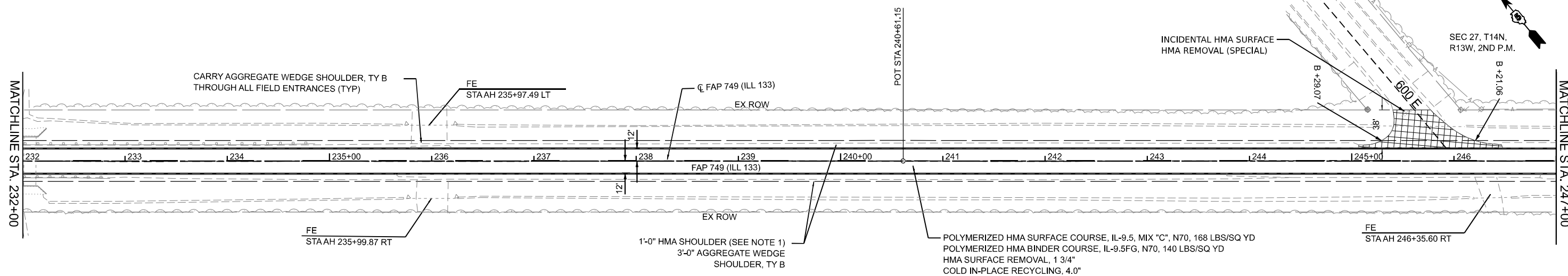
F.A.P. RTE. 749	SECTION (14)RS-3(122)RS-4,(14)CR	COUNTY EDGAR	TOTAL SHEETS 157	SHEET NO. 64
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-WL5(692)				



SEC 29, T14N, R13W, 2ND P.M.

KILE ROBERT ANTHONY & BROOKE M

RIGHT OF WAY BASED OFF RECORD DRAWINGS. ACTUAL LIMITS MAY VARY.

SEC 27, T14N, R13W, 2ND P.M.

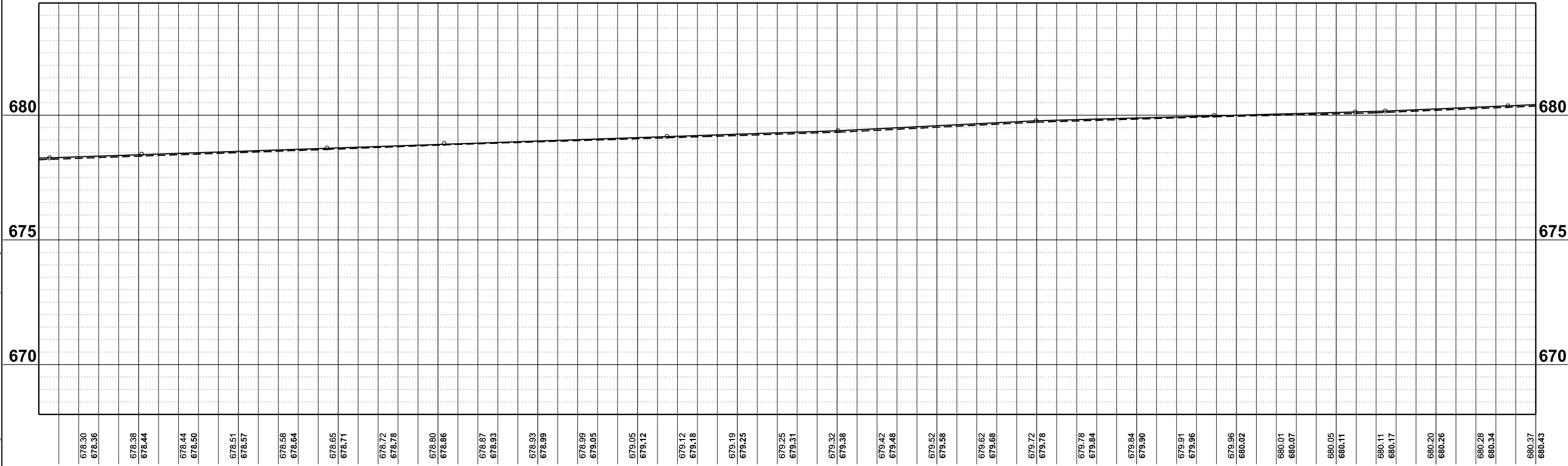


-  INCIDENTAL HMA SURFACE
-  HMA SURFACE REMOVAL-BUTT JOINT

GILBREATH TERRY D & JANE TTRS

SEC 29, T14N, R13W, 2ND P.M.

NOTES:
 1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



678.30 678.36	678.38 678.44	678.44 678.50	678.51 678.57	678.58 678.64	678.65 678.71	678.72 678.78	678.80 678.86	678.87 678.93	678.93 678.99	678.99 679.05	679.05 679.12	679.12 679.18	679.19 679.25	679.25 679.31	679.32 679.38	679.42 679.48	679.52 679.58	679.62 679.68	679.72 679.78	679.78 679.84	679.84 679.90	679.91 679.96	679.96 680.02	680.01 680.07	680.05 680.11	680.11 680.17	680.20 680.26	680.28 680.34	680.37 680.43
233+00		234+00		235+00		236+00		237+00		238+00		239+00		240+00		241+00		242+00		243+00		244+00		245+00		246+00		247+00	

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DRAWN - MCE	REVISOR -	
PLOT SCALE = 0.1666000' / in.	CHECKED - JWD	REVISOR -
PLOT DATE = 5/6/2024	DATE - 03/21/2024	REVISOR -

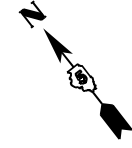
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL 133
PLAN & PROFILE
 SCALE: 1"=50' SHEET 22 OF 51 SHEETS STA. 232+00 TO STA. 247+00

F.A.P. RTE. 749	SECTION (14)RS-3(122)RS-4,(14)CR	COUNTY EDGAR	TOTAL SHEETS 157	SHEET NO. 65
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IL-5(692)				

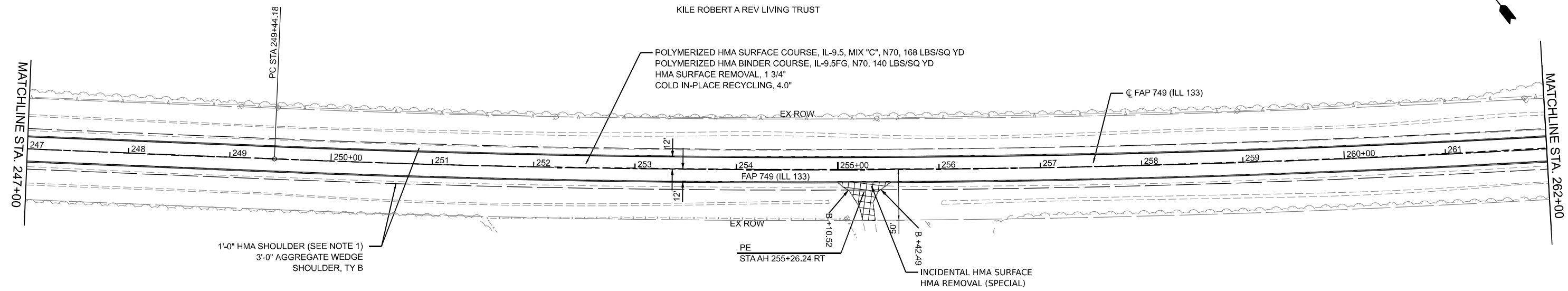
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RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.



SEC 27, T14N, R13W, 2ND P.M.

KILE ROBERT A REV LIVING TRUST

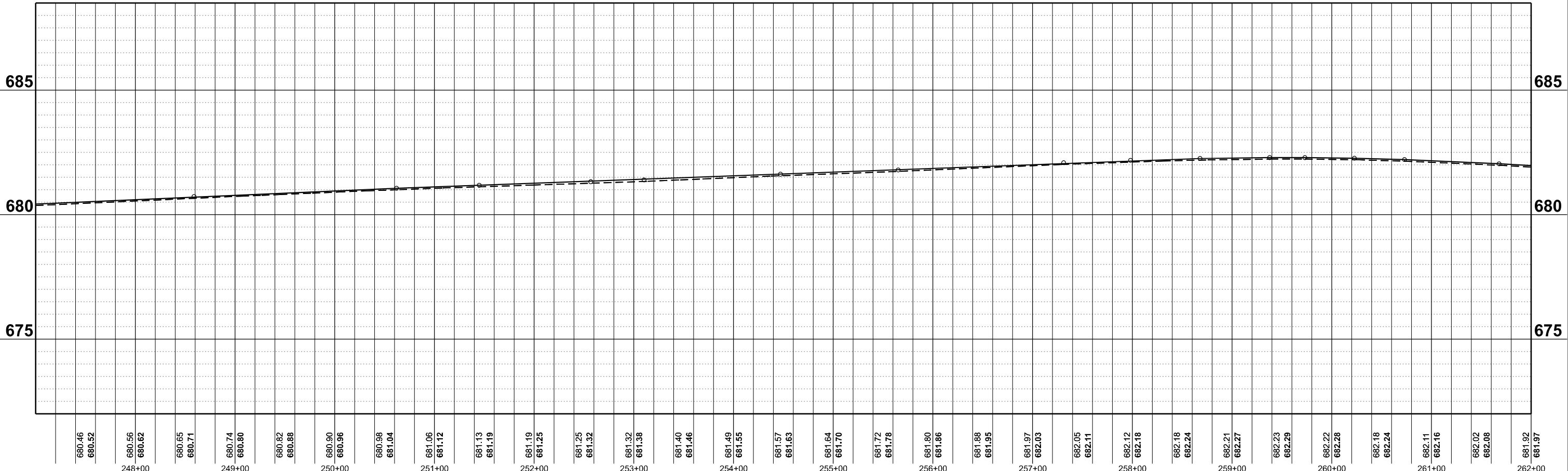


HUNT SANDRA KITE

SEC 27, T14N, R13W, 2ND P.M.

NOTES:
1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.

MODEL: ILL133_C1-2_Plan 23 (Sheet)
FILE NAME: \\c:\work\Drawings\2024\20240301\ILL 133 DS\Sheet23\1-24\Roadway\Plan-50\H5L.dgn



680.46	680.52	680.56	680.62	680.65	680.71	680.74	680.80	680.82	680.88	680.90	680.96	680.98	681.04	681.06	681.12	681.13	681.19	681.19	681.25	681.25	681.32	681.32	681.38	681.40	681.46	681.49	681.55	681.57	681.63	681.64	681.70	681.72	681.78	681.80	681.86	681.88	681.95	681.97	682.03	682.05	682.11	682.12	682.18	682.18	682.24	682.24	682.21	682.27	682.23	682.29	682.22	682.28	682.18	682.24	682.11	682.16	682.02	682.08	681.92
248+00			249+00			250+00				251+00			252+00			253+00			254+00			255+00			256+00			257+00			258+00			259+00			260+00			261+00			262+00																

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	DRAWN - MCE	REVISED -
PLOT SCALE = 0.16660000' / in.	CHECKED - JWD	REVISED -
PLOT DATE = 5/6/2024	DATE - 03/21/2024	REVISED -

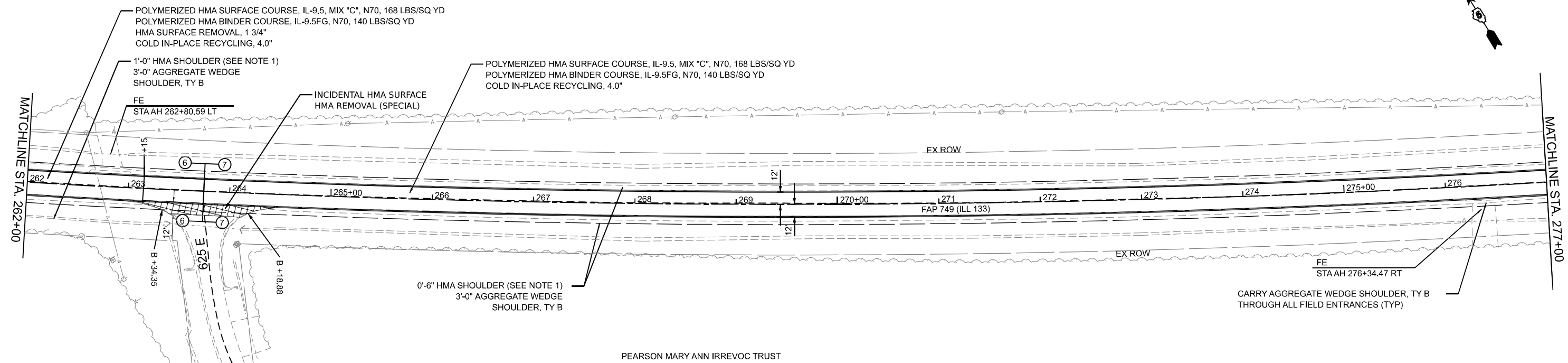
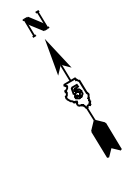
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL 133
PLAN & PROFILE

SCALE: 1"=50' SHEET 23 OF 51 SHEETS STA. 247+00 TO STA. 262+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	66
CONTRACT NO. 70C14				
ILLINOIS		FED. AID PROJECT	STP-RURAL-ILL5(692)	

RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.

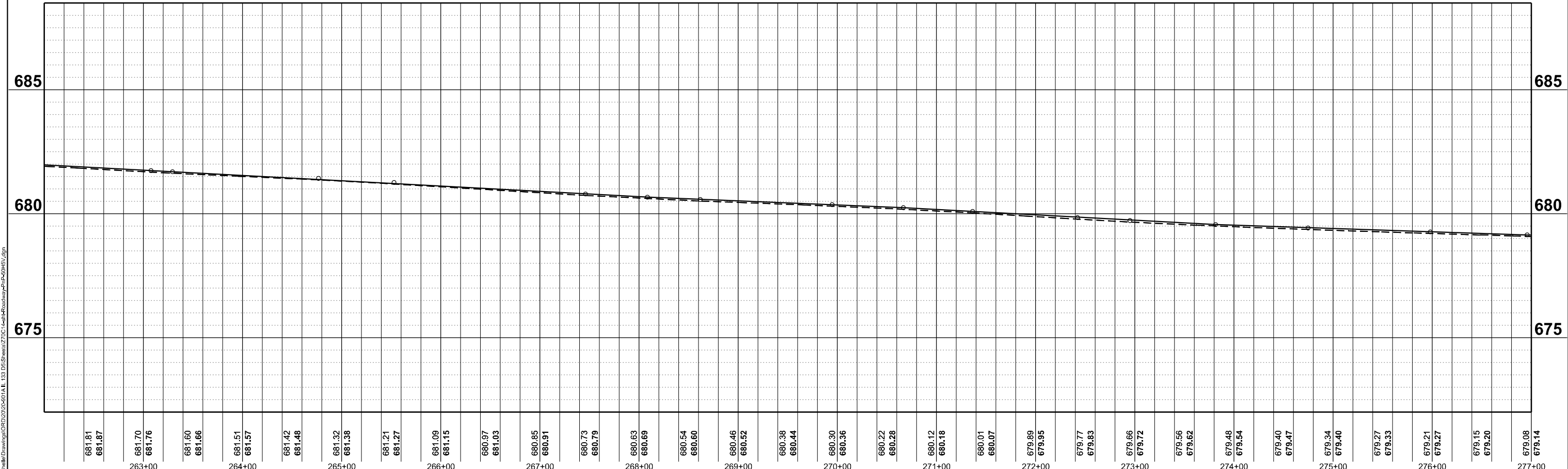


PEARSON MARY ANN IRREVOC TRUST

SEC 27, T14N, R13W, 2ND P.M.

- INCIDENTAL HMA SURFACE
- HMA SURFACE REMOVAL- BUTT JOINT

NOTES:
1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



USER NAME = rhamon.burroughs	DESIGNED - RAB	REVISED
	DRAWN - MCE	REVISED -
PLOT SCALE = 0.1666000' / in.	CHECKED - JWD	REVISED -
PLOT DATE = 5/6/2024	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL 133	
PLAN & PROFILE	
SCALE: 1"=50'	SHEET 24 OF 51 SHEETS
STA. 262+00	TO STA. 277+00

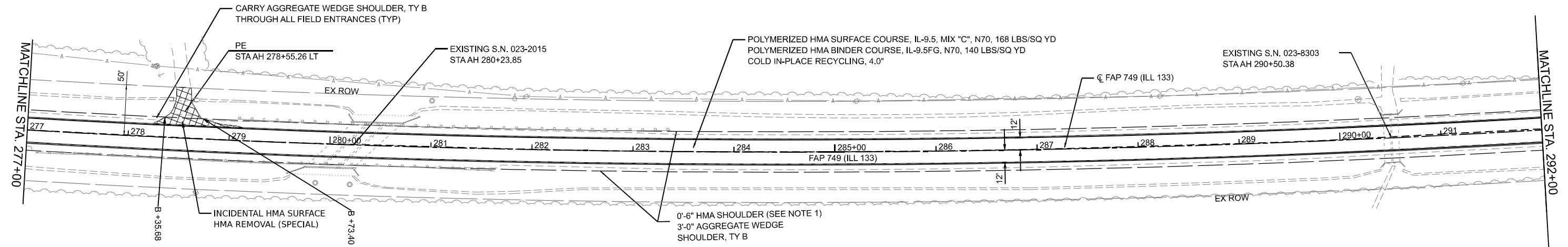
F.A.P. RTE. 749	SECTION (14)RS-3(12)RS-4,(14)CR	COUNTY EDGAR	TOTAL SHEETS 157	SHEET NO. 67
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IL-5(692)				



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SEC 27, T14N, R13W, 2ND P.M.

HUGG BILLIEJEAN IRREV FAMILY

RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.

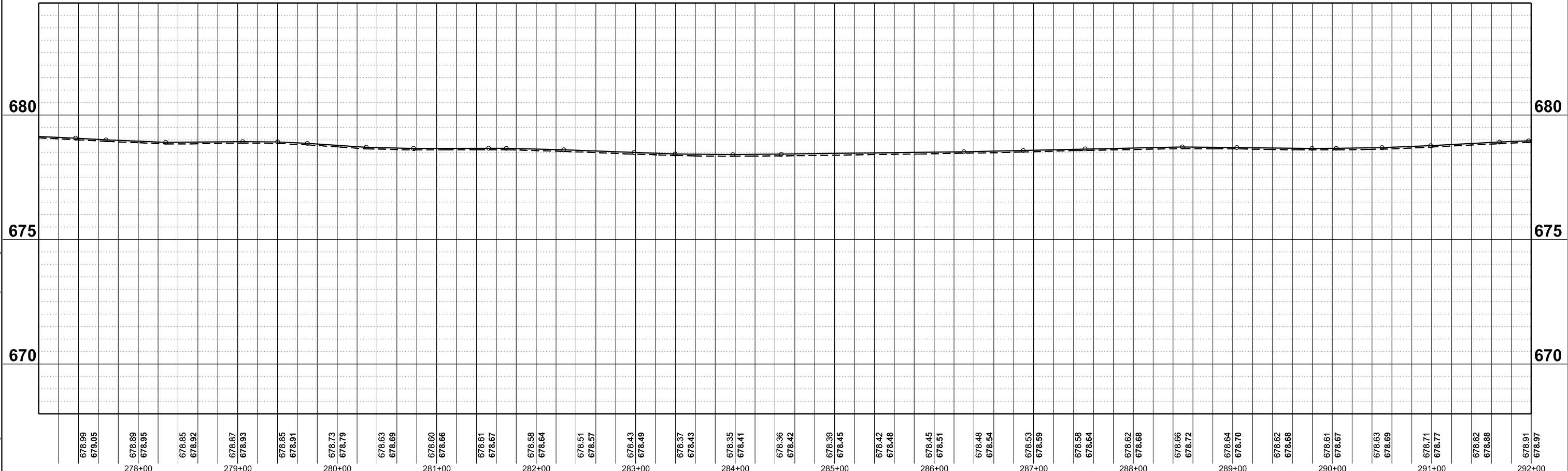


-  INCIDENTAL HMA SURFACE
-  HMA SURFACE REMOVAL-BUTT JOINT

PEARSON MARY ANN IRREVOC TRUST

SEC 27, T14N, R13W, 2ND P.M.

NOTES:
 1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



678.99	679.05	678.89	678.95	678.85	678.92	678.87	678.93	678.85	678.91	678.73	678.79	678.63	678.69	678.60	678.66	678.61	678.67	678.58	678.64	678.51	678.57	678.43	678.49	678.37	678.43	678.35	678.41	678.36	678.42	678.39	678.45	678.42	678.48	678.45	678.51	678.48	678.54	678.53	678.59	678.58	678.64	678.62	678.68	678.66	678.72	678.64	678.70	678.62	678.68	678.61	678.67	678.63	678.69	678.71	678.77	678.82	678.88	678.91	678.97
278+00		279+00		280+00		281+00		282+00		283+00		284+00		285+00		286+00		287+00		288+00		289+00		290+00		291+00		292+00																															

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CHECKED - JWD	REVISED -	
DATE - 03/21/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL 133
PLAN & PROFILE
 SCALE: 1"=50' SHEET 25 OF 51 SHEETS STA. 277+00 TO STA. 292+00

F.A.P. RTE. 749	SECTION (14)RS-3(122)RS-4,(14)CR	COUNTY EDGAR	TOTAL SHEETS 157	SHEET NO. 68
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-1W(5)92				

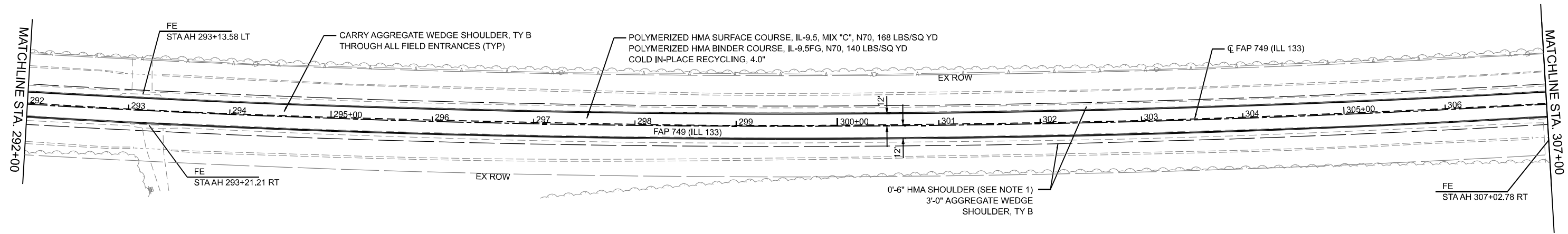
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RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.



SEC 27, T14N, R13W, 2ND P.M.

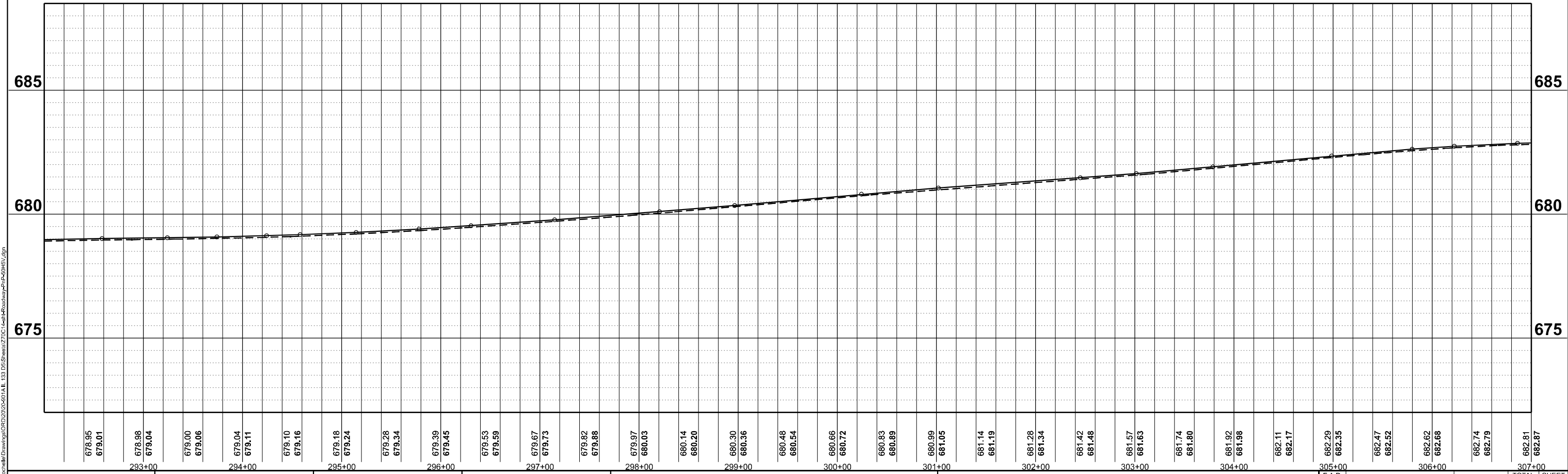
ENGLISH DALE E TRUST &



ENGLISH DALE E TRUST &

SEC 34, T14N, R13W, 2ND P.M.

NOTES:
1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



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	DRAWN - MCE	REVISED -
PLOT SCALE = 0.16660000' / in.	CHECKED - JWD	REVISED -
PLOT DATE = 5/6/2024	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL 133
PLAN & PROFILE
SCALE: 1"=50'
SHEET 26 OF 51 SHEETS
STA. 292+00 TO STA. 307+00

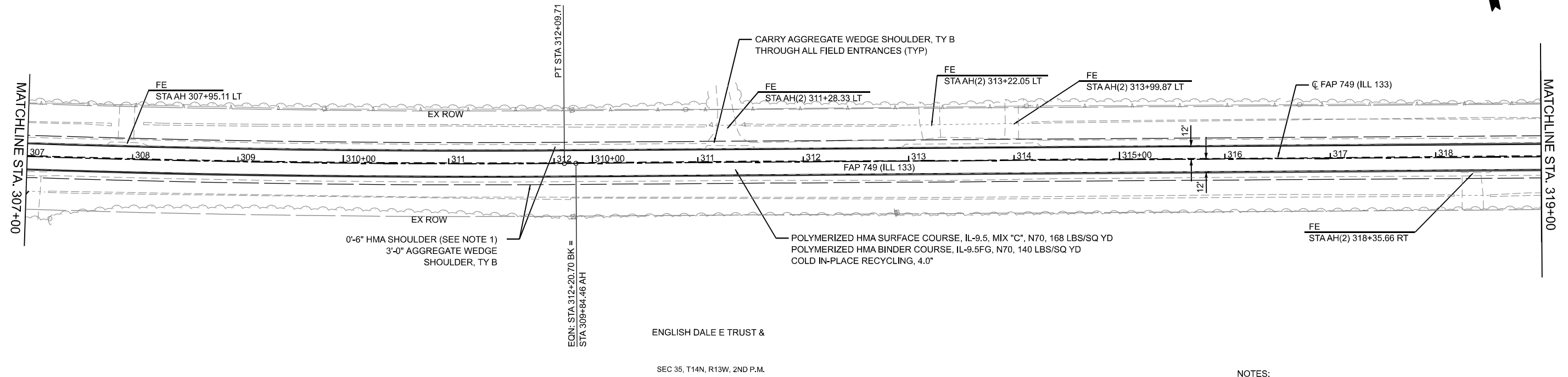
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-1,(14)CR	EDGAR	157	69
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-ILL5(692)				

MODEL: ILL133_C14-2_Plan 26 (Sheet)
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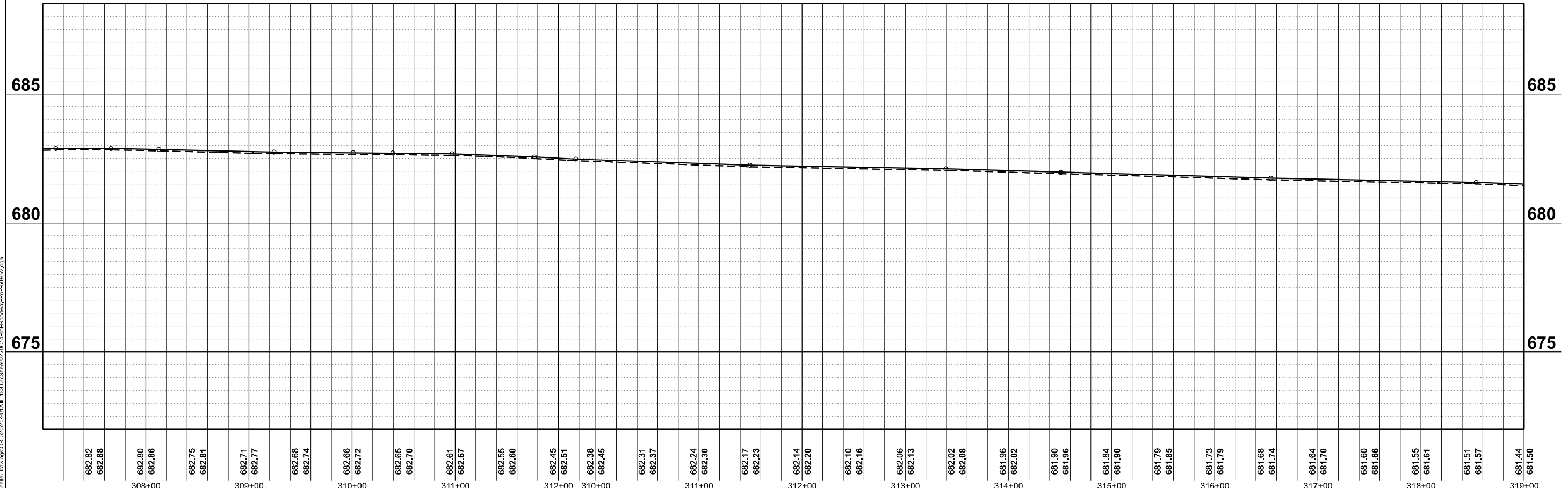
SEC 35, T14N, R13W, 2ND P.M.

ENGLISH DALE E TRUST &

RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.



NOTES:
 1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



FEHR GRAHAM ENGINEERING & ENVIRONMENTAL <small>ILLINOIS DESIGN FIRM NO. 181-003325</small> © 2024 FEHR GRAHAM	USER NAME = rhammon, burroughs DESIGNED - RAB DRAWN - MCE CHECKED - JWD DATE - 03/21/2024 PLOT SCALE = 0.16660000' / in. PLOT DATE = 5/6/2024	DESIGNED - RAB DRAWN - MCE CHECKED - JWD DATE - 03/21/2024 REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ILL 133 PLAN & PROFILE	SCALE: 1"=50' SHEET 27 OF 51 SHEETS STA. 307+00 TO STA. 319+00	F.A.P. RTE. 749 SECTION (14)RS-3(122)RS-4,(14)CR COUNTY EDGAR TOTAL SHEETS 157 SHEET NO. 70 CONTRACT NO. 70C14 <small>ILLINOIS FED. AID PROJECT STP-RURAL-ILL5(692)</small>

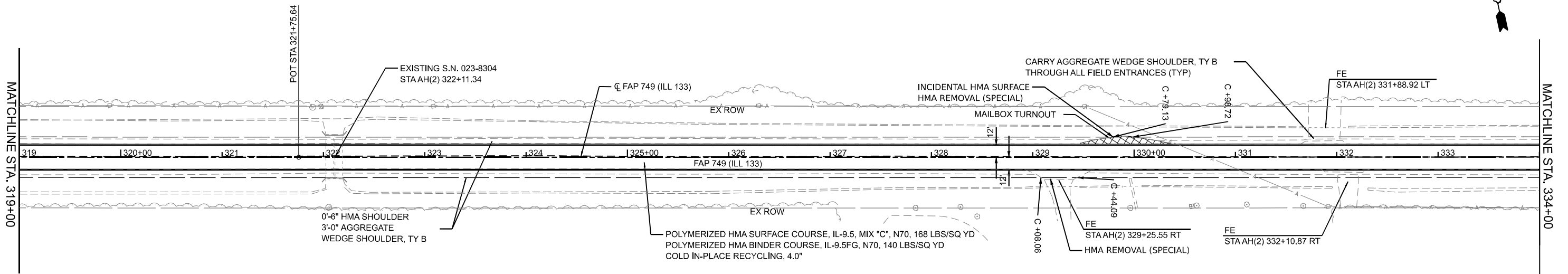
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SEC 35, T14N, R13W, 2ND P.M.

RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.



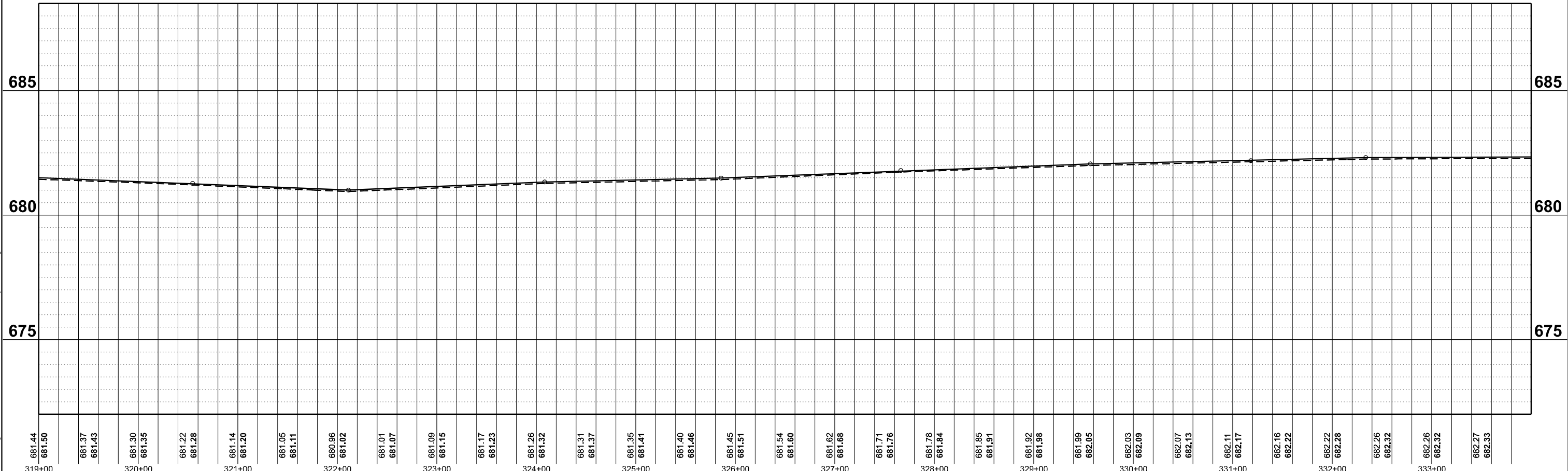
ENGLISH DALE E TRUST &



ENGLISH DALE E TRUST &

SEC 35, T14N, R13W, 2ND P.M.

NOTES:
1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



681.44 319+00	681.50 320+00	681.37 681.43 321+00	681.30 681.35 322+00	681.22 681.28 323+00	681.14 681.20 324+00	681.05 681.11 325+00	680.96 681.02 326+00	681.01 681.07 327+00	681.09 681.15 328+00	681.17 681.23 329+00	681.26 681.32 330+00	681.31 681.37 331+00	681.35 681.41 332+00	681.40 681.46 333+00	681.45 681.51 334+00	681.54 681.60 335+00	681.62 681.68 336+00	681.71 681.76 337+00	681.78 681.84 338+00	681.85 681.91 339+00	681.92 681.98 340+00	681.99 682.05 341+00	682.03 682.09 342+00	682.07 682.13 343+00	682.11 682.17 344+00	682.16 682.22 345+00	682.22 682.28 346+00	682.26 682.32 347+00	682.26 682.32 348+00	682.27 682.33 349+00
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	DRAWN - MCE	REVISED -
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PLOT DATE = 5/6/2024	DATE - 03/21/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

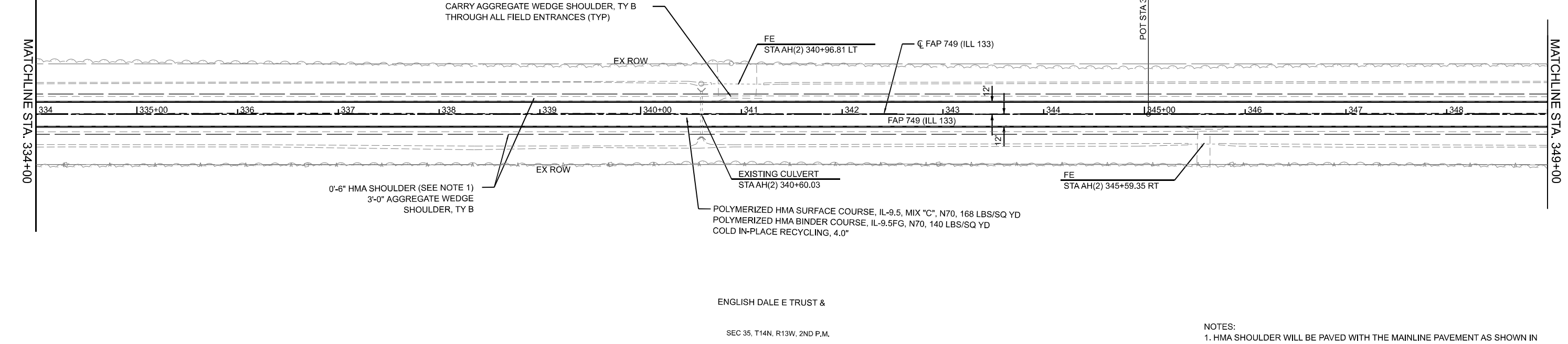
**ILL 133
PLAN & PROFILE**

SCALE: 1"=50' SHEET 28 OF 51 SHEETS STA. 319+00 TO STA. 334+00

F.A.P. RTE. 749	SECTION (14)RS-3(122)RS-4,(14)CR	COUNTY EDGAR	TOTAL SHEETS 157	SHEET NO. 71
CONTRACT NO. 70C14			ILLINOIS FED. AID PROJECT STP-RURAL-ILL5(692)	

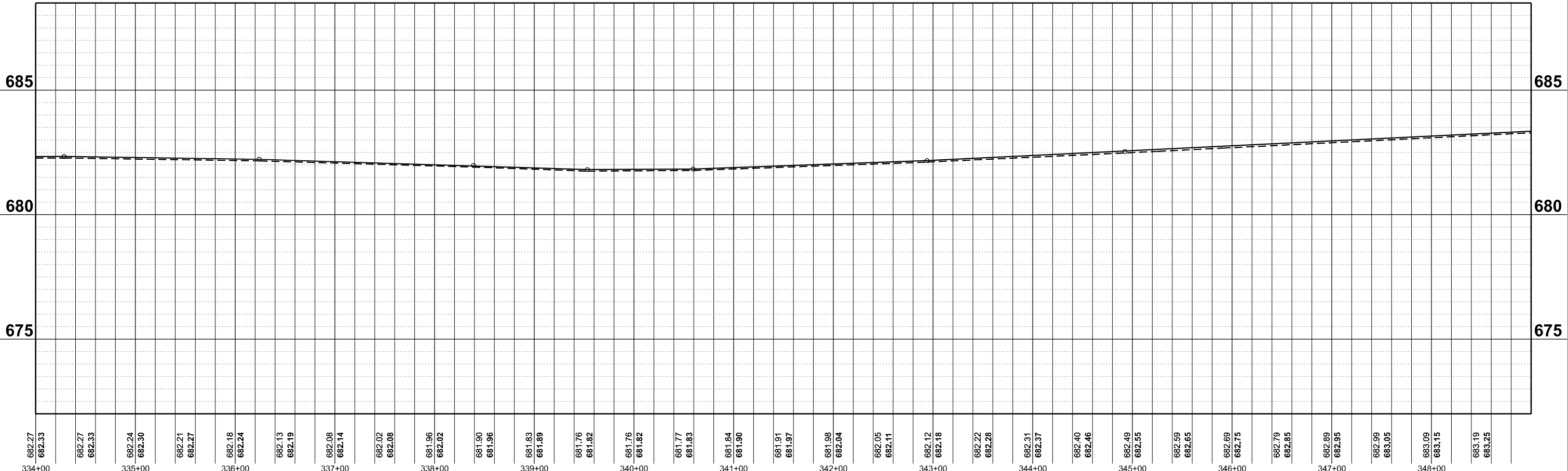
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RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.



ENGLISH DALE E TRUST &
SEC 35, T14N, R13W, 2ND P.M.

NOTES:
1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



MODEL: ILL133_C1-3_Plan 29 (Final)
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USER NAME = rhamon,burroughs	DESIGNED - RAB	REVISED
PLOT SCALE = 0.16660000' / in.	DRAWN - MCE	REVISED -
PLOT DATE = 5/6/2024	CHECKED - JWD	REVISED -
	DATE - 03/21/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ILL 133 PLAN & PROFILE		
SCALE: 1"=50'	SHEET 29 OF 51 SHEETS	STA. 334+00 TO STA. 349+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-1,(14CR)	EDGAR	157	72
CONTRACT NO. 70C14				
ILLINOIS		FED. AID PROJECT STP-RURAL-ILL5(692)		

SEC 35, T14N, R13W, 2ND P.M.

SEC 35, T14N, R13W, 2ND P.M.

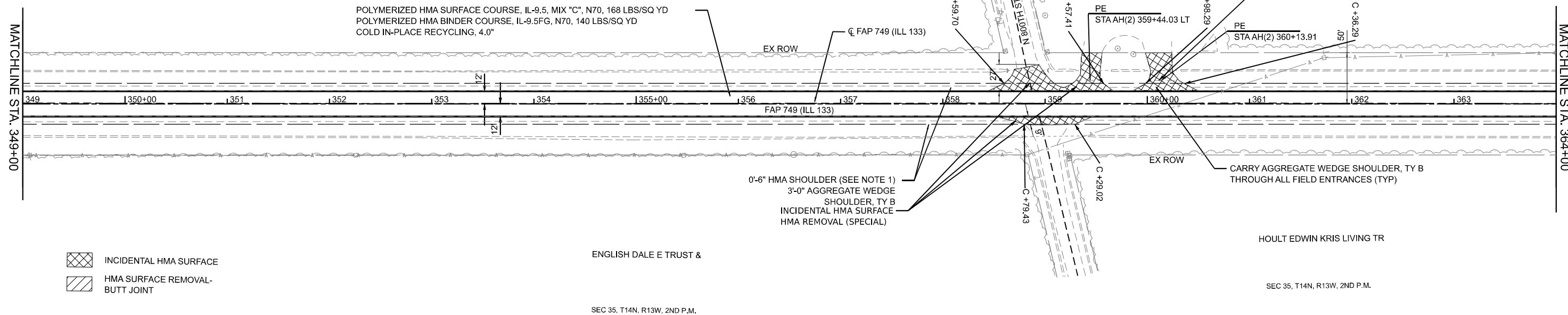
HOULT EDWIN KRIS LIVING TR

HOULT H KIRK REVOCABLE TR

RIGHT OF WAY BASED OFF RECORD DRAWINGS. ACTUAL LIMITS MAY VARY.



POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "C", N70, 168 LBS/SQ YD
POLYMERIZED HMA BINDER COURSE, IL-9.5FG, N70, 140 LBS/SQ YD
COLD IN-PLACE RECYCLING, 4.0"



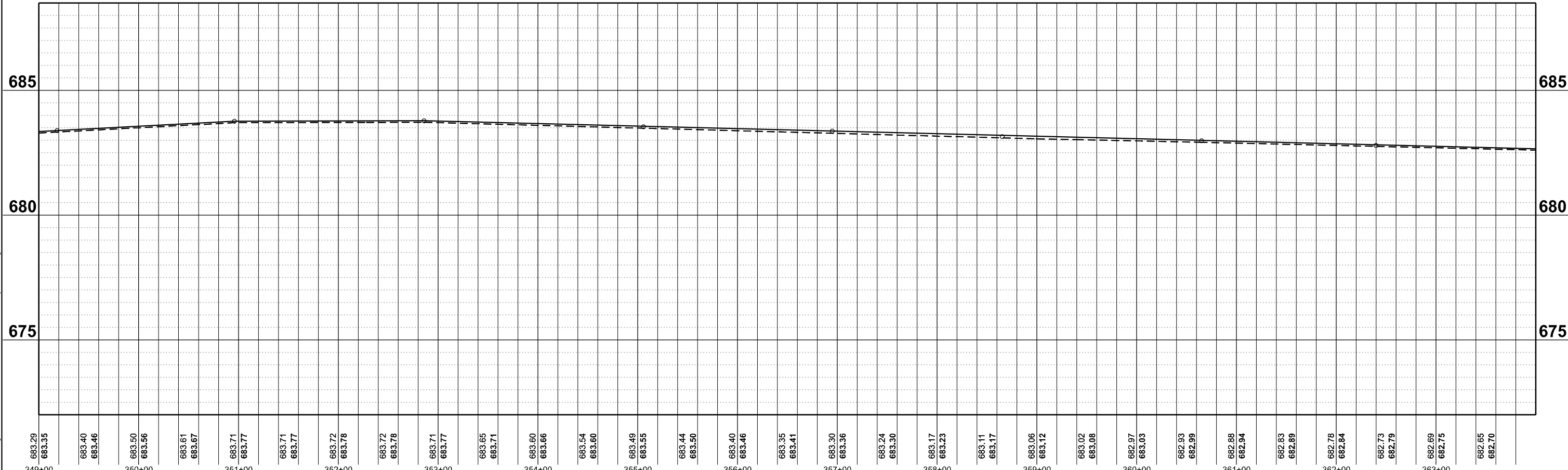
ENGLISH DALE E TRUST &

HOULT EDWIN KRIS LIVING TR

SEC 35, T14N, R13W, 2ND P.M.

SEC 35, T14N, R13W, 2ND P.M.

NOTES:
1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



683.29 349+00	683.35 349+00	683.40 350+00	683.46 350+00	683.50 351+00	683.56 351+00	683.61 352+00	683.67 352+00	683.71 353+00	683.77 353+00	683.71 354+00	683.77 354+00	683.72 355+00	683.78 355+00	683.72 356+00	683.78 356+00	683.71 357+00	683.77 357+00	683.65 358+00	683.71 358+00	683.60 359+00	683.66 359+00	683.54 360+00	683.60 360+00	683.49 361+00	683.55 361+00	683.44 362+00	683.50 362+00	683.40 363+00	683.46 363+00	683.35 364+00	683.41 364+00	683.30 365+00	683.36 365+00	683.24 366+00	683.30 366+00	683.17 367+00	683.23 367+00	683.11 368+00	683.17 368+00	683.06 369+00	683.12 369+00	683.02 370+00	683.08 370+00	682.97 371+00	683.03 371+00	682.93 372+00	682.99 372+00	682.88 373+00	682.94 373+00	682.83 374+00	682.89 374+00	682.78 375+00	682.84 375+00	682.73 376+00	682.79 376+00	682.69 377+00	682.75 377+00	682.65 378+00	682.70 378+00
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PLOT SCALE = 0.16660000' / in.	DRAWN - MCE	REVISED -
PLOT DATE = 5/6/2024	CHECKED - JWD	REVISED -
	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

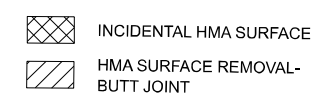
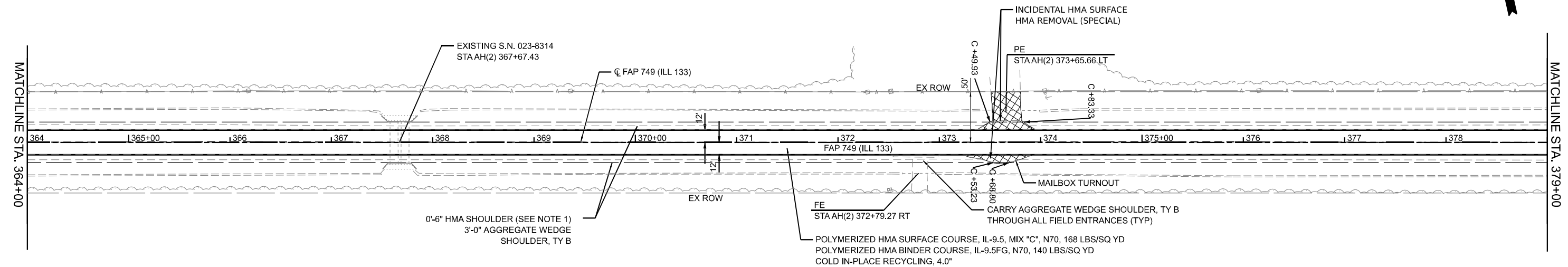
ILL 133
PLAN & PROFILE
SCALE: 1"=50'
SHEET 30 OF 51 SHEETS
STA. 349+00 TO STA. 364+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(12)RS-1,(14)CR	EDGAR	157	73
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-ILL(5)(92)				

SEC 36, T14N, R13W, 2ND P.M.
HOULT H KIRK REVOCABLE TR

SEC 36, T14N, R13W, 2ND P.M.
BRENGLE JOHN W & LORIA

RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.



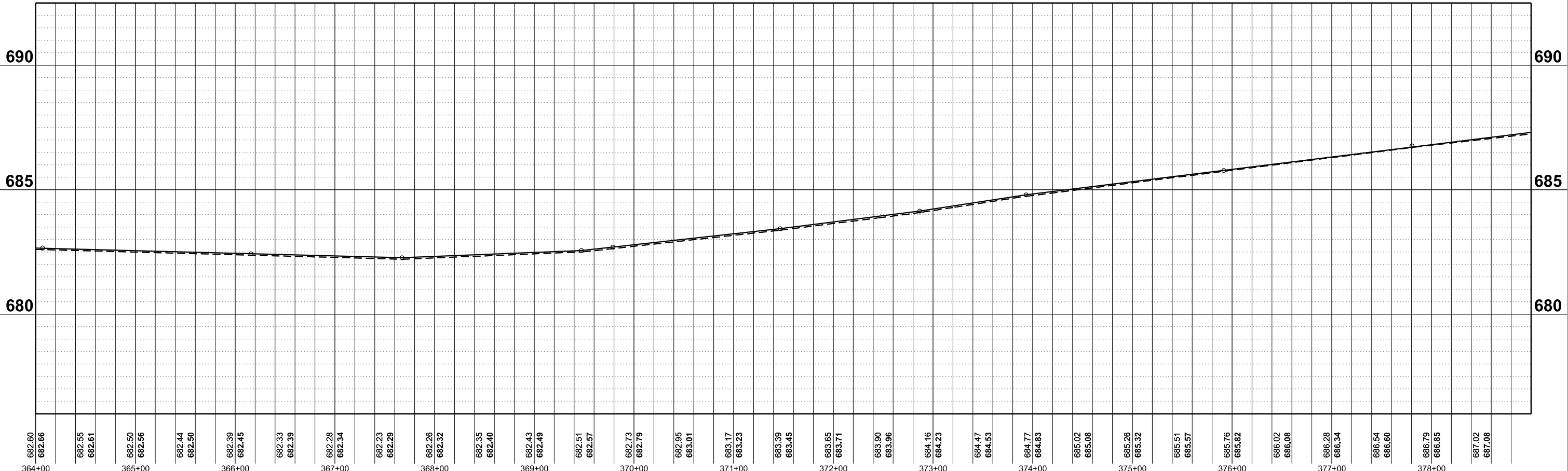
HOULT H KIRK REVOCABLE TR

BRENGLE JOHN W & LORIA

SEC 36, T14N, R13W, 2ND P.M.

NOTES:
1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.

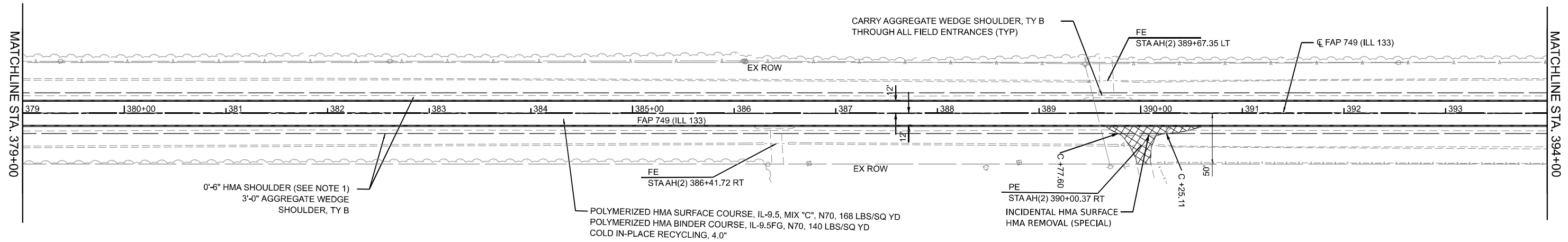
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FEHR GRAHAM ENGINEERING & ENVIRONMENTAL <small>LLNO5 03/04 FWS NO. 181-03325</small> © 2024 FEHR GRAHAM	USER NAME = rhamon.burroughs DESIGNED - RAB DRAWN - MCE CHECKED - JWD DATE - 03/21/2024	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ILL 133 PLAN & PROFILE	SCALE: 1"=50' SHEET 31 OF 51 SHEETS STA. 364+00 TO STA. 379+00	SECTION 749 (14)RS-3(122)RS-4,(14CR) COUNTY EDGAR CONTRACT NO. 70C14	TOTAL SHEETS 157 SHEET NO. 74	ILLINOIS FED. AID PROJECT STP-RURAL-ILL5(692)
	PLOT SCALE = 0.16660000' / in. PLOT DATE = 5/6/2024	REVISED - REVISED - REVISED -			F.A.P. RTE. 749	COUNTY EDGAR	TOTAL SHEETS 157 SHEET NO. 74	ILLINOIS FED. AID PROJECT STP-RURAL-ILL5(692)

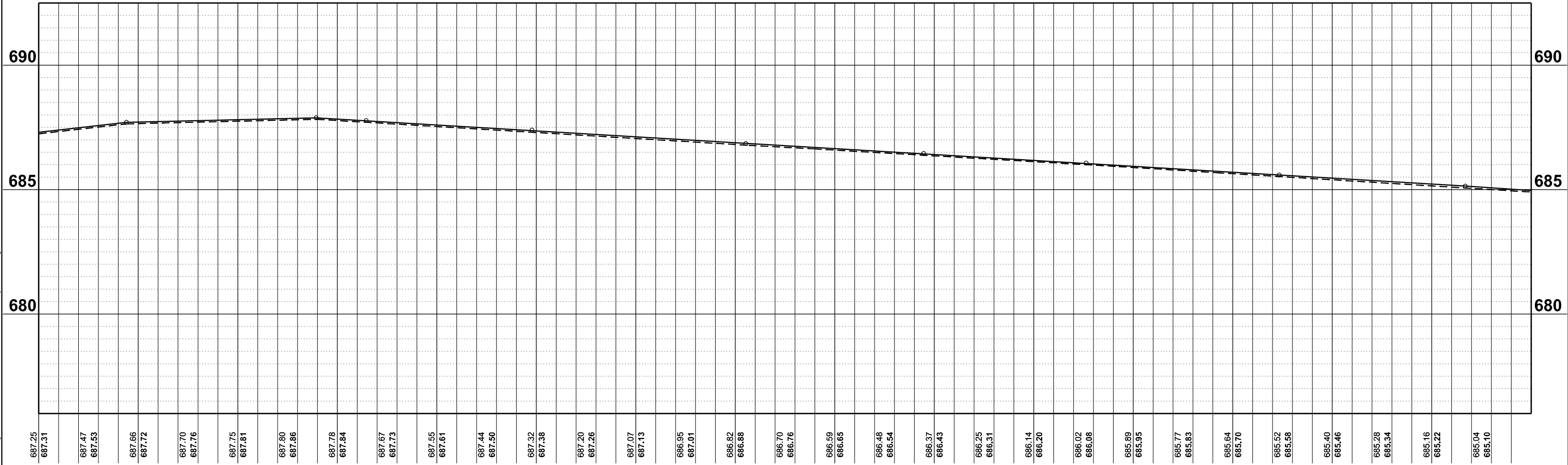
BREngle JOHN W & LORIA

RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.



BARTLEY CHAD A & CATRINA
SEC 36, T14N, R13W, 2ND P.M.

NOTES:
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ILLINOIS DESIGN FIRM NO. 184-003325
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	DRAWN - MCE	REVISED -
PLOT SCALE = 0.16660000' / in.	CHECKED - JWD	REVISED -
PLOT DATE = 5/6/2024	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL 133
PLAN & PROFILE

SCALE: 1"=50' SHEET 32 OF 51 SHEETS STA. 379+00 TO STA. 394+00

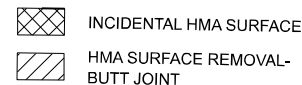
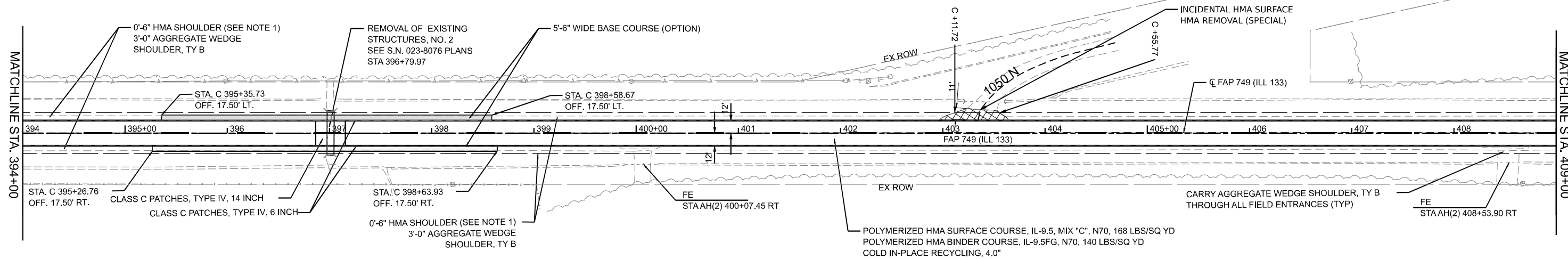
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	75
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-ILL5(692)				

MODEL: ILL133_C1-4_Plan 32 (Sheet)
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SEC 36, T14N, R13W, 2ND P.M.

STEIDL ANN B FAMILY TRUST ULWT

RIGHT OF WAY BASED OFF RECORD DRAWINGS. ACTUAL LIMITS MAY VARY.

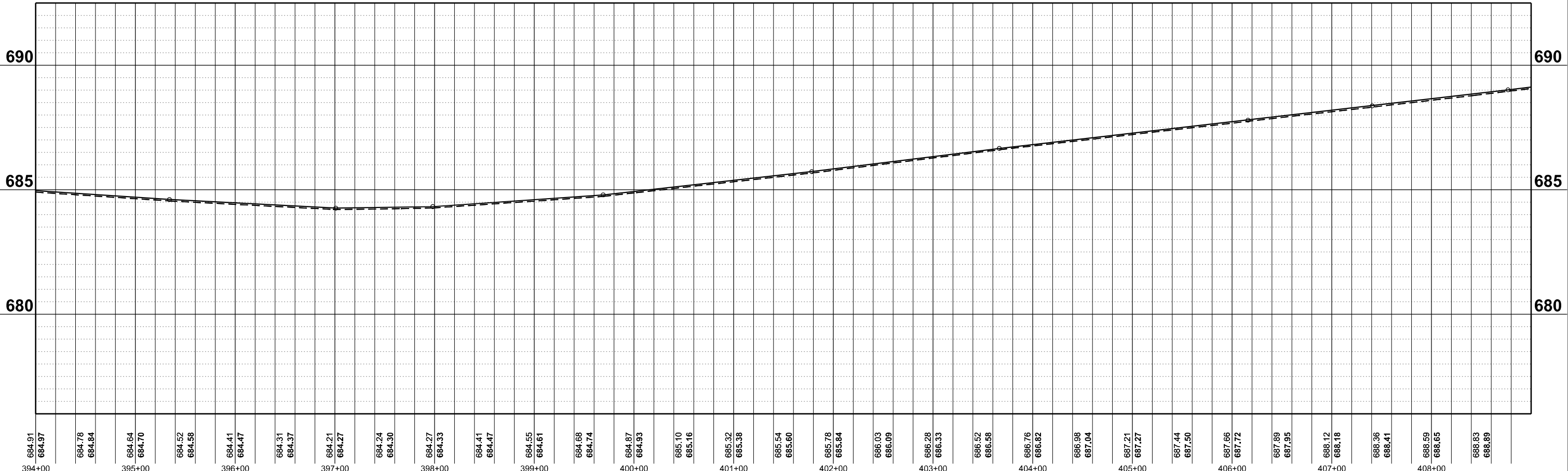


FREEZE BOB IRREVOCABLE TRUST

SEC 36, T14N, R13W, 2ND P.M.

NOTES:
 1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.

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684.91 394+00	684.97 394+00	684.78 684.84 395+00	684.64 684.70 395+00	684.52 684.58 396+00	684.41 684.47 396+00	684.31 684.37 397+00	684.21 684.27 397+00	684.24 684.30 398+00	684.27 684.33 398+00	684.41 684.47 399+00	684.55 684.61 399+00	684.68 684.74 400+00	684.87 684.93 400+00	685.10 685.16 401+00	685.32 685.38 401+00	685.54 685.60 402+00	685.78 685.84 402+00	686.03 686.09 403+00	686.28 686.33 403+00	686.52 686.58 404+00	686.76 686.82 404+00	686.98 687.04 405+00	687.21 687.27 405+00	687.44 687.50 406+00	687.66 687.72 406+00	687.89 687.95 407+00	688.12 688.18 407+00	688.36 688.41 408+00	688.59 688.65 408+00	688.83 688.89 408+00
FEHR GRAHAM ENGINEERING & ENVIRONMENTAL 1100 S. ROCKFORD AVENUE, SUITE 100 ROCKFORD, IL 61101 © 2024 FEHR GRAHAM		USER NAME = rhamon.burroughs PLOT SCALE = 0.16660000' / in. PLOT DATE = 5/6/2024	DESIGNED - RAB DRAWN - MCE CHECKED - JWD DATE - 03/21/2024	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		ILL 133 PLAN & PROFILE		SCALE: 1"=50' SHEET 33 OF 51 SHEETS STA. 394+00 TO STA. 409+00	SECTION (14)RS-3(122)RS-4,(14CR) COUNTY EDGAR CONTRACT NO. 70C14	TOTAL SHEETS 157 SHEET NO. 76	ILLINOIS FED. AID PROJECT STP-RURAL-ILL5(692)																		

SEC 36, T14N, R13W, 2ND P.M.

SEC 31, T14N, R12W, 2ND P.M.

RIGHT OF WAY BASED OFF RECORD DRAWINGS. ACTUAL LIMITS MAY VARY.

FREEZE BOB IRREVOCABLE TRUST

HUGG BILLIE JEAN



POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "C", N70, 168 LBS/SQ YD
POLYMERIZED HMA BINDER COURSE, IL-9.5FG, N70, 140 LBS/SQ YD
COLD IN-PLACE RECYCLING, 4.0"

CARRY AGGREGATE WEDGE SHOULDER, TY B THROUGH ALL FIELD ENTRANCES (TYP)

FE STA AH(2) 413+29.14 LT

EXISTING S.N. 023-0034 STA AH(2) 418+21.33

0'-6" HMA SHOULDER (SEE NOTE 1)
3'-0" AGGREGATE WEDGE SHOULDER, TY B

MATCHLINE STA. 409+00

MATCHLINE STA. 424+00



PE STA AH(2) 411+48.85 RT
INCIDENTAL HMA SURFACING
HMA REMOVAL (SPECIAL)

PE STA AH(2) 412+12.73 RT

0'-6" HMA SHOULDER (SEE NOTE 1)
3'-0" AGGREGATE WEDGE SHOULDER, TY B

BRIDGE OMISSION STA AH 417+60.95 TO STA AH 418+90.76

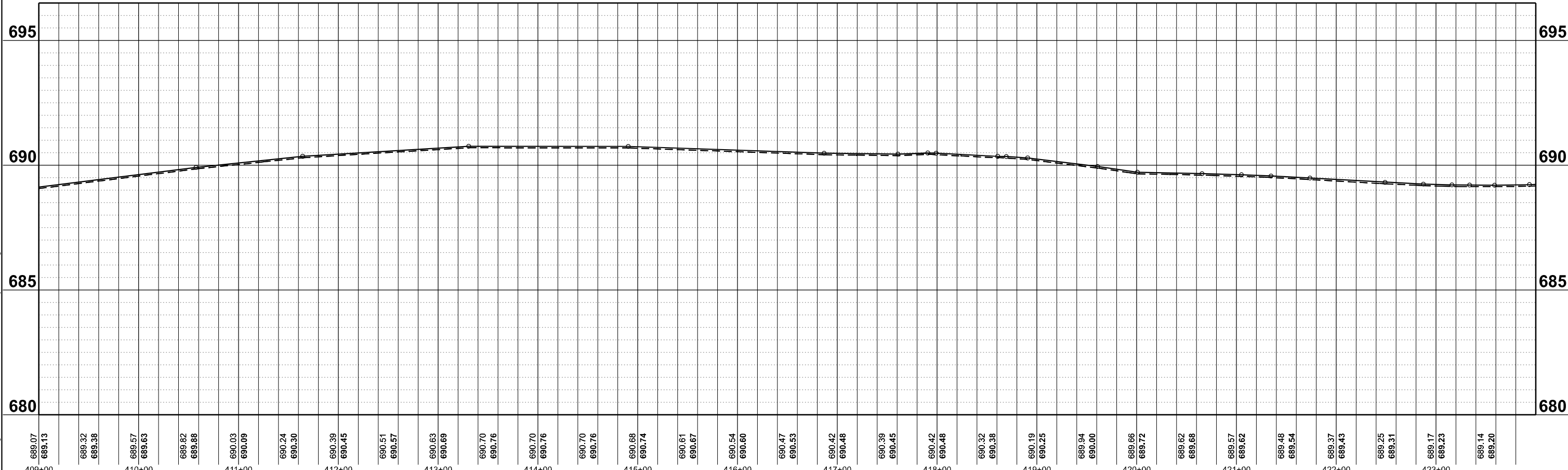
POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "C", N70, 168 LBS/SQ YD
POLYMERIZED HMA BINDER COURSE, IL-9.5FG, N70, 140 LBS/SQ YD
COLD IN-PLACE RECYCLING, 4.0"

-  INCIDENTAL HMA SURFACE
-  HMA SURFACE REMOVAL- BUTT JOINT

FREEZE BOB IRREVOCABLE TRUST

SEC 36, T14N, R13W, 2ND P.M.
SEC 31, T14N, R12W, 2ND P.M.

NOTES:
1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



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ILLINOIS DESIGN FIRM NO. 181-003325
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PLOT SCALE = 0.16660000' / in.	DRAWN - MCE	REVISED -
PLOT DATE = 5/6/2024	CHECKED - JWD	REVISED -
	DATE - 03/21/2024	REVISED -

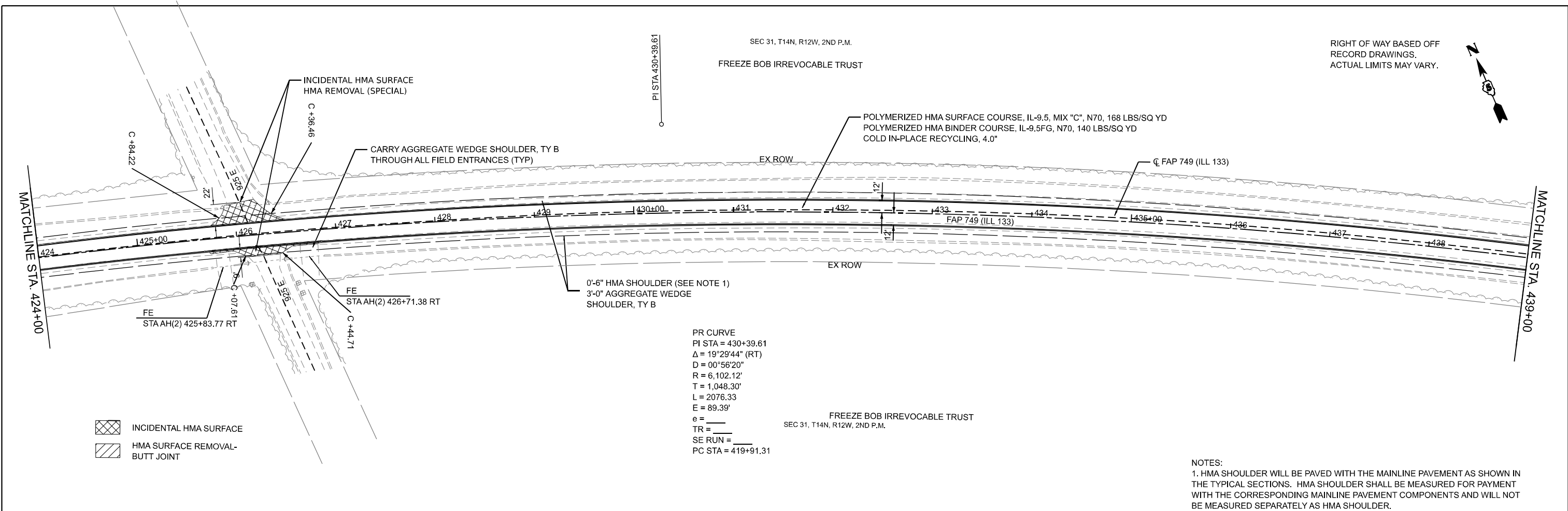
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILL 133
PLAN & PROFILE**

SCALE: 1"=50' SHEET 34 OF 51 SHEETS STA. 409+00 TO STA. 424+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(12)RS-4,(14)CR	EDGAR	157	77
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-ILL5(692)				

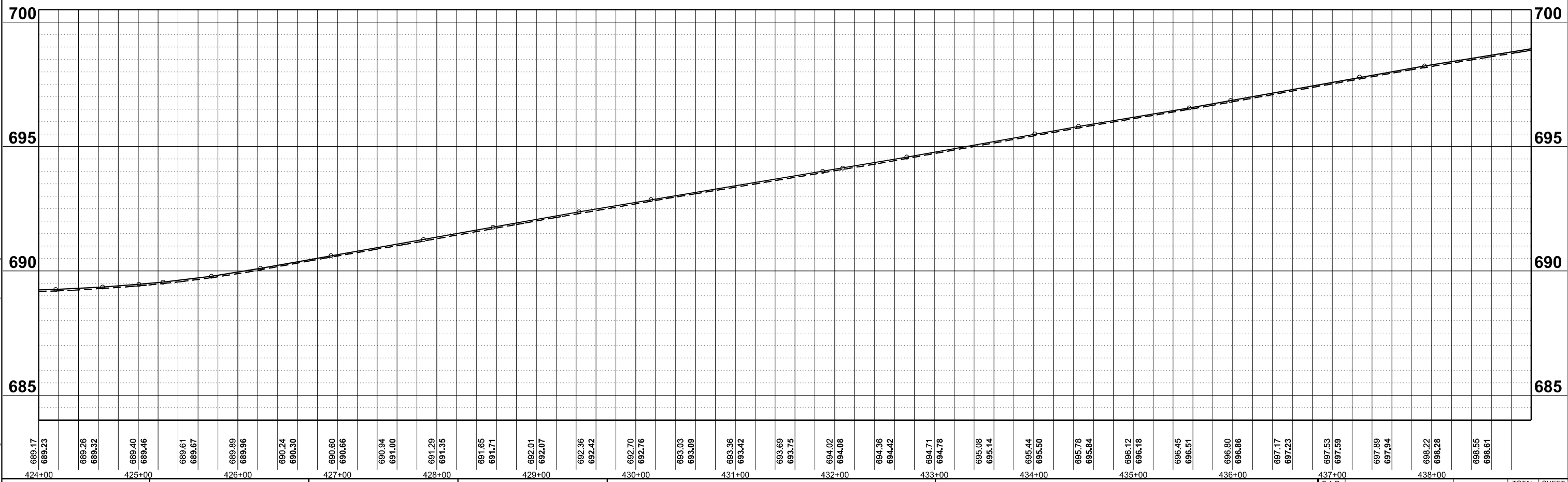
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PR CURVE
 PI STA = 430+39.61
 $\Delta = 19^{\circ}29'44''$ (RT)
 $D = 00^{\circ}56'20''$
 $R = 6,102.12'$
 $T = 1,048.30'$
 $L = 2076.33'$
 $E = 89.39'$
 $e =$
 $TR =$
 $SE RUN =$
 $PC STA = 419+91.31$

FREEZE BOB IRREVOCABLE TRUST
 SEC 31, T14N, R12W, 2ND P.M.

NOTES:
 1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



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 1100 S. ROCKFORD AVENUE, SUITE 100
 ROCKFORD, ILLINOIS 61102
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USER NAME = rhammon, burroughs	DESIGNED - RAB	REVISED
DRAWN - MCE	REVISED -	
CHECKED - JWD	REVISED -	
DATE - 03/21/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL 133
PLAN & PROFILE
 SCALE: 1"=50'
 SHEET 35 OF 51 SHEETS
 STA. 424+00 TO STA. 439+00

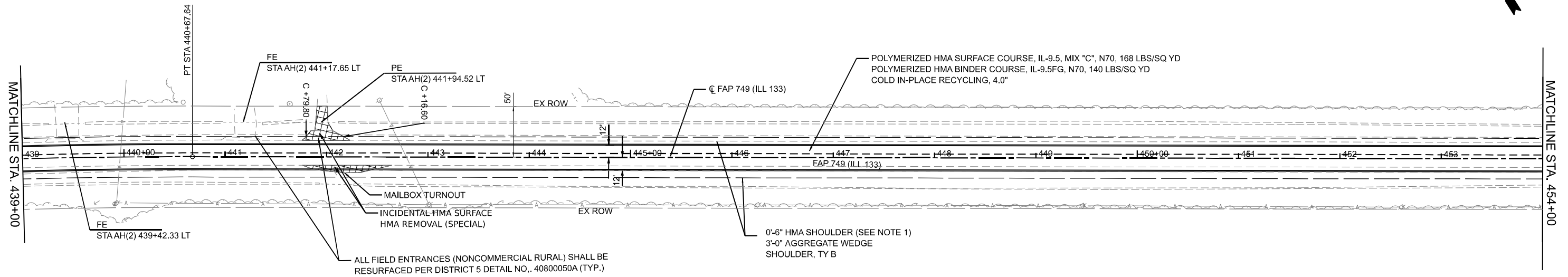
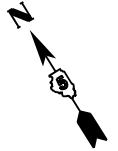
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	78
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-ILL5(692)				



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SEC 31, T14N, R12W, 2ND P.M.

MATTINGLY MARIAN R

RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.

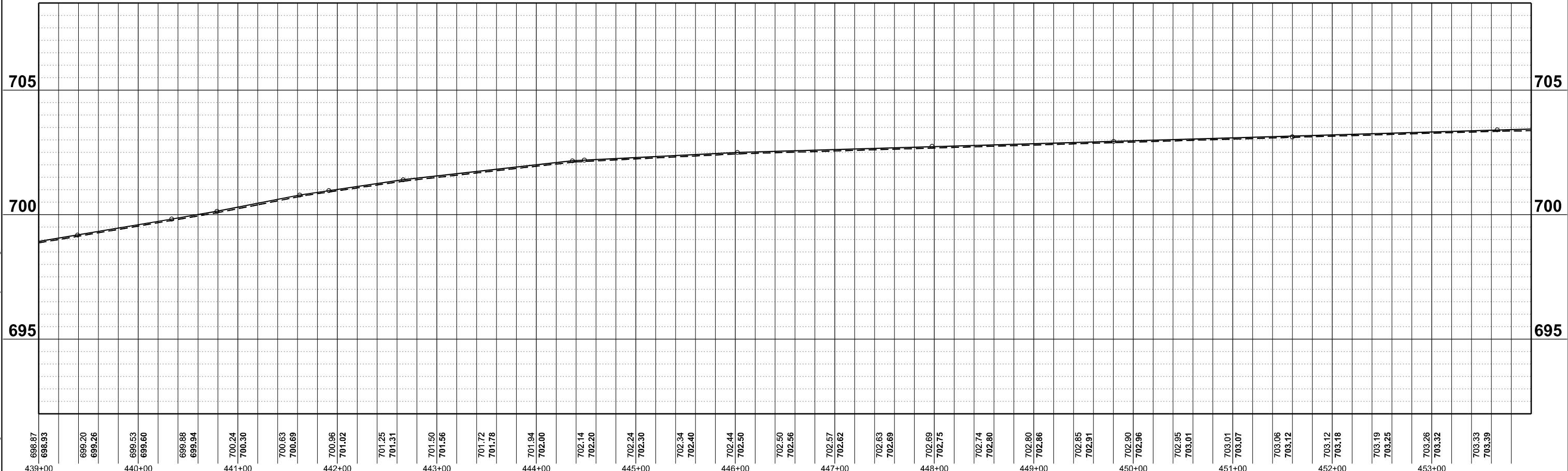


-  INCIDENTAL HMA SURFACE
-  HMA SURFACE REMOVAL- BUTT JOINT

STOLZ ROBERT & SHIRLEY

SEC 31, T14N, R12W, 2ND P.M.

NOTES:
 1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



FEHR GRAHAM ENGINEERING & ENVIRONMENTAL <small>ILLINOIS DESIGN FIRM NO. 181-003325</small> © 2024 FEHR GRAHAM	USER NAME = rhamon.burroughs DESIGNED - RAB DRAWN - MCE CHECKED - JWD DATE - 03/21/2024 PLOT SCALE = 0.16660000' / in. PLOT DATE = 5/6/2024	DESIGNED - RAB DRAWN - MCE CHECKED - JWD DATE - 03/21/2024 REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ILL 133 PLAN & PROFILE	SCALE: 1"=50' SHEET 36 OF 51 SHEETS STA. 439+00 TO STA. 454+00	SECTION (14)RS-3(122)RS-4,(14CR) COUNTY EDGAR CONTRACT NO. 70C14	TOTAL SHEETS 157 SHEET NO. 79
	ILLINOIS FED. AID PROJECT STP-RURAL-ILL5(692)						

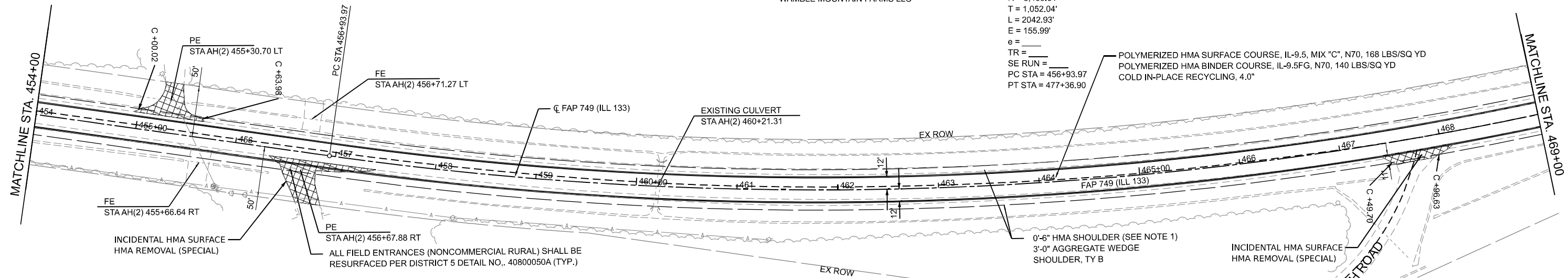
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SEC 31, T14N, R12W, 2ND P.M.
WAMBLE MOUNTAIN FARMS LLC

PR CURVE
PI STA = 467+46.01
 $\Delta = 33^{\circ}44'10''$ (LT)
D = $01^{\circ}39'05''$
R = 3,469.61'
T = 1,052.04'
L = 2042.93'
E = 155.99'
e = _____
TR = _____
SE RUN = _____
PC STA = 456+93.97
PT STA = 477+36.90

RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.



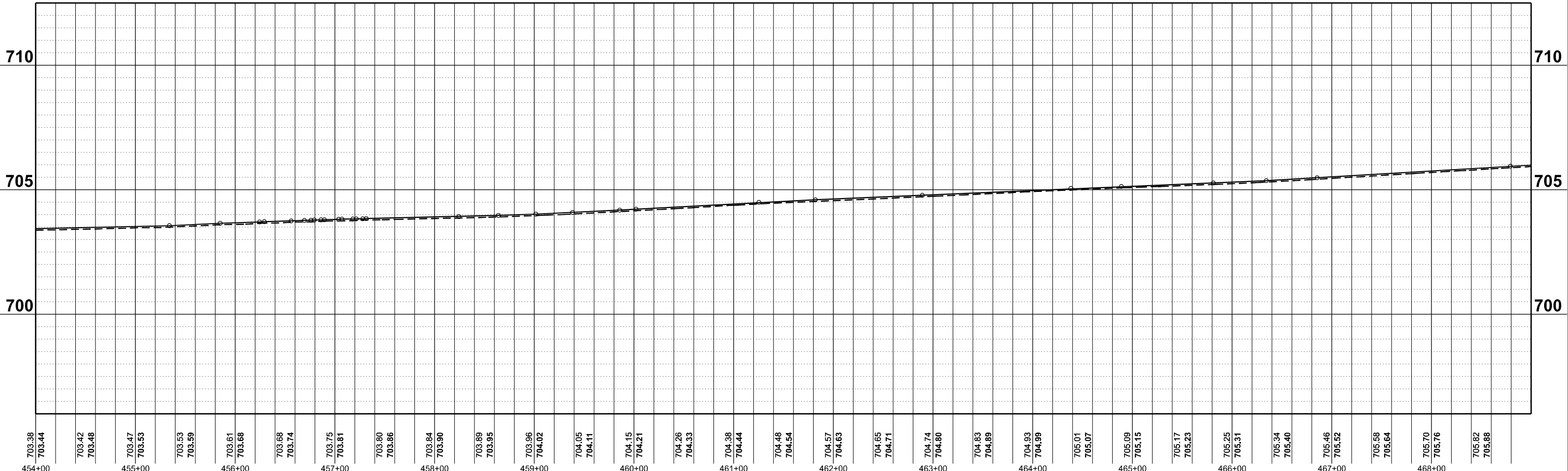
- INCIDENTAL HMA SURFACE
- HMA SURFACE REMOVAL-BUTT JOINT

ALL FIELD ENTRANCES (NONCOMMERCIAL RURAL) SHALL BE RESURFACED PER DISTRICT 5 DETAIL NO., 40800050A (TYP.)

0'-6" HMA SHOULDER (SEE NOTE 1)
3'-0" AGGREGATE WEDGE SHOULDER, TY B

NOTES:
1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.

STOLZ ROBERT & SHIRLEY
SEC 31, T14N, R12W, 2ND P.M.



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	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL 133
PLAN & PROFILE
SCALE: 1"=50'
SHEET 37 OF 51 SHEETS
STA. 454+00 TO STA. 469+00

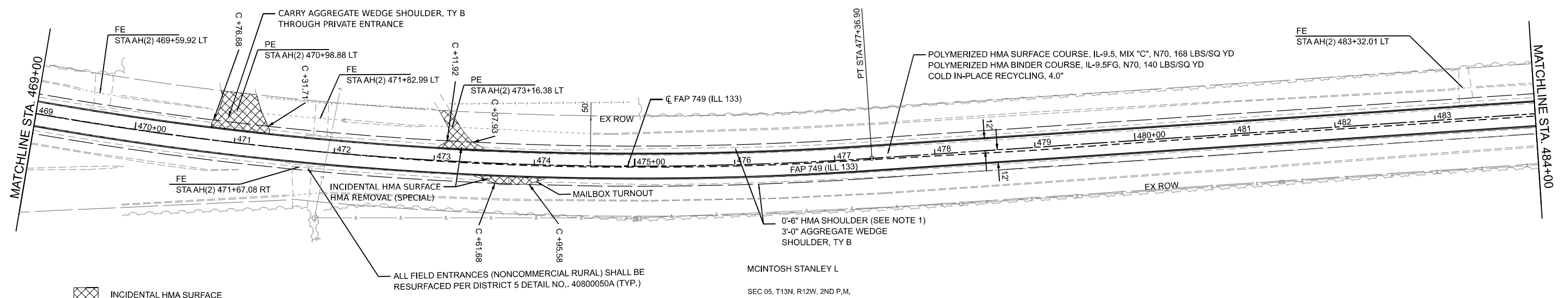
F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	80
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-ILL5(692)				

MODEL: ILL133_C14-3_Plan 37 (Sheet)
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RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.



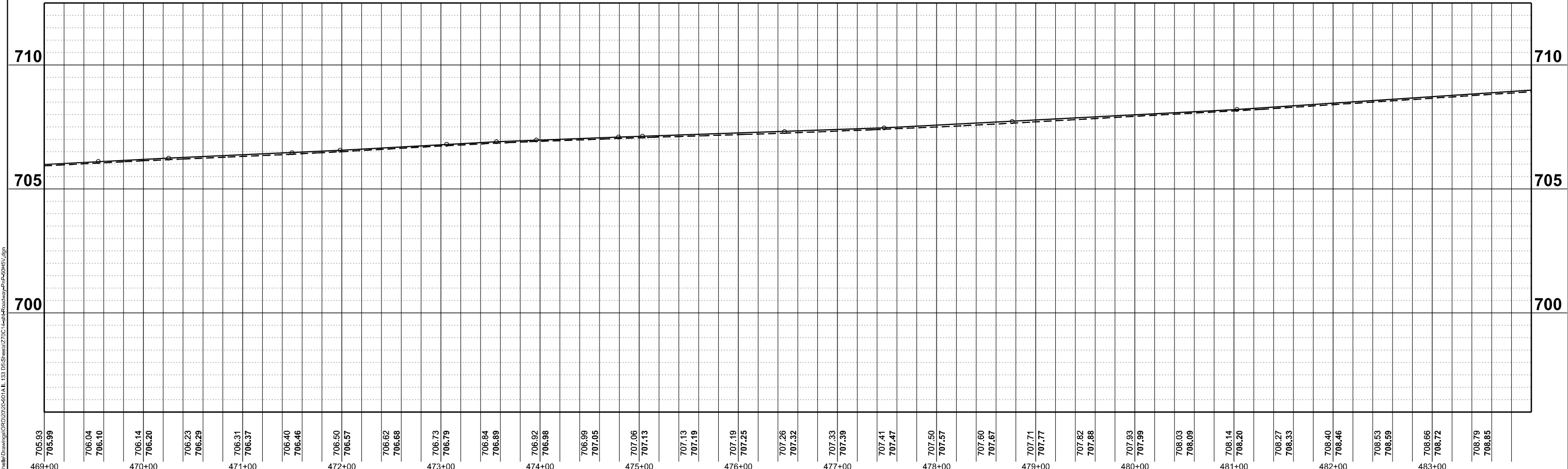
SEC 32, T14N, R12W, 2ND P.M.
MCINTOSH STANLEY L & PATRICIA



- INCIDENTAL HMA SURFACE
- HMA SURFACE REMOVAL-BUTT JOINT

MCINTOSH STANLEY L
SEC 05, T13N, R12W, 2ND P.M.

NOTES:
1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



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PLOT DATE = 5/6/2024	DATE - 03/21/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILL 133
PLAN & PROFILE**
SCALE: 1"=50' SHEET 38 OF 51 SHEETS STA. 469+00 TO STA. 484+00

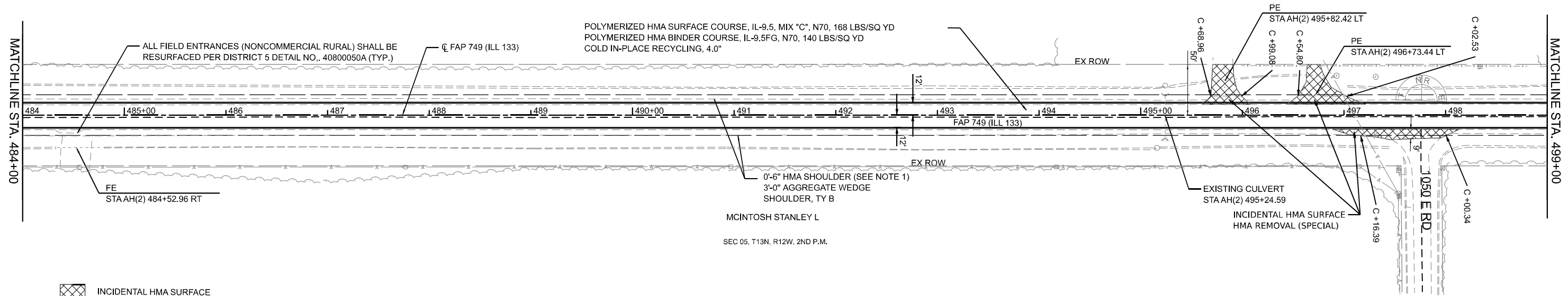
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	81
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-ILL(692)				

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SEC 32, T13N, R12W, 2ND P.M.

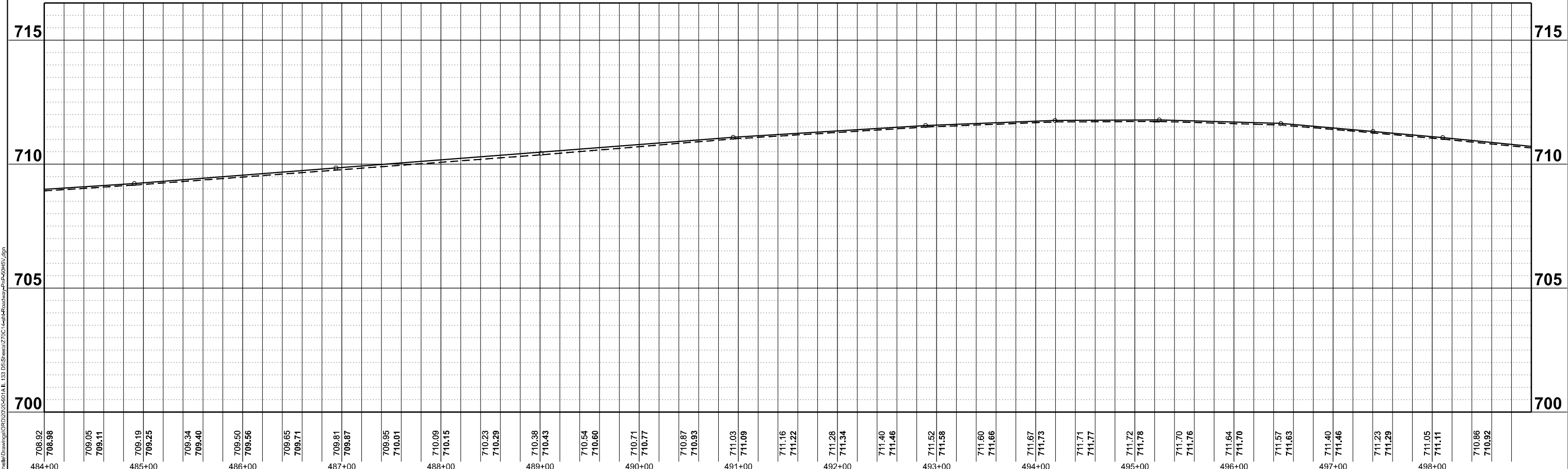
PATRICK DAVID I

RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.



- INCIDENTAL HMA SURFACE
- HMA SURFACE REMOVAL- BUTT JOINT

NOTES:
1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



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 2024 Fehr Graham

708.92 484+00	708.98 485+00	709.05 485+00	709.11 485+00	709.19 485+00	709.25 485+00	709.34 486+00	709.40 486+00	709.50 486+00	709.56 486+00	709.65 487+00	709.71 487+00	709.81 487+00	709.87 487+00	709.95 488+00	710.01 488+00	710.09 488+00	710.15 488+00	710.23 489+00	710.29 489+00	710.38 489+00	710.43 489+00	710.54 490+00	710.60 490+00	710.71 490+00	710.77 490+00	710.87 491+00	710.93 491+00	711.03 491+00	711.09 491+00	711.16 492+00	711.22 492+00	711.28 492+00	711.34 492+00	711.40 493+00	711.46 493+00	711.52 493+00	711.58 493+00	711.60 494+00	711.66 494+00	711.67 494+00	711.73 494+00	711.71 495+00	711.77 495+00	711.72 495+00	711.78 495+00	711.70 496+00	711.76 496+00	711.64 496+00	711.70 496+00	711.57 497+00	711.63 497+00	711.40 497+00	711.46 497+00	711.23 498+00	711.29 498+00	711.05 498+00	711.11 498+00	710.86 499+00	710.92 499+00
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PLOT SCALE = 0.16660000' / in.	CHECKED - JWD	REVISED -
PLOT DATE = 5/6/2024	DATE - 03/21/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

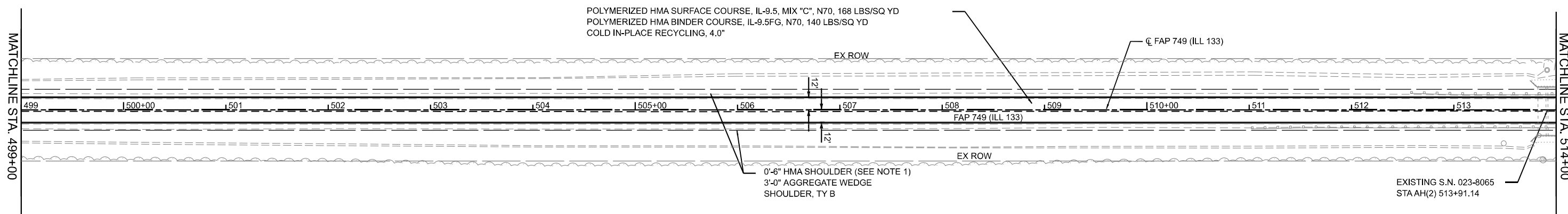
ILL 133 PLAN & PROFILE	
SCALE: 1"=50'	SHEET 39 OF 51 SHEETS
STA. 484+00	TO STA. 499+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-1,(14)CR	EDGAR	157	82
CONTRACT NO. 70C14				
ILLINOIS FED.AID PROJECT STP-RURAL-ILL5(692)				

SEC 32, T14N, R12W, 2ND P.M.

PATRICK DAVID I

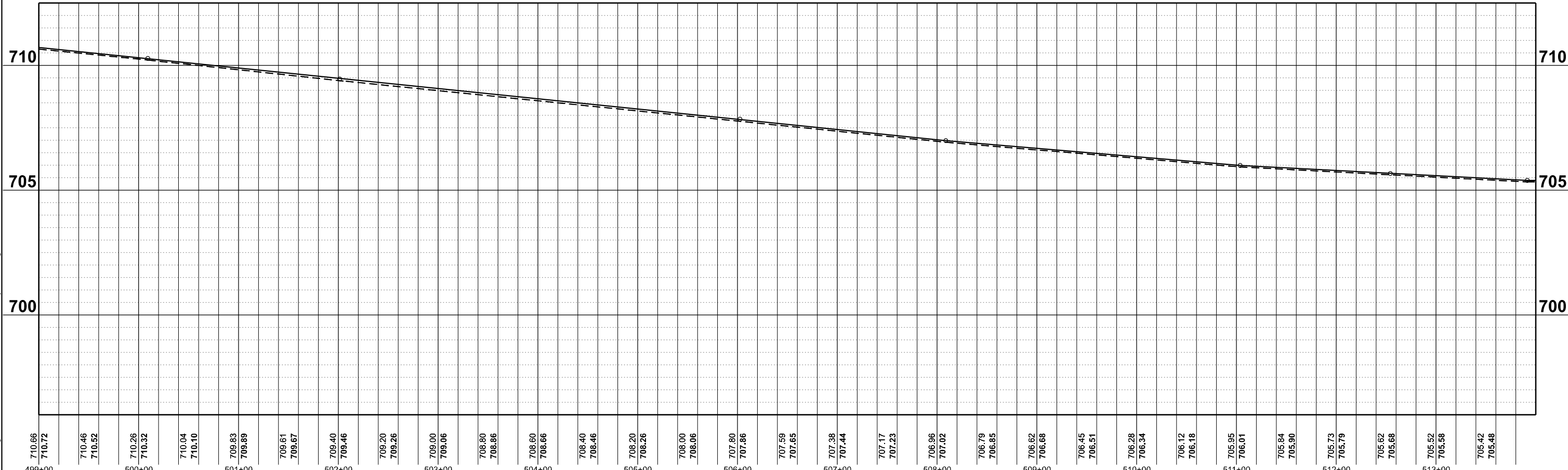
RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.



HIGGINBOTHAM MICHAEL G & LEE ANN

SEC 05, T13N, R12W, 2ND P.M.

NOTES:
 1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



FEHR GRAHAM
 ENGINEERING & ENVIRONMENTAL
 1100 S. WASHINGTON ST. SUITE 200
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 FAX: 312.467.1001
 WWW.FEHRGRAHAM.COM

USER NAME = rhammon, burroughs	DESIGNED - RAB	REVISED
	DRAWN - MCE	REVISED -
PLOT SCALE = 0.16660000' / in.	CHECKED - JWD	REVISED -
PLOT DATE = 5/6/2024	DATE - 03/21/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ILL 133 PLAN & PROFILE	
SCALE: 1"=50'	SHEET 40 OF 51 SHEETS
STA. 499+00	TO STA. 514+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	83
CONTRACT NO. 70C14				

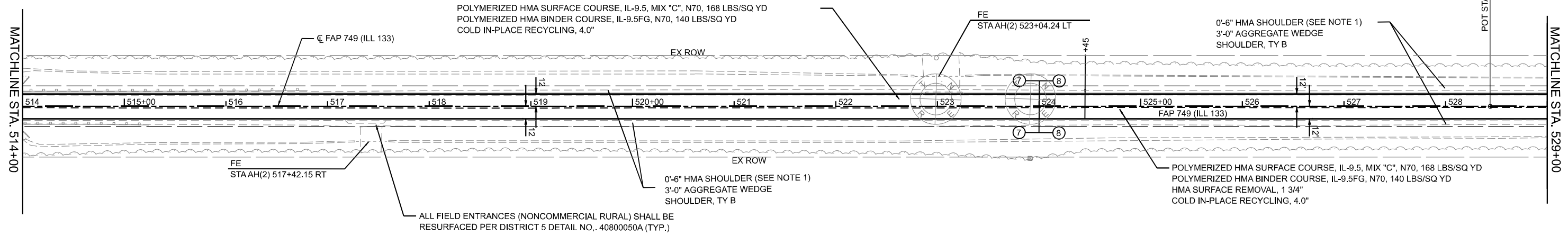
ILLINOIS FED. AID PROJECT STP-RURAL-1W(5)(992)

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 PLOT DATE: 5/6/2024

SEC 32, T14N, R12W, 2ND P.M.
 SEC 33, T14N, R12W, 2ND P.M.

PATRICK DAVID I

RIGHT OF WAY BASED OFF
 RECORD DRAWINGS.
 ACTUAL LIMITS MAY VARY.



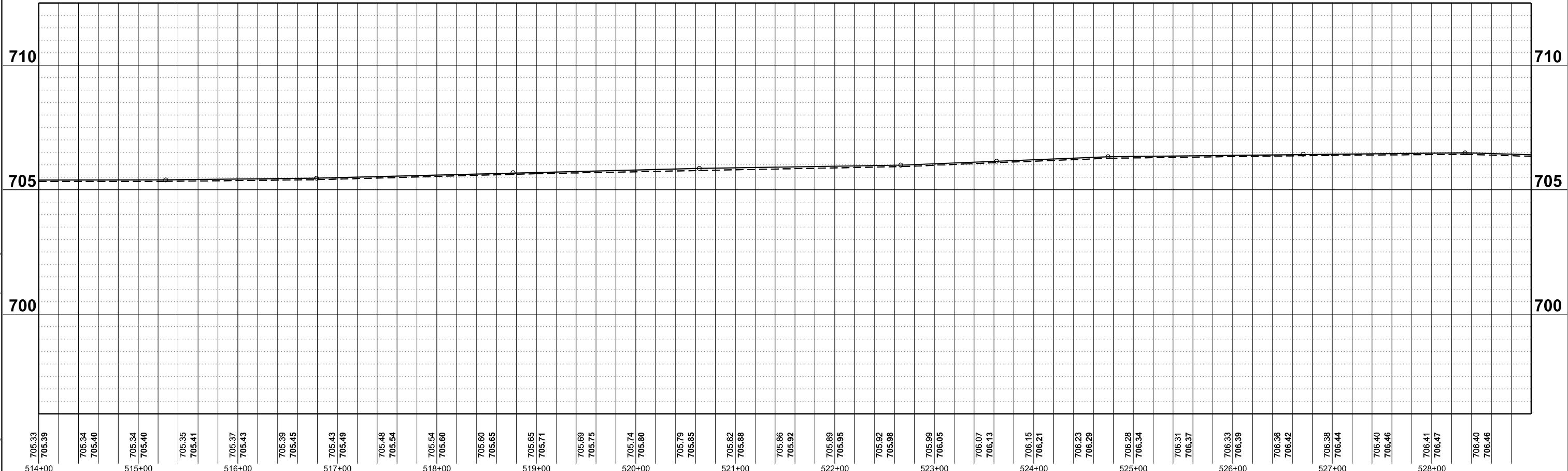
HIGGINBOTHAM TERRY W LIVING TRUST

SEC 05, T13N, R12W, 2ND P.M.

ANDERSON SUSAN WERNEKE

SEC 04, T13N, R12W, 2ND P.M.

NOTES:
 1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



705.33 514+00	705.39 705.34 705.40	705.34 705.40	705.35 705.41	705.37 705.43	705.39 705.45	705.43 705.49	705.48 705.54	705.54 705.60	705.60 705.65	705.65 705.71	705.69 705.75	705.74 705.80	705.79 705.85	705.82 705.88	705.86 705.92	705.89 705.95	705.92 705.98	705.99 706.05	706.07 706.13	706.15 706.21	706.23 706.29	706.28 706.34	706.31 706.37	706.33 706.39	706.36 706.42	706.38 706.44	706.40 706.46	706.41 706.47	706.40 706.46
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 1500 S. ROCKFORD AVENUE, SUITE 200
 ROCKFORD, ILLINOIS 61102
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USER NAME = rhammon, burroughs	DESIGNED - RAB	REVISED
PLOT SCALE = 0.16660000' / in.	DRAWN - MCE	REVISED -
PLOT DATE = 5/6/2024	CHECKED - JWD	REVISED -
	DATE - 03/21/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ILL 133
 PLAN & PROFILE**

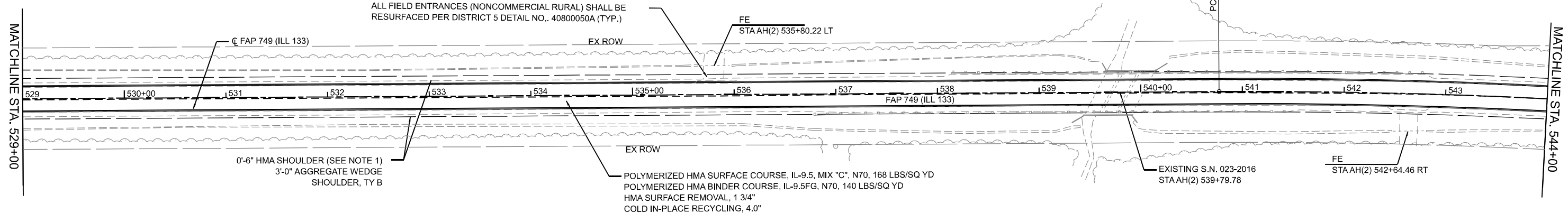
SCALE: 1"=50' SHEET 41 OF 51 SHEETS STA. 514+00 TO STA. 529+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	84
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-ILL(692)				

SEC 33, T14N, R12W, 2ND P.M.

GUMM VIRGINIA

RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.



0'-6" HMA SHOULDER (SEE NOTE 1)
3'-0" AGGREGATE WEDGE
SHOULDER, TY B

POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "C", N70, 168 LBS/SQ YD
POLYMERIZED HMA BINDER COURSE, IL-9.5FG, N70, 140 LBS/SQ YD
HMA SURFACE REMOVAL, 1 3/4"
COLD IN-PLACE RECYCLING, 4.0"

EXISTING S.N. 023-2016
STAAH(2) 539+79.78

FE
STAAH(2) 542+64.46 RT

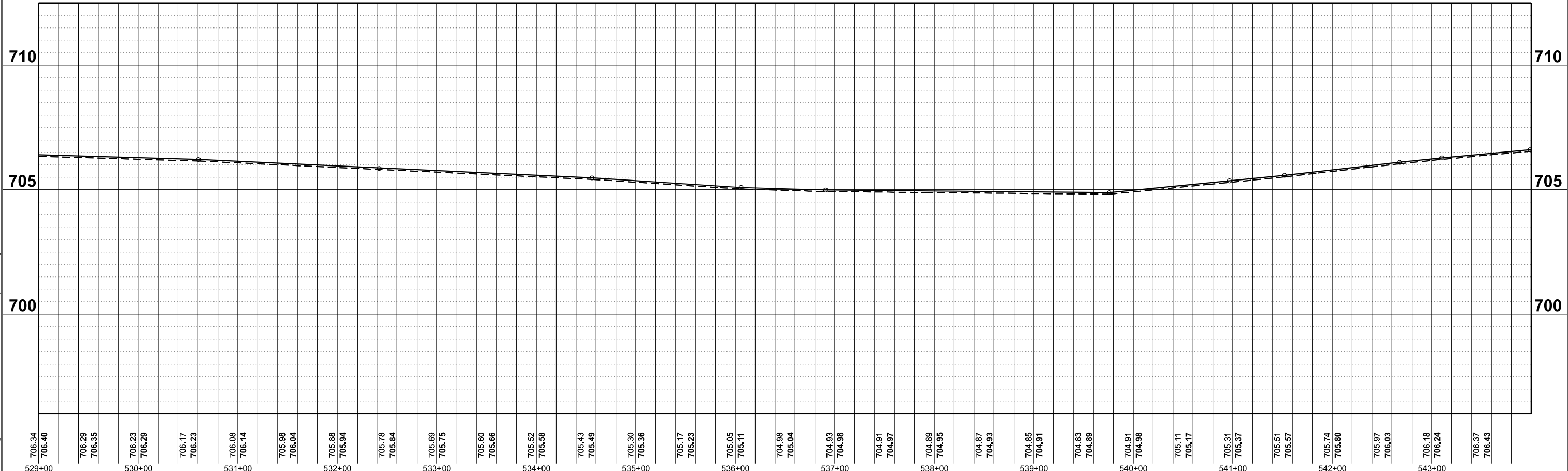
KAUTZ WILLIAM A LE & CARON LE

ANDERSON SUSAN WERNEKE

SEC 04, T13N, R12W, 2ND P.M.

SEC 04, T13N, R12W, 2ND P.M.

NOTES:
1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



706.34 529+00	706.40 706.29 706.35	706.23 706.29	706.17 706.23	706.08 706.14	705.98 706.04	705.88 705.94	705.78 705.84	705.69 705.75	705.60 705.66	705.52 705.58	705.43 705.49	705.30 705.36	705.17 705.23	705.05 705.11	704.98 705.04	704.93 704.98	704.91 704.97	704.89 704.95	704.87 704.93	704.85 704.91	704.83 704.89	704.91 704.98	705.11 705.17	705.31 705.37	705.51 705.57	705.74 705.80	705.97 706.03	706.18 706.24	706.37 706.43
529+00		530+00		531+00		532+00		533+00		534+00		535+00		536+00		537+00		538+00		539+00		540+00		541+00		542+00		543+00	

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DRAWN - MCE	REVISED -	
PLOT SCALE = 0.1666000' / in.	CHECKED - JWD	REVISED -
PLOT DATE = 5/6/2024	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL 133
PLAN & PROFILE
SCALE: 1"=50'
SHEET 42 OF 51 SHEETS
STA. 529+00 TO STA. 544+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-1,(14)CR	EDGAR	157	85
CONTRACT NO. 70C14			ILLINOIS FED. AID PROJECT STP-RURAL-ILL5(692)	

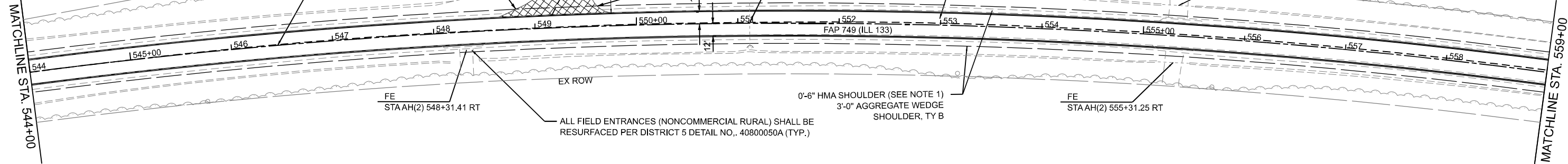
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SEC 33, T14N, R12W, 2ND P.M.

GUMM VIRGINIA

GOOD JOE REVOCABLE FAMILY TR

RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.

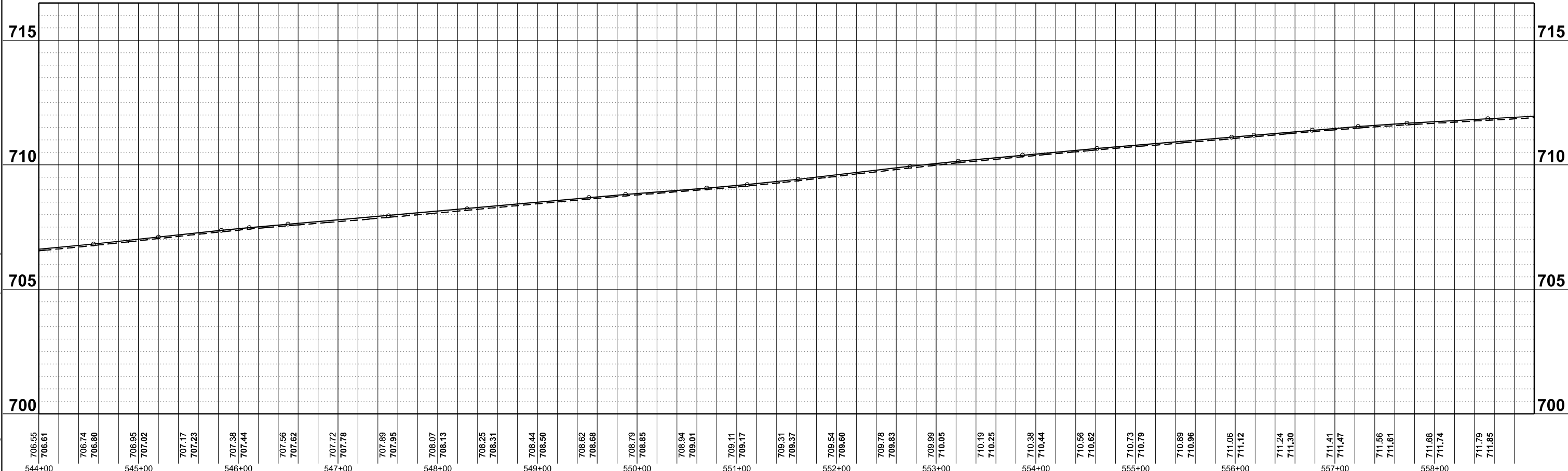


- INCIDENTAL HMA SURFACE
- HMA SURFACE REMOVAL- BUTT JOINT

KAUTZ WILLIAM A LE & CARON LE

SEC 04, T13N, R12W, 2ND P.M.

NOTES:
1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



706.55 544+00	706.61 544+00	706.74 545+00	706.80 545+00	706.95 546+00	707.02 546+00	707.17 547+00	707.23 547+00	707.38 548+00	707.44 548+00	707.56 549+00	707.62 549+00	707.72 550+00	707.78 550+00	707.89 551+00	707.95 551+00	708.07 552+00	708.13 552+00	708.25 553+00	708.31 553+00	708.44 554+00	708.50 554+00	708.62 555+00	708.68 555+00	708.79 556+00	708.85 556+00	708.94 557+00	709.01 557+00	709.11 558+00	709.17 558+00	709.31 559+00	709.37 559+00	709.54 560+00	709.60 560+00	709.78 561+00	709.83 561+00	709.99 562+00	710.05 562+00	710.19 563+00	710.25 563+00	710.38 564+00	710.44 564+00	710.56 565+00	710.62 565+00	710.73 566+00	710.79 566+00	710.89 567+00	710.96 567+00	711.06 568+00	711.12 568+00	711.24 569+00	711.30 569+00	711.41 570+00	711.47 570+00	711.56 571+00	711.61 571+00	711.68 572+00	711.74 572+00	711.79 573+00	711.85 573+00
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USER NAME = rhamon.burroughs	DESIGNED - RAB	REVISED -
DRAWN - MCE	REVISED -	
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PLOT DATE = 5/6/2024	DATE - 03/21/2024	REVISED -

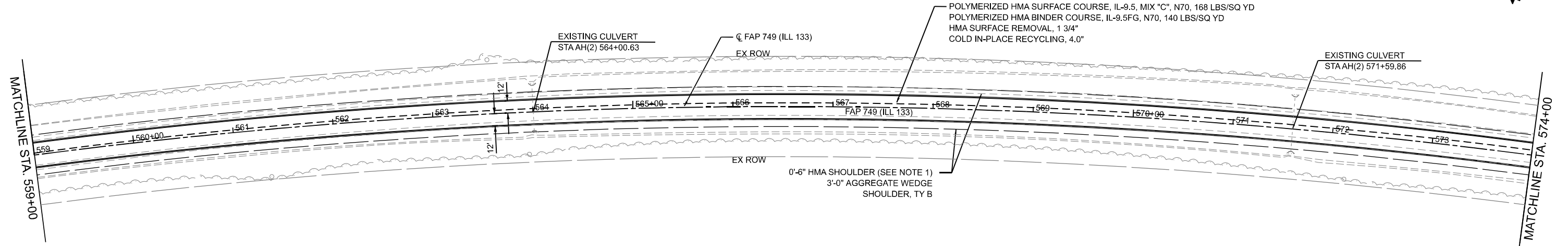
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL 133
PLAN & PROFILE

SCALE: 1"=50' SHEET 43 OF 51 SHEETS STA. 544+00 TO STA. 559+00

F.A.P. RTE. 749	SECTION (14)RS-3(122)RS-4,(14)CR	COUNTY EDGAR	TOTAL SHEETS 157	SHEET NO. 86
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-ILL(692)				

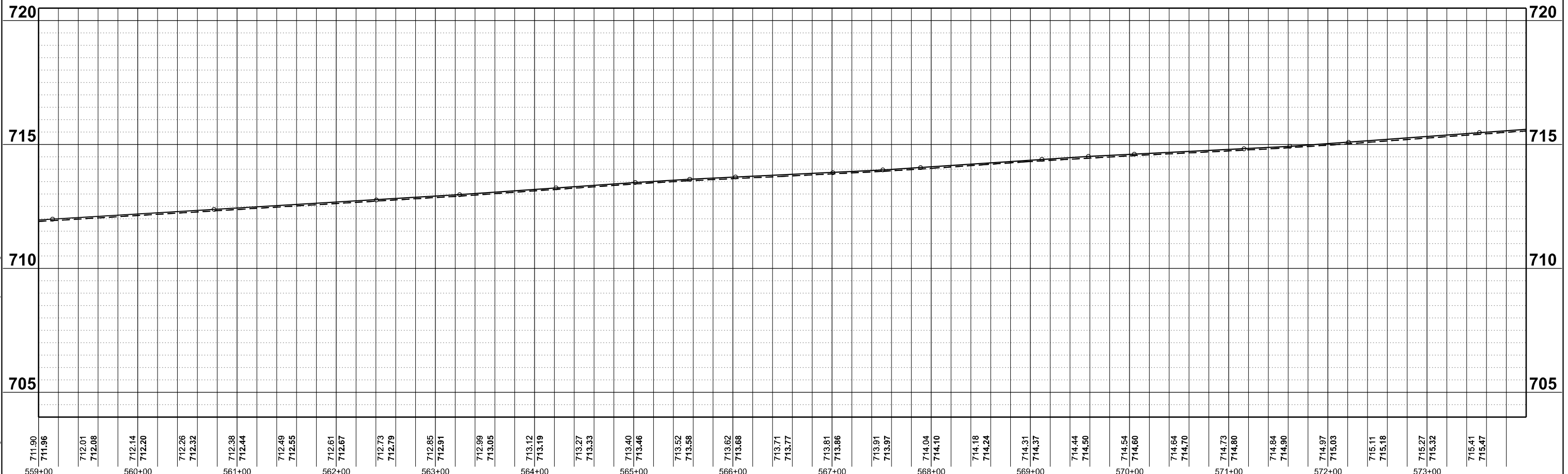
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INCIDENTAL HMA SURFACE
 HMA SURFACE REMOVAL-BUTT JOINT
 KAUTZ WILLIAM A LE & CARON LE
 SEC 04, T13N, R12W, 2ND P.M.

TROWBRIDGE DAVID L LE
 SEC 04, T13N, R12W, 2ND P.M.

NOTES:
 1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



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 © 2024 FEHR GRAHAM



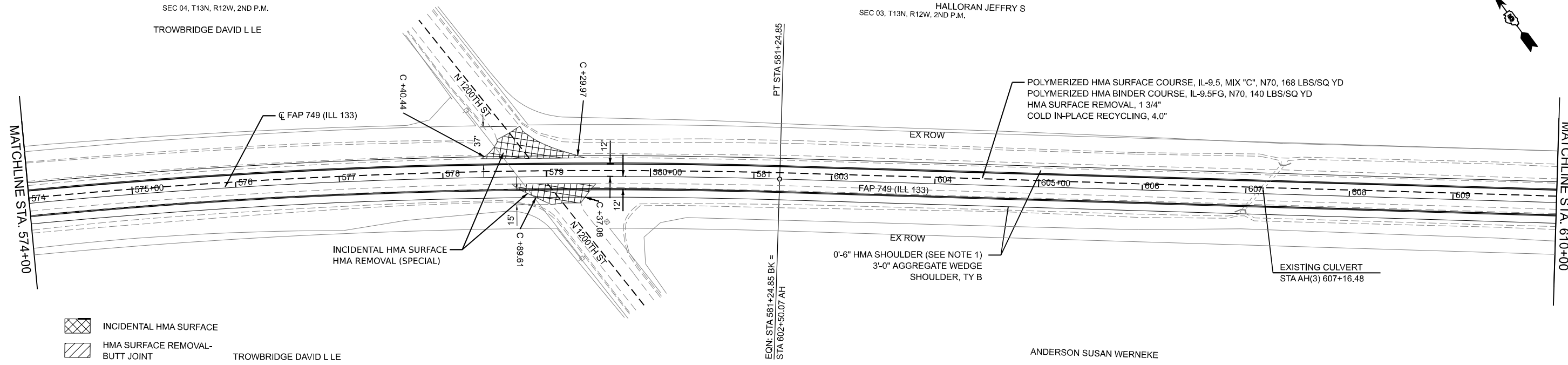
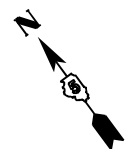
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DRAWN - MCE	REVISOR -	
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PLOT DATE = 5/6/2024	DATE - 03/21/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=50'	SHEET 44	OF 51 SHEETS	STA. 559+00	TO STA. 574+00
---------------	----------	--------------	-------------	----------------

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-1,(14)CR	EDGAR	157	87
CONTRACT NO. 70C14				
ILLINOIS		FED. AID PROJECT	STP-RURAL-ILL(5(692))	

RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.



- INCIDENTAL HMA SURFACE
- HMA SURFACE REMOVAL- BUTT JOINT

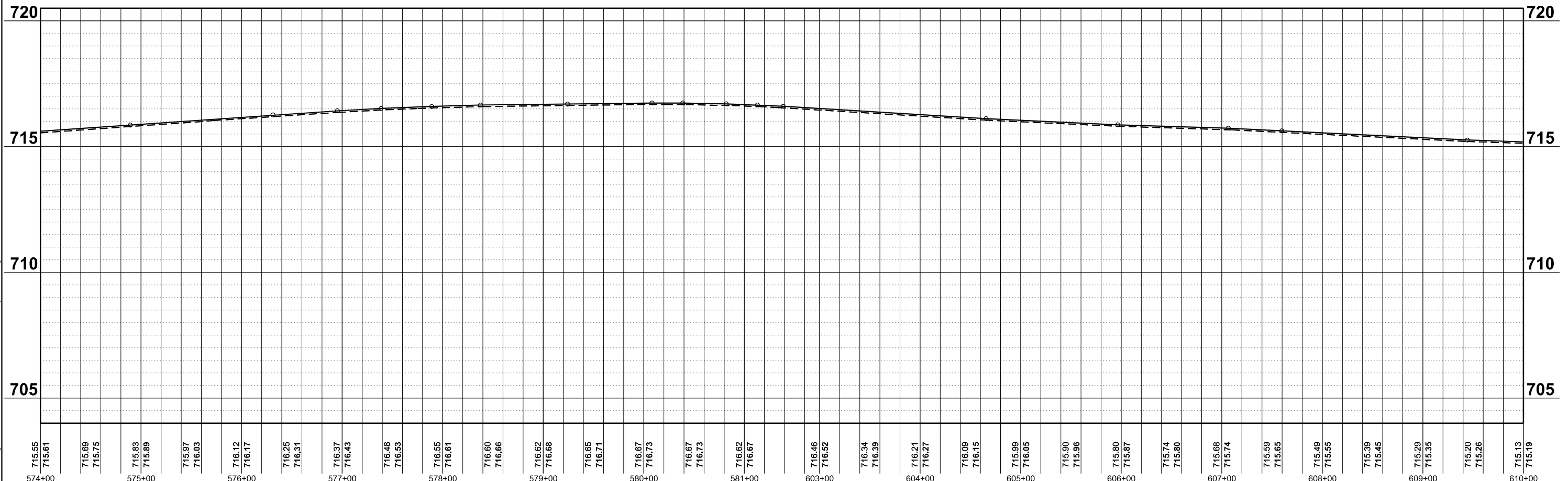
TROWBRIDGE DAVID L LE

SEC 04, T13N, R12W, 2ND P.M.

ANDERSON SUSAN WERNEKE

SEC 03, T13N, R12W, 2ND P.M.

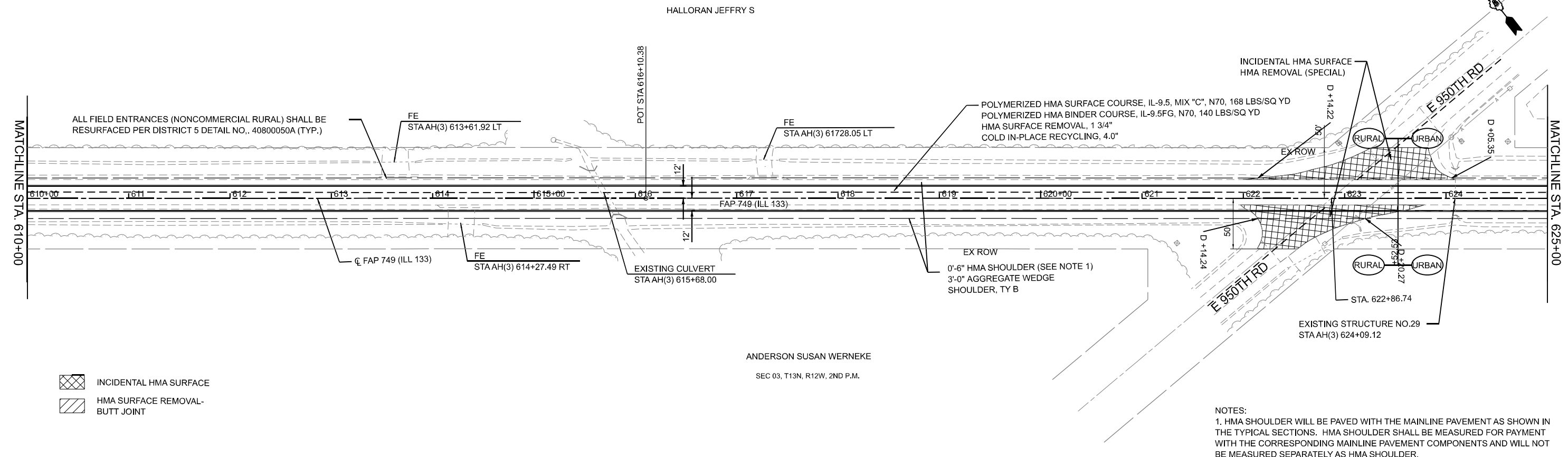
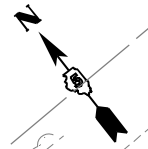
NOTES:
1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



<p>FEHR GRAHAM ENGINEERING & ENVIRONMENTAL 1100 S. ROCKFORD AVENUE, SUITE 100 ROCKFORD, IL 61102 TEL: 815.398.1100 WWW.FEHRGRAHAM.COM</p>	<p>USER NAME = rhammon, burroughs DESIGNED - RAB DRAWN - MCE CHECKED - JWD DATE - 03/21/2024</p>	<p>REVISIONS REVISED - REVISED - REVISED - REVISED -</p>	<p>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p>ILL 133 PLAN & PROFILE</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>F.A.P. RTE.</th> <th>SECTION</th> <th>COUNTY</th> <th>TOTAL SHEETS</th> <th>SHEET NO.</th> </tr> <tr> <td>749</td> <td>(14)RS-3(122)RS-4,(14)CR</td> <td>EDGAR</td> <td>157</td> <td>88</td> </tr> </table> <p>CONTRACT NO. 70C14</p>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	88
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.											
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	88											
			SCALE: 1"=50'	SHEET 45 OF 51 SHEETS	STA. 574+00 TO STA. 610+00										

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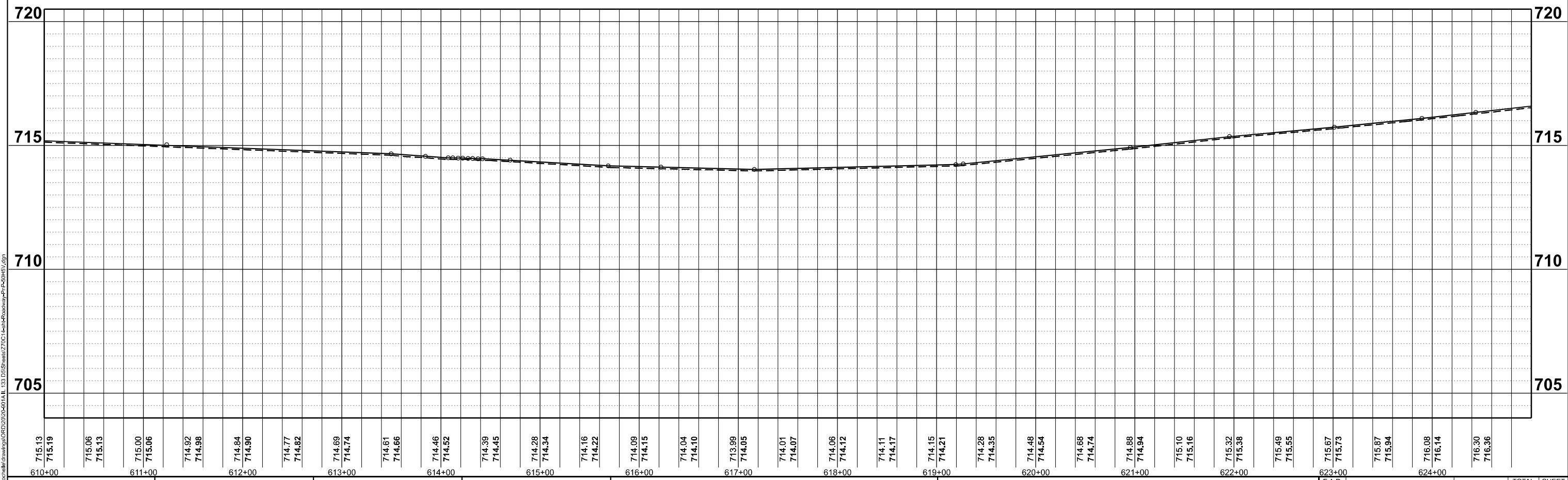
RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.



- INCIDENTAL HMA SURFACE
- HMA SURFACE REMOVAL- BUTT JOINT

ANDERSON SUSAN WERNEKE
SEC 03, T13N, R12W, 2ND P.M.

NOTES:
1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



USER NAME = rhamon.burroughs	DESIGNED - RAB	REVISED
PLOT SCALE = 0.16660000' / in.	DRAWN - MCE	REVISED -
PLOT DATE = 5/6/2024	CHECKED - JWD	REVISED -
	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

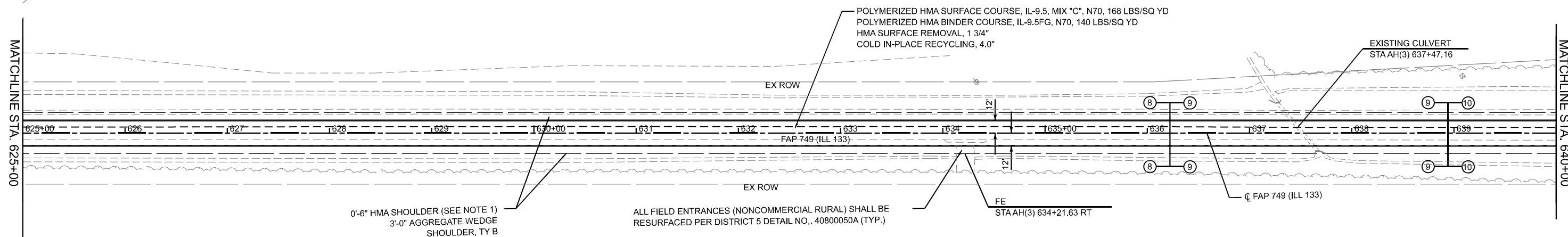
ILL 133	
PLAN & PROFILE	
SCALE: 1"=50'	SHEET 46 OF 51 SHEETS
STA. 610+00	TO STA. 625+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	89
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-ILL5(692)				

MODEL: ILL133_C14_Plan_46 (Sheet)
FILE NAME: \\c:\work\illinois\70C14\133_DSS\Sheet270C14_Plan_46.dwg
DATE: 5/6/2024

BECKS SUPERIOR HYBRIDS INC

RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.



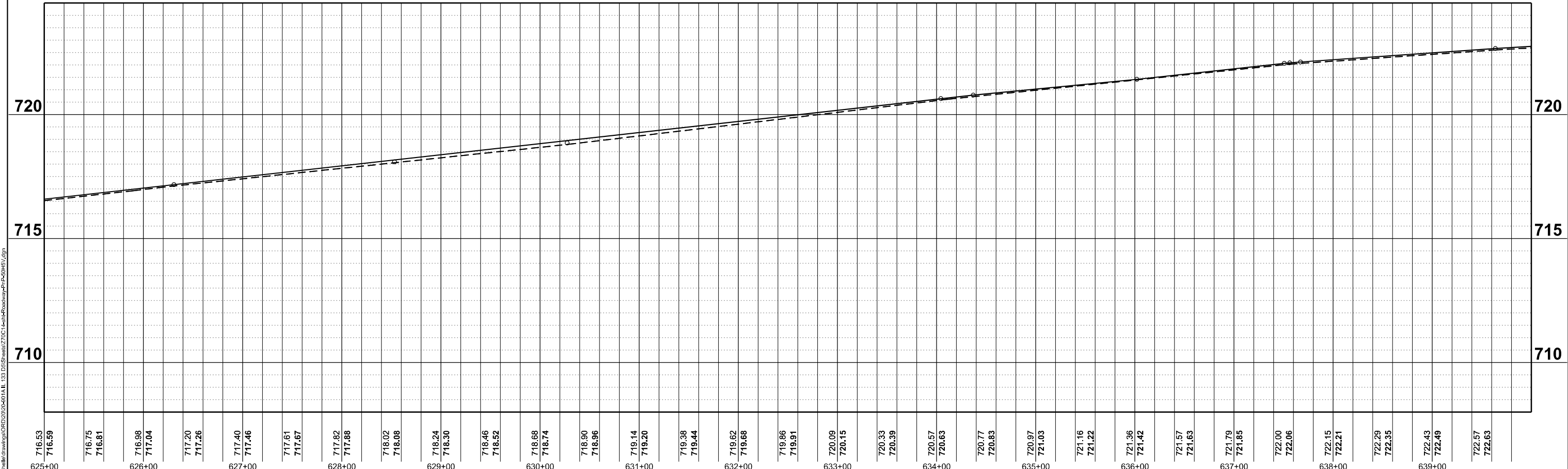
0'-6" HMA SHOULDER (SEE NOTE 1)
3'-0" AGGREGATE WEDGE
SHOULDER, TY B

ALL FIELD ENTRANCES (NONCOMMERCIAL RURAL) SHALL BE
RESURFACED PER DISTRICT 5 DETAIL NO. 40800050A (TYP.)

BARKLEY DALE E TRUST &
SEC 03, T13N, R12W, 2ND P.M.

- INCIDENTAL HMA SURFACE
- HMA SURFACE REMOVAL-
BUTT JOINT

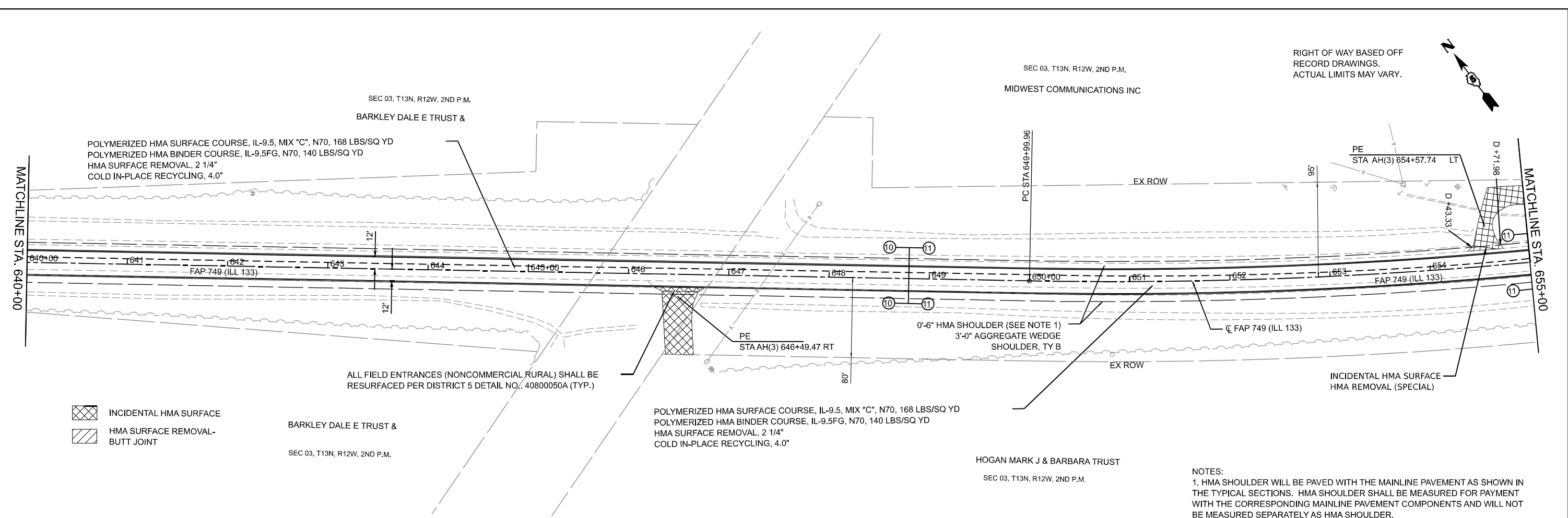
NOTES:
1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN
THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT
WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT
BE MEASURED SEPARATELY AS HMA SHOULDER.



<p>MODEL: ILL133_C1-4_P1m_17 (Rev. 1)</p> <p>FILE NAME: \\c:\work\engineering\2024\03\04\014.ILL133.DS\sheet270C1-4-14-Roadway-Profile.dgn</p>	<p>USER NAME = rhammon.burroughs</p> <p>DESIGNED - RAB</p> <p>DRAWN - MCE</p> <p>CHECKED - JWD</p> <p>DATE - 03/21/2024</p>	<p>DESIGNED - RAB</p> <p>REVISOR -</p> <p>REVISOR -</p> <p>REVISOR -</p> <p>REVISOR -</p>	<p>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p>ILL 133 PLAN & PROFILE</p>	<p>F.A.P. RTE. 749</p> <p>SECTION (14)RS-3(122)RS-4,(14CR)</p> <p>COUNTY EDGAR</p> <p>TOTAL SHEETS 157</p> <p>SHEET NO. 90</p> <p>CONTRACT NO. 70C14</p>	<p>SCALE: 1"=50'</p> <p>SHEET 47 OF 51 SHEETS</p> <p>STA. 625+00 TO STA. 640+00</p>	<p>ILLINOIS FED. AID PROJECT STP-RURAL-ILL5(692)</p>
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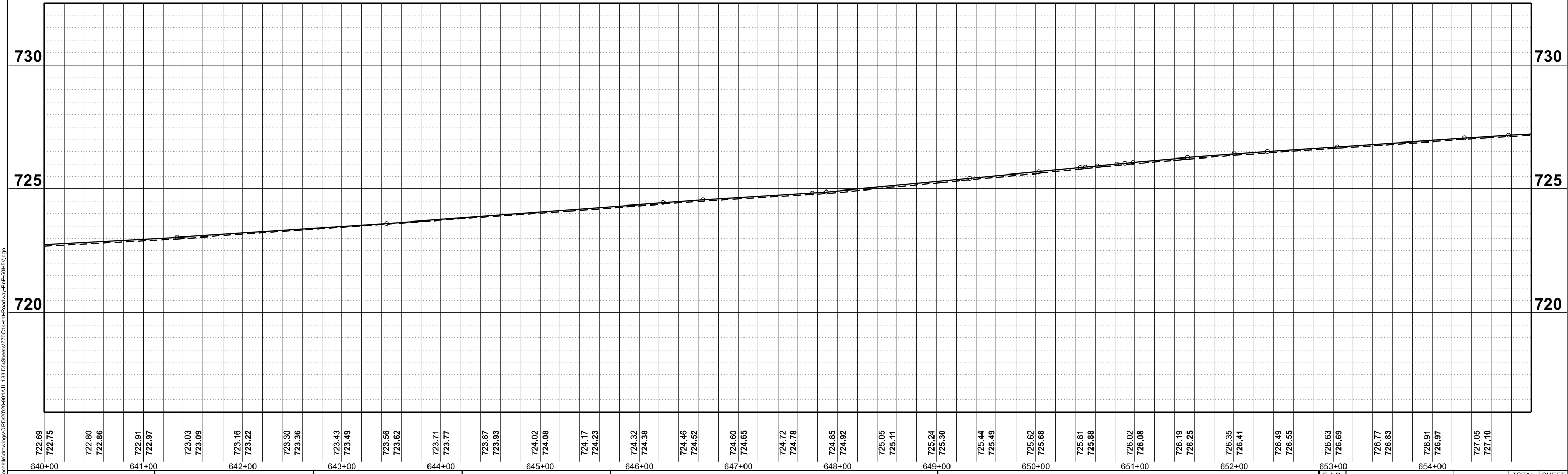


RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.



NOTES:
1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.

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DATE: 5/6/2024



FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL
LUNOS DESIGN FIRM NO. 181-93325
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USER NAME = rhamon.burroughs	DESIGNED - RAB	REVISED
PLOT SCALE = 0.1666000' / in.	DRAWN - MCE	REVISED -
PLOT DATE = 5/6/2024	CHECKED - JWD	REVISED -
	DATE - 03/21/2024	REVISED -

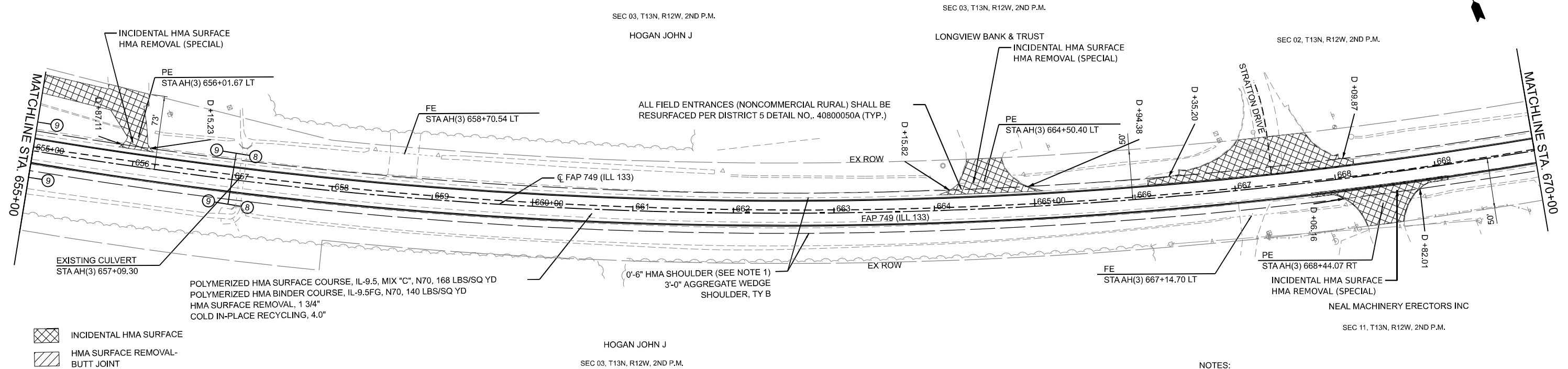
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILL 133
PLAN & PROFILE**

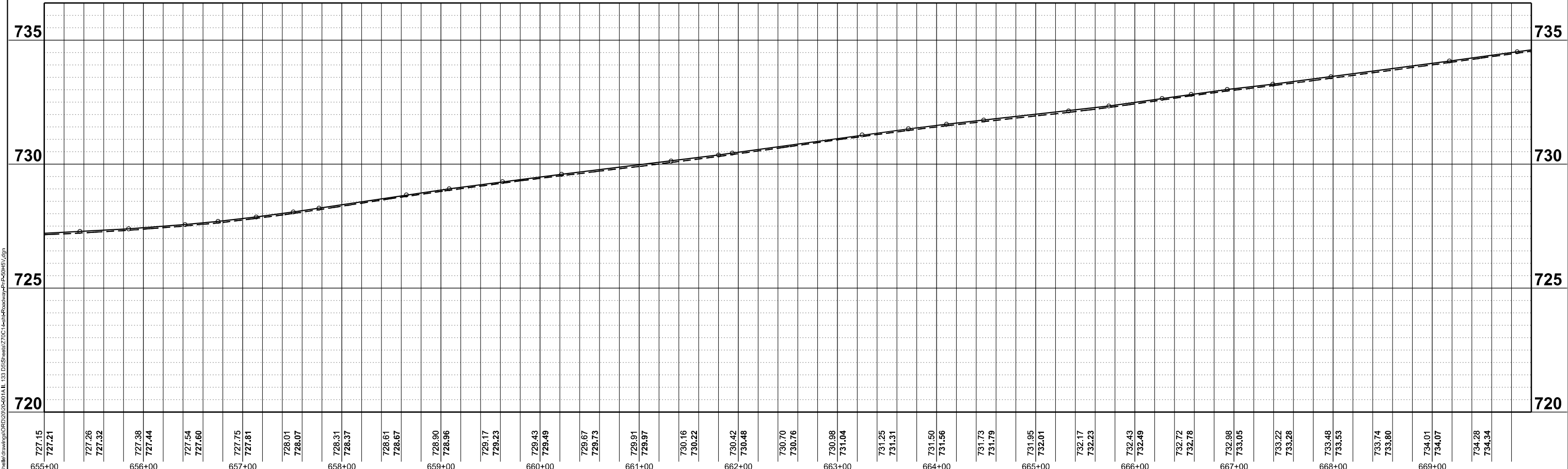
SCALE: 1"=50' SHEET 48 OF 51 SHEETS STA. 640+00 TO STA. 655+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	91
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-ILL5(692)				

RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.



NOTES:
1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



727.15 655+00	727.21 655+00	727.26 655+00	727.32 655+00	727.38 656+00	727.44 656+00	727.54 656+00	727.60 656+00	727.75 657+00	727.81 657+00	728.01 657+00	728.07 657+00	728.31 658+00	728.37 658+00	728.61 658+00	728.67 658+00	728.90 659+00	728.96 659+00	729.17 659+00	729.23 659+00	729.43 660+00	729.49 660+00	729.67 660+00	729.73 660+00	729.91 661+00	729.97 661+00	730.16 661+00	730.22 661+00	730.42 662+00	730.48 662+00	730.70 662+00	730.76 662+00	730.98 663+00	731.04 663+00	731.25 663+00	731.31 663+00	731.50 664+00	731.56 664+00	731.73 664+00	731.79 664+00	731.95 665+00	732.01 665+00	732.17 665+00	732.23 665+00	732.43 666+00	732.49 666+00	732.72 666+00	732.78 666+00	732.98 667+00	733.05 667+00	733.22 667+00	733.28 667+00	733.48 668+00	733.53 668+00	733.74 668+00	733.80 668+00	734.01 669+00	734.07 669+00	734.28 669+00	734.34 669+00
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FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL
LTD. 2024 F.E.H.R. GRAHAM

USER NAME = rhamonburroughs	DESIGNED - RAB	REVISED
PLOT SCALE = 0.16660000' / in.	DRAWN - MCE	REVISED -
PLOT DATE = 5/6/2024	CHECKED - JWD	REVISED -
	DATE - 03/21/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILL 133
PLAN & PROFILE**

SCALE: 1"=50' SHEET 49 OF 51 SHEETS STA. 655+00 TO STA. 670+00

F.A.P. RTE. 749	SECTION (14)RS-3(122)RS-4,(14)CR	COUNTY EDGAR	TOTAL SHEETS 157	SHEET NO. 92
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-ILL5(692)				

RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.

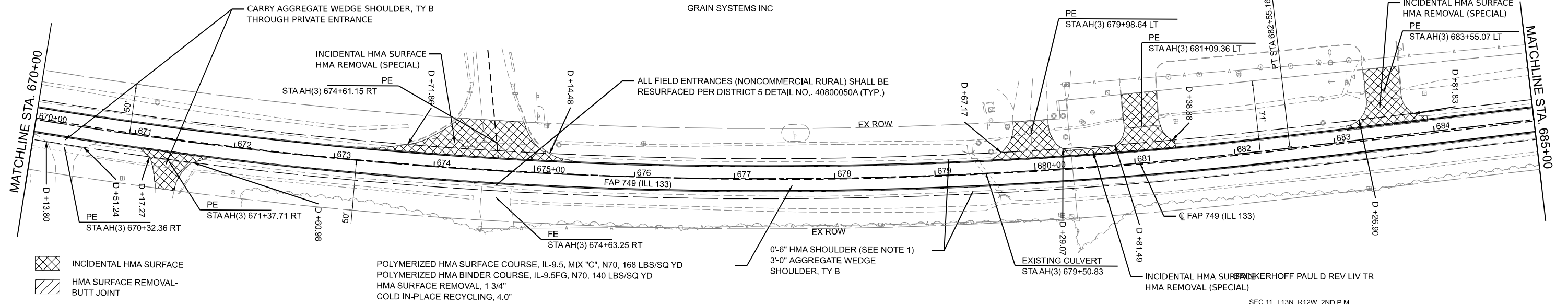
SEC 02, T13N, R12W, 2ND P.M.

BARDO INVESTMENTS LLC

GSI GROUP, LLC
SEC 02, T13N, R12W, 2ND P.M.

SEC 02, T13N, R12W, 2ND P.M.

GRAIN SYSTEMS INC



- INCIDENTAL HMA SURFACE
- HMA SURFACE REMOVAL-BUTT JOINT

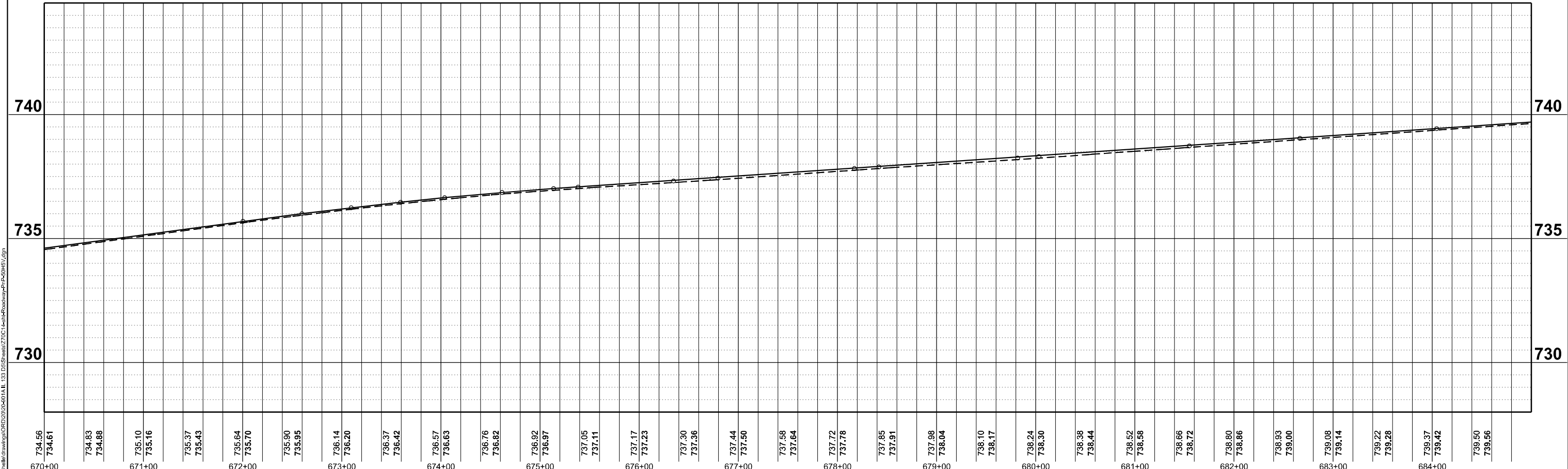
POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "C", N70, 168 LBS/SQ YD
POLYMERIZED HMA BINDER COURSE, IL-9.5FG, N70, 140 LBS/SQ YD
HMA SURFACE REMOVAL, 1 3/4"
COLD IN-PLACE RECYCLING, 4.0"

CO-ALLIANCE, INDIANA LLP
SEC 11, T13N, R12W, 2ND P.M.

MARRS LARRY D & BONNIE J
SEC 11, T13N, R12W, 2ND P.M.

SEC 11, T13N, R12W, 2ND P.M.

NOTES:
1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



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LLP
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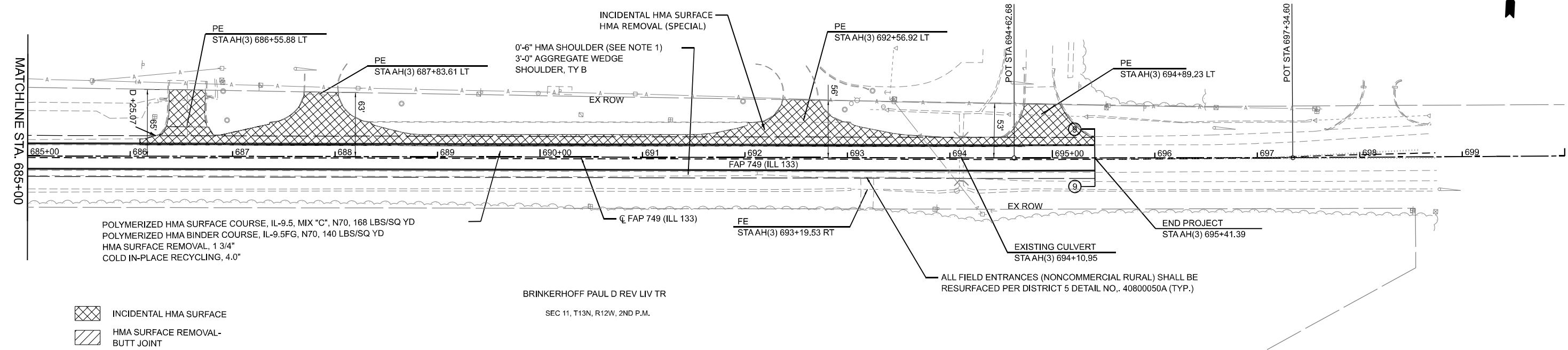
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PLATE DATE = 5/6/2024	CHECKED - JWD	REVISED -
	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL 133
PLAN & PROFILE
SCALE: 1"=50'
SHEET 50 OF 51 SHEETS
STA. 670+00 TO STA. 685+00

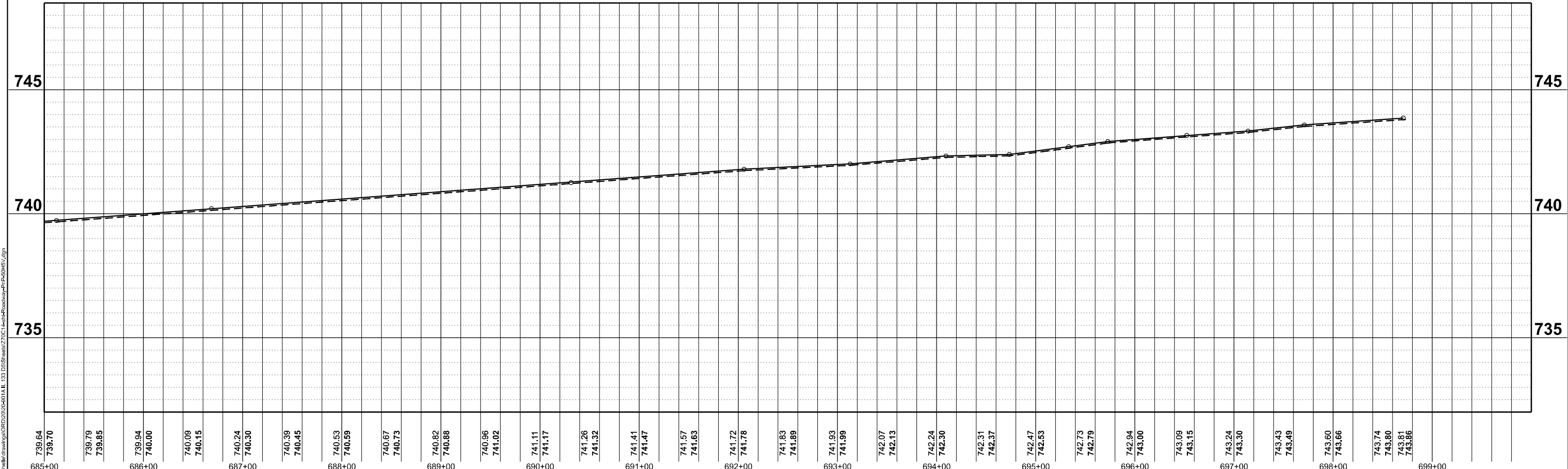
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	93
CONTRACT NO. 70C14				
ILLINOIS FED.AID PROJECT STP-RURAL-ILL5(692)				

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- INCIDENTAL HMA SURFACE
- HMA SURFACE REMOVAL-BUTT JOINT

NOTES:
1. HMA SHOULDER WILL BE PAVED WITH THE MAINLINE PAVEMENT AS SHOWN IN THE TYPICAL SECTIONS. HMA SHOULDER SHALL BE MEASURED FOR PAYMENT WITH THE CORRESPONDING MAINLINE PAVEMENT COMPONENTS AND WILL NOT BE MEASURED SEPARATELY AS HMA SHOULDER.



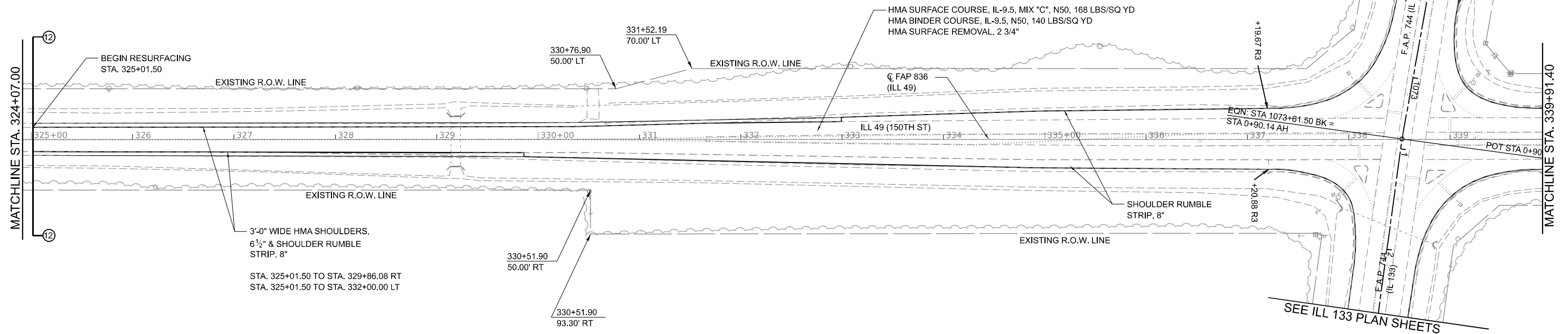
Fehr Graham ENGINEERING & ENVIRONMENTAL ILLINOIS DESIGN FIRM NO. 181-003325 © 2024 FEHR GRAHAM	USER NAME = rhamon.burroughs	DESIGNED - RAB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ILL 133 PLAN & PROFILE	SCALE: 1"=50'	SHEET 51 OF 51 SHEETS	STA. 685+00 TO STA. 700+00	COUNTY: EDGAR	TOTAL SHEETS: 157	SHEET NO.: 94
	PLOT SCALE = 0.16660000' / in.	DRAWN - MCE	REVISED -						CONTRACT NO. 70C14		
	PLOT DATE = 5/6/2024	CHECKED - JWD	REVISED -						ILLINOIS FED. AID PROJECT STP-RURAL-ILL5(692)		
		DATE - 03/21/2024	REVISED -								

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SEC. 23, T14N, R14W, 2nd P.M.



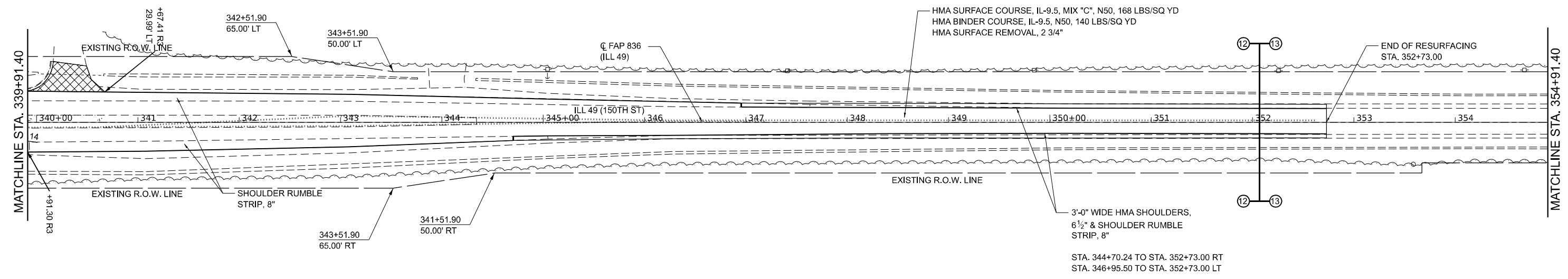
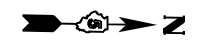
SEE ILL 133 PLAN SHEETS



SEC. 23, T14N, R14W, 2nd P.M.

HMA SURFACE REMOVAL, SPECIAL (1 1/2") & INCIDENTAL TO HMA SURFACE

SEC. 23, T14N, R14W, 2nd p.m.



SEC. 23, T14N, R14W, 2nd p.m.

HMA SURFACE REMOVAL, SPECIAL (1 1/2") & INCIDENTAL TO HMA SURFACE

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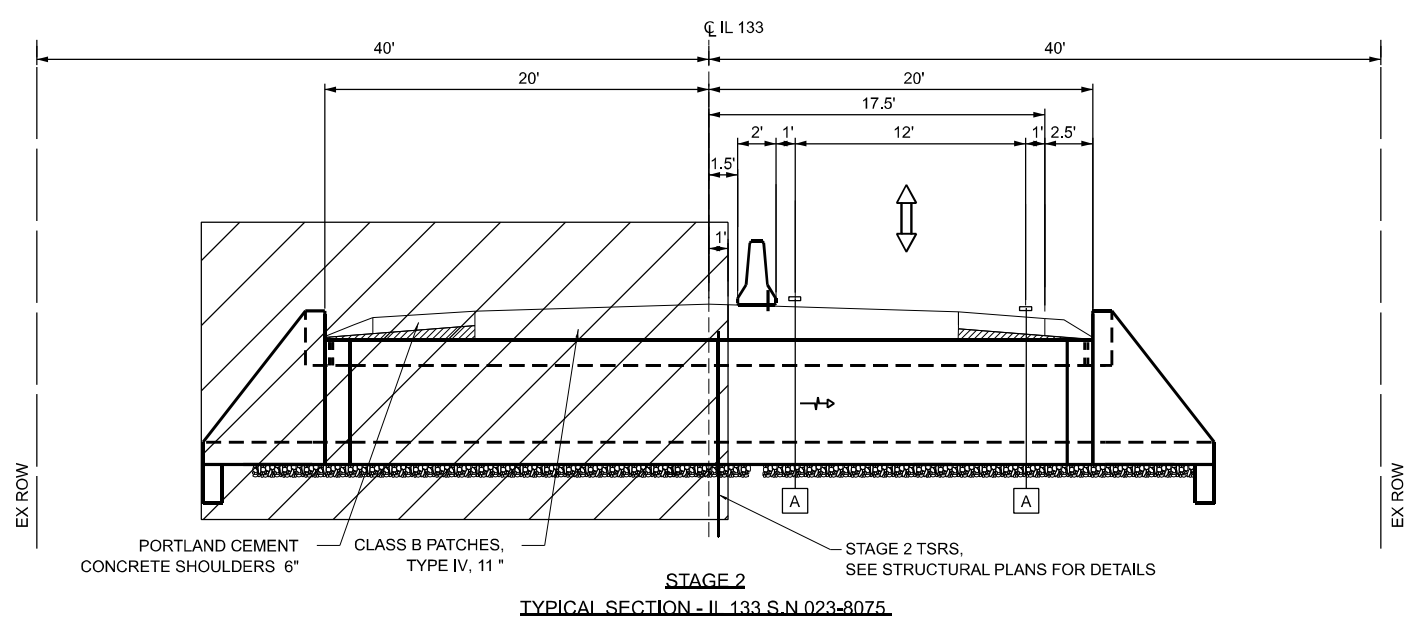
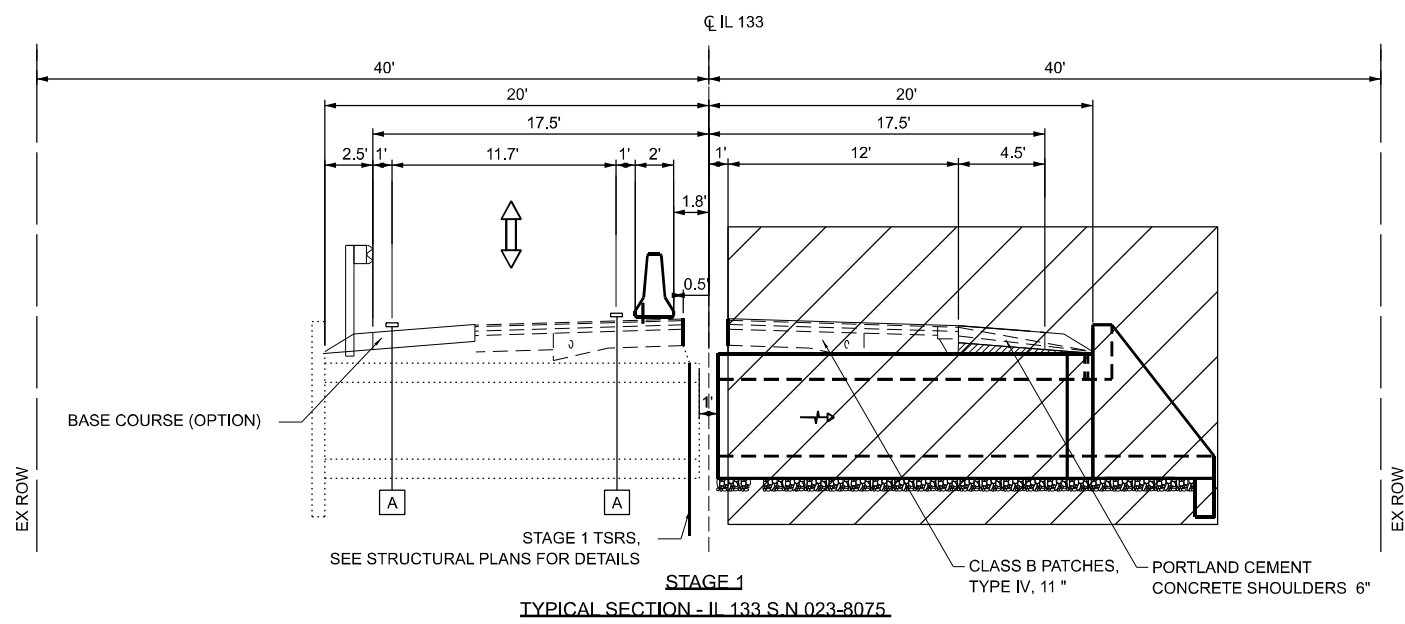
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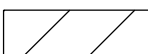




STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 836 (IL 49)
PLAN SHEETS

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 325+01.50 TO STA. 352+73.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	95
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-WL5(692)				



- LEGEND**
-  WORK ZONE
 -  DIRECTION OF TRAFFIC
 -  TEMPORARY CONCRETE BARRIER (PINNED)
 -  TEMPORARY GUARDRAIL
 -  TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE

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AEG ATLAS ENGINEERING GROUP, LTD.

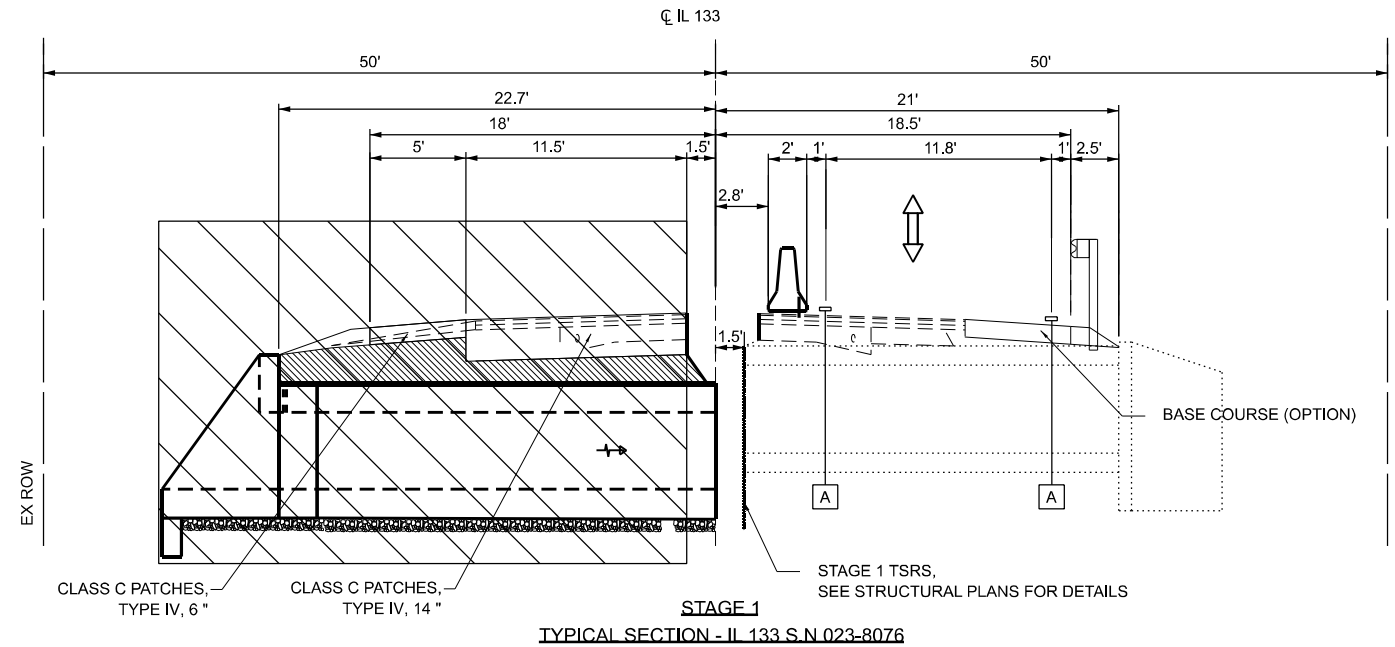
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PLOT DATE = 3/21/2024	CHECKED - PK	REVISED -
	DATE - 03/15/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

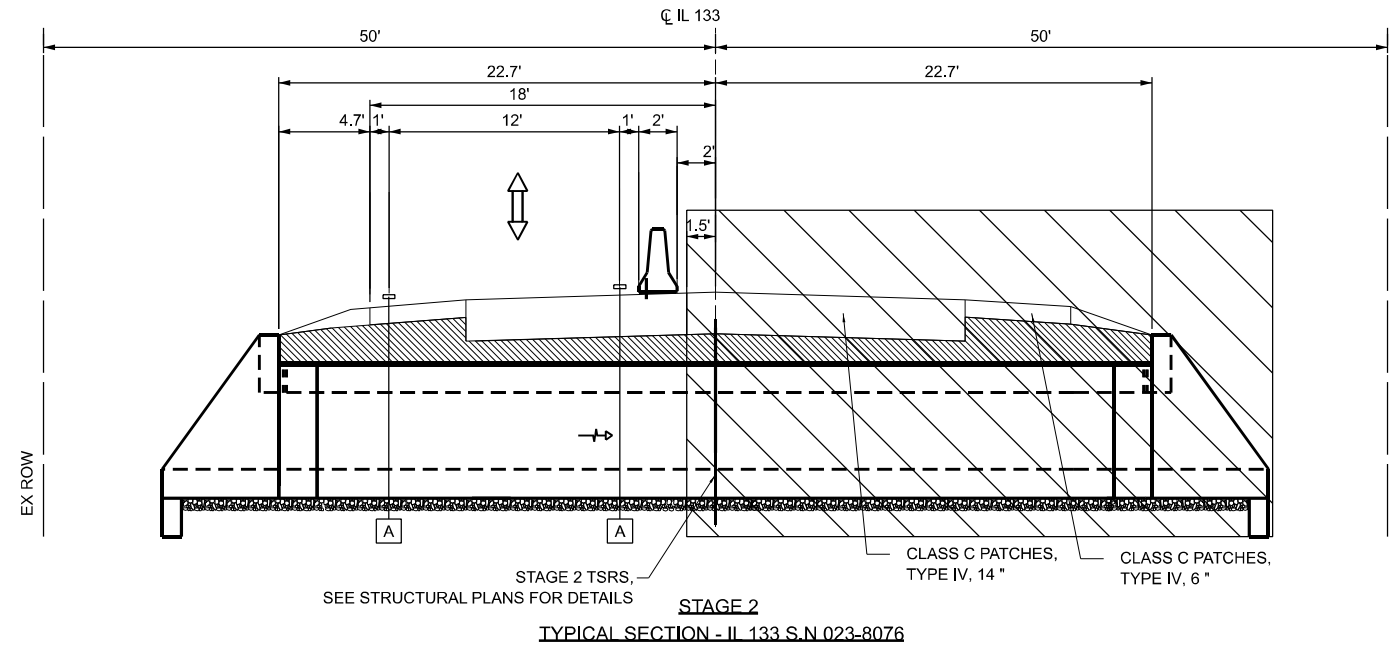
**SUGGESTED STAGES OF CONSTRUCTION
STAGING TYPICALS S.N. 023-8075**

SCALE: 1"=5' SHEET 1 OF 10 SHEETS STA. ___+___ TO STA. ___+___

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14CR)	EDGAR	157	96
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT				








TYPICAL SECTION - IL 133 S.N.023-8076



TYPICAL SECTION - IL 133 S.N.023-8076

LEGEND

-  WORK ZONE
-  DIRECTION OF TRAFFIC
-  TEMPORARY CONCRETE BARRIER (PINNED)
-  TEMPORARY GUARDRAIL
-  TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE

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USER NAME = njoseph	DESIGNED - NJ	REVISED -
	DRAWN - NJ	REVISED -
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PLOT DATE = 3/21/2024	DATE - 03/15/2024	REVISED -

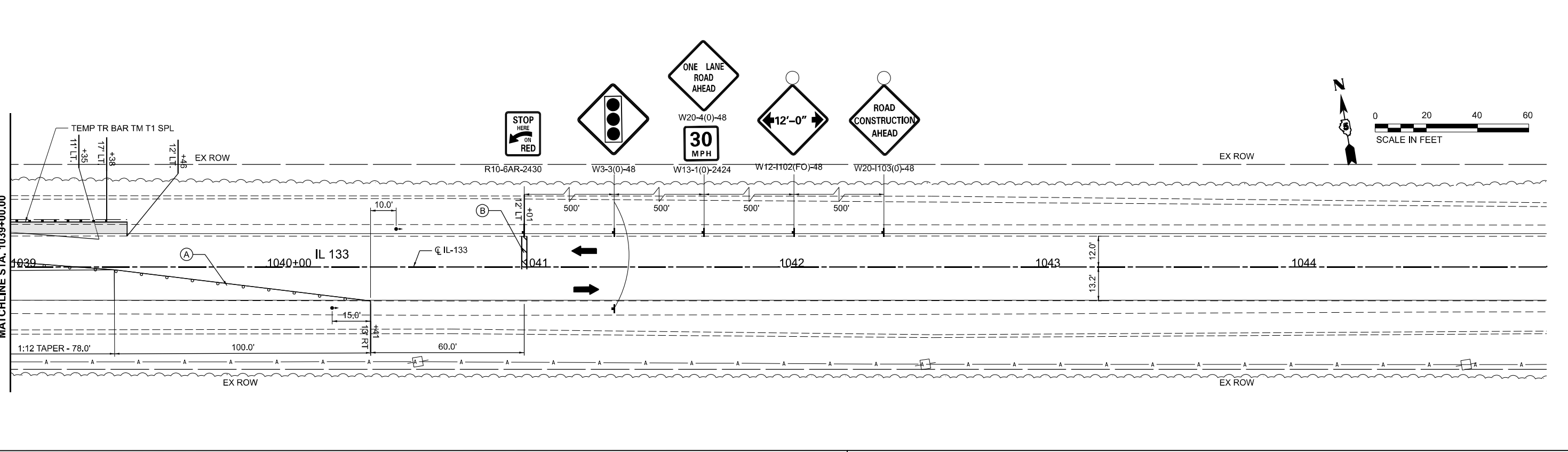
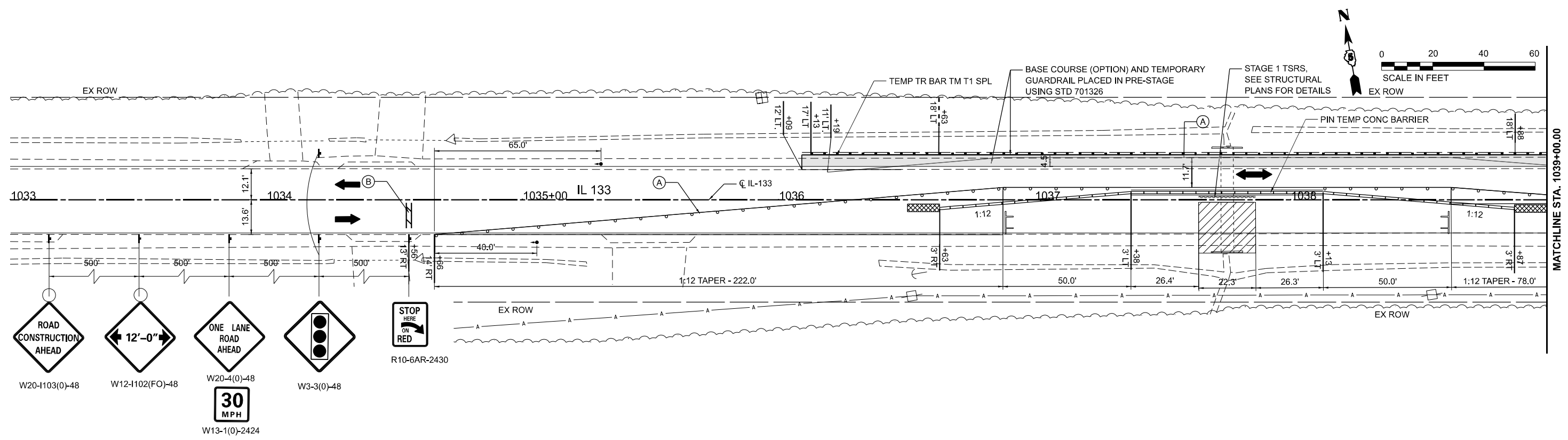
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION
STAGING TYPICALS S.N. 023-8076**

SCALE: 1"=5'

SHEET 2 OF 10 SHEETS STA. ___+___ TO STA. ___+___

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14CR)	EDGAR	157	97
CONTRACT NO. 70C14			ILLINOIS FED. AID PROJECT	



MOT LEGEND

	WORK ZONE		IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3		TEMPORARY RUMBLE STRIPS
	BASE COURSE (OPTION)		TEMPORARY BRIDGE TRAFFIC SIGNALS		TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE
	TEMPORARY CONCRETE BARRIER		TYPE III BARRICADE		TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE
	TEMPORARY CONCRETE BARRIER PINNED		DRUM / DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT AT 25'		
	TEMPORARY STEEL PLATE BEAM GUARDRAIL, TYPE A				

MOT NOTES

1. WIDTH RESTRICTION SIGNING SHALL BE PLACED AT EACH END OF THE PROJECT, ALONG IL ROUTE 133, AT SUFFICIENT DISTANCE TO PROVIDE MOTORISTS WITH ADEQUATE WARNING. EXACT PLACEMENT SHALL BE DETERMINED BY THE ENGINEER.
2. WIDTH RESTRICTION SIGNING SHALL FOLLOW DISTRICT 5 DETAIL NO. X7200201 AND SHALL STATE A WIDTH OF 12' 0" FOR STAGE 1 AND STAGE 2
3. MAINTENANCE OF TRAFFIC SHALL FOLLOW IDOT STD 701321 AND THESE PLANS.
4. THE CONTRACTOR SHALL MAINTAIN ACCESS TO THE FIELD ENTRANCE AT ALL TIMES
5. FOR TEMPORARY TRAFFIC SIGNAL AND DETECTOR LOOP DETAILS FOLLOW IDOT STD 701321
6. EARTHWORK REQUIRED FOR THE CONSTRUCTION OF BASE COURSE (OPTION) WILL BE PAID FOR AS EXCAVATING AND GRADING EXISTING SHOULDER. GRADED AREA WILL BE COVERED WITH TOPSOIL AND SEEDING, CLASS 2A.
7. GUARDRAIL REFLECTORS, TYPE B SHALL BE PLACED 25' CTRS ALONG THE TEMPORARY GUARDRAIL AND TEMPORARY CONCRETE BARRIER.

MODEL: IL133_Signage_LOC1 - Plan 1 (Sheet)
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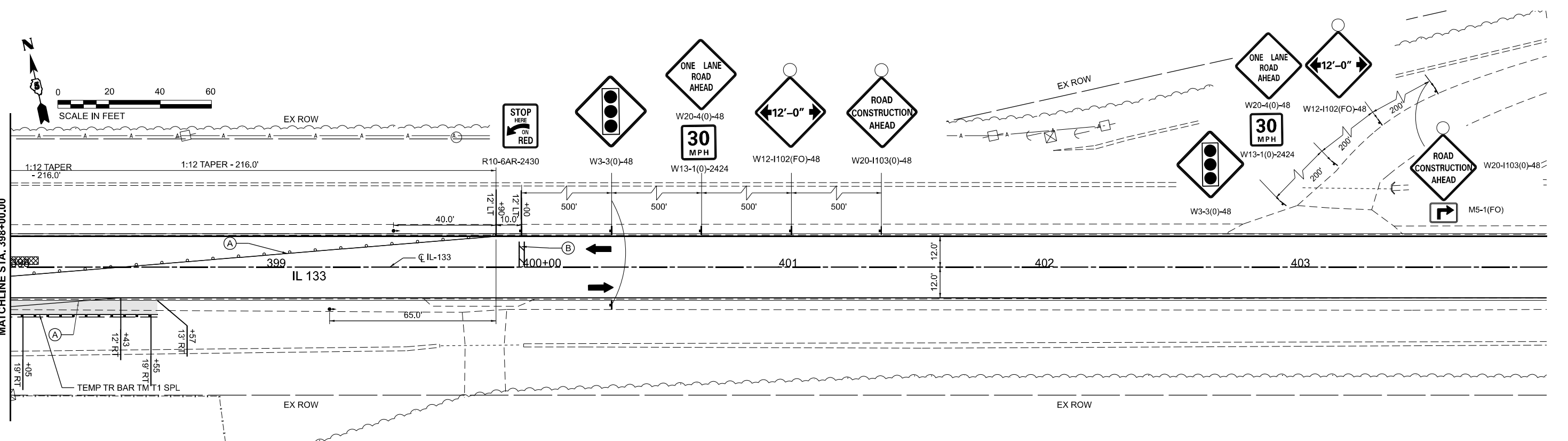
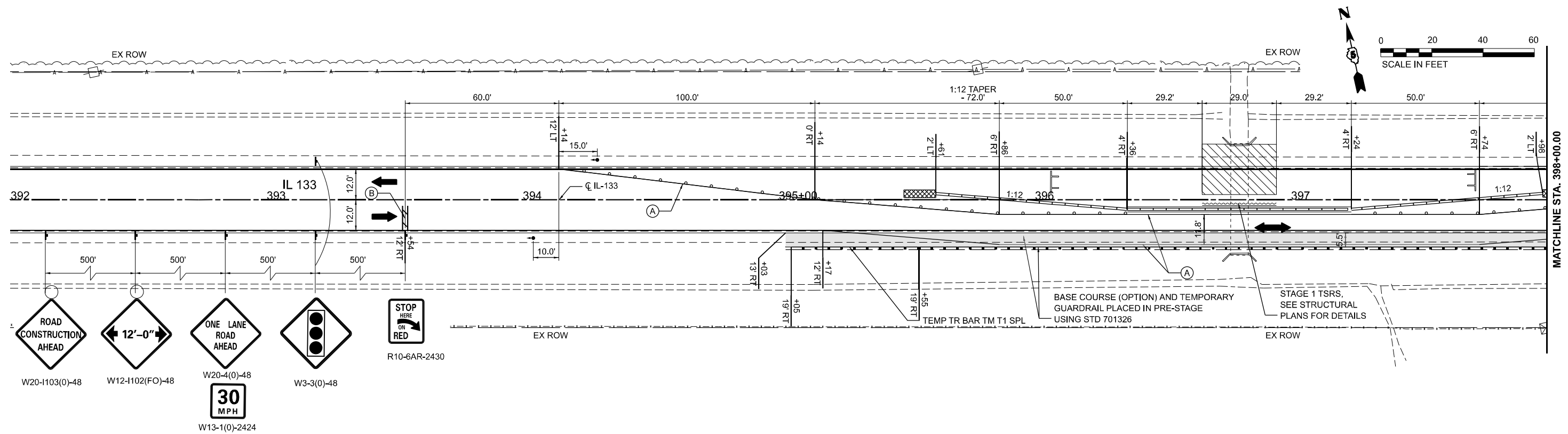
USER NAME	= njoseph
PLOT SCALE	= 0.166666633' / in.
PLOT DATE	= 3/21/2024

DESIGNED	- NJ	REVISED	-
DRAWN	- NJ	REVISED	-
CHECKED	- PK	REVISED	-
DATE	- 03/15/2024	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION			
STAGE 1 S.N. 023-8075			
SCALE: 1"=20'	SHEET 3	OF 10 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	98
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT				



MOT LEGEND

	WORK ZONE		IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3		TEMPORARY RUMBLE STRIPS
	BASE COURSE (OPTION)		TEMPORARY BRIDGE TRAFFIC SIGNALS		TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE
	TEMPORARY CONCRETE BARRIER		TYPE III BARRICADE		TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE
	TEMPORARY CONCRETE BARRIER PINNED		DRUM / DRUM WITH STEADY BURN		
	TEMPORARY STEEL PLATE BEAM GUARDRAIL, TYPE A		BI-DIRECTIONAL LIGHT AT 25'		

- ### MOT NOTES
- WIDTH RESTRICTION SIGNING SHALL BE PLACED AT EACH END OF THE PROJECT, ALONG IL ROUTE 133, AT SUFFICIENT DISTANCE TO PROVIDE MOTORISTS WITH ADEQUATE WARNING. EXACT PLACEMENT SHALL BE DETERMINED BY THE ENGINEER.
 - WIDTH RESTRICTION SIGNING SHALL FOLLOW DISTRICT 5 DETAIL NO. X7200201 AND SHALL STATE A WIDTH OF 12' 0" FOR STAGE 1 AND STAGE 2
 - MAINTENANCE OF TRAFFIC SHALL FOLLOW IDOT STD 701321 AND THESE PLANS.
 - THE CONTRACTOR SHALL MAINTAIN ACCESS TO THE FIELD ENTRANCE AT ALL TIMES
 - FOR TEMPORARY TRAFFIC SIGNAL AND DETECTOR LOOP DETAILS FOLLOW IDOT STD 701321
 - EARTHWORK REQUIRED FOR THE CONSTRUCTION OF BASE COURSE (OPTION) WILL BE PAID FOR AS EXCAVATING AND GRADING EXISTING SHOULDER. GRADED AREA WILL BE COVERED WITH TOPSOIL AND SEEDING, CLASS 2A.
 - GUARDRAIL REFLECTORS, TYPE B SHALL BE PLACED 25' CTRS ALONG THE TEMPORARY GUARDRAIL AND TEMPORARY CONCRETE BARRIER.

MODEL: IL133_Stage1_LOCC_Plan3
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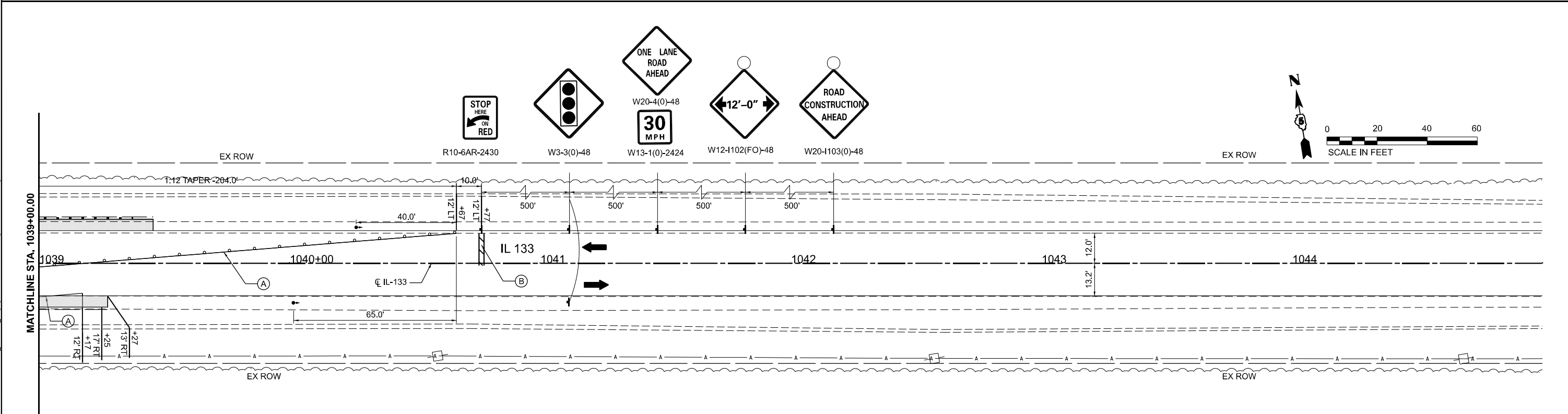
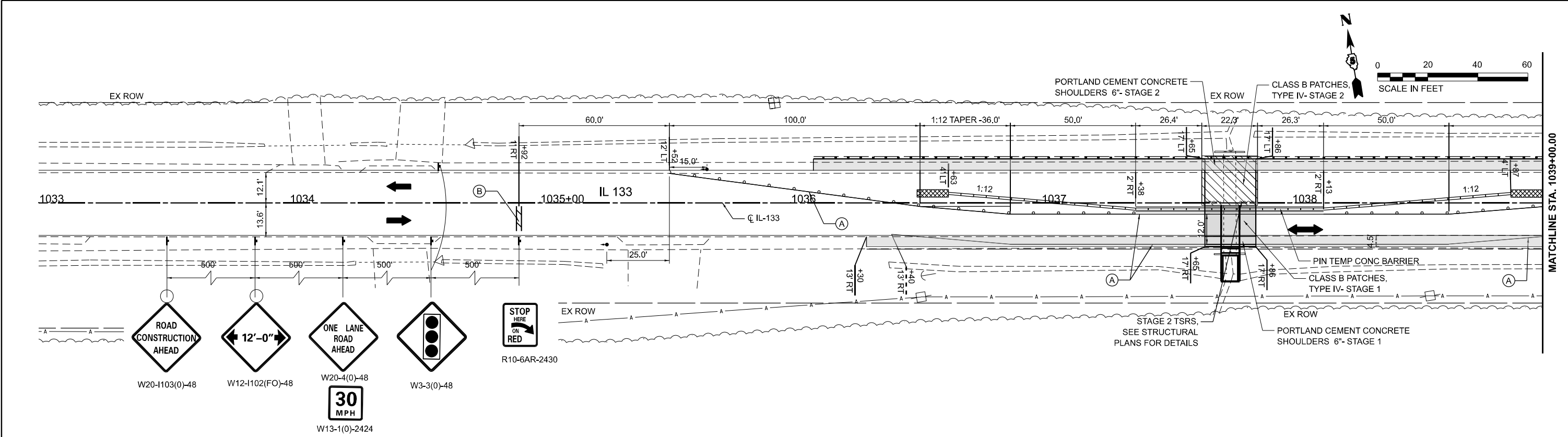
AEG ATLAS ENGINEERING GROUP, LTD.

USER NAME = njoseph	DESIGNED - NJ	REVISED -
PLOT SCALE = 0.16666633' / in.	DRAWN - NJ	REVISED -
PLOT DATE = 3/21/2024	CHECKED - PK	REVISED -
	DATE - 03/15/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUGGESTED STAGES OF CONSTRUCTION			
STAGE 1 S.N. 023-8076			
SCALE: 1"=20'	SHEET 4	OF 10 SHEETS	STA. TO STA.

F.A.P R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	99
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT				



MOT LEGEND

	WORK ZONE		IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3		TEMPORARY RUMBLE STRIPS
	BASE COURSE (OPTION)		TEMPORARY BRIDGE TRAFFIC SIGNALS		TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE
	TEMPORARY CONCRETE BARRIER		TYPE III BARRICADE		TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE
	TEMPORARY CONCRETE BARRIER PINNED		DRUM / DRUM WITH STEADY BURN		
	TEMPORARY STEEL PLATE BEAM GUARDRAIL, TYPE A		BI-DIRECTIONAL LIGHT AT 25'		

MOT NOTES

1. WIDTH RESTRICTION SIGNING SHALL BE PLACED AT EACH END OF THE PROJECT, ALONG IL ROUTE 133, AT SUFFICIENT DISTANCE TO PROVIDE MOTORISTS WITH ADEQUATE WARNING. EXACT PLACEMENT SHALL BE DETERMINED BY THE ENGINEER.
2. WIDTH RESTRICTION SIGNING SHALL FOLLOW DISTRICT 5 DETAIL NO. X7200201 AND SHALL STATE A WIDTH OF 12' 0" FOR STAGE 1 AND STAGE 2
3. MAINTENANCE OF TRAFFIC SHALL FOLLOW IDOT STD 701321 AND THESE PLANS.
4. THE CONTRACTOR SHALL MAINTAIN ACCESS TO THE FIELD ENTRANCE AT ALL TIMES
5. FOR TEMPORARY TRAFFIC SIGNAL AND DETECTOR LOOP DETAILS FOLLOW IDOT STD 701321
6. EARTHWORK REQUIRED FOR THE CONSTRUCTION OF BASE COURSE (OPTION) WILL BE PAID FOR AS EXCAVATING AND GRADING EXISTING SHOULDER. GRADED AREA WILL BE COVERED WITH TOPSOIL AND SEEDING, CLASS 2A.
7. GUARDRAIL REFLECTORS, TYPE B SHALL BE PLACED 25' CTRS ALONG THE TEMPORARY GUARDRAIL AND TEMPORARY CONCRETE BARRIER.

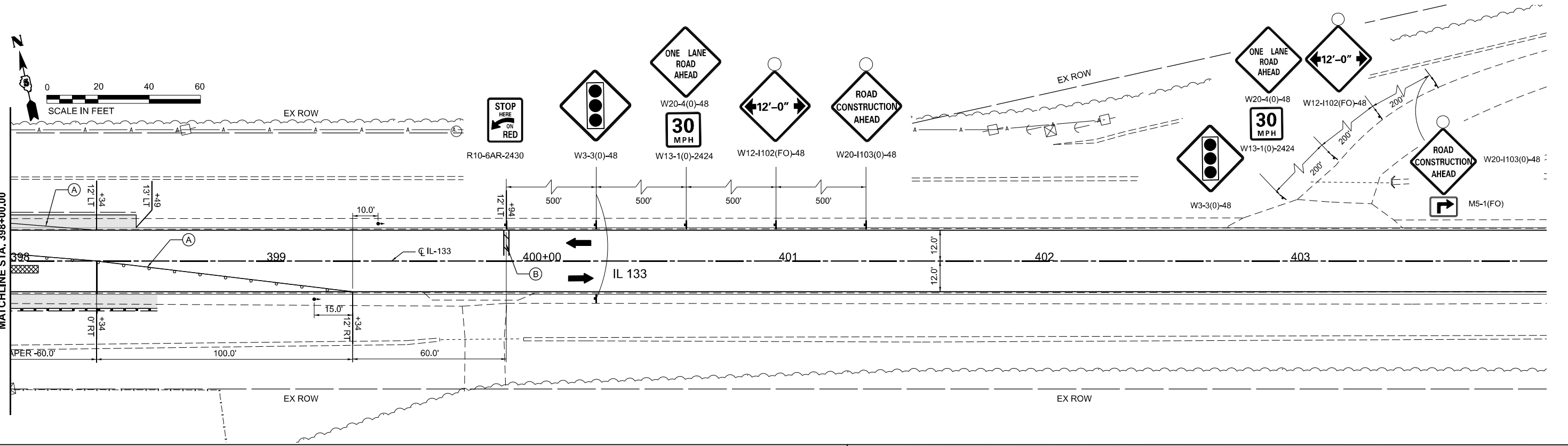
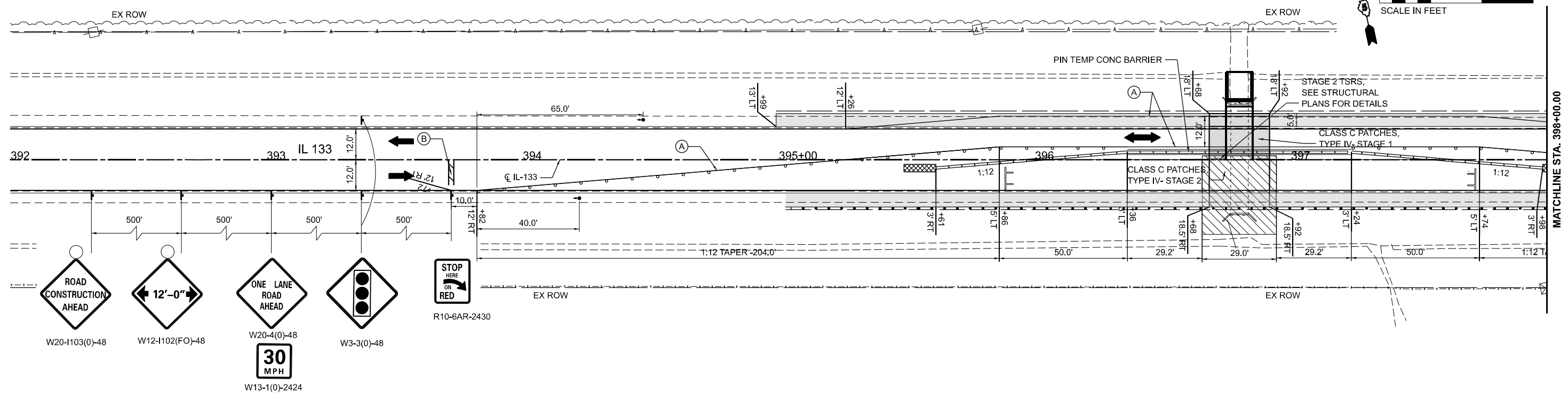


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PLOT DATE = 3/21/2024	CHECKED - PK	REVISED -
	DATE - 03/15/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUGGESTED STAGES OF CONSTRUCTION STAGE 2 S.N. 023-8075			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157 / 100
CONTRACT NO. 70C14			
SCALE: 1"=20'	SHEET 5 OF 10 SHEETS	STA.	TO STA.
ILLINOIS FED. AID PROJECT			

MODEL: IL133_Stage2_LOC1_Plan1
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MOT LEGEND

- WORK ZONE
- BASE COURSE (OPTION)
- TEMPORARY CONCRETE BARRIER
- TEMPORARY CONCRETE BARRIER PINNED
- TEMPORARY STEEL PLATE BEAM GUARDRAIL, TYPE A
- IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3
- TEMPORARY BRIDGE TRAFFIC SIGNALS
- TYPE III BARRICADE
- DRUM / DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT AT 25'
- TEMPORARY RUMBLE STRIPS
- TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE
- TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE

MOT NOTES

1. WIDTH RESTRICTION SIGNING SHALL BE PLACED AT EACH END OF THE PROJECT, ALONG IL ROUTE 133, AT SUFFICIENT DISTANCE TO PROVIDE MOTORISTS WITH ADEQUATE WARNING. EXACT PLACEMENT SHALL BE DETERMINED BY THE ENGINEER.
2. WIDTH RESTRICTION SIGNING SHALL FOLLOW DISTRICT 5 DETAIL NO. X7200201 AND SHALL STATE A WIDTH OF 12' 0" FOR STAGE 1 AND STAGE 2
3. MAINTENANCE OF TRAFFIC SHALL FOLLOW IDOT STD 701321 AND THESE PLANS.
4. THE CONTRACTOR SHALL MAINTAIN ACCESS TO THE FIELD ENTRANCE AT ALL TIMES
5. FOR TEMPORARY TRAFFIC SIGNAL AND DETECTOR LOOP DETAILS FOLLOW IDOT STD 701321
6. EARTHWORK REQUIRED FOR THE CONSTRUCTION OF BASE COURSE (OPTION) WILL BE PAID FOR AS EXCAVATING AND GRADING EXISTING SHOULDER. GRADED AREA WILL BE COVERED WITH TOPSOIL AND SEEDING, CLASS 2A.
7. GUARDRAIL REFLECTORS, TYPE B SHALL BE PLACED 25' CTRS ALONG THE TEMPORARY GUARDRAIL AND TEMPORARY CONCRETE BARRIER.

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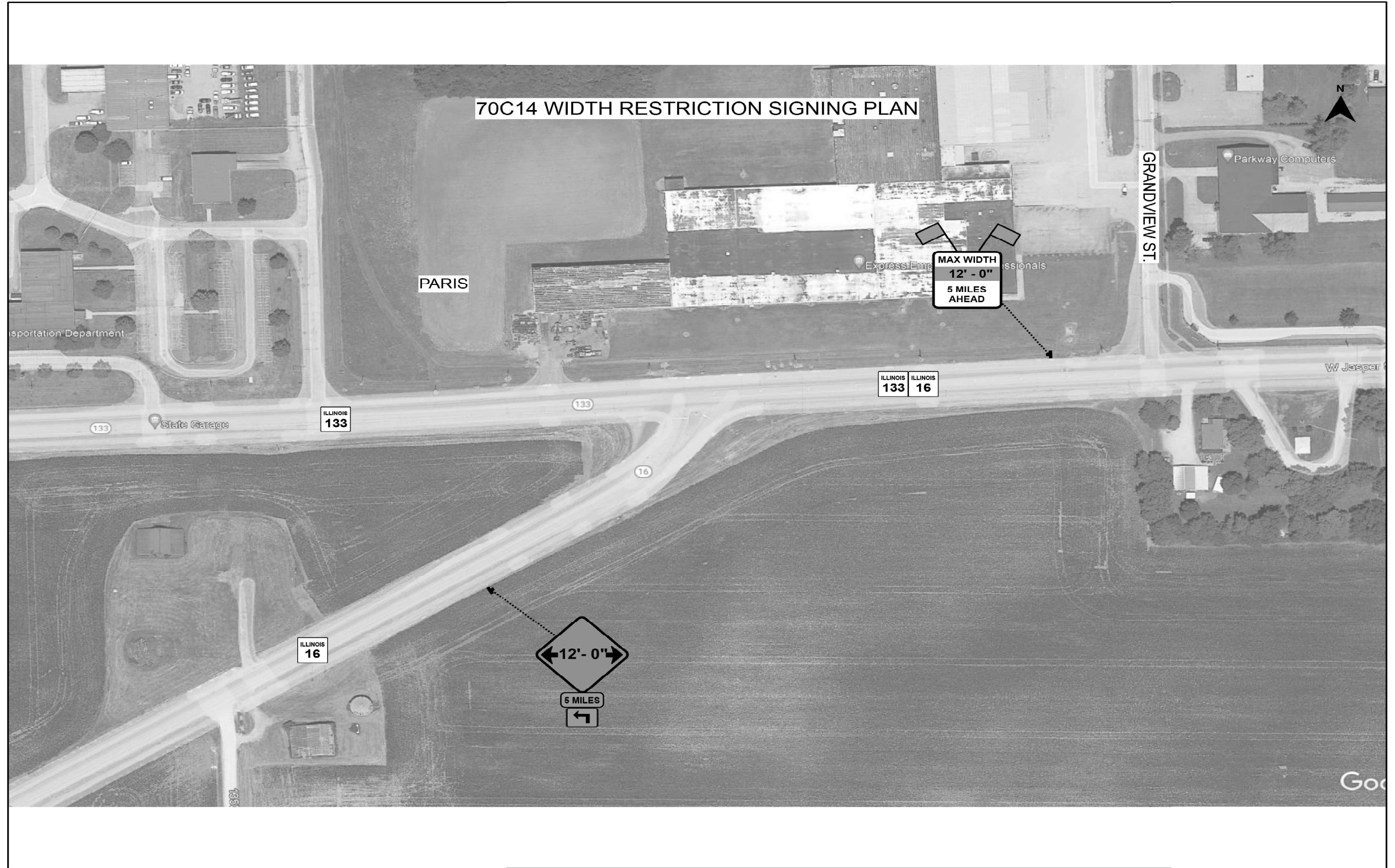
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION
STAGE 2 S.N. 023-8076**

SCALE: 1"=20' SHEET 6 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	101
			CONTRACT NO. 70C14	

ILLINOIS FED. AID PROJECT

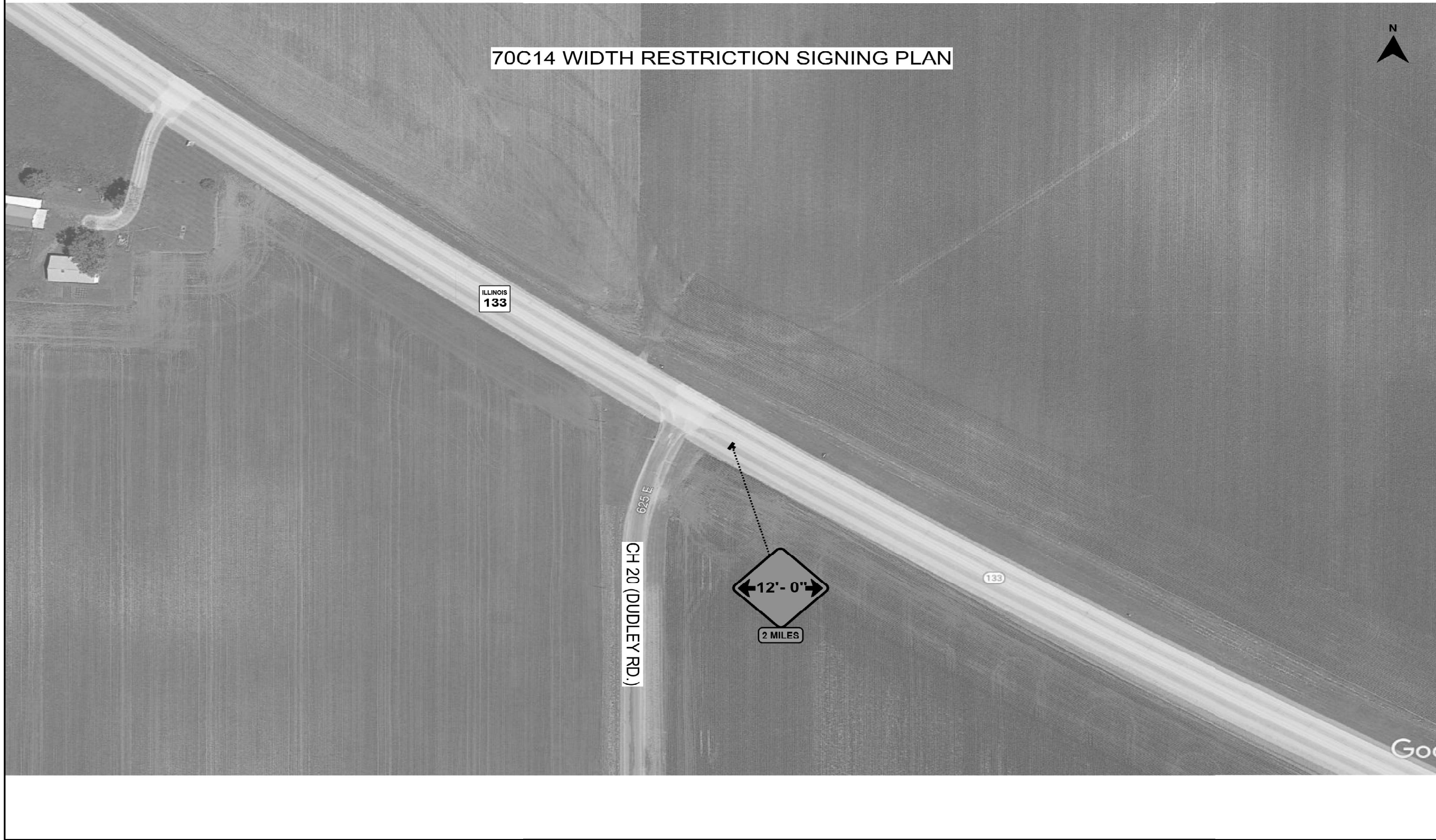


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PLOT DATE = 3/21/2024	CHECKED -	REVISED -
	DATE -	REVISED -

SUGGESTED STAGES OF CONSTRUCTION WIDTH RESTRICTION SIGNING PLAN			
SCALE:	SHEET 7	OF 10 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	102
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT				



70C14 WIDTH RESTRICTION SIGNING PLAN

ILLINOIS
133

CH 20 (DUDLEY RD.)

0.25 E



133

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AEG ATLAS ENGINEERING GROUP, LTD.

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PLOT DATE = 3/21/2024	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION
WIDTH RESTRICTION SIGNING PLAN

SCALE: SHEET 8 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	14)RS-3(122)RS-4,(14CR)	EDGAR	157	103
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT				



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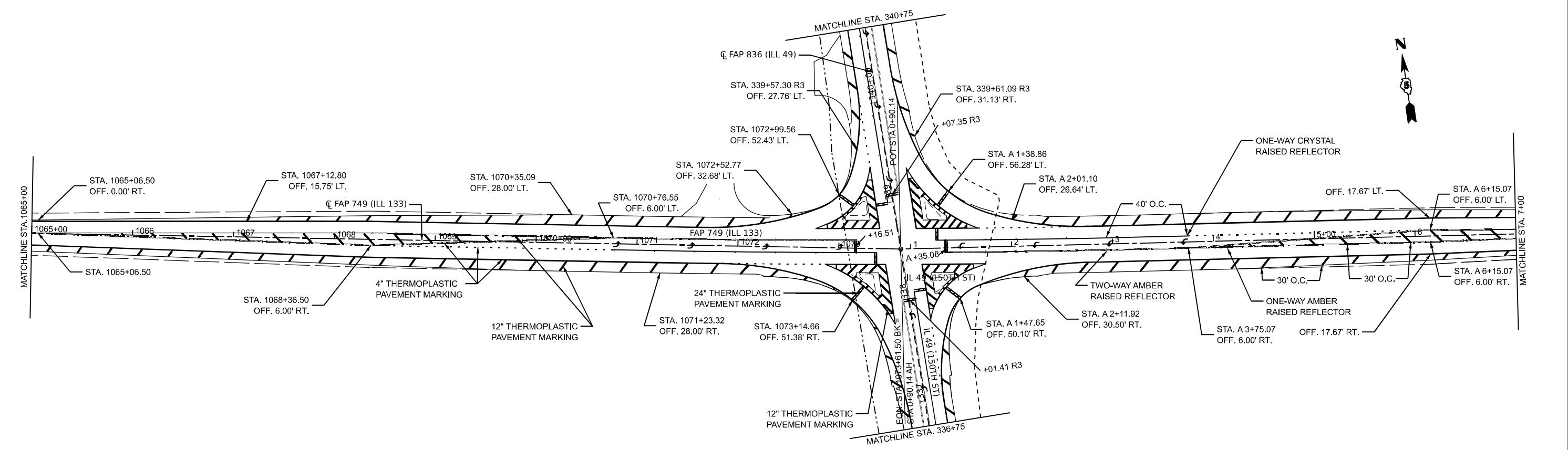
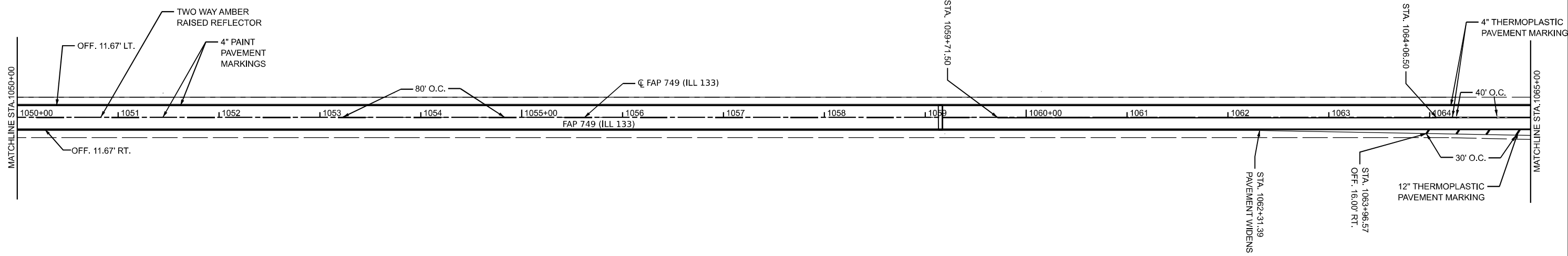
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PLOT DATE = 3/21/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION
WIDTH RESTRICTION SIGNING PLAN**

SCALE: SHEET 10 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	14)RS-3(122)RS-4,(14CR)	EDGAR	157	105
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT				



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 © 2024 FEHR GRAHAM



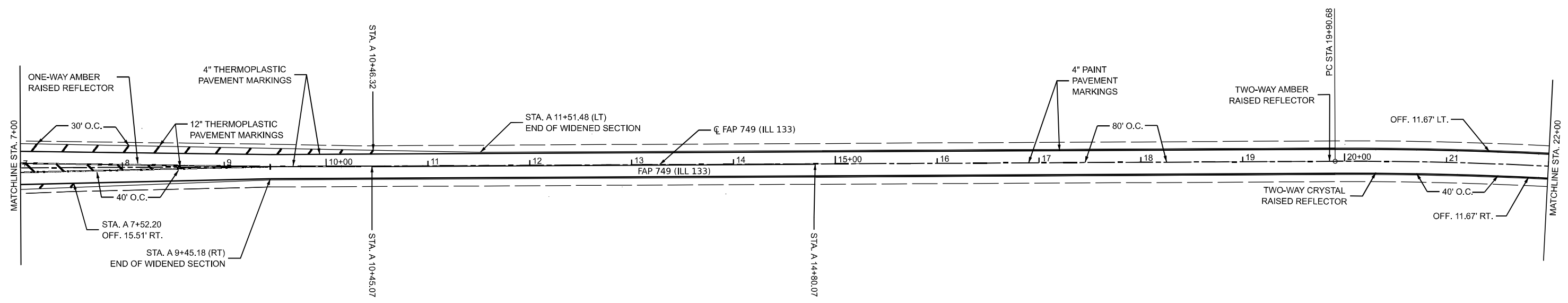
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DRAWN - MCE	REVISOR -	
CHECKED - JWD	REVISOR -	
DATE - 03/21/2024	REVISOR -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL 133
PAVEMENT MARKING

SCALE: 1"=50' SHEET 1 OF 3 SHEETS STA. 1050+00.00 TO STA. A 7+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	106
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-ILL5(692)				



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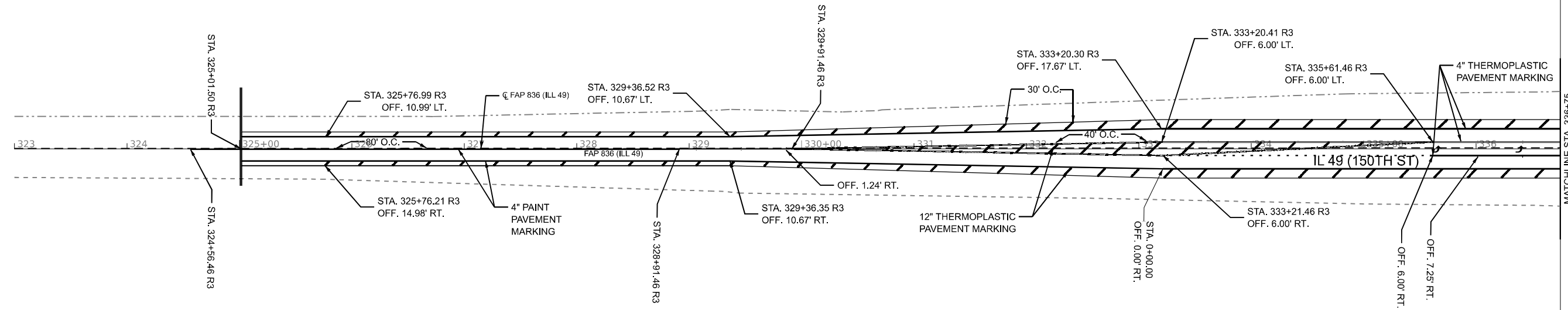


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

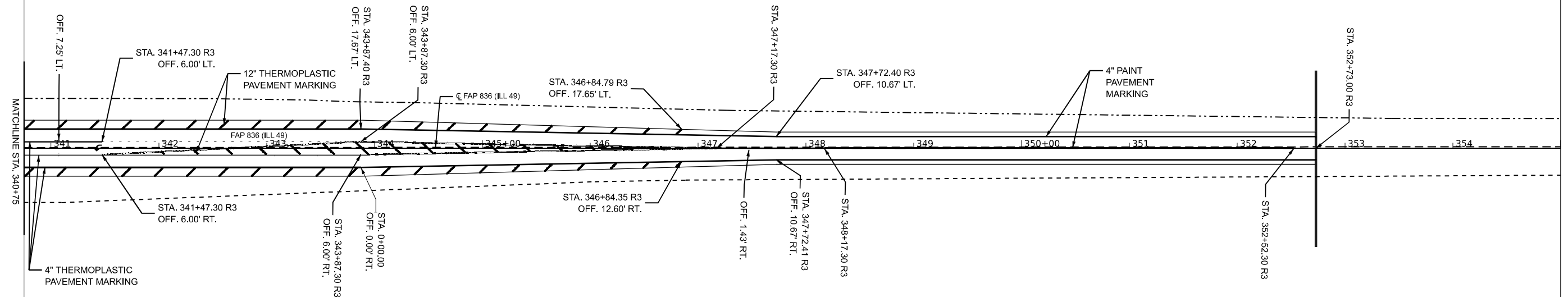
ILL 133	
PAVEMENT MARKING	
SCALE: 1"=50'	SHEET 2 OF 3 SHEETS
STA. A 7+00.00	TO STA. A 22+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	107
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				



MATCHLINE STA. 336+75

ECKERT
SEC 23



MATCHLINE STA. 340+75

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DATE: 03/21/2024

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL
1100 S. MICHIGAN AVE. SUITE 1000
CHICAGO, IL 60605
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USER NAME = rhammon, burroughs
PLOT SCALE = 0.16660000' / in.
PLOT DATE = 5/6/2024

DESIGNED - RAB
DRAWN - MCE
CHECKED - JWD
DATE - 03/21/2024

REVISED -
REVISED -
REVISED -
REVISED -

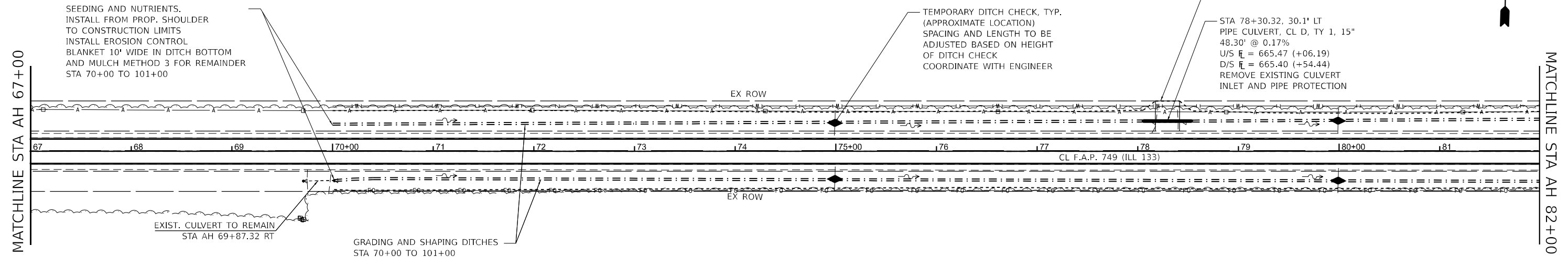
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 49
PAVEMENT MARKING**
SCALE: 1"=50'
SHEET 3 OF 3 SHEETS
STA. 325+01.50 TO STA. 352+73.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	108
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-WL5(692)				

ROSE OF SHARON FARM INC
SEC 24, T14N, R14W, 2ND P.M.

RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.

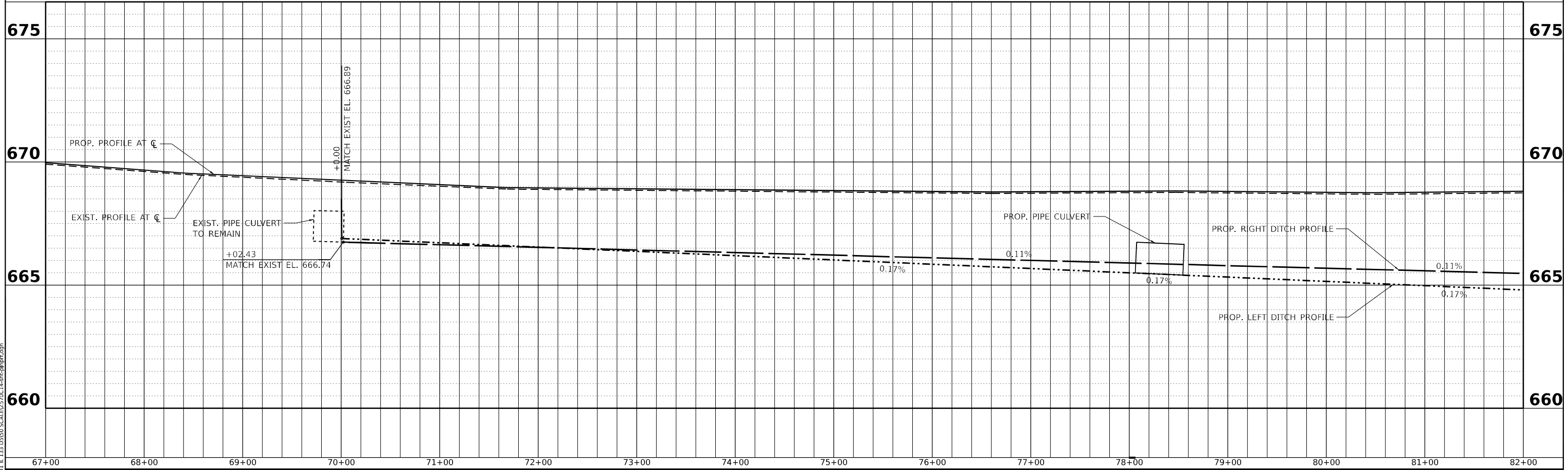


THE APPROXIMATE UTILITY INFORMATION PROVIDED REPRESENTS THE BEST INFORMATION AVAILABLE TO THE DEPARTMENT AND IS ONLY SCHEMATIC IN NATURE, ACTUAL LOCATIONS MAY VARY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE UTILITIES IN THE FIELD.

ROSE OF SHARON FARM INC
SEC 25, T14N, R14W, 2ND P.M.

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NOTE BOOK NO.	
	CADD FILE NAME	



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	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

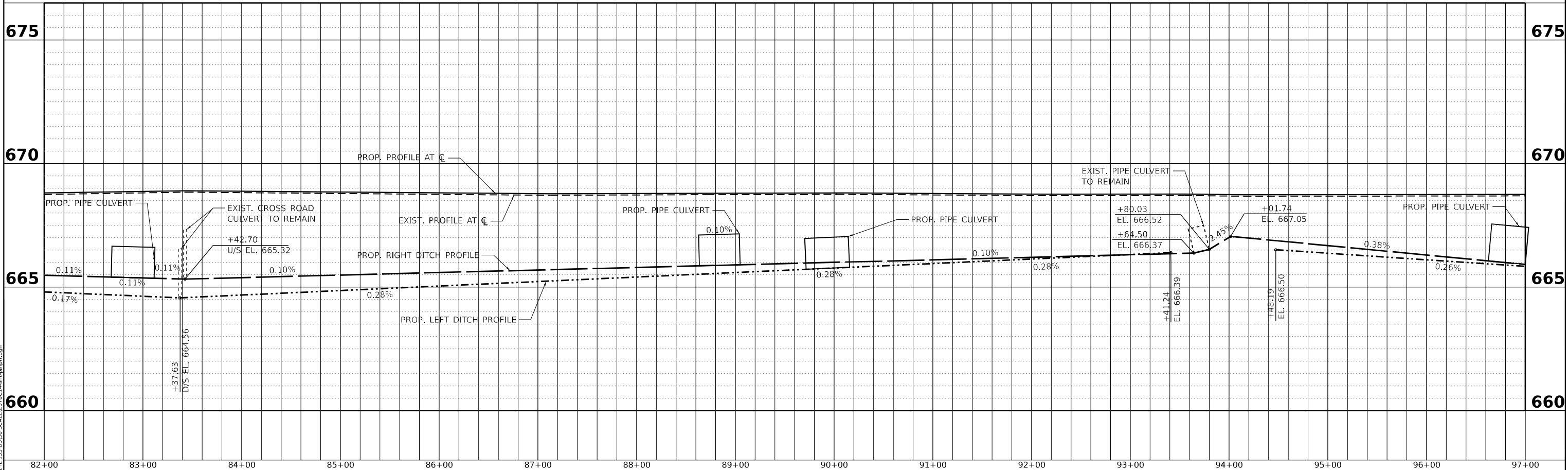
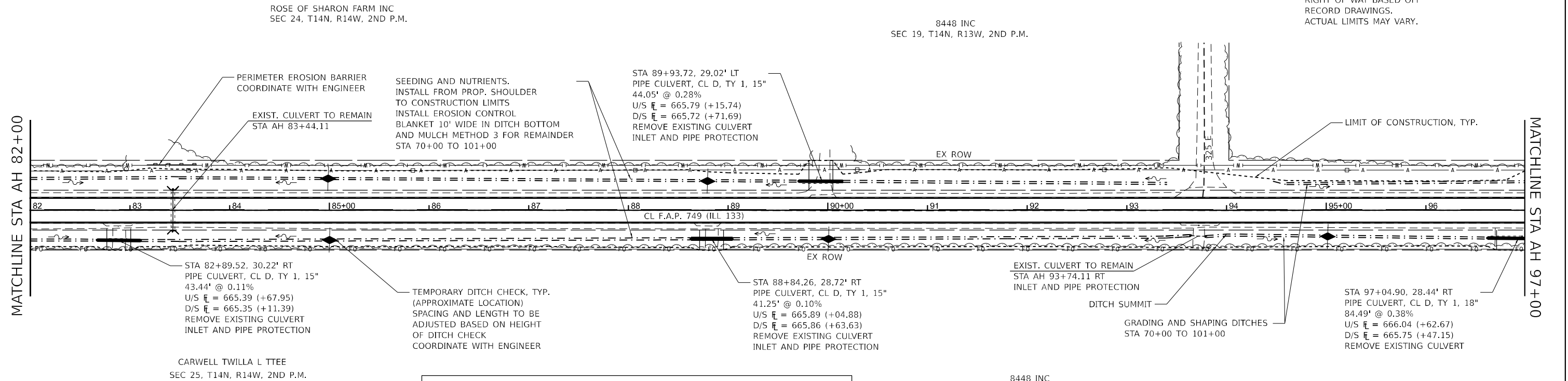
ILL 133	
DRAINAGE PLAN & PROFILE	
SCALE: 1"=50'	SHEET 1 OF 5 SHEETS
STA. AH 67+00	TO STA. AH 82+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	109
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				

DATE	
BY	
SURVEYED	
PLOTTED	
ALIGNED	
CHECKED	
CADD FILE NAME	
PLAN	
NOTE BOOK NO.	

DATE	
BY	
SURVEYED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHKD	
PROFILE	
NOTE BOOK NO.	

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USER NAME	= MESCATEL	DESIGNED -	MHS	REVISED -	
DRAWN	- MHS	REVISIONS			
CHECKED	- JAS				
DATE	- 03/21/2024				

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ILL 133
 DRAINAGE PLAN & PROFILE**

SCALE: 1"=50' SHEET 2 OF 5 SHEETS STA. AH 82+00 TO STA. AH 97+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	110
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				

BOWER MILFREIDA JARED
SEC 19, T14N, R13W, 2ND P.M.

RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.

KESKE JOSHUA J
SEC 19, T14N, R13W, 2ND P.M.

TEMPORARY DITCH CHECK, TYP.
(APPROXIMATE LOCATION)
SPACING AND LENGTH TO BE
ADJUSTED BASED ON HEIGHT
OF DITCH CHECK
COORDINATE WITH ENGINEER

PERIMETER EROSION BARRIER
COORDINATE WITH ENGINEER

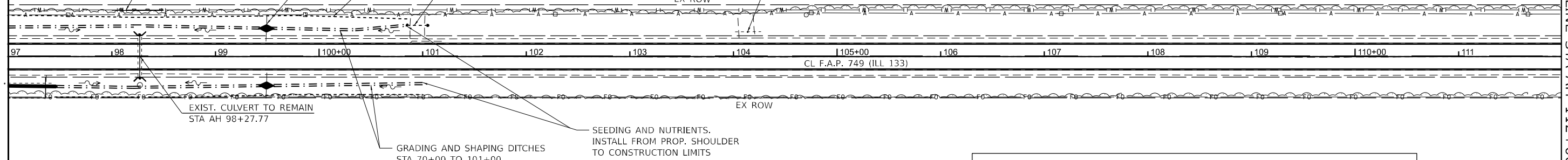
LIMIT OF CONSTRUCTION

EXIST. CULVERT TO REMAIN
STA AH 101+06.77 LT

FE
STA AH 104+14.12 LT

MATCHLINE STA AH 97+00

MATCHLINE STA AH 112+00



SEEDING AND NUTRIENTS.
INSTALL FROM PROP. SHOULDER
TO CONSTRUCTION LIMITS
INSTALL EROSION CONTROL
BLANKET 10' WIDE IN DITCH BOTTOM
AND MULCH METHOD 3 FOR REMAINDER
STA 70+00 TO 101+00

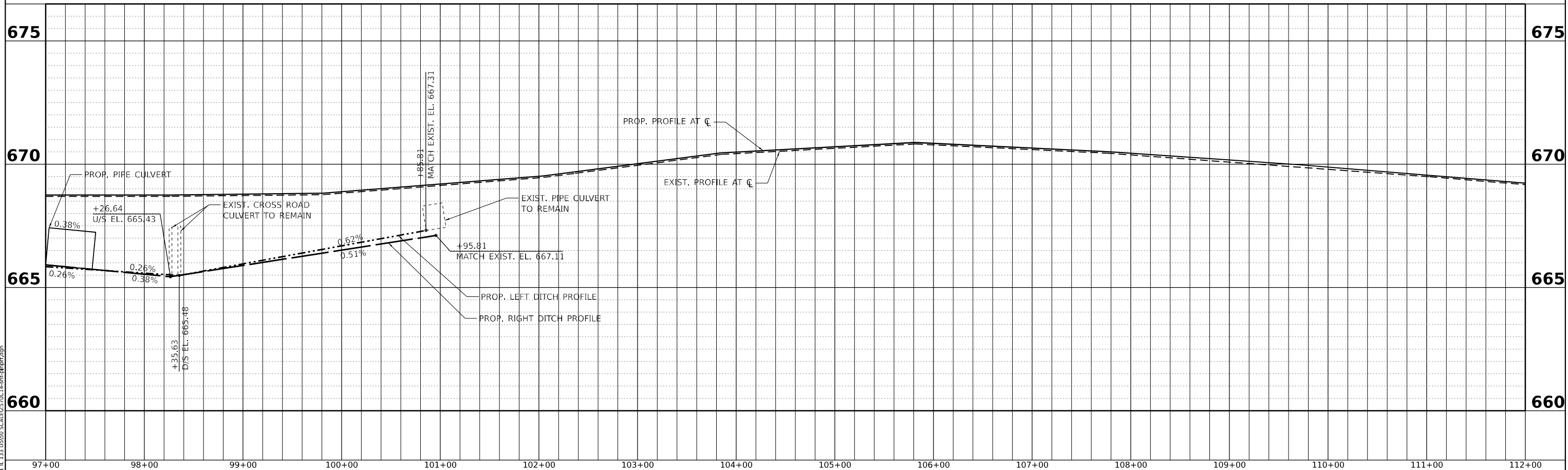
THE APPROXIMATE UTILITY INFORMATION PROVIDED REPRESENTS THE BEST INFORMATION
AVAILABLE TO THE DEPARTMENT AND IS ONLY SCHEMATIC IN NATURE, ACTUAL LOCATIONS
MAY VARY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE UTILITIES IN THE FIELD.

BIEBER EMILY ET AL
SEC 30, T14N, R13W, 2ND P.M.

MCGINNESS THOMAS R
SEC 30, T14N, R13W, 2ND P.M.

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NOTE BOOK NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NOTE BOOK NO.	



MODEL: Z570C14-shr-plnprf
FILE NAME: G:\ORD\2020-901 IL 133 D\500 SCALE\2570C14-shr-plnprf.dgn



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PLOT SCALE = 50.0000 1/1in.	DRAWN - MHS	REVISED -
PLOT DATE = 07/26/2023	CHECKED - JAS	REVISED -
	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

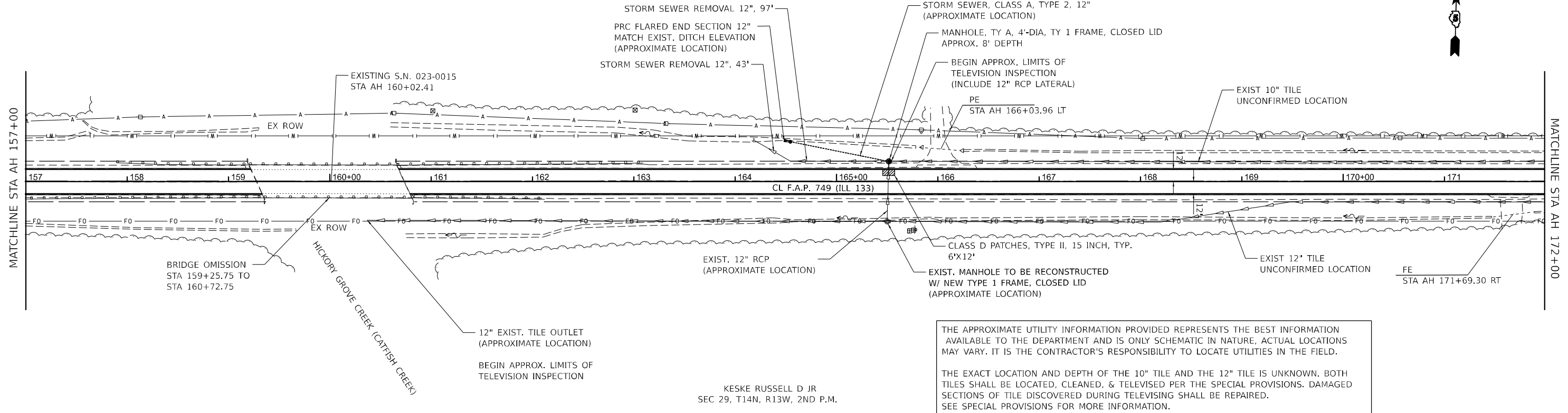
ILL 133
DRAINAGE PLAN & PROFILE

SCALE: 1"=50' SHEET 3 OF 5 SHEETS STA. AH 97+00 TO STA. AH 112+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14CR)	EDGAR	157	111
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				

STOLZ ROBERT & SHIRLEY
SEC 20, T14N, R13W, 2ND P.M.

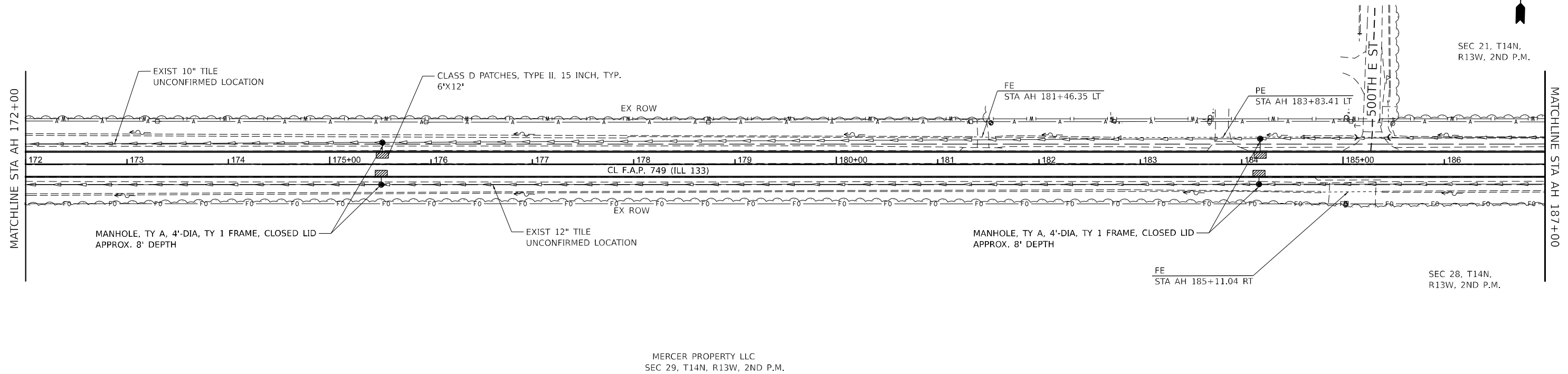
RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.



STOLZ ROBERT & SHIRLEY
SEC 20, T14N, R13W, 2ND P.M.

HENN ANDREW R & LAHN M
SEC 20, T14N, R13W, 2ND P.M.

RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.



MODEL: ILL133_C14_Plan 17-2
FILE NAME: E:\Projects\133\133_Plan 17-2.dwg
PLOT DATE: 3/21/2024



USER NAME = Mohammed	DESIGNED - MHS	REVISED -
PLOT SCALE = 0.16666633 1/16"	DRAWN - MHS	REVISED -
PLOT DATE = 3/21/2024	CHECKED - JAS	REVISED -
	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL 133
DRAINAGE PLAN

SCALE: 1"=50' SHEET 4 OF 5 STA. AH 157+00 TO STA. AH 187+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	112
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				

HALLORAN LORA LYNN GREEN
SEC 20, T14N, R13W, 2ND P.M.

RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.

MATCHLINE STA AH 187+00

MATCHLINE STA AH 202+00

STA 200+58.11, 27.80 LT
PIPE CULVERT, CL D, TY 1, 15"
27.9' @ 0.55%
U/S \bar{E} = 671.42 (+71.94)
D/S \bar{E} = 671.27 (+44.27)
REMOVE EXIST. CULVERT
INLET AND PIPE PROTECTION

FE
STA AH 200+58.29 LT

GRADING AND SHAPING DITCHES,
EROSION CONTROL BLANKET,
SEEDING AND NUTRIENTS.
INSTALL FROM PROP. SHOULDER
TO CONSTRUCTION LIMITS
STA 198+00 LT TO 201+75 LT

CLASS D PATCHES, TYPE II, 15 INCH, TYP.
6'X12'

MANHOLE, TY A, 4'-DIA, TY 1 FRAME, CLOSED LID
APPROX. 8' DEPTH

MANHOLE, TY A, 4'-DIA, TY 1 FRAME, CLOSED LID
APPROX. 8' DEPTH

STA 201+88.30, 25.53 RT
PIPE CULVERT, CL D, TY 1, 15"
49.9' @ 0.33%
U/S \bar{E} = 671.78 (+13.42)
D/S \bar{E} = 671.62 (+63.19)
REMOVE EXIST. CULVERT
INLET AND PIPE PROTECTION

FE
STA AH 201+88.76 RT

GRADING AND SHAPING DITCHES,
SEEDING AND NUTRIENTS.
INSTALL FROM PROP. SHOULDER
TO CONSTRUCTION LIMITS
INSTALL EROSION CONTROL
BLANKET 10' WIDE IN DITCH BOTTOM
AND MULCH METHOD 3 FOR REMAINDER
STA 198+00 RT TO 204+00 RT

LIMIT OF CONSTRUCTION, TYP.

WOOD RODNEY A & HELEN MARIE
SEC 29, T14N, R13W, 2ND P.M.

THE APPROXIMATE UTILITY INFORMATION PROVIDED REPRESENTS THE BEST INFORMATION AVAILABLE TO THE DEPARTMENT AND IS ONLY SCHEMATIC IN NATURE, ACTUAL LOCATIONS MAY VARY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE UTILITIES IN THE FIELD.

THE EXACT LOCATION AND DEPTH OF THE 10" TILE AND THE 12" TILE IS UNKNOWN. BOTH TILES SHALL BE LOCATED, CLEANED, & TELEVIEWED PER THE SPECIAL PROVISIONS. DAMAGED SECTIONS OF TILE DISCOVERED DURING TELEVIEWING SHALL BE REPAIRED. SEE SPECIAL PROVISIONS FOR MORE INFORMATION.



SEC 20, T14N, R13W, 2ND P.M.

PARIS COMMUNITY FIRE PROT DIST
SEC 29, T14N, R13W, 2ND P.M.

RIGHT OF WAY BASED OFF
RECORD DRAWINGS.
ACTUAL LIMITS MAY VARY.

MATCHLINE STA AH 202+00

MATCHLINE STA AH 217+00

WOOD WILL A & DONNA S
SEC 29, T14N, R13W, 2ND P.M.



END APPROX. LIMITS OF
TELEVISION INSPECTION
(COORDINATE LIMITS WITH ENGINEER)

EXISTING CULVERT
STA AH 206+78.53
INLET AND PIPE PROTECTION

GRADING AND SHAPING DITCHES,
EROSION CONTROL BLANKET,
SEEDING AND NUTRIENTS.
INSTALL FROM PROP. SHOULDER
TO CONSTRUCTION LIMITS
STA 206+00 RT TO 206+78 RT

STA 203+89.37, 25.07 RT
PIPE CULVERT, CL A, TY 1, 15" - 8.0'
D/S \bar{E} = 672.15 (+89.37)
REMOVE EXISTING PIPE CULVERT - 8.0'

GRADING AND SHAPING DITCHES,
SEEDING AND NUTRIENTS.
INSTALL FROM PROP. SHOULDER
TO CONSTRUCTION LIMITS
INSTALL EROSION CONTROL
BLANKET 10' WIDE IN DITCH BOTTOM
AND MULCH METHOD 3 FOR REMAINDER
STA 202+00 LT TO 205+00 LT

WOOD WILL A & DONNA S
SEC 29, T14N, R13W, 2ND P.M.

CURL RONALDJ & PATRICIA M
SEC 29, T14N, R13W, 2ND P.M.

EXIST 10" TILE
UNCONFIRMED LOCATION

EXIST 12" TILE
UNCONFIRMED LOCATION

LIMIT OF CONSTRUCTION, TYP.

MODEL: ILL133_CL1_Plan 10-2
FILE NAME: E:\PROJECTS\70C14\DRN\Phase II\CADD Files\OutCAD_Sheets\70C14\Drn\Drainage Plans\Redmon.dgn
DATE: 03/21/2024



USER NAME = Mohammed	DESIGNED - MHS	REVISED -
PLOT SCALE = 0.16666633 1/ in.	DRAWN - MHS	REVISED -
PLOT DATE = 3/21/2024	CHECKED - JAS	REVISED -
	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL 133
DRAINAGE PLAN

SCALE: 1"=50' SHEET 5 OF 5 STA. AH 187+00 TO STA. AH 217+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	113
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				

Benchmark: N&W in 30" Maple RT Sta. 1034+10. Elev. 663.22

Existing Structure: SLD 0.87 originally built under SBI Route 133 under Section 122 in 1932. The structure is a single barrel 5'-0" x 2'-0" reinforced concrete box culvert with no skew. The out to out headwall length is 41'-4".

Traffic Control: Staged construction will be used to remove existing structure and to install the precast section of the culvert while maintaining one lane of alternating traffic.

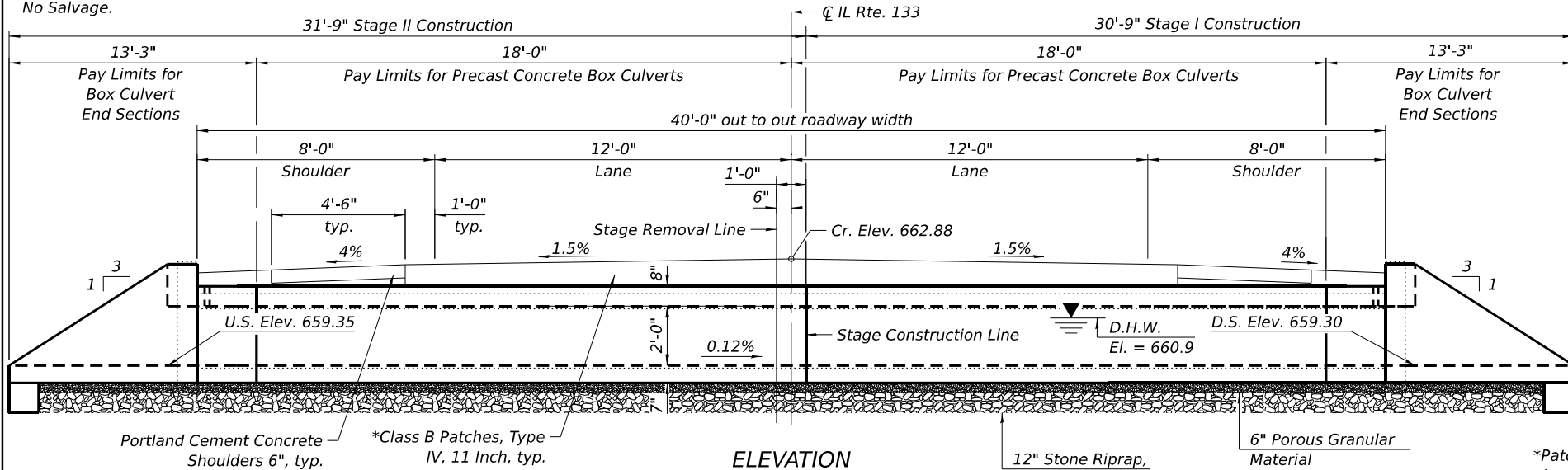
No Salvage.

INDEX OF SHEETS

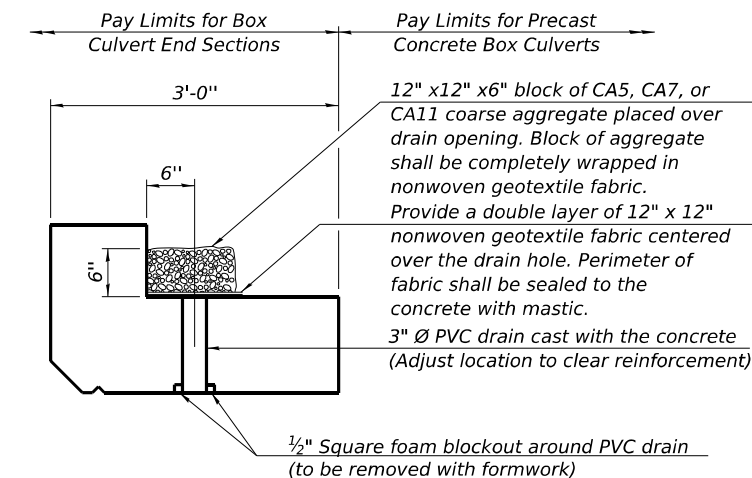
- S-1 General Plan and Elevation
- S-2-S-3 Precast Concrete Box Culvert Tapered End Section Details
- S-4-S-5 Traversable Pipe Grate for Box Culverts
- S-6 Stage Construction Details
- S-7 Temporary Concrete Barrier for Stage Construction

GENERAL NOTES

The design fill height for this box is 6 in. The precast box culvert sections shall conform to the requirements of ASTM C 1577.
 Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.
 Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment in the required excavation areas on the sides of the box culvert from the top of the box culvert to the bottom of the box culvert. This area of PGE is included in the Porous Granular Embankment pay item. The 6-inch thick layer of porous granular material required under the precast concrete box culvert, according to Section 540.06 of the standard specifications, shall also apply to the end sections. Cost of this porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.
 See sheet S-15 for Porous Granular Embankment District 5 Detail No. 20700220.

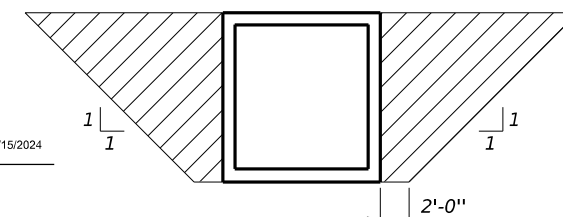


ELEVATION

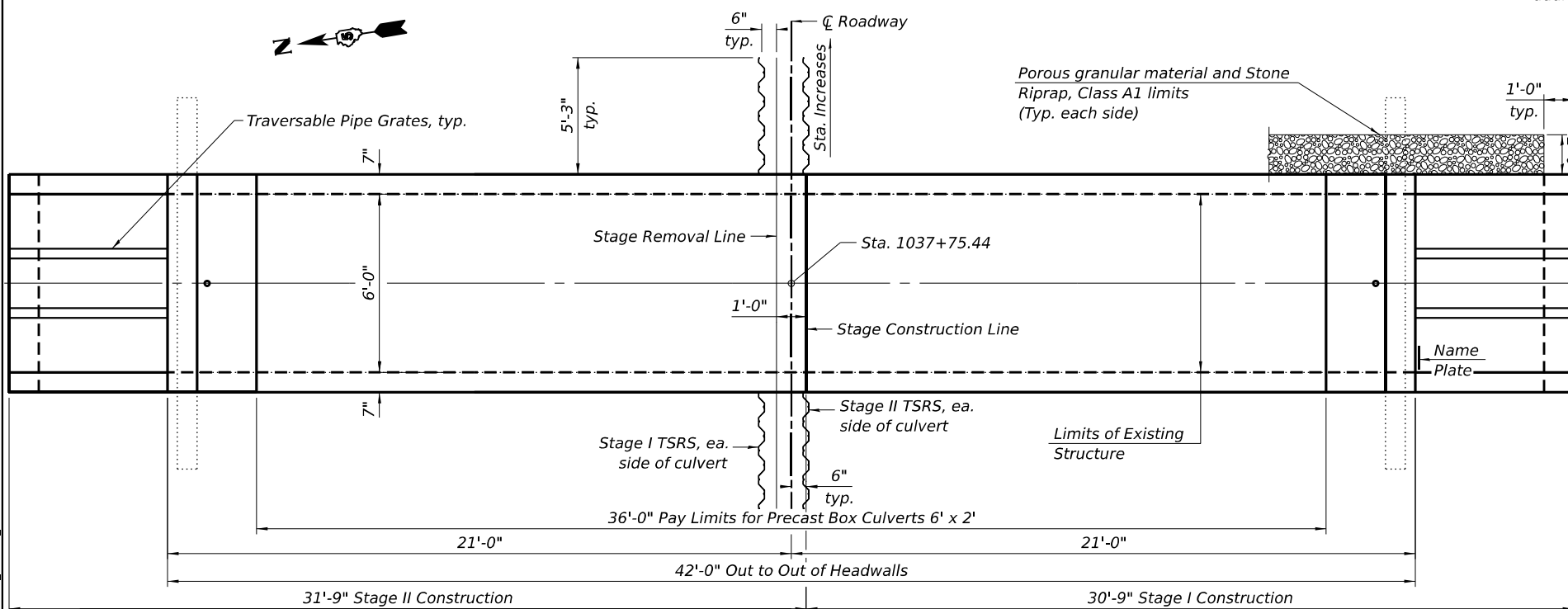


DRAIN DETAIL

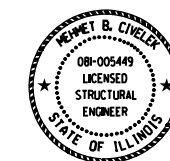
(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)



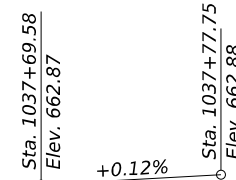
PAY LIMITS FOR POROUS GRANULAR EMBANKMENT
(Hatched area)



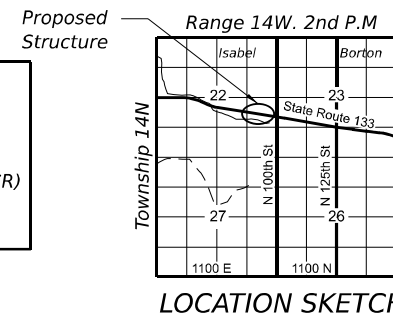
PLAN



MEHMET B. CIVELEK, P.E., S.E.
 NO. 081-005449
 EXP. DATE 11/30/2024



PROFILE GRADE
Along C Roadway



LOCATION SKETCH

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu. Yd.	49
Exploration Trench 60" Depth	Foot	100
Stone Riprap, Class A1	Ton	56
Removal of Existing Structures, No. 1	Each	1
Name Plates	Each	1
Temporary Soil Retention System	Sq. Ft.	47
Box Culvert End Sections, Culvert No. 1	Each	2
Precast Concrete Box Culverts, 6' x 2'	Foot	36
Traversable Pipe Grate for Concrete End Section	Foot	36
Permanent Bench Marks	Each	1

GENERAL PLAN AND ELEVATION
 F.A.P RTE. 749 SEC. (14)RS-3(122)RS-4,(14CR)
 EDGAR COUNTY
 STATION 1037+75.44
 S.N. 023-8075

WATERWAY INFORMATION

Drainage Area = 43.4 acre		Exist. Low Grade Elev. = 662.17 @ Sta. 1032+23.41							
		Prop. Low Grade Elev. = 662.17 @ Sta. 1032+23.41							
Flood Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.	
Design	50	49.6	8	9	660.8	0.5	0.3	661.3	661.1
Base	100	58.1	8	10	661.0	1.3	0.8	662.3	661.8
Overtopping Exist.	80	55.2	8	-	661.0	1.2	-	662.2	-
Overtopping Prop.	290	74.2	-	10	661.0	-	1.2	-	662.2

10 Year Outlet Velocity from Existing Culvert = 4.45 fps
 10 Year Outlet Velocity from Proposed Culvert = 3.91 fps

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications
 Customary U.S. Units, 9th Edition

LOADING HL-93

DESIGN STRESSES

PRECAST UNITS

f_c = 5,000 psi
 f_y = 65,000 psi (Welded Wire Reinforcement)

FIELD UNITS

f_c = 3,500 psi
 f_y = 60,000 psi (Reinforcement)
 f_y = 65,000 psi (Welded Wire Reinforcement)

STATION 1037+75.44
 BUILT 202_ BY
 STATE OF ILLINOIS
 F.A.P. RTE. 749
 SEC. (14)RS-3(122)RS-4,(14CR)
 LOADING HL-93
 STRUCTURE NO. 023-8075

NAME PLATE
 See Std. 515001

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
 STRUCTURE NO. 023-8075; CULVERT NO. 1

SCALE: SHEET S-1 OF S-15 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14CR)	EDGAR	157	114
CONTRACT NO. 70C14			ILLINOIS FED. AID PROJECT	

MODEL: 01-CPE-2 (Rev. 11/2019)
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AEG ATLAS ENGINEERING GROUP, LTD.

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PLOT SCALE = 5.333333 1/In.	DRAWN - EH	REVISED -
PLOT DATE = 3/21/2024	CHECKED - MBC	REVISED -
	DATE - 02/25/2024	REVISED -

GENERAL NOTES

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. This work will be measured for payment as each, with each end of each culvert being one each. End sections will be paid for at the contract unit price per each for Box Culvert End Sections of the culvert number specified.

Typical box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements of ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

Number of segments shown in Elevation is for example only. Length and number of precast box sections required to construct Box Culvert End Sections shall be determined by the Contractor.

See roadway plans for embankment slope (V:H).

1" Ø anchor rods for the culvert ties shall conform to the requirements of ASTM F1554, Grade 105. Structural steel for tie plate and restraint angle shall conform to the requirements of Article 1006.04 of the Standard Specifications. All components of the culvert tie detail shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable.

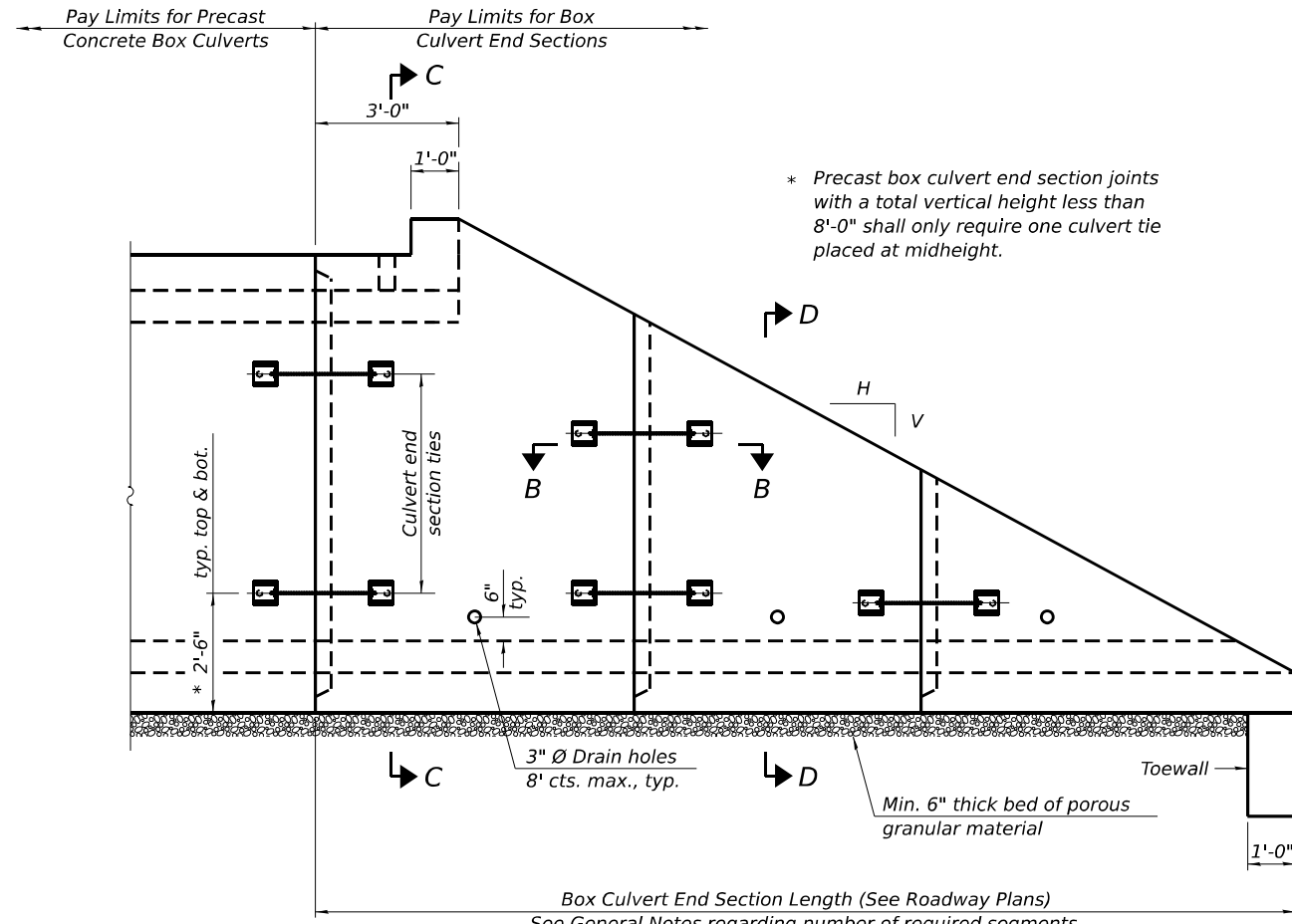
2 1/4" x 2 1/4" x 5/16" plate washers shall be provided under each nut required for the anchor rods. Anchor rods connecting precast sections shall be brought to a snug tight condition followed by an additional 1/2 turn on one of the nuts for anchor rods installed in the walls. Match marks shall be provided on the bolt and nut to verify relative rotation between the bolt and the nut. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of using formed holes.

All costs associated with furnishing and installing or constructing the toewall and culvert ties will not be measured for payment but shall be included in the contract unit price for Box Culvert End Sections of the culvert number specified.

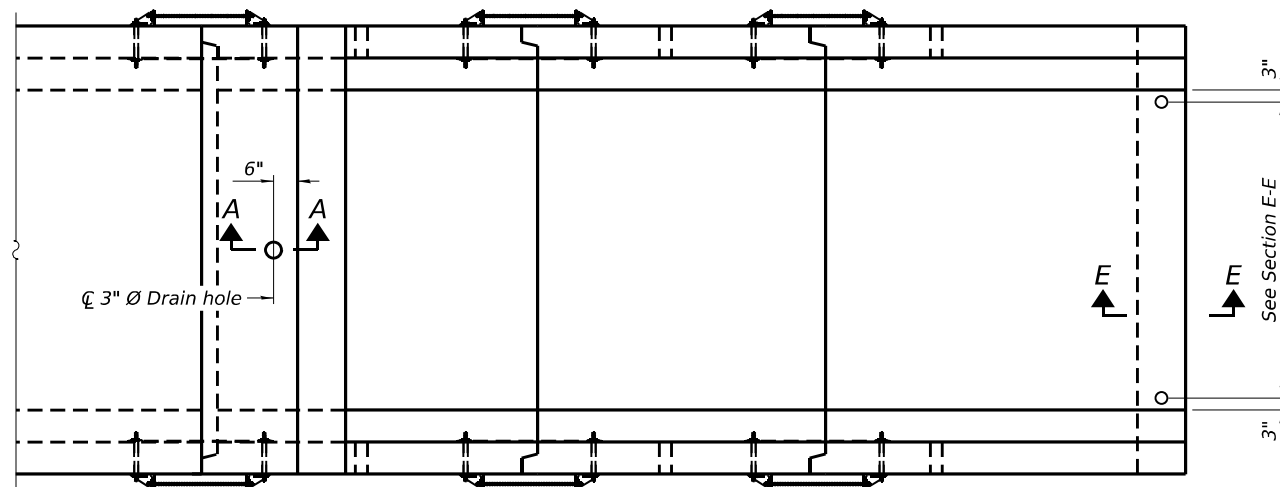
Drain holes shall conform to the requirements of Article 503.11 of the Standard Specifications unless noted otherwise.

Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01. The minimum weight of the fabric shall be 6 oz. / sq. yd..

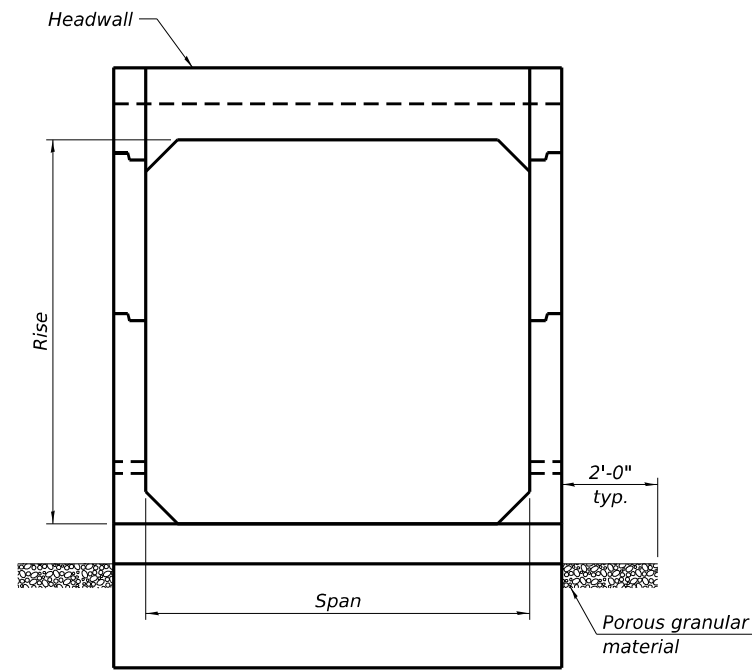
For end sections with traversable pipe grate systems, see grate detail sheet for required modifications.



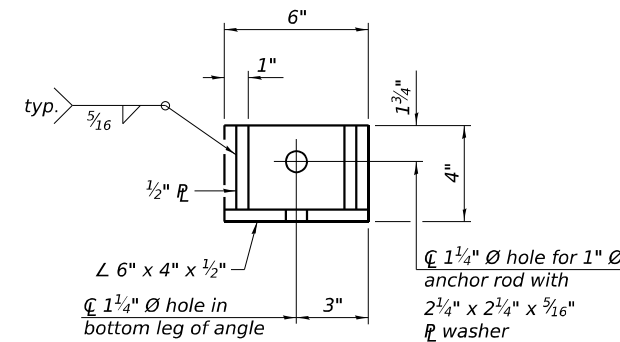
ELEVATION



PLAN



END VIEW



RESTRAINT ANGLE DETAIL

12" x 12" x 6" block of CA5, CA7, or CA11 coarse aggregate placed over drain opening. Block of aggregate shall be completely wrapped in nonwoven geotextile fabric.

Provide a double layer of 12" x 12" nonwoven geotextile fabric centered over the drain hole. Fabric shall be sealed to the concrete with mastic.

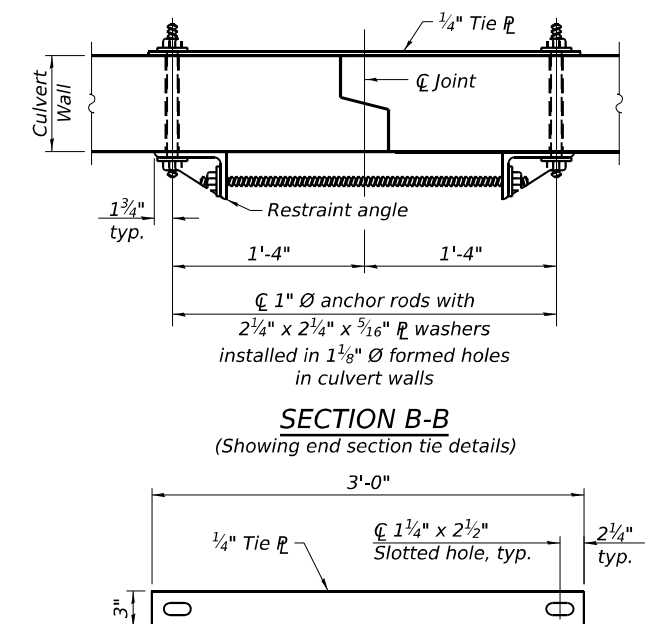
3" Ø PVC drain cast with the concrete (Adjust location to clear reinforcement).

1/2" Square foam blockout around PVC drain (to be removed with formwork)

SECTION A-A

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

(Sheet 1 of 2)



SECTION B-B
(Showing end section tie details)

TIE PLATE DETAIL

MODEL: 000-PrecastTaperedEnd (Sheet) FILE NAME: P:\Projects\2023\073 ST 0110 CAD\3_Sheet\12_Structural\0570144238075402_000-PrecastTaperedEnd

SCB-TES

5-15-2023

AEG ATLAS ENGINEERING GROUP, LTD.

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	DRAWN - EH	REVISED -
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PLOT DATE = 3/21/2024	DATE - 03/07/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRECAST CONCRETE BOX CULVERT TAPERED END SECTION DETAILS
STRUCTURE NO. 023-8075; CULVERT NO. 1

SCALE: SHEET S-2 OF S-15 SHEETS STA. TO STA.

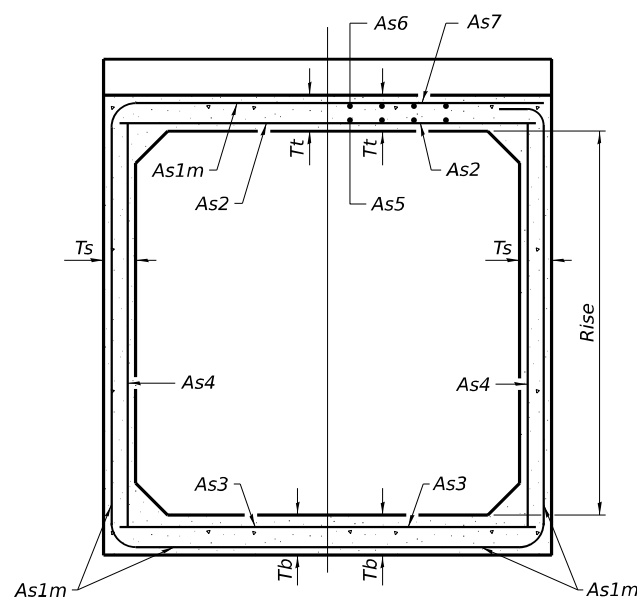
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14CR)	EDGAR	157	115
CONTRACT NO. 70C14			ILLINOIS FED. AID PROJECT	

As1m REINFORCEMENT		(in. ² /ft)										
Ts (in.)	Rise (ft)	2	3	4	5	6	7	8	9	10	11	12
4	0.19	0.17										
5	0.26	0.21	0.18									
6	0.22	0.26	0.23	0.22								
7	0.25	0.33	0.59	0.27	0.28							
8	0.40	0.35	0.43	0.39	0.36	0.34	0.40					
9	0.44	0.39	0.35	0.43	0.40	0.37	0.36	0.48				
10	0.48	0.42	0.38	0.47	0.44	0.41	0.38	0.42	0.56			
11	0.52	0.45	0.54	0.50	0.46	0.44	0.41	0.46	0.50	0.65		
12	0.55	0.49	0.58	0.54	0.50	0.48	0.45	0.46	0.46	0.61	0.75	

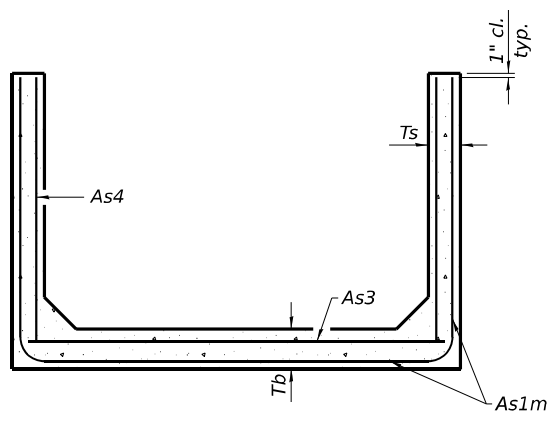
(As1m reinforcement based upon welded wire reinforcement conforming to AASHTO M 55 or M 221).

Notes:
 Alternate Section D-D is provided to allow the Contractor the option of casting the bottom slab of the end section first followed by construction of the sidewalls using conventional forming methods. Shop drawings that detail slab thickness and reinforcement layout shall be submitted to the Engineer for review and approval when using Alternate Section D-D.
 The size and spacing of the v2 bars shall provide a minimum reinforcement area along each face of the walls (in.²/ft.) equal to 1.10*(As1m). v2 bars may consist of #3 thru #6 size reinforcement bars and the longitudinal spacing shall not exceed the lesser of the wall thickness or 8 inches.
 Bonded construction joints shall be prepared according to Article 503.09 of the Standard Specifications.

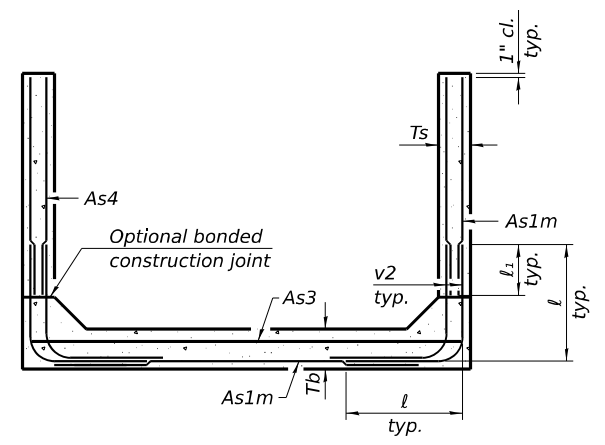
l₁ DIMENSION
 #3 bar = 2'-0"
 #4 bar = 2'-8"
 #5 bar = 3'-4"
 #6 bar = 3'-11"



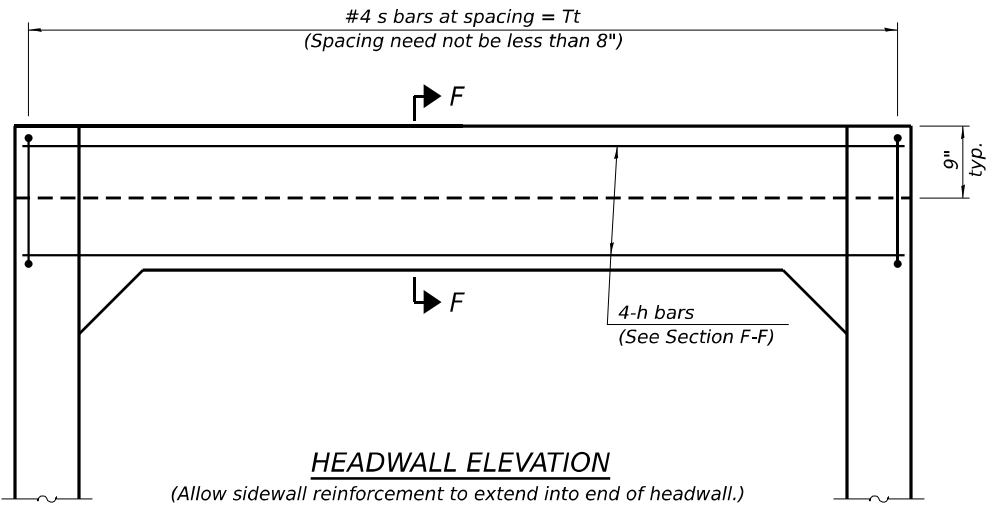
SECTION C-C



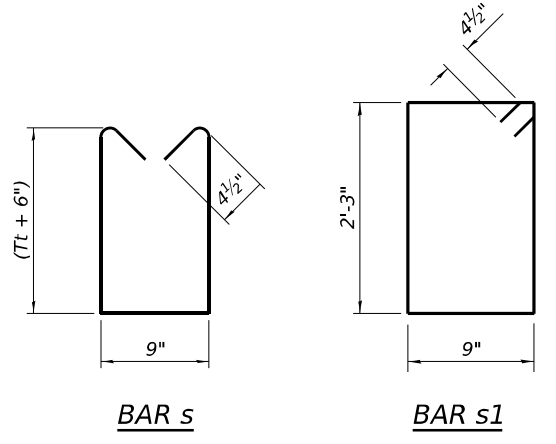
SECTION D-D



ALTERNATE SECTION D-D



HEADWALL ELEVATION



BAR s

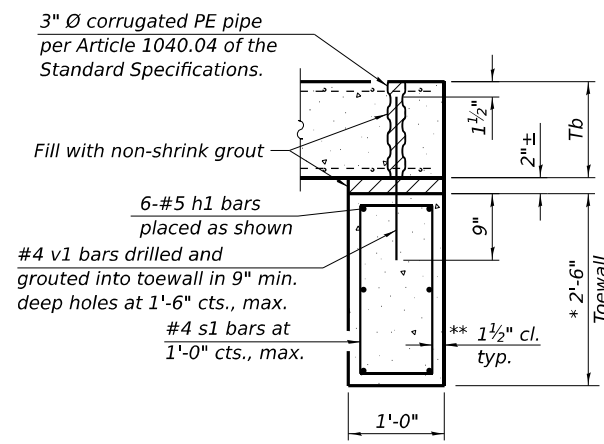
BAR s1

TOEWALL CONSTRUCTION SEQUENCE

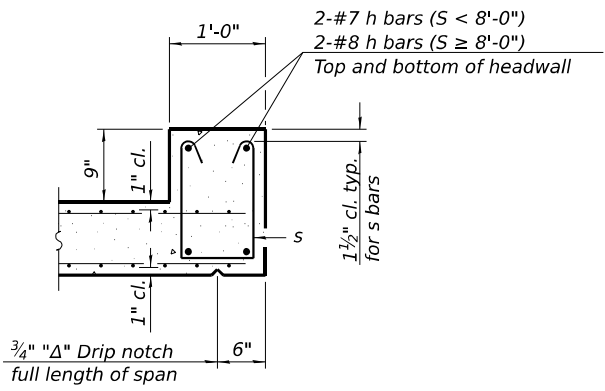
1. Perform excavation and construct toewall.
2. Backfill according to the applicable paragraphs of Article 502.10 of the Standard Specifications and place bedding for precast box culvert end sections.
3. Set precast box culvert end section.
4. Drill and epoxy grout reinforcement in toewall in accordance with Section 584 of the Standard Specifications.
5. Pressure grout voids using non-shrink grout conforming to Section 1024 of the Standard Specifications.

* The Contractor may furnish a precast or cast-in-place toewall. The Contractor shall be responsible for the strength and stability of the precast toewall during handling. Additional lifting points may be required depending upon the length of the toewall or the Contractor may need to modify the design of the toewall for the proposed handling the method.

** If soil conditions permit, the sides of the toewall may be poured directly against the soil. The clear cover on the sides of the toewall shall be increased to 3" by increasing the thickness of the toewall.



SECTION E-E



SECTION F-F

SCB-TES

5-15-2023

(Sheet 2 of 2)

MODEL: 000-PrecastTaperedEnd (Sheet) FILE NAME: P:\Projects\2023\03\2023 ST 00110 CAD\3_Sheet\2_Structural\0570144238075-002_000-PrecastTaperedEnd

AEG ATLAS ENGINEERING GROUP, LTD.

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PLOT SCALE = 5.33332267' / in.	DRAWN - EH	REVISED -
PLOT DATE = 3/21/2024	CHECKED - MBC	REVISED -
	DATE - 03/07/2024	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

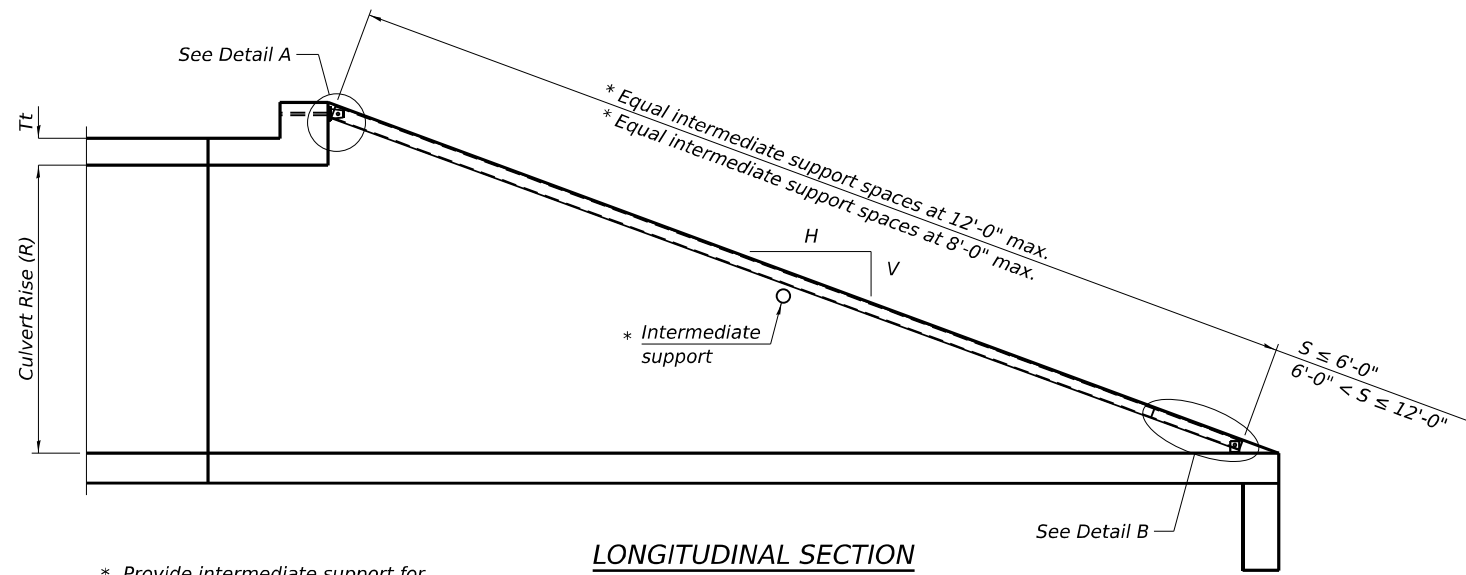
PRECAST CONCRETE BOX CULVERT TAPERED END SECTION DETAILS
STRUCTURE NO. 023-8075; CULVERT NO. 1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	116
CONTRACT NO.			70C14	
ILLINOIS FED. AID PROJECT				

SCALE: SHEET S-3 OF S-15 SHEETS STA. TO STA.

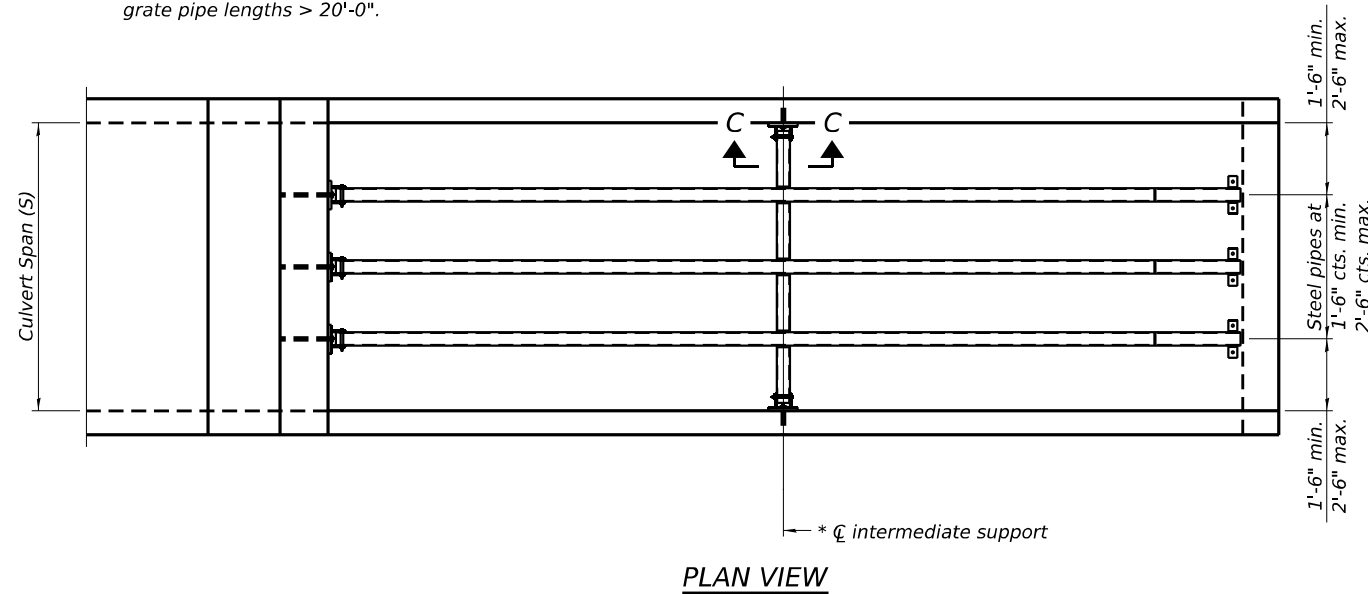
GENERAL NOTES

The minimum edge distance from the center of a hole to the free edge of a structural shape or plate shall be 1½" unless noted otherwise.
 This standard shall only be used on concrete end sections not skewed more than ±15 degrees with roadway.
 The Contractor may install the thru bolts using drilling and grouting in lieu of providing a formed hole using steel pipe. Installation shall be in accordance with Article 509.06 using a method that results in the annulus surrounding the bolt being completely filled with adhesive. The method of drilling shall not result in spalled concrete at the exit face. Epoxy grouted thru bolts shall be snug tightened followed by an additional ½ turn on the interior nut at final installation. Cost included with Traversable Pipe Grate.

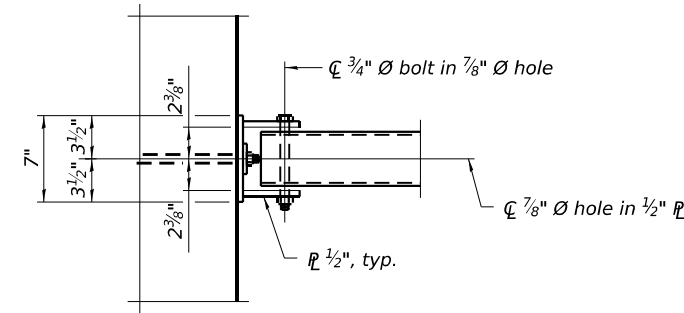


LONGITUDINAL SECTION

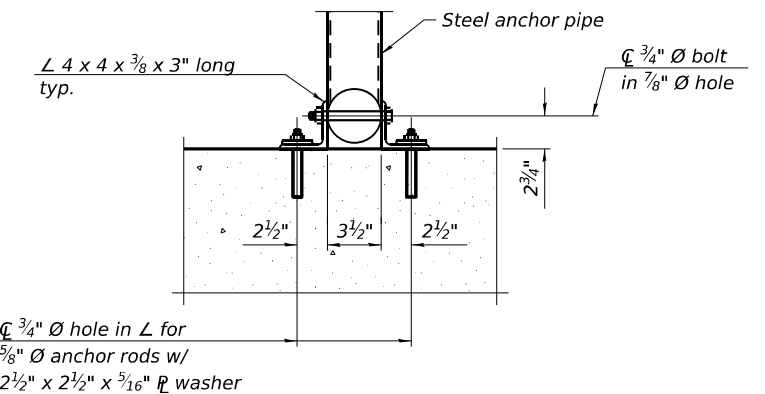
* Provide intermediate support for grate pipe lengths > 20'-0".



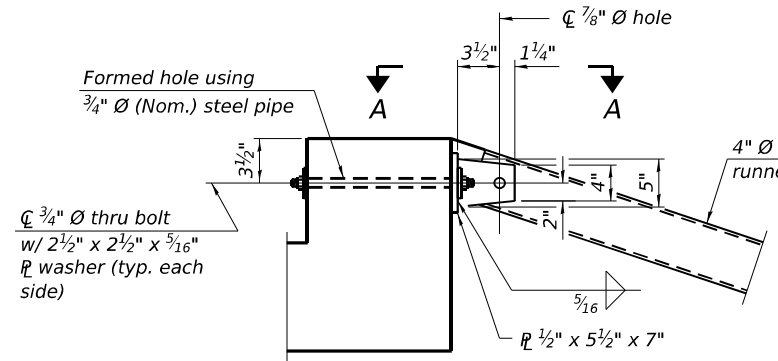
PLAN VIEW



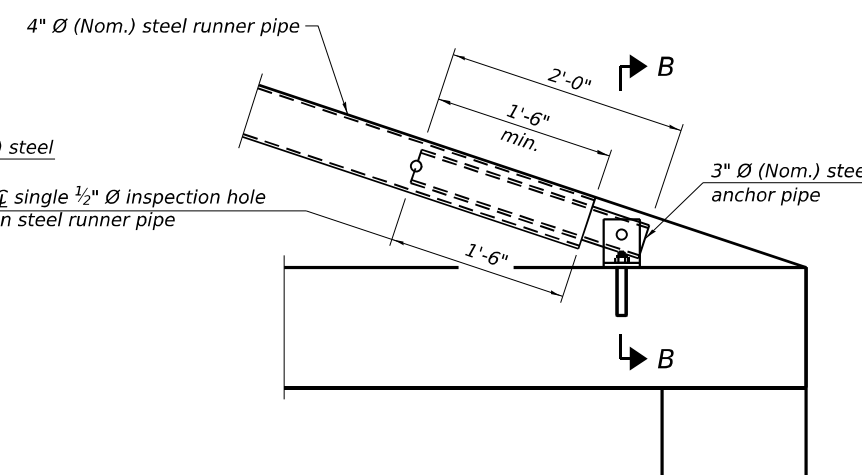
VIEW A-A



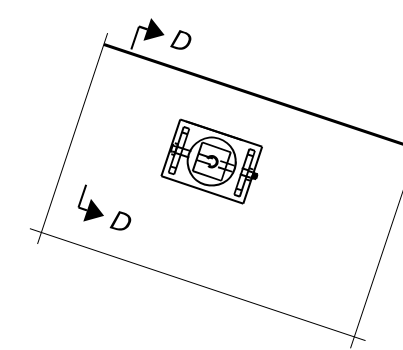
SECTION B-B



DETAIL A

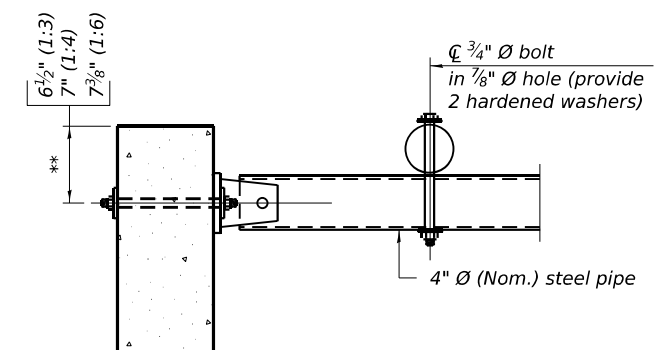


DETAIL B



VIEW C-C

(See Detail A for dimensions and details not shown.)



SECTION D-D

** Measured perpendicular to top of culvert wall. In addition, formed hole shall be located a minimum of 6" measured horizontally from any vertical joints necessary for construction of the culvert end section.

TPGBC-ZS

5-15-2023

(Sheet 1 of 2)

MODEL: 002-PrecastSignDel (Sheet) FILE NAME: P:\002-PrecastSignDel (Sheet)\002-PrecastSignDel (Sheet) 1.dwg PROJECT: 2023073 ST 00110 CAD03_Sheet12_Structural0570144238075404_005-RptGrateDet

AEG ATLAS ENGINEERING GROUP, LTD.

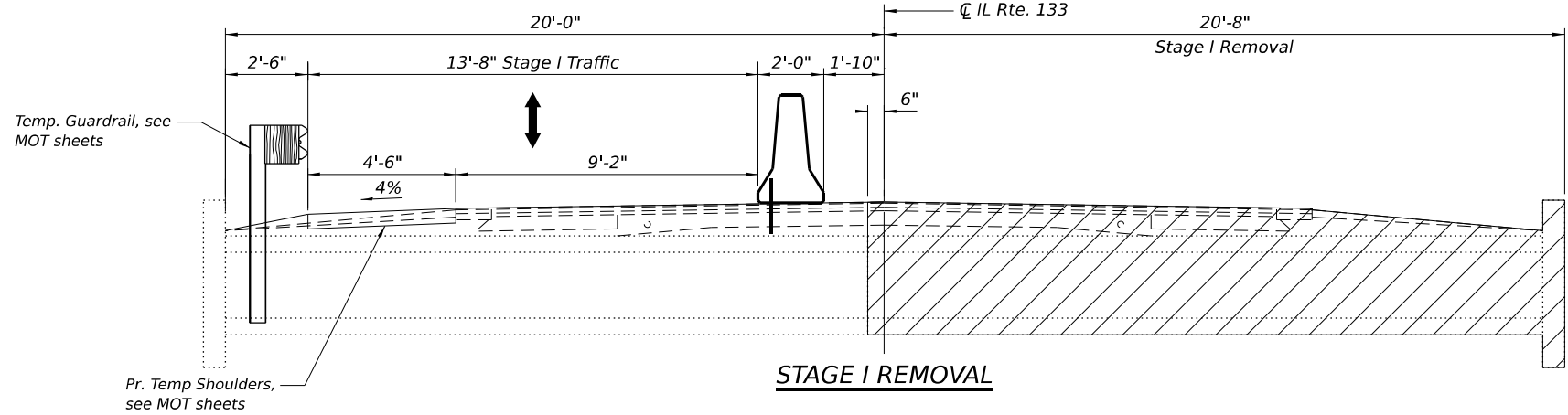
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DRAWN - EH	REVISED -	
PLOT SCALE = 5.33332267' / in.	CHECKED - MBC	REVISED -
PLOT DATE = 3/21/2024	DATE - 03/07/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

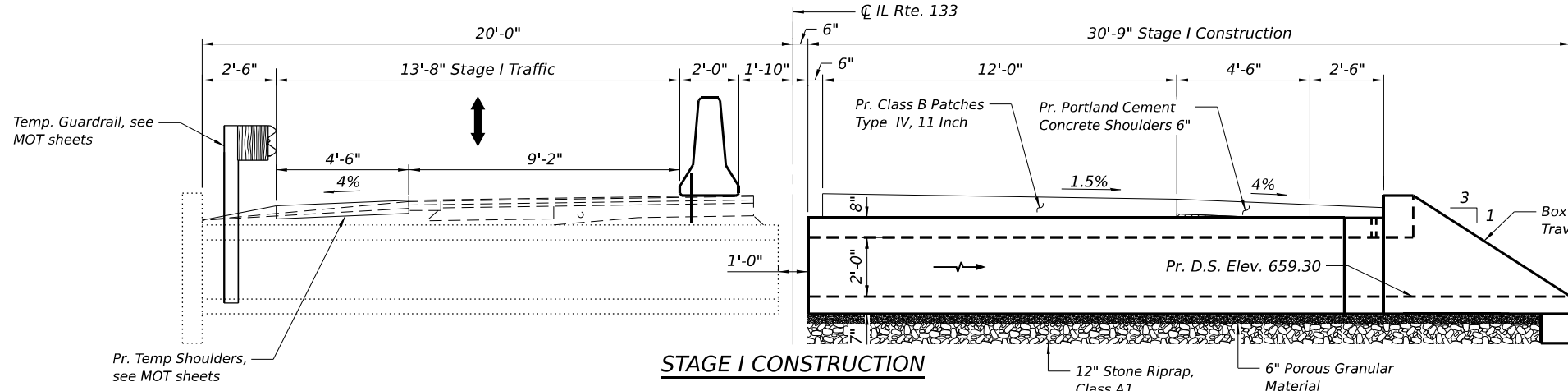
**TRAVERSABLE PIPE GRATE FOR BOX CULVERTS
STRUCTURE NO. 023-8075; CULVERT NO. 1**

SCALE: SHEET S-4 OF S-15 SHEETS STA. TO STA.

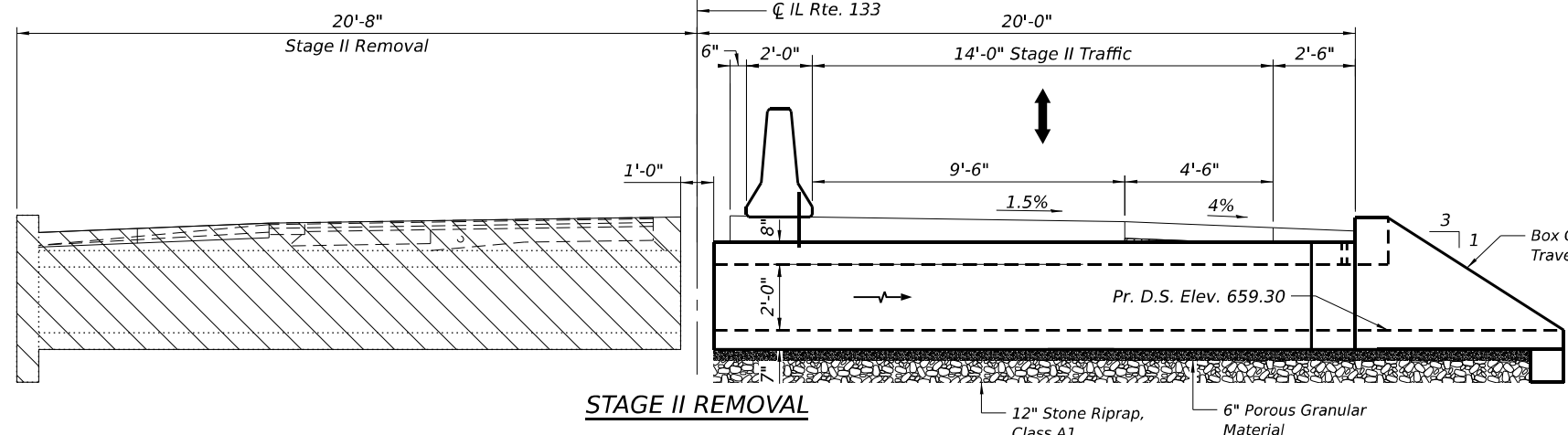
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	117
CONTRACT NO. 70C14			ILLINOIS FED. AID PROJECT	



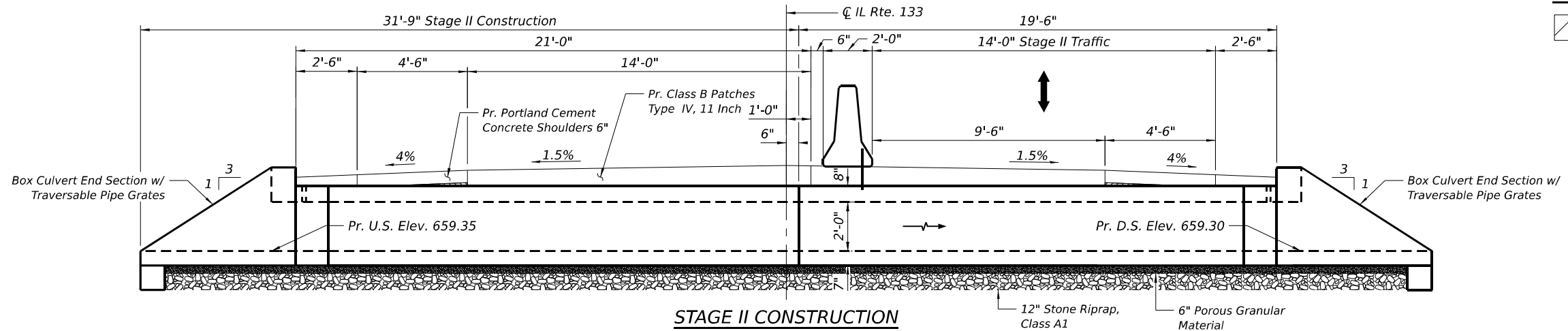
STAGE I REMOVAL



STAGE I CONSTRUCTION



STAGE II REMOVAL



STAGE II CONSTRUCTION

Notes:
 All elevations are looking upstation
 Refer to Special Provisions for Traffic Control and Protection, Standard 701206, and Stage Construction across Road Structures for additional information.
 Construct Downstream end of across road culvert first.
 See MOT sheets for CMS Board Placement, traffic control, and MOT details.
 See Roadway sheets for Class Patch details.
 High Early Strength Concrete Mix shall be used for the Construction of the Class Patches.

LEGEND
 Removal of Existing Structures

MODEL: 001-CPE-2 (Sheet) FILE NAME: \\atlaspc\p\2023\2023\110110 CAD\3_Sheet\12_Structural\0570144238075065Stage_Construction.dgn

AEG ATLAS ENGINEERING GROUP, LTD.

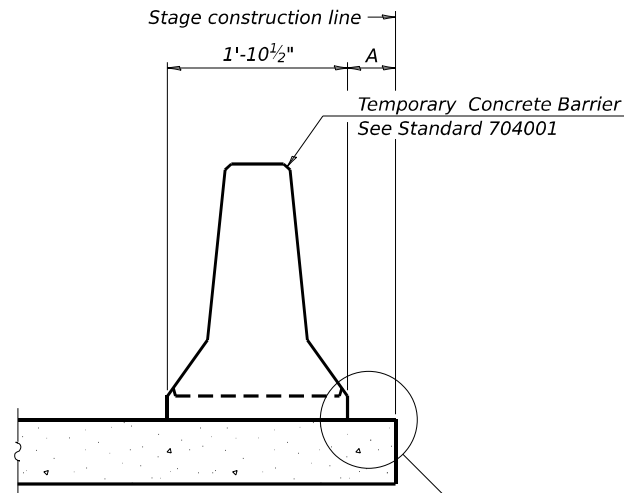
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DRAWN - KB	REVISED -	
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PLOT DATE = 3/21/2024	DATE - 02/25/2024	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAILS STRUCTURE NO. 023-8075; CULVERT NO. 1

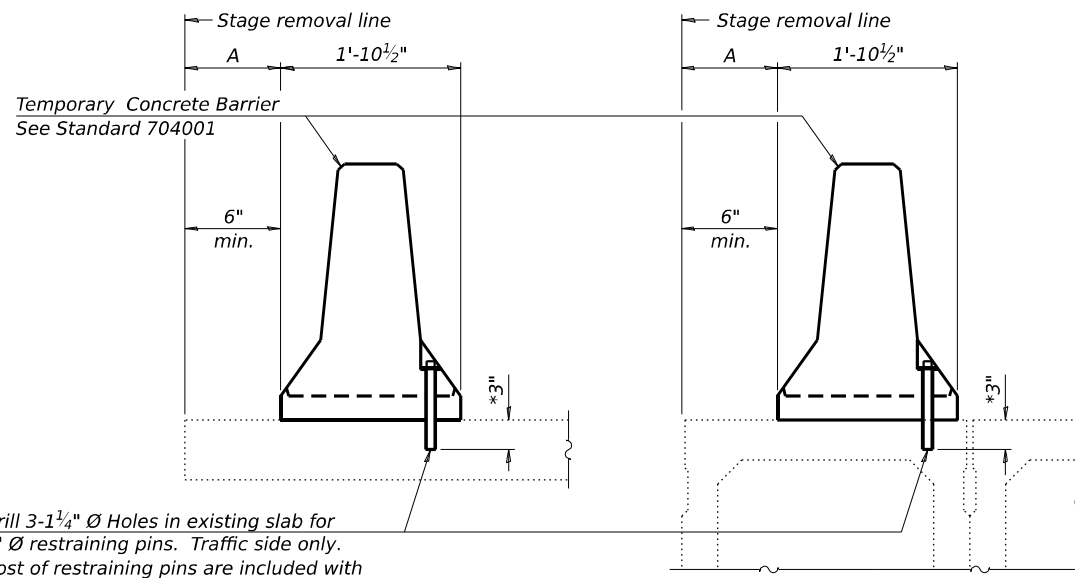
F.A.P. RTE. 749	SECTION (14)RS-3(122)RS-4,(14CR)	COUNTY EDGAR	TOTAL SHEETS 157	SHEET NO. 119
CONTRACT NO. 70C14			ILLINOIS FED. AID PROJECT	

SCALE: SHEET S-6 OF S-15 SHEETS STA. TO STA.



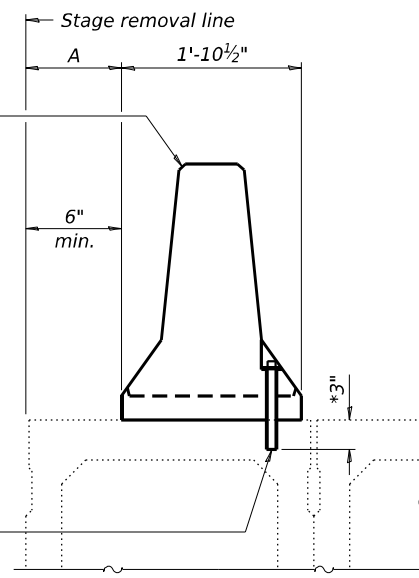
When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM



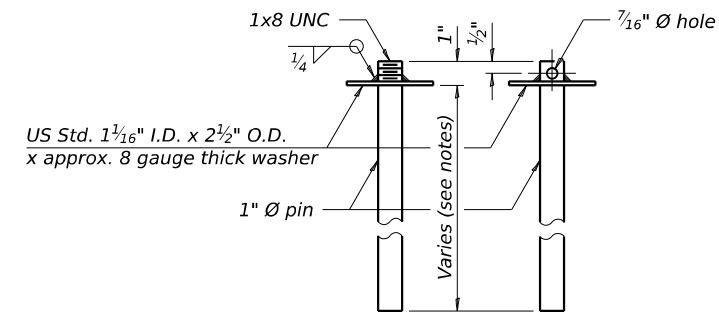
Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB



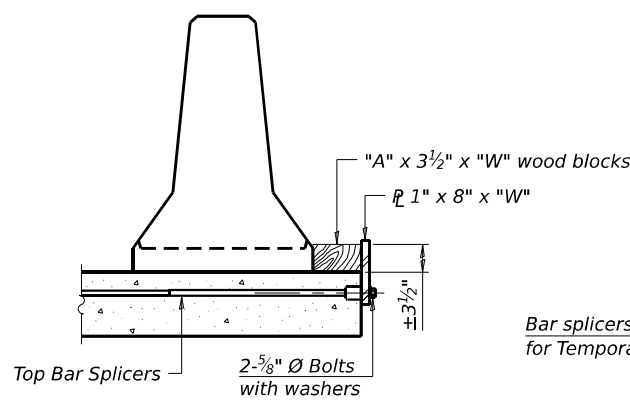
* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM

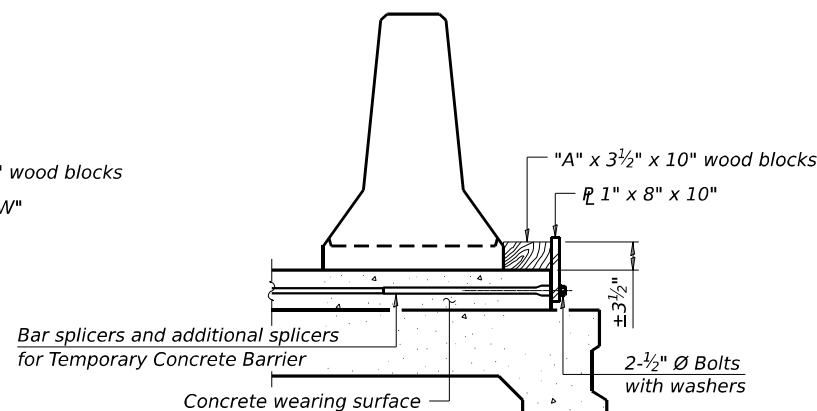


RESTRAINING PIN

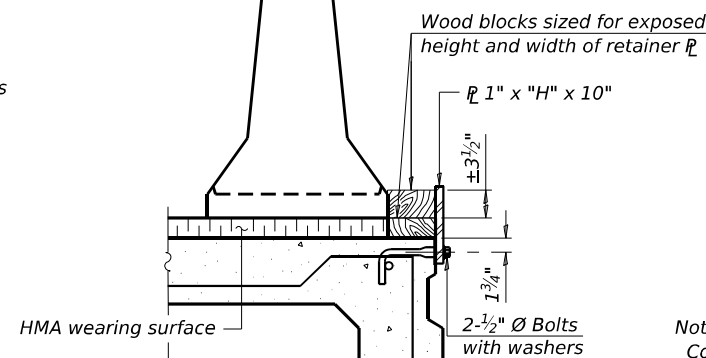
SECTIONS THRU SLAB OR DECK BEAM



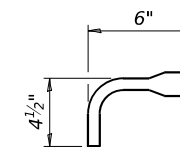
DETAIL I



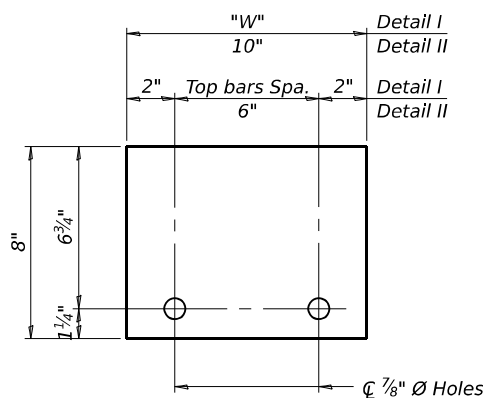
DETAIL II



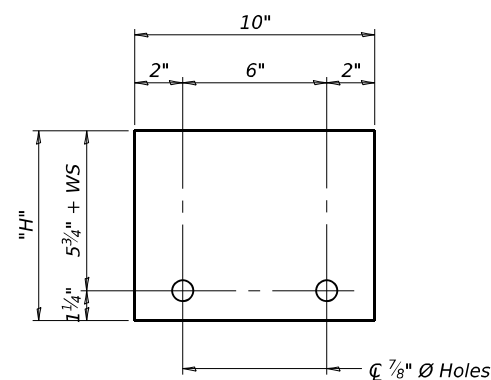
DETAIL III



BAR SPLICER FOR #4 BAR - DETAIL III



STEEL RETAINER $R 1" \times 8" \times "W"$
(Detail I and II)



STEEL RETAINER $R 1" \times "H" \times 10"$
(Detail III)

Notes:

- Cost of retainer assembly is included with Temporary Concrete Barrier.
- A retainer assembly shall be located at the approximate \bar{C} of each temporary concrete barrier.
- The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.
- When the 'A' dimension is less than 1 1/2", the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate.
- For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

Detail I - Installation for a new bridge deck or bridge slab.

Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.

Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

RAILING CRITERIA

NCHRP 350 Test Level	3
Railing Weight (plf)	440

R-27 5-15-2023

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	DRAWN - EH	REVISED -
PLOT SCALE = 5.33332267' / in.	CHECKED - MBC	REVISED -
PLOT DATE = 3/21/2024	DATE - 02/25/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER
STRUCTURE NO. 023-8075; CULVERT NO. 1

SCALE: SHEET S-7 OF S-15 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	120
CONTRACT NO. 70C14			ILLINOIS FED. AID PROJECT	

MODEL: 00c-PrecastSignDel (Rev) FILE NAME: P:\Bids\2023\2023\11\10\110 CAD\3_Sheet112_Structural\0570144238075-07-0mpConcreteBarrier

Benchmark: 0' RT Sta. 393+00. Elev. 685.36

Existing Structure: S.N. 023-8040 originally built under F.A. Route 175 under Section 14 in 1940. The structure is a single barrel 7'-0" x 2'-6" reinforced concrete box culvert with no skew. The out to out headwall length is 43'-4".

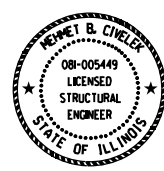
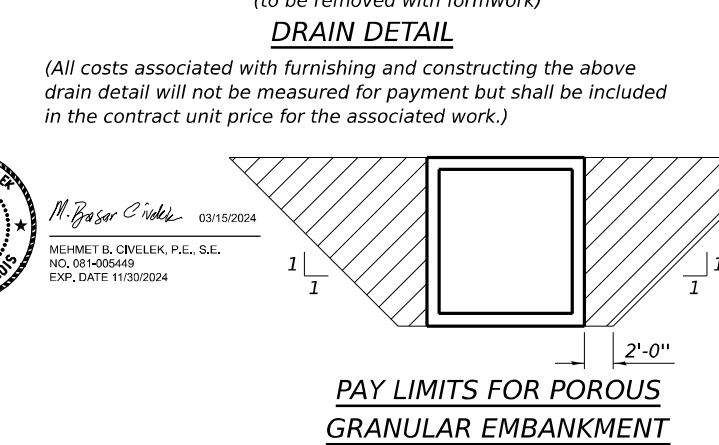
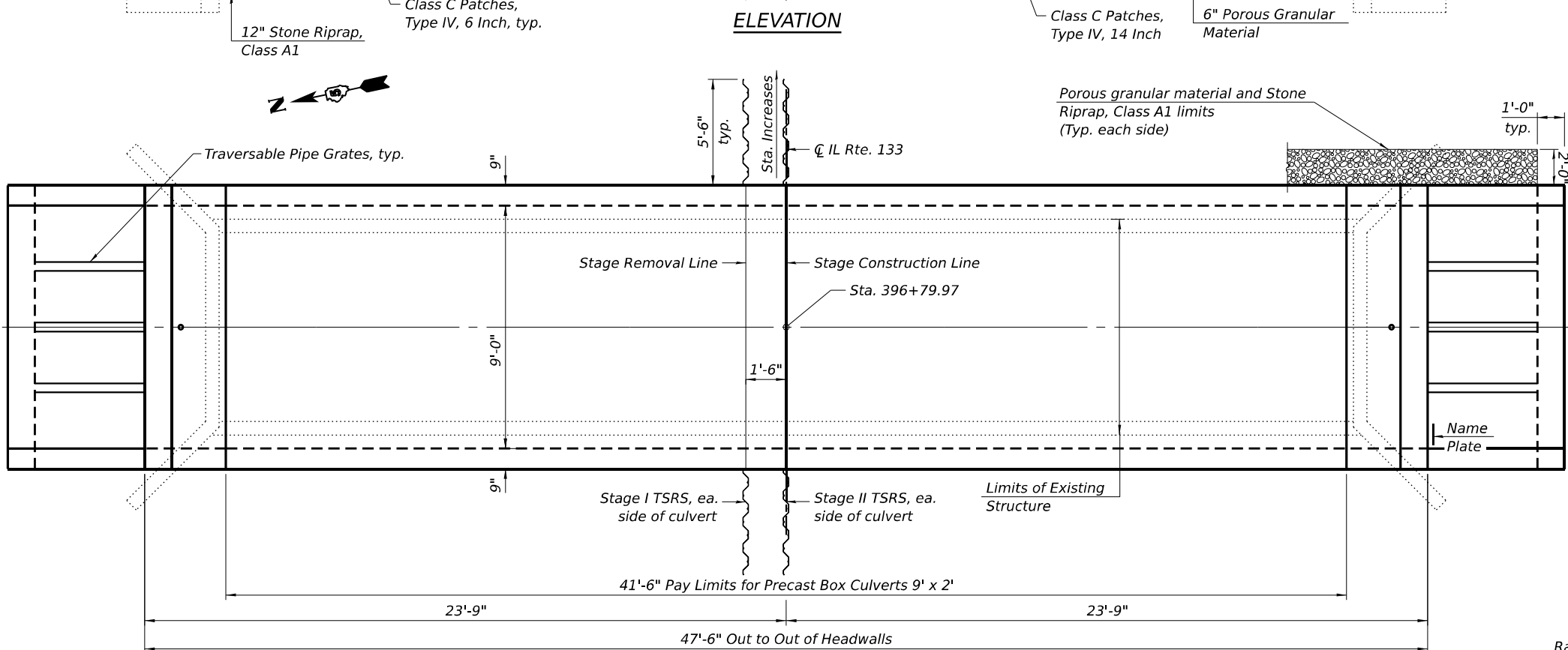
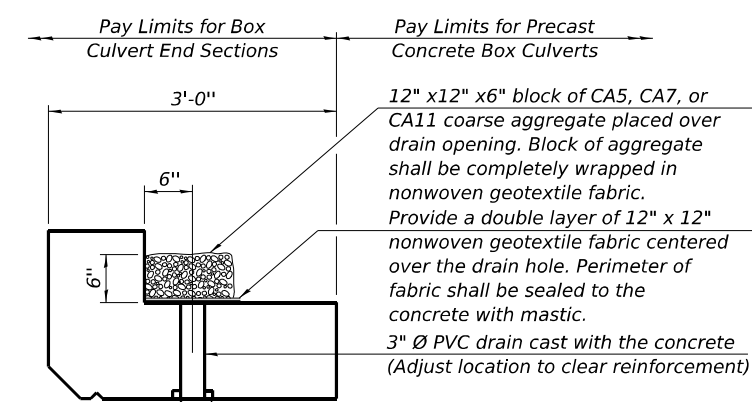
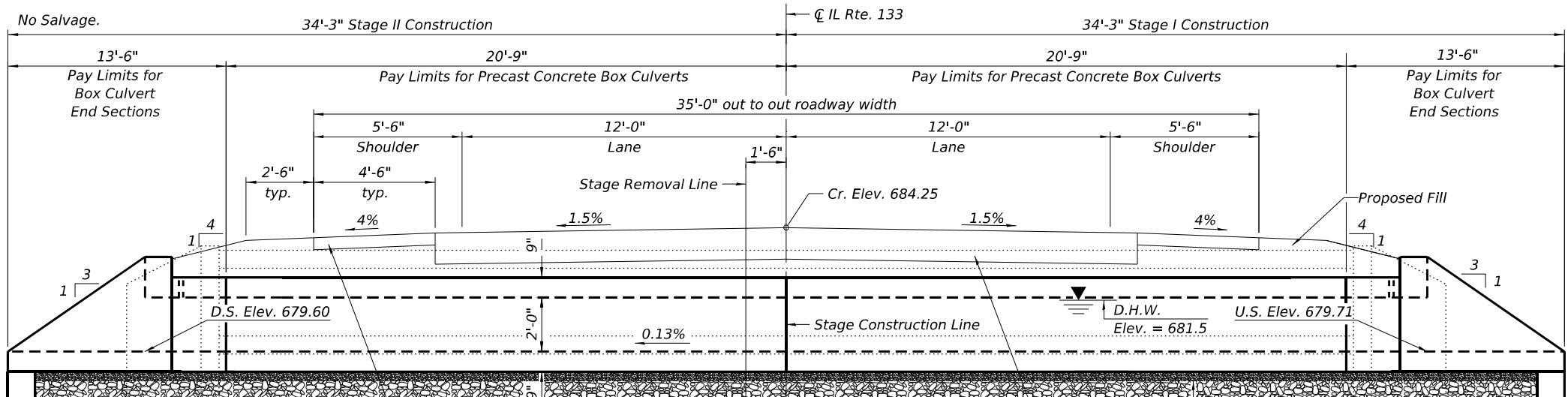
Traffic Control: Staged construction will be used to remove existing structure and to install the precast sections of the culvert while maintaining one lane of alternating traffic.

INDEX OF SHEETS

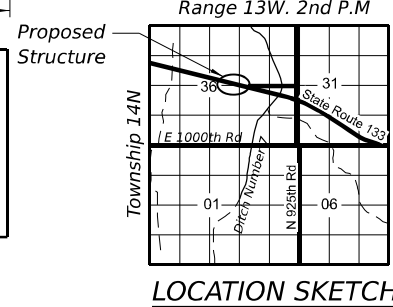
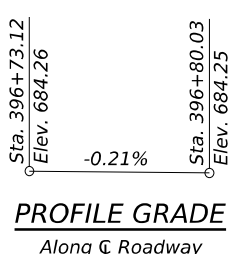
- S-8 General Plan and Elevation
- S-9-S-10 Precast Concrete Box Culvert Tapered End Section Details
- S-11-S-12 Traversable Pipe Grate for Box Culverts
- S-13 Stage Construction Details
- S-14 Temporary Concrete Barrier for Stage Construction

GENERAL NOTES

The design fill height for this box is 1'-5". The precast box culvert sections shall conform to the requirements of ASTM C 1577. Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard. Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment in the required excavation areas on the sides of the box culvert from the top of the box culvert to the bottom of the box culvert. This area of PGE is included in the Porous Granular Embankment pay item. The 6-inch thick layer of porous granular material required under the precast concrete box culvert, according to Section 540.06 of the standard specifications, shall also apply to the end sections. Cost of this porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required. See sheet S-15 for Porous Granular Embankment District 5 Detail No. 20700220.



M. Basar Civelek 03/15/2024
 MEHMET B. CIVELEK, P.E., S.E.
 NO. 081-005449
 EXP. DATE 11/30/2024



TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu. Yd.	61
Exploration Trench 60" Depth	Foot	100
Stone Riprap, Class A1	Ton	80
Removal of Existing Structures, No. 2	Each	1
Name Plates	Each	1
Temporary Soil Retention System	Sq. Ft.	53
Box Culvert End Sections, Culvert No. 2	Each	2
Precast Concrete Box Culverts, 9' x 2'	Foot	42
Traversable Pipe Grate for Concrete End Section	Foot	56
Geocomposite Wall Drain	Sq. Yd.	64
Permanent Bench Marks	Each	1
Membrane Waterproofing System for Buried Structures	Sq. Yd.	64

WATERWAY INFORMATION

Drainage Area = 323 acre

Exist. Low Grade Elev. = 684.21 @ Sta. 396+90.08
 Prop. Low Grade Elev. = 684.21 @ Sta. 396+90.08

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Head - Ft.		Headwater El.		
			Exist.	Prop.	Exist.	Prop.	Exist.	Prop.	
Design	10	80	12	15	681.4	1.0	0.6	682.4	682.0
Base	50	114	13	16	681.5	1.6	1.1	683.1	682.6
Overtopping Exist.	100	133	13	17	681.6	2.0	1.6	683.6	683.1
Overtopping Prop.	180	151	13	-	681.6	2.6	-	684.2	-
Overtopping Prop.	265	164	-	18	681.7	-	2.5	-	684.2

10 Year Outlet Velocity from Existing Culvert = 6.87 fps | 10 Year Outlet Velocity from Proposed Culvert = 5.35 fps

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications
 Customary U.S. Units, 9th Edition

DESIGN STRESSES

PRECAST UNITS
 f_c = 5,000 psi
 f_y = 65,000 psi (Welded Wire Reinforcement)

FIELD UNITS
 f_c = 3,500 psi
 f_y = 60,000 psi (Reinforcement)
 f_y = 65,000 psi (Welded Wire Reinforcement)

NAME PLATE

See Std. 515001



USER NAME = eamonhomedt	DESIGNED - EH	REVISED -
PLOT SCALE = 5.33332267' / in.	DRAWN - EH	REVISED -
PLOT DATE = 3/21/2024	CHECKED - MBC	REVISED -
	DATE - 02/25/2024	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION

STRUCTURE NO. 023-8076; CULVERT NO. 2

SCALE: SHEET S-8 OF S-15 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14CR)	EDGAR	157	121
CONTRACT NO. 70C14			ILLINOIS FED. AID PROJECT	

GENERAL NOTES

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. This work will be measured for payment as each, with each end of each culvert being one each. End sections will be paid for at the contract unit price per each for Box Culvert End Sections of the culvert number specified.

Typical box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements of ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

Number of segments shown in Elevation is for example only. Length and number of precast box sections required to construct Box Culvert End Sections shall be determined by the Contractor.

See roadway plans for embankment slope (V:H).

1" Ø anchor rods for the culvert ties shall conform to the requirements of ASTM F1554, Grade 105. Structural steel for tie plate and restraint angle shall conform to the requirements of Article 1006.04 of the Standard Specifications. All components of the culvert tie detail shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable.

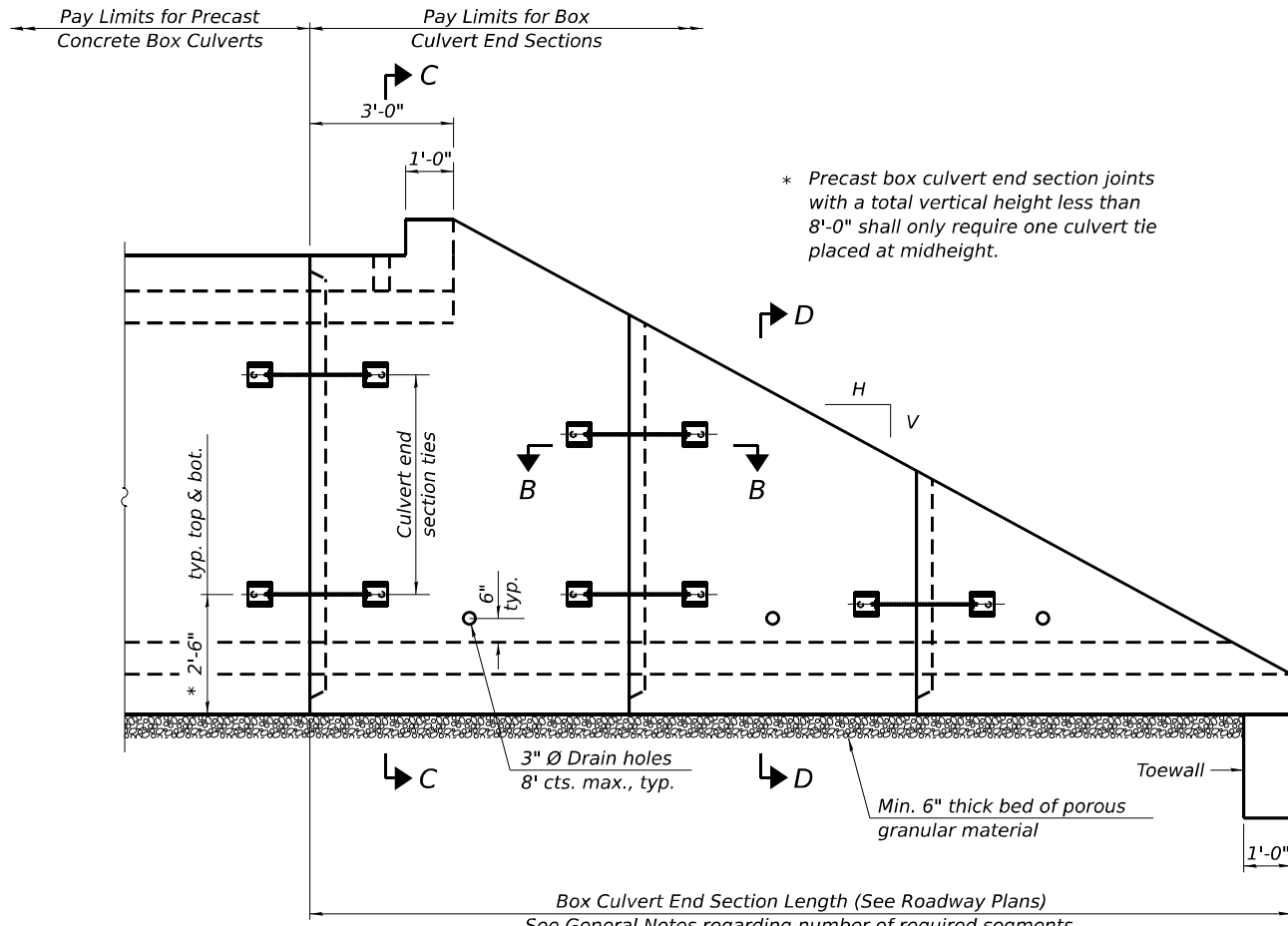
2 1/4" x 2 1/4" x 5/16" plate washers shall be provided under each nut required for the anchor rods. Anchor rods connecting precast sections shall be brought to a snug tight condition followed by an additional 1/2 turn on one of the nuts for anchor rods installed in the walls. Match marks shall be provided on the bolt and nut to verify relative rotation between the bolt and the nut. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of using formed holes.

All costs associated with furnishing and installing or constructing the toewall and culvert ties will not be measured for payment but shall be included in the contract unit price for Box Culvert End Sections of the culvert number specified.

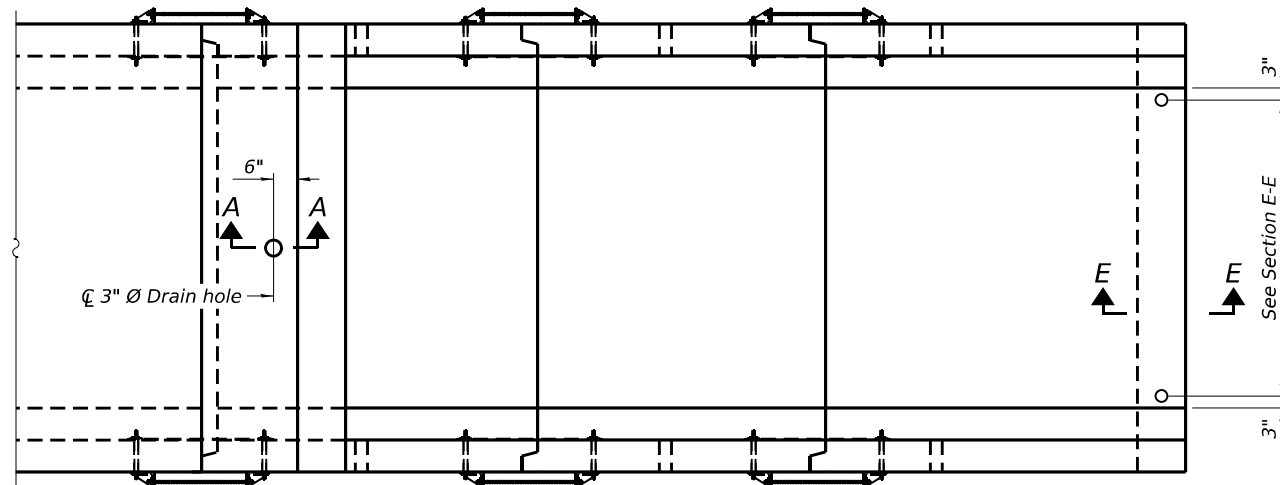
Drain holes shall conform to the requirements of Article 503.11 of the Standard Specifications unless noted otherwise.

Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01. The minimum weight of the fabric shall be 6 oz. / sq. yd..

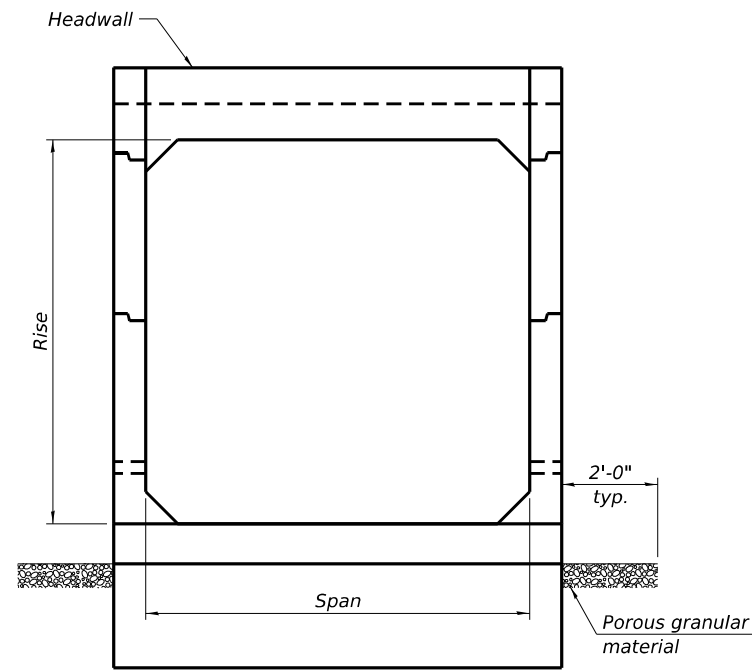
For end sections with traversable pipe grate systems, see grate detail sheet for required modifications.



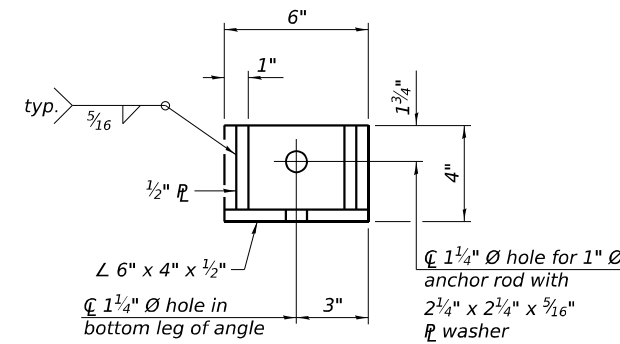
ELEVATION



PLAN



END VIEW



RESTRAINT ANGLE DETAIL

12" x 12" x 6" block of CA5, CA7, or CA11 coarse aggregate placed over drain opening. Block of aggregate shall be completely wrapped in nonwoven geotextile fabric.

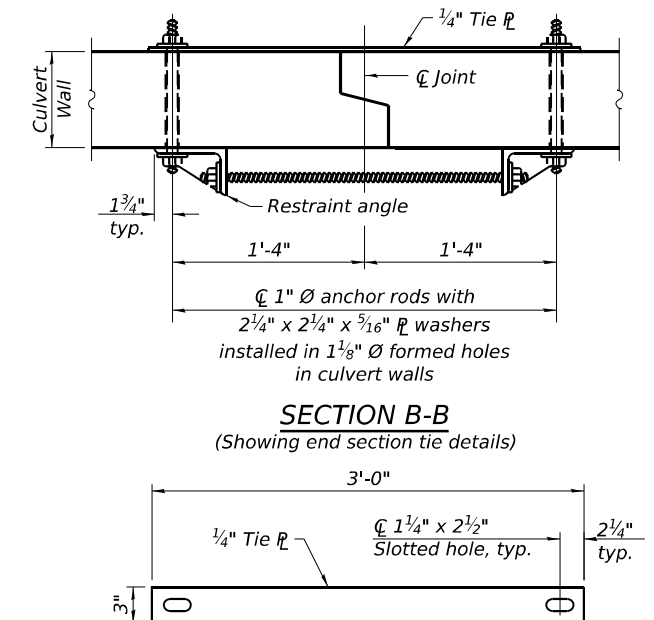
Provide a double layer of 12" x 12" nonwoven geotextile fabric centered over the drain hole. Fabric shall be sealed to the concrete with mastic.

3" Ø PVC drain cast with the concrete (Adjust location to clear reinforcement).

1/2" Square foam blockout around PVC drain (to be removed with formwork)

SECTION A-A

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)



SECTION B-B
(Showing end section tie details)

TIE PLATE DETAIL

(Sheet 1 of 2)

MODEL: 00c-PrecastTaperedEnd (Sheet) FILE NAME: P:\Projects\2023\08\11\10 CAD\3_Sheet\12_Structural\0570c1442380754909_01c-PrecastTaperedEnd

SCB-TES

5-15-2023

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USER NAME = eamonhomedt	DESIGNED - EH	REVISED -
	DRAWN - EH	REVISED -
PLOT SCALE = 5.33332267' / in.	CHECKED - MBC	REVISED -
PLOT DATE = 3/21/2024	DATE - 03/08/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRECAST CONCRETE BOX CULVERT TAPERED END SECTION DETAILS
STRUCTURE NO. 023-8076; CULVERT NO. 2

SCALE: SHEET S-9 OF S-15 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14CR)	EDGAR	157	122
CONTRACT NO. 70C14			ILLINOIS FED. AID PROJECT	

As1m REINFORCEMENT		(in. ² /ft)										
Rs (in.)	Rise (ft)	2	3	4	5	6	7	8	9	10	11	12
4	0.19	0.17										
5	0.26	0.21	0.18									
6	0.22	0.26	0.23	0.22								
7	0.25	0.33	0.39	0.27	0.28							
8	0.40	0.35	0.43	0.39	0.36	0.34	0.40					
9	0.44	0.39	0.35	0.43	0.40	0.37	0.36	0.48				
10	0.48	0.42	0.38	0.47	0.44	0.41	0.38	0.42	0.56			
11	0.52	0.45	0.54	0.50	0.46	0.44	0.41	0.46	0.50	0.65		
12	0.55	0.49	0.58	0.54	0.50	0.48	0.45	0.46	0.46	0.61	0.75	

(As1m reinforcement based upon welded wire reinforcement conforming to AASHTO M 55 or M 221).

l₁ DIMENSION

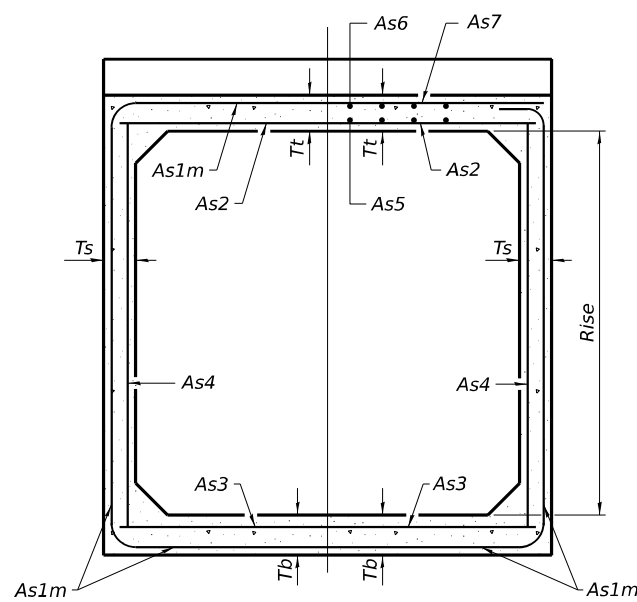
- #3 bar = 2'-0"
- #4 bar = 2'-8"
- #5 bar = 3'-4"
- #6 bar = 3'-11"

Notes:

Alternate Section D-D is provided to allow the Contractor the option of casting the bottom slab of the end section first followed by construction of the sidewalls using conventional forming methods. Shop drawings that detail slab thickness and reinforcement layout shall be submitted to the Engineer for review and approval when using Alternate Section D-D.

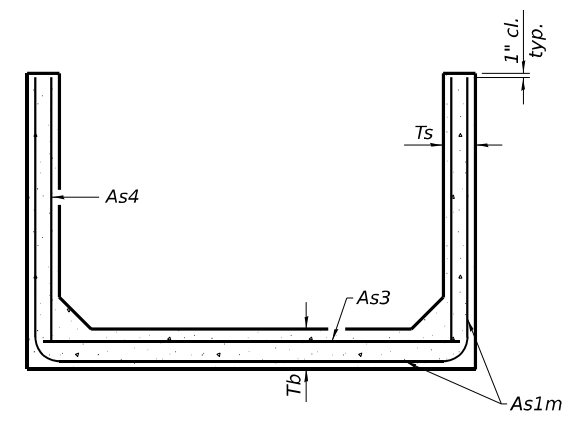
The size and spacing of the v2 bars shall provide a minimum reinforcement area along each face of the walls (in.²/ft.) equal to 1.10*(As1m). v2 bars may consist of #3 thru #6 size reinforcement bars and the longitudinal spacing shall not exceed the lesser of the wall thickness or 8 inches.

Bonded construction joints shall be prepared according to Article 503.09 of the Standard Specifications.

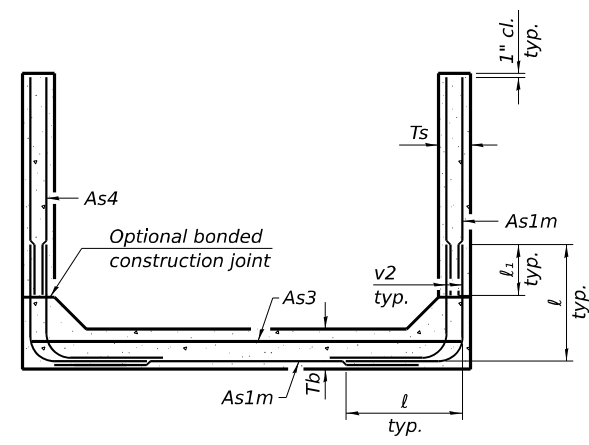


(Design Earth Cover ≥ 2 ft) (Design Earth Cover < 2 ft)

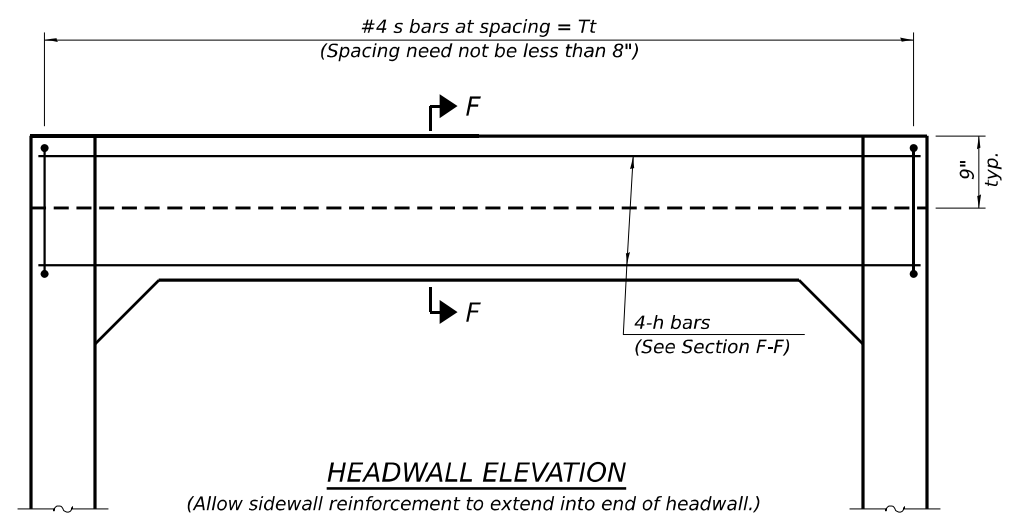
SECTION C-C



SECTION D-D

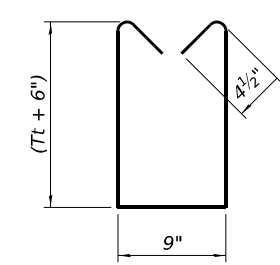


ALTERNATE SECTION D-D

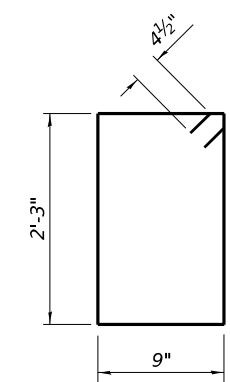


HEADWALL ELEVATION

(Allow sidewall reinforcement to extend into end of headwall.)



BAR s



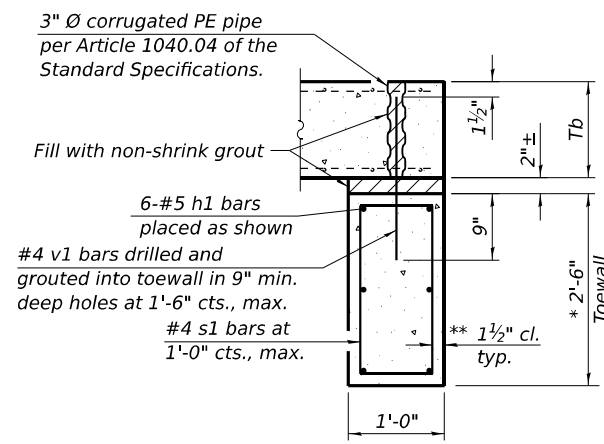
BAR s1

TOEWALL CONSTRUCTION SEQUENCE

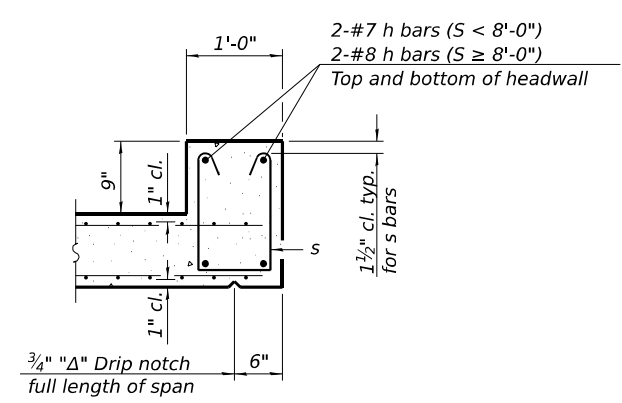
1. Perform excavation and construct toewall.
2. Backfill according to the applicable paragraphs of Article 502.10 of the Standard Specifications and place bedding for precast box culvert end sections.
3. Set precast box culvert end section.
4. Drill and epoxy grout reinforcement in toewall in accordance with Section 584 of the Standard Specifications.
5. Pressure grout voids using non-shrink grout conforming to Section 1024 of the Standard Specifications.

* The Contractor may furnish a precast or cast-in-place toewall. The Contractor shall be responsible for the strength and stability of the precast toewall during handling. Additional lifting points may be required depending upon the length of the toewall or the Contractor may need to modify the design of the toewall for the proposed handling method.

** If soil conditions permit, the sides of the toewall may be poured directly against the soil. The clear cover on the sides of the toewall shall be increased to 3" by increasing the thickness of the toewall.



SECTION E-E



SECTION F-F

MODEL: 000-PrecastElevEndDet (Rev) FILE NAME: P:\Users\p\Documents\Projects\02-20-23 ST 00110 CAD\3-Sheet\2-Structural\0570514-230807-5009_01U-PrecastElevEndDet

SCB-TES 15-2023

	USER NAME = eamhomedt	DESIGNED - EH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PRECAST CONCRETE BOX CULVERT TAPERED END SECTION DETAILS STRUCTURE NO. 023-8076; CULVERT NO. 2		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 3/21/2024	DATE - 03/08/2024	REVISED -				CONTRACT NO. 70C14				

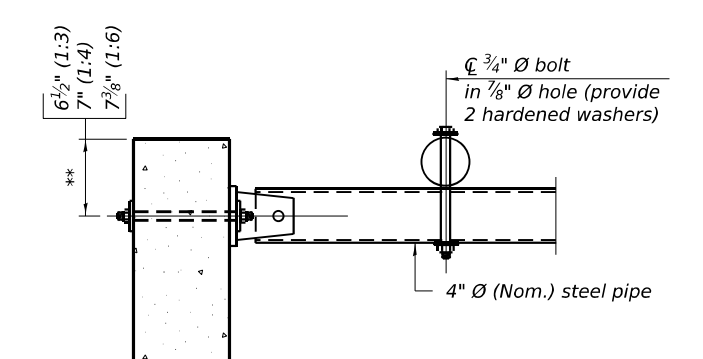
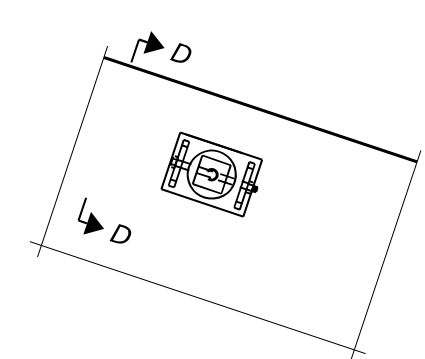
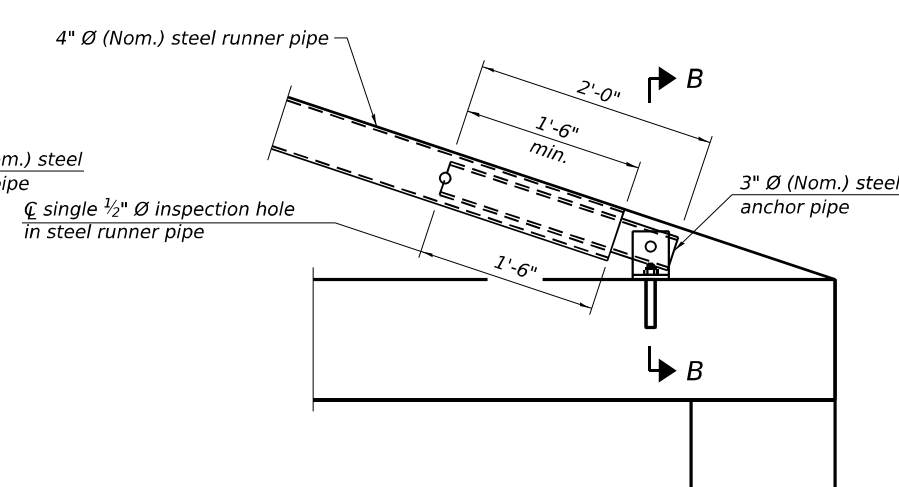
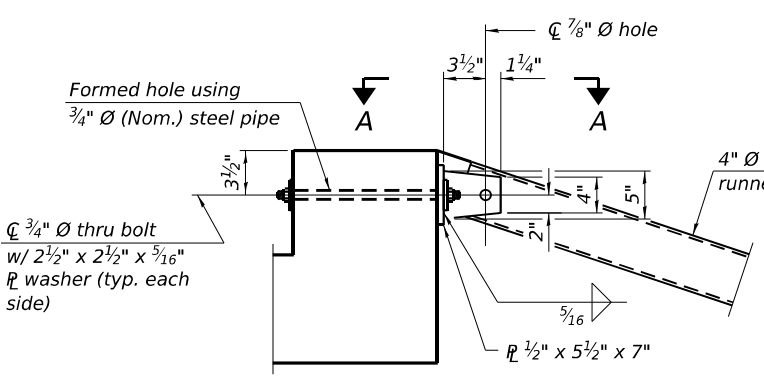
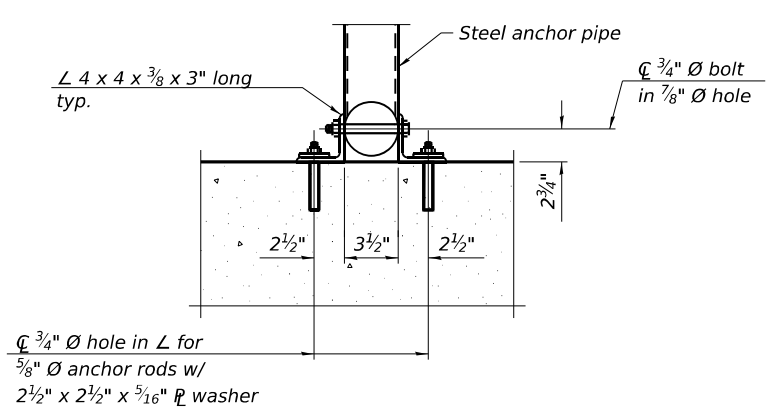
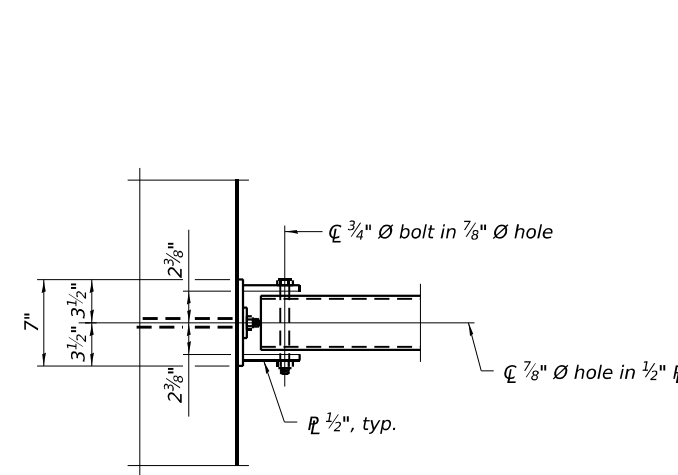
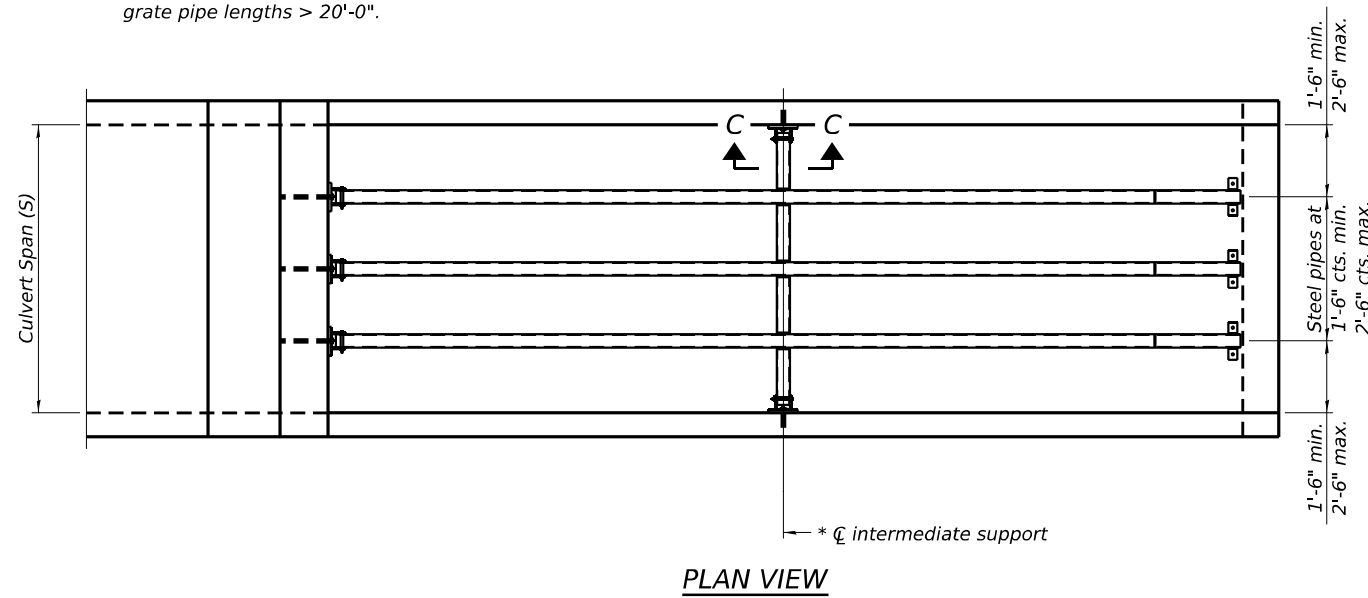
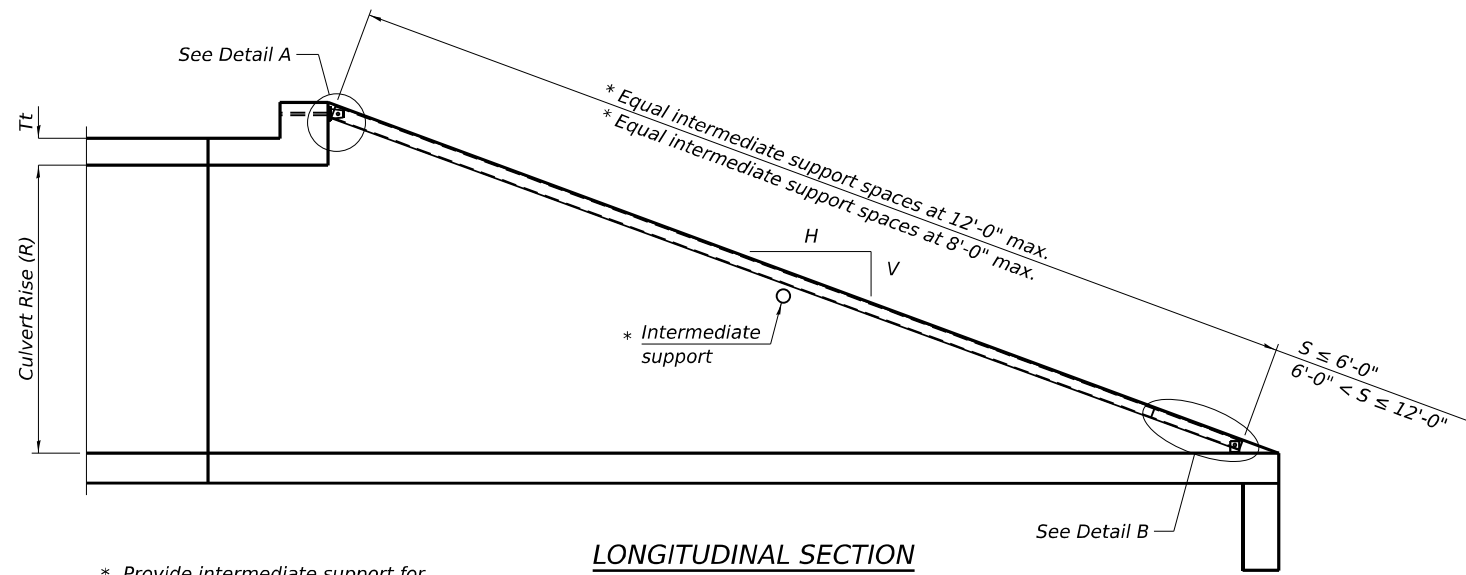
(Sheet 2 of 2)

SCALE: SHEET S-10 OF S-15 SHEETS STA. TO STA.

ILLINOIS FED.AID PROJECT

GENERAL NOTES

The minimum edge distance from the center of a hole to the free edge of a structural shape or plate shall be 1½" unless noted otherwise.
 This standard shall only be used on concrete end sections not skewed more than ±15 degrees with roadway.
 The Contractor may install the thru bolts using drilling and grouting in lieu of providing a formed hole using steel pipe. Installation shall be in accordance with Article 509.06 using a method that results in the annulus surrounding the bolt being completely filled with adhesive. The method of drilling shall not result in spalled concrete at the exit face. Epoxy grouted thru bolts shall be snug tightened followed by an additional ½ turn on the interior nut at final installation. Cost included with Traversable Pipe Grate.



VIEW C-C
 (See Detail A for dimensions and details not shown.)

** Measured perpendicular to top of culvert wall. In addition, formed hole shall be located a minimum of 6" measured horizontally from any vertical joints necessary for construction of the culvert end section.

TPGBC-ZS 5-15-2023

(Sheet 1 of 2)



USER NAME = eamonhomedt	DESIGNED - EH	REVISED -
PLOT SCALE = 5.33332267' / in.	DRAWN - EH	REVISED -
PLOT DATE = 3/21/2024	CHECKED - MBC	REVISED -
	DATE - 03/08/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAVERSABLE PIPE GRATE FOR BOX CULVERTS
 STRUCTURE NO. 023-8076; CULVERT NO. 2**

SCALE: SHEET S-11 OF S-15 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	124
CONTRACT NO. 70C14				

ILLINOIS FED. AID PROJECT

MODEL: 00c-PrecastSignDel (Sheet)
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 PROJECT: 2023073 ST 00110 CAD03_Sheet12_Structural0570C14-238076S11_012-PipeGrateDet

PIPE-GRATE SCHEDULE FOR BOX CULVERT END SECTIONS

Table with columns: Precast Box Culvert Dimensions (S, R, Tt) and Slope of End Section (1:3, 1:4, 1:6) with sub-columns for Main Pipe, Int. Support, and Total Length. Rows 4-12 for each slope.

(Sheet 2 of 2)

TPGBC-ZS

5-15-2023

Metadata table with fields: USER NAME, DESIGNED, DRAWN, PLOT SCALE, PLOT DATE.

Metadata table with fields: REVISIONS (DESIGNED, DRAWN, CHECKED, DATE).

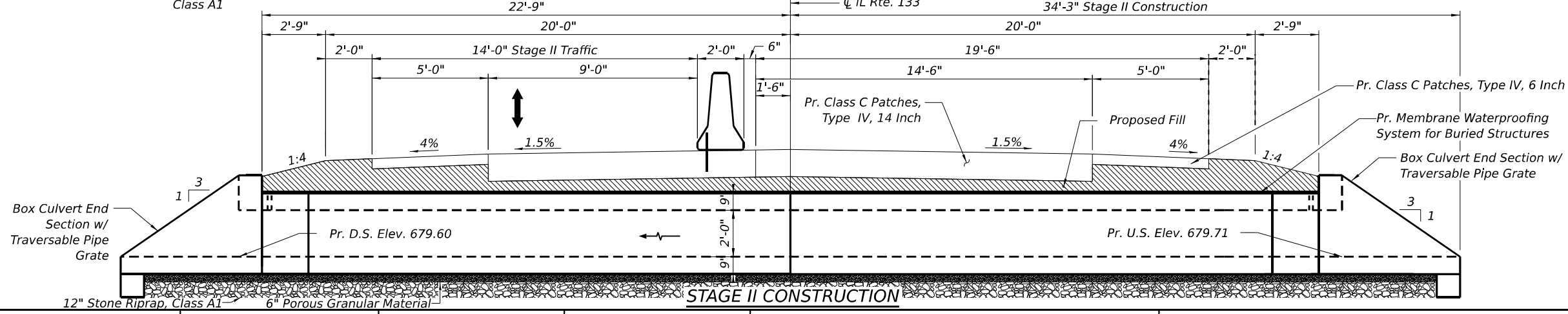
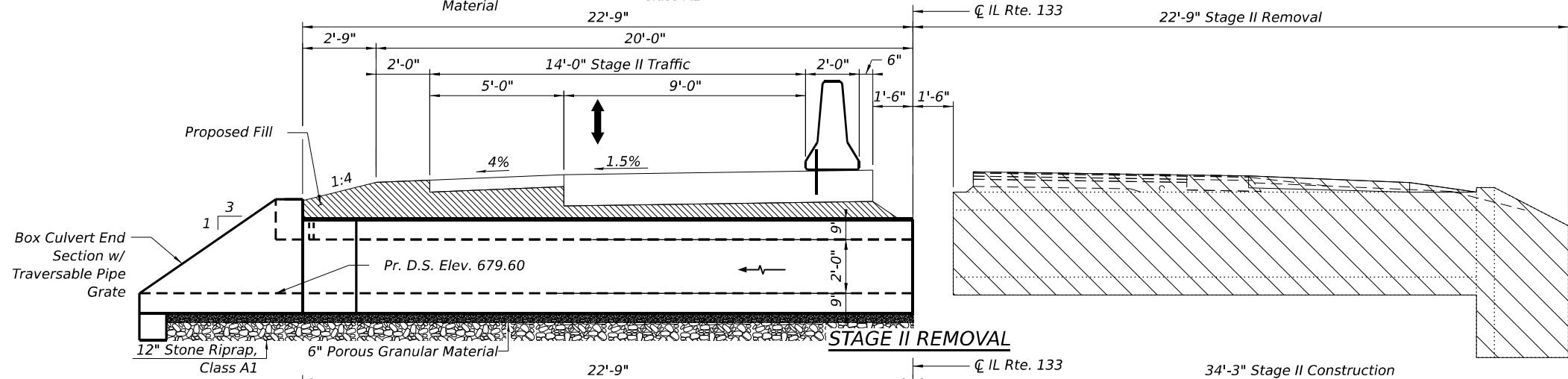
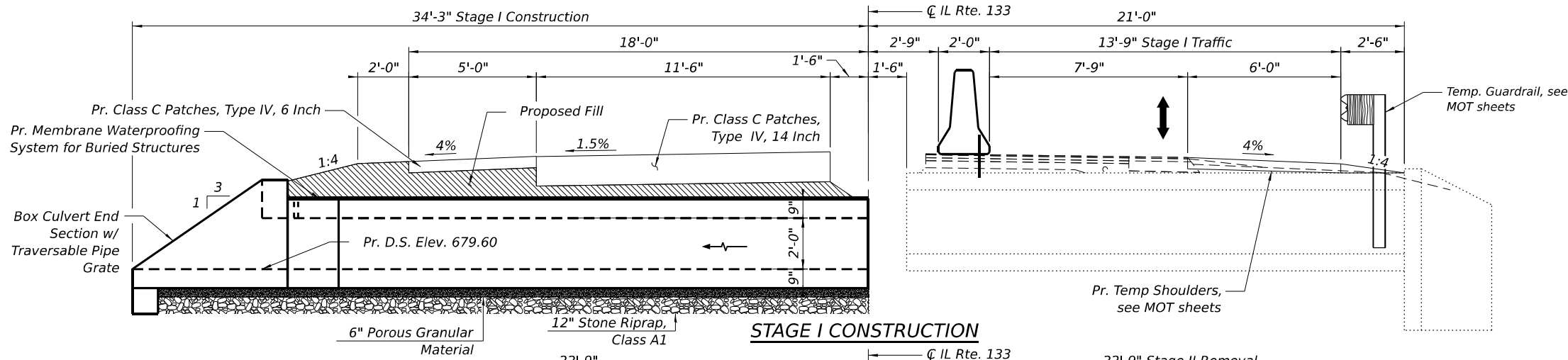
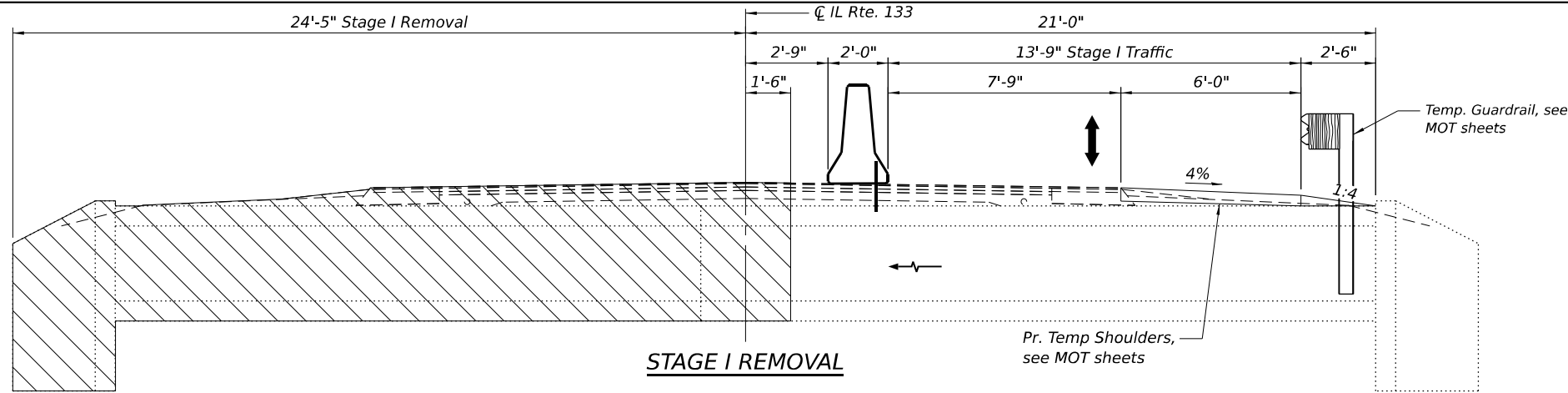
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAVERSABLE PIPE GRATE FOR BOX CULVERTS STRUCTURE NO. 023-8076; CULVERT NO. 2

SCALE: SHEET S-12 OF S-15 SHEETS STA. TO STA.

Summary table with fields: SECTION, COUNTY, TOTAL SHEETS, SHEET NO., CONTRACT NO.

Model: 00-PrecastGrateDel (Sheet) FILE NAME: P:\proj\23\23073 ST 00110 CAD3_Sheet12_Structural\023073-14-23\8076\11_01-PipeGrateData



Notes:
 All elevations are looking upstation.
 Refer to Special Provisions for Traffic Control and Protection, Standard 701206 and Stage Construction across Road Structures for additional information.
 Construct Downstream end of culvert first.
 See MOT sheets for CMS Board Placement, traffic control, and MOT details.
 High Early Strength Concrete Mix shall be used for the Construction of the Class Patches.

LEGEND

Removal of Existing Structures

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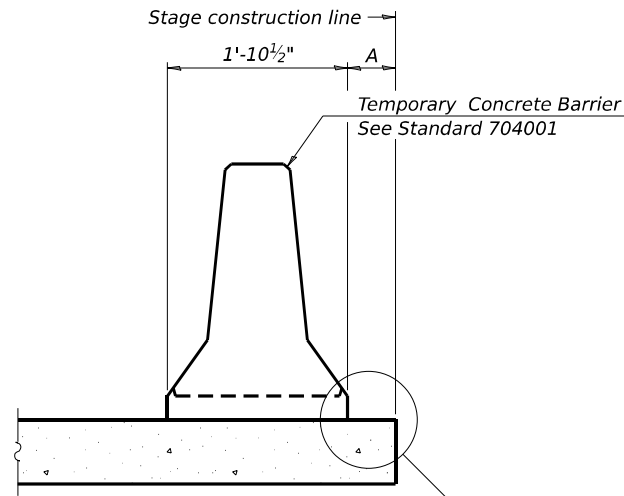
AEG ATLAS ENGINEERING GROUP, LTD.

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PLOT DATE = 3/21/2024	CHECKED - MBC	REVISED -
	DATE - 02/25/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

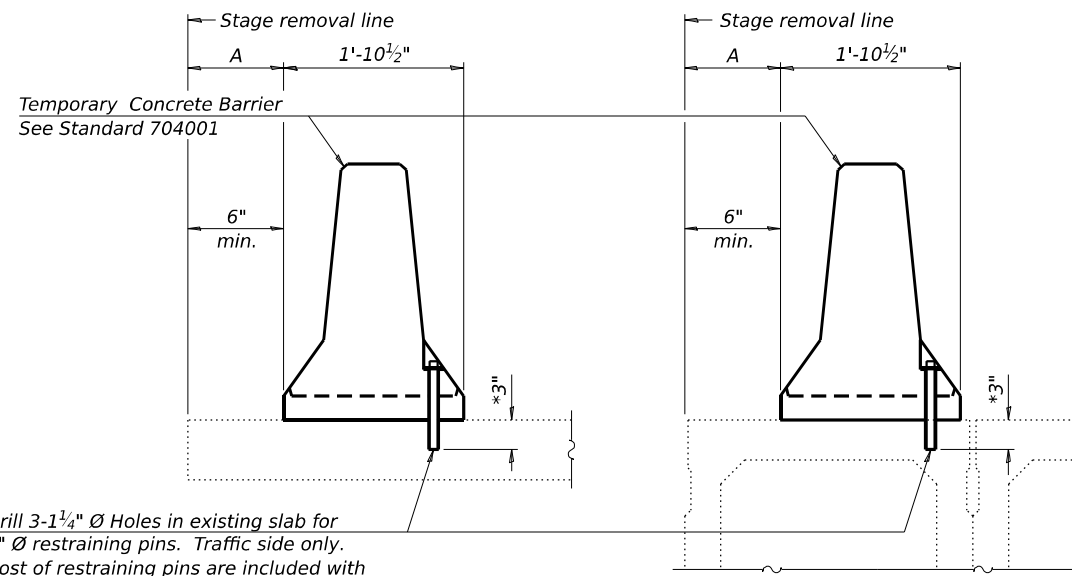
STAGE CONSTRUCTION DETAILS	
STRUCTURE NO. 023-8076; CULVERT NO. 2	
SCALE:	SHEET S-13 OF S-15 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 70C14			ILLINOIS FED. AID PROJECT	



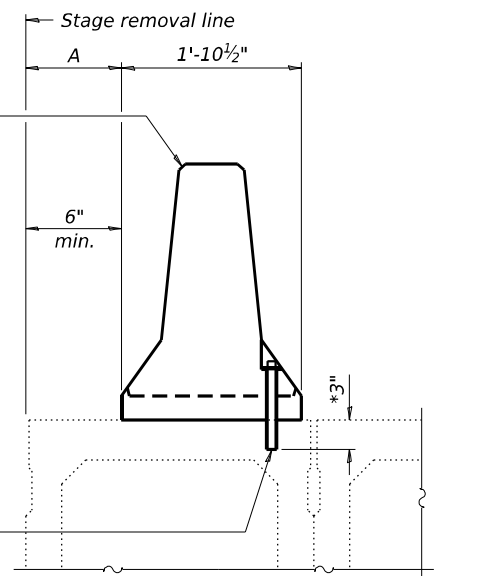
When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM



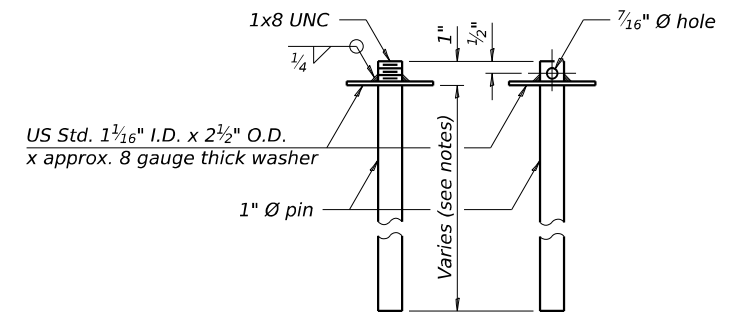
Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB



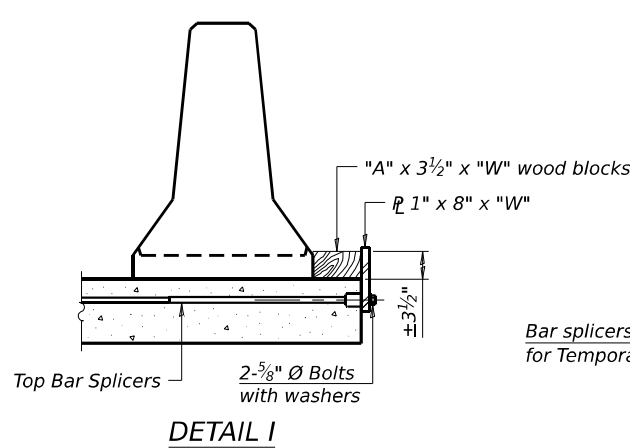
* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM

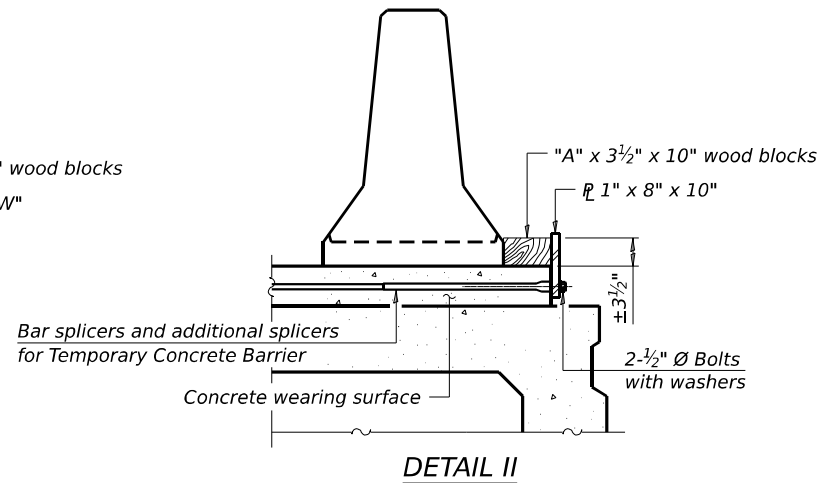


RESTRAINING PIN

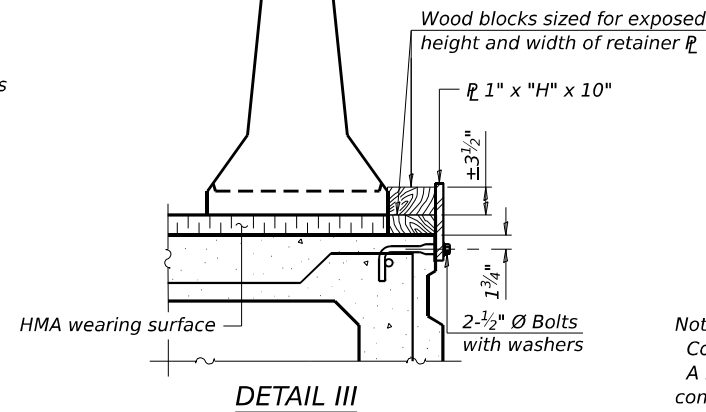
SECTIONS THRU SLAB OR DECK BEAM



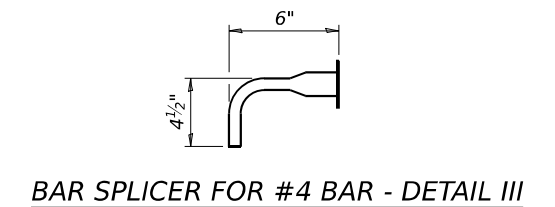
DETAIL I



DETAIL II



DETAIL III



BAR SPLICER FOR #4 BAR - DETAIL III

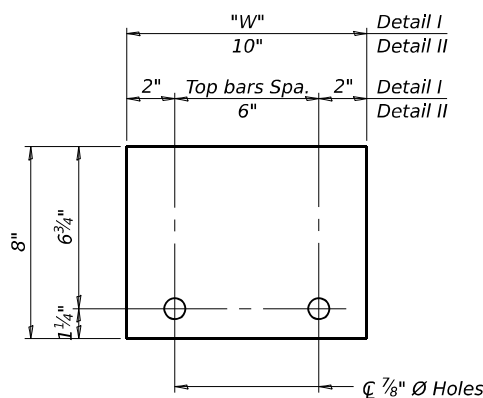
Notes:

Cost of retainer assembly is included with Temporary Concrete Barrier. A retainer assembly shall be located at the approximate center of each temporary concrete barrier. The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam. When the 'A' dimension is less than 1 1/2", the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

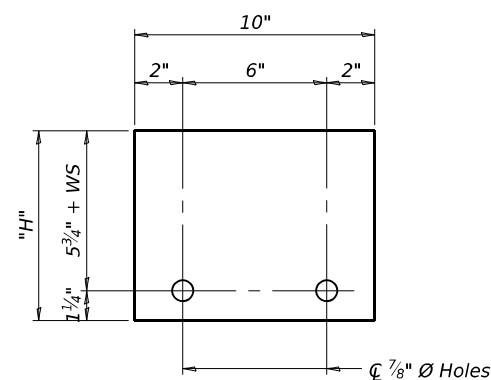
Detail I - Installation for a new bridge deck or bridge slab.

Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.

Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.



STEEL RETAINER 1" x 8" x "W" (Detail I and II)



STEEL RETAINER 1" x "H" x 10" (Detail III)

RAILING CRITERIA

NCHRP 350 Test Level	3
Railing Weight (plf)	440

R-27 15-2023

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AEG ATLAS ENGINEERING GROUP, LTD.

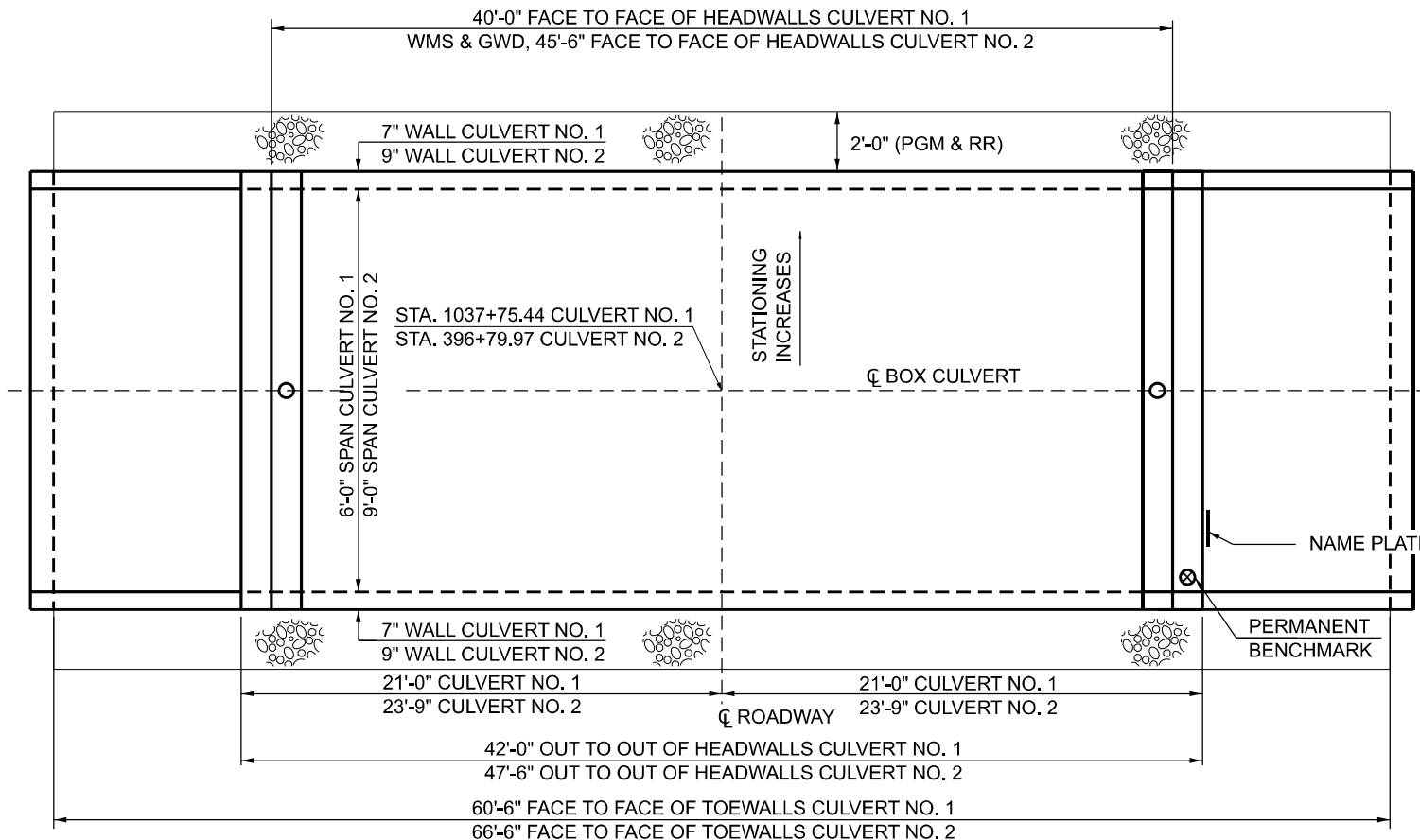
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PLOT DATE = 3/21/2024	CHECKED - MBC	REVISED -
	DATE - 02/25/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

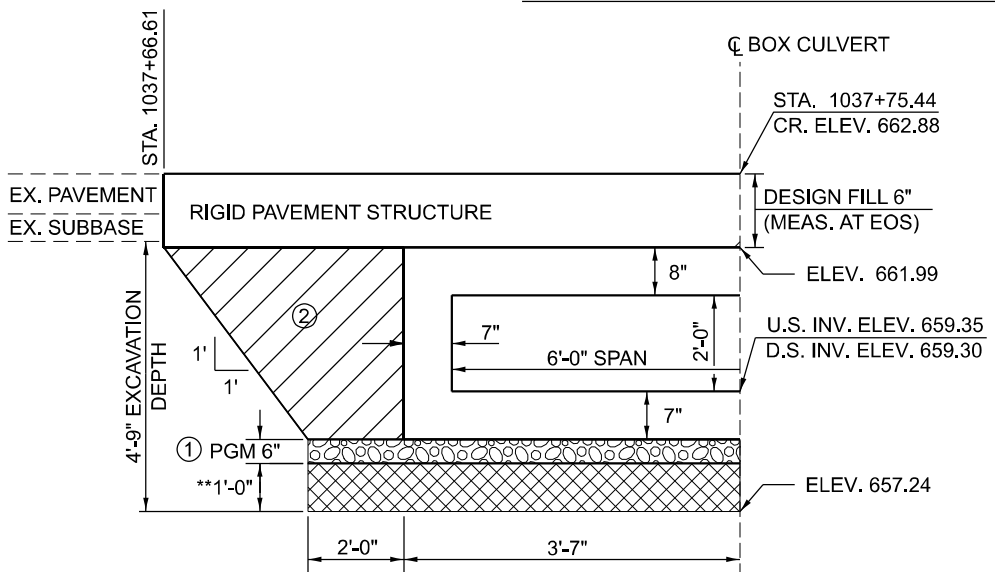
TEMPORARY CONCRETE BARRIER
STRUCTURE NO. 023-8076; CULVERT NO. 2

SCALE: SHEET S-14 OF S-15 SHEETS STA. TO STA.

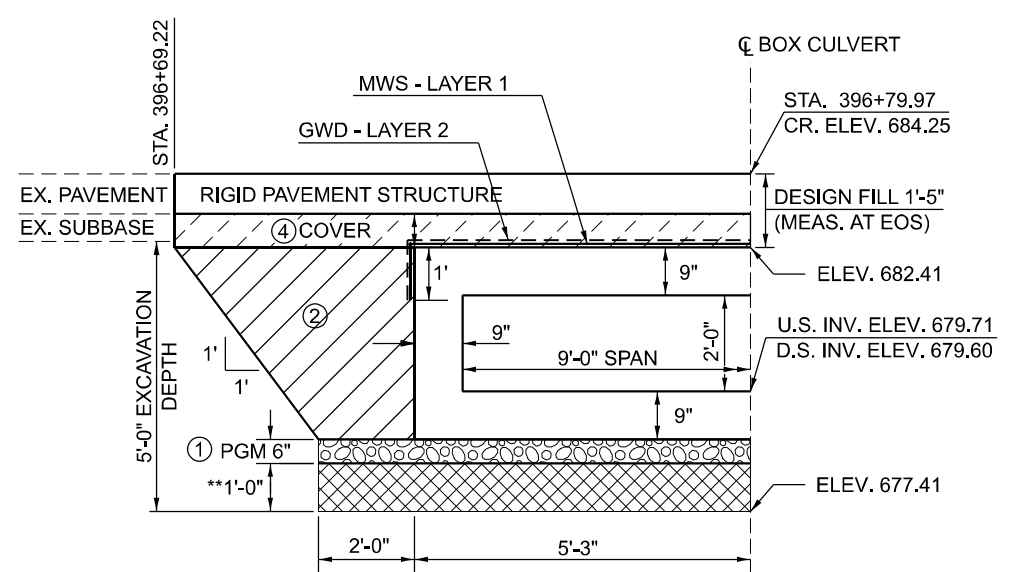
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	127
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT				



PLAN - CULVERT NO. 1 & 2



SECTION - CULVERT NO. 1
HALF SECTION SHOWN; LOOKING NORTH



SECTION - CULVERT NO. 2
HALF SECTION SHOWN; LOOKING NORTH

① POROUS GRANULAR MATERIAL (PGM) (CA-7) (Cost included with PCBC per Article 540.06)	② POROUS GRANULAR EMBANKMENT (PGE) SEE ABD 21.1.
STONE RIPRAP, CLASS A1	④ MIN. 6" COVER UNDER FLEXIBLE PAVEMENT. FILL HEIGHTS <= 3' PGE REQ. FILL HEIGHTS > 3' PGE NOT REQ. NO COVER REQUIRED UNDER RIGID PAVEMENT. WHEN RIGID PAVEMENT PLACED ON TOP OF PCBC THE WMS AND GWD ARE NOT REQ. SEE ABD 21.1.

REVISED PER ALL BRIDGE DESIGNERS MEMORANDUMS (ABD) 19.2 AND 21.1.

****STONE RIPRAP, CLASS A1 (IF REQUIRED)**

STONE RIPRAP, CLASS A1 SHALL BE USED TO ADDRESS UNSTABLE SOIL CONDITIONS AS DETERMINED BY THE GEOTECHNICAL ENGINEER.

THE WORK SHALL BE PERFORMED PER APPLICABLE PORTIONS OF SECTION 281.

THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR STONE RIPRAP, CLASS A1.

THE EXCAVATION AND DISPOSAL OF UNSUITABLE MATERIAL SHALL NOT BE MEASURED FOR PAYMENT, COST INCLUDED WITH STONE RIPRAP, CLASS A1.

POROUS GRANULAR EMBANKMENT (PGE)

POROUS GRANULAR EMBANKMENT SHALL EXTEND 2 FT. BEYOND THE AGGREGATE SHOULDER.

THE WORK SHALL BE PERFORMED PER APPLICABLE PORTIONS OF SECTIONS 207 AND 540.

THE COARSE AGGREGATE QUALITY SHALL BE CLASS D OR BETTER AND THE GRADATION SHALL BE CA-6 OR CA-10.

POROUS GRANULAR EMBANKMENT WILL BE MEASURED FOR PAYMENT IN CU. YDS. IN PLACE AS SHOWN. IF THE CONTRACTOR CHOOSES TO EXCAVATE BEYOND THE LIMITS SHOWN, ADDITIONAL QUANTITIES OF POROUS GRANULAR EMBANKMENT WILL BE AT THEIR EXPENSE.

THE AREA TO BE EXCAVATED FOR THE PROPOSED BOX CULVERT AND END SECTIONS SHALL NOT BE MEASURED FOR PAYMENT. COST INCLUDED WITH PRECAST CONCRETE BOX CULVERTS.

BILL OF MATERIAL

ITEM	UNIT	CULVERT NO. 1	CULVERT NO. 2	TOTAL
POROUS GRANULAR EMBANKMENT	CU YD	49	61	110
STONE RIPRAP, CLASS A1	TON	56	80	136
MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	-	64	64
GEOCOMPOSITE WALL DRAIN	SQ YD	-	64	64

MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES (MWS)

SEE SPECIAL PROVISIONS

GEOCOMPOSITE WALL DRAIN (GWD)

PER SECTION 591, EXCEPT CONCRETE NAILS NOT USED WHERE MWS & GWD OVERLAP

FILL HEIGHTS <= 3': MWS & GWD REQ.
FILL HEIGHTS > 3': MWS & GWD NOT REQ.
SEE ABD 19.2.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 20700220

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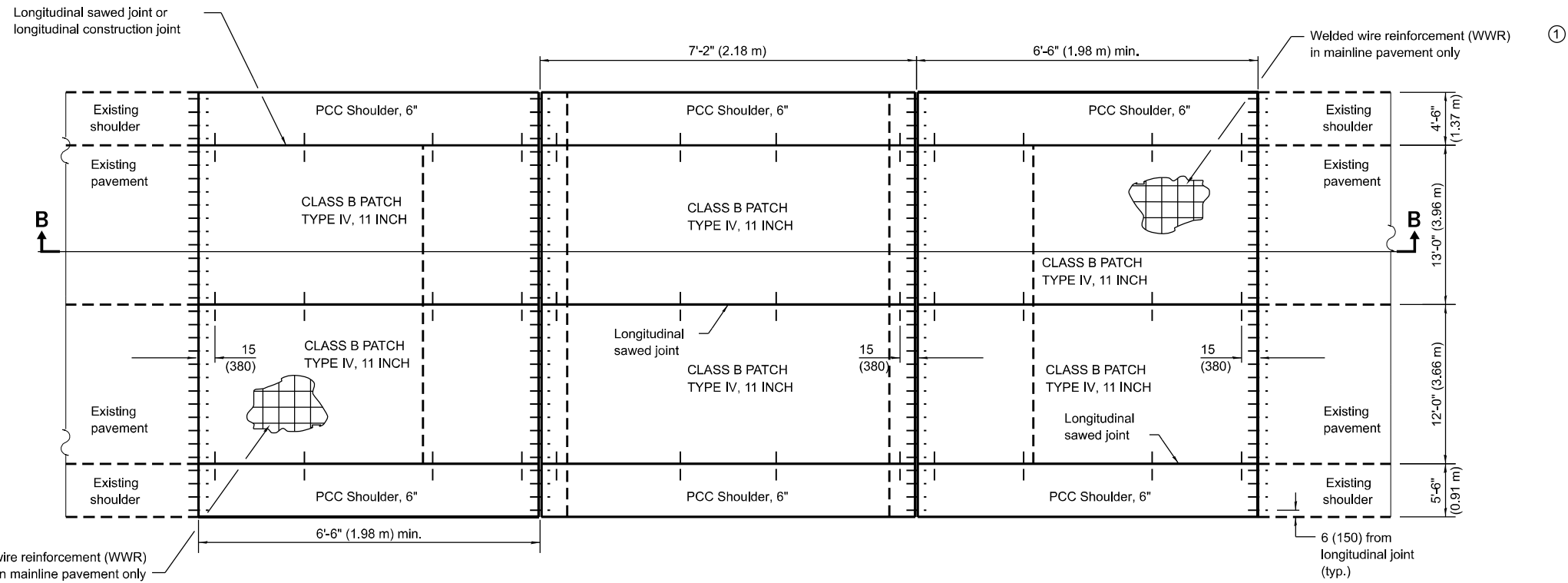
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	DATE - 02/25/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

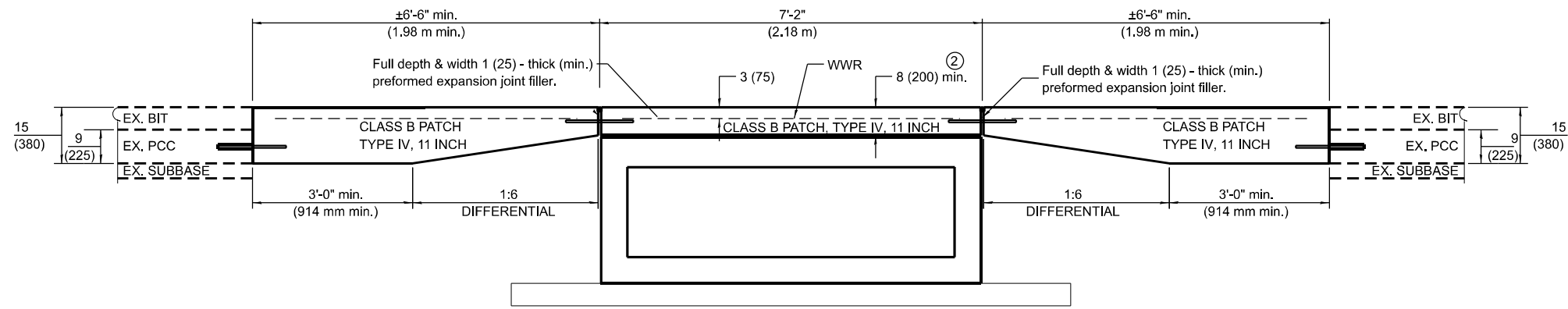
**POROUS GRANULAR EMBANKMENT
STRUCTURE NO. 023-8075 & 023-8076; CULVERT NO. 1 & 2**

SCALE: SHEET S-15 OF S-15 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14CR)	EDGAR	157	128
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT				



**PLAN
EXISTING CONSTRUCTION**



SECTION B-B

GENERAL NOTES

- THICKNESS-"t"=Thickness of Pavement.
- See Standard 420001 for pavement joint details.
- See Standard 420701 for pavement welded wire reinforcement details.
- See Standard 483001 for PCC shoulder details.
- See plans for details of pavement and shoulder width.
- All dimensions are in inches (millimeters) unless otherwise shown.

- ① WWR shall be 0.11 sq. in./ft. (230 sq. mm/m) in both directions. Maximum wire spacing shall be 6 (150). Minimum lap distance shall be two cross wires.
- ② Patch thickness varies from 8" to 11" along culvert.

MODEL: Plan Patch Detail
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 DATE: 3/21/2024



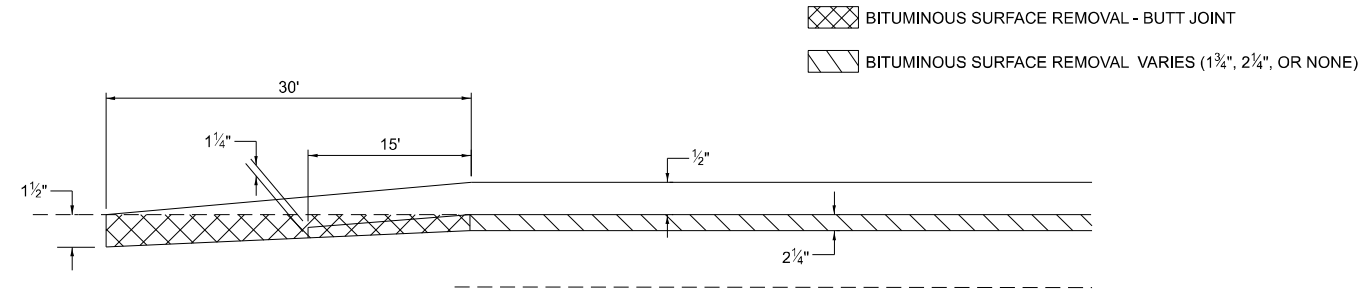
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PLOT DATE = 3/21/2024	CHECKED - JWD	REVISED -
	DATE - 03/21/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CLASS B PATCHES OVER STRUCTURE NO. 023-8075			
SCALE:	SHEET 1	OF 2 SHEETS	STA. TO STA.

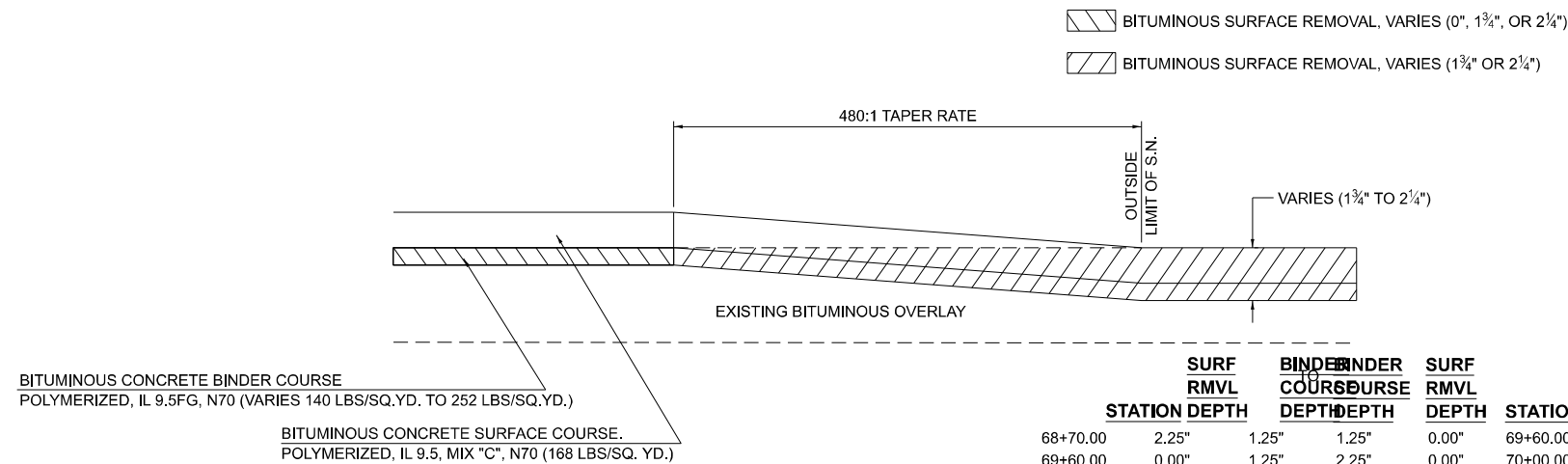
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14CR)	EDGAR	157	129
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				

BUTT JOINT DETAIL



STATION	RMVL	STATION	RMVL
IL 133			
991+02.66	1.50"	2.25"	991+32.66
158+98.02	2.25"	1.50"	159+28.02
160+73.77	1.50"	2.25"	161+03.77
416+50.95	0.00"	1.50"	417+60.95
418+90.76	1.50"	0.00"	420+00.76
695+01.39	1.75"	1.50"	695+41.39
IL 49			
325+01.50	1.50"	2.25"	325+31.50
352+43.00	2.25"	1.50"	352+73.00

INLAY TRANSITION DETAIL



BITUMINOUS CONCRETE BINDER COURSE
POLYMERIZED, IL 9.5FG, N70 (VARIES 140 LBS/SQ.YD. TO 252 LBS/SQ.YD.)

BITUMINOUS CONCRETE SURFACE COURSE.
POLYMERIZED, IL 9.5, MIX "C", N70 (168 LBS/SQ. YD.)

STATION	SURF RMVL DEPTH	BINDER COURSE DEPTH	BINDER COURSE DEPTH	SURF RMVL DEPTH	STATION	DESCRIPTION
68+70.00	2.25"	1.25"	1.25"	0.00"	69+60.00	HMA SURFACE REMOVAL DECREASES FROM 2 1/4" TO 0"
69+60.00	0.00"	1.25"	2.25"	0.00"	70+00.00	BINDER COURSE INCREASES FROM 1 1/4" TO 2 1/4"
101+00.00	0.00"	2.25"	1.25"	0.00"	101+40.00	BINDER COURSE DECREASES FROM 2 1/4" TO 1 1/4"
101+40.00	0.00"	1.25"	1.25"	2.25"	102+30.00	HMA SURFACE REMOVAL INCREASES FROM 0" TO 2 1/4"
190+44.20	2.25"	1.25"	1.25"	1.75"	190+64.20	HMA SURFACE REMOVAL DECREASES FROM 2 1/4" TO 1 1/4"
262+90.00	1.75"	1.25"	1.25"	0.00"	263+60.00	HMA SURFACE REMOVAL DECREASES FROM 1 1/4" TO 0"
524+00.00	0.00"	1.25"	1.25"	1.75"	524+70.00	HMA SURFACE REMOVAL INCREASES FROM 0" TO 1 1/4"
636+00.00	1.75"	1.25"	1.25"	2.25"	636+20.00	HMA SURFACE REMOVAL INCREASES FROM 1 1/4" TO 2 1/4"
656+80.00	2.25"	1.25"	1.25"	1.75"	657+00.00	HMA SURFACE REMOVAL DECREASES FROM 2 1/4" TO 1 1/4"

- NOTES:
- * THE INTENT OF THIS BITUMINOUS SURFACE REMOVAL IS TO TRANSITION AT A RATE OF 1:480, UP & DOWN STATION, FROM THE LOCATIONS WITH VARYING SURFACE REMOVAL DEPTHS.
 - * THIS WORK WILL BE MEASURED FOR PAYMENT ACCORDING TO APPLICABLE PORTIONS OF ARTICLE 440.07 OF THE STANDARD SPECIFICATIONS.
 - * THIS WORK WILL BE PAID FOR ACCORDING TO THE APPLICABLE PORTIONS OF ARTICLE 440.08 OF THE STANDARD SPECIFICATIONS.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL

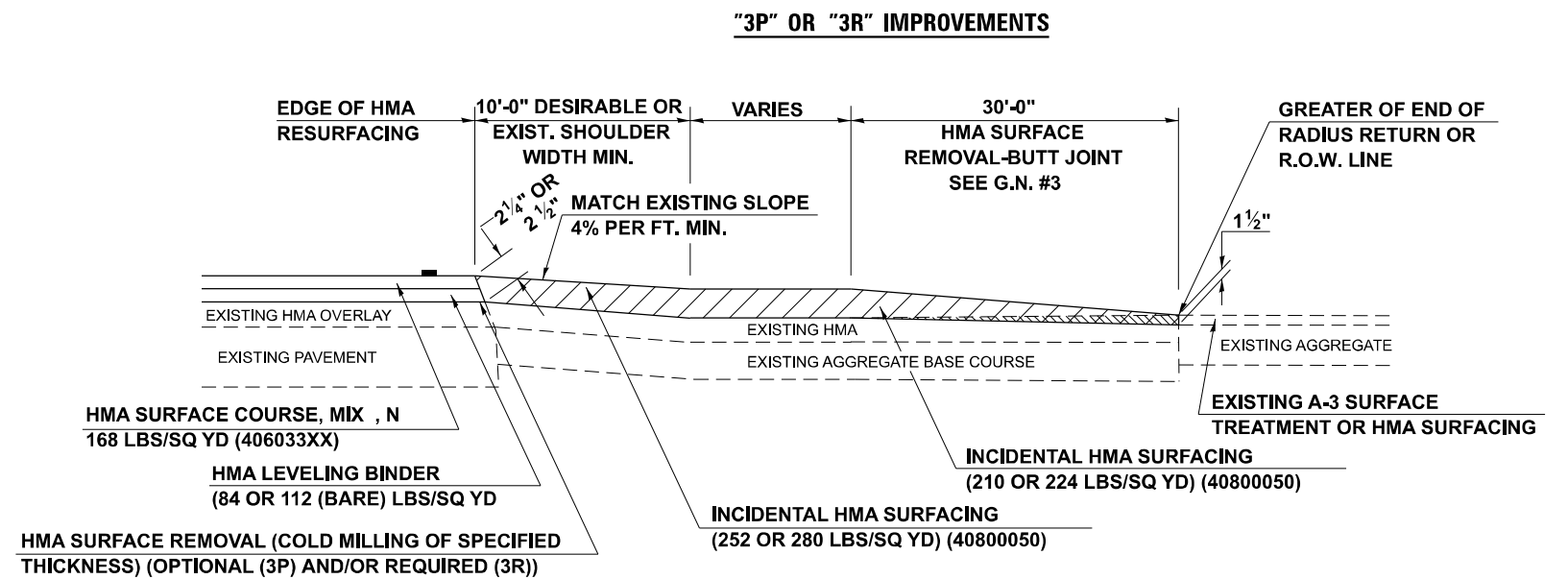
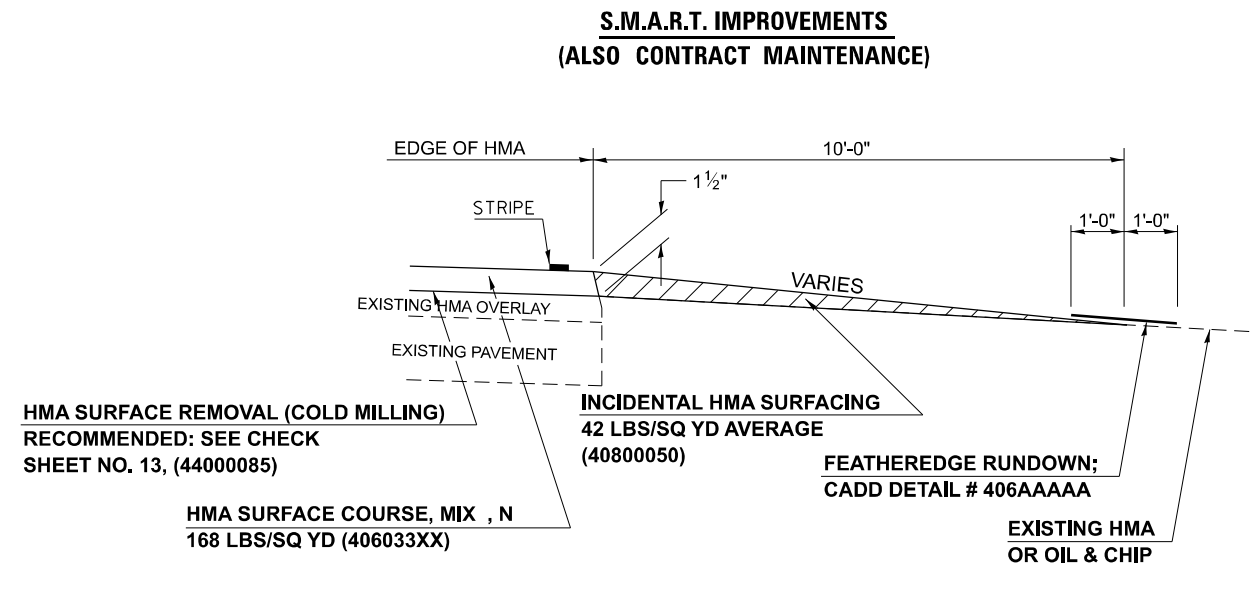
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PLOT DATE = 3/21/2024	CHECKED - JWD	REVISED -
	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

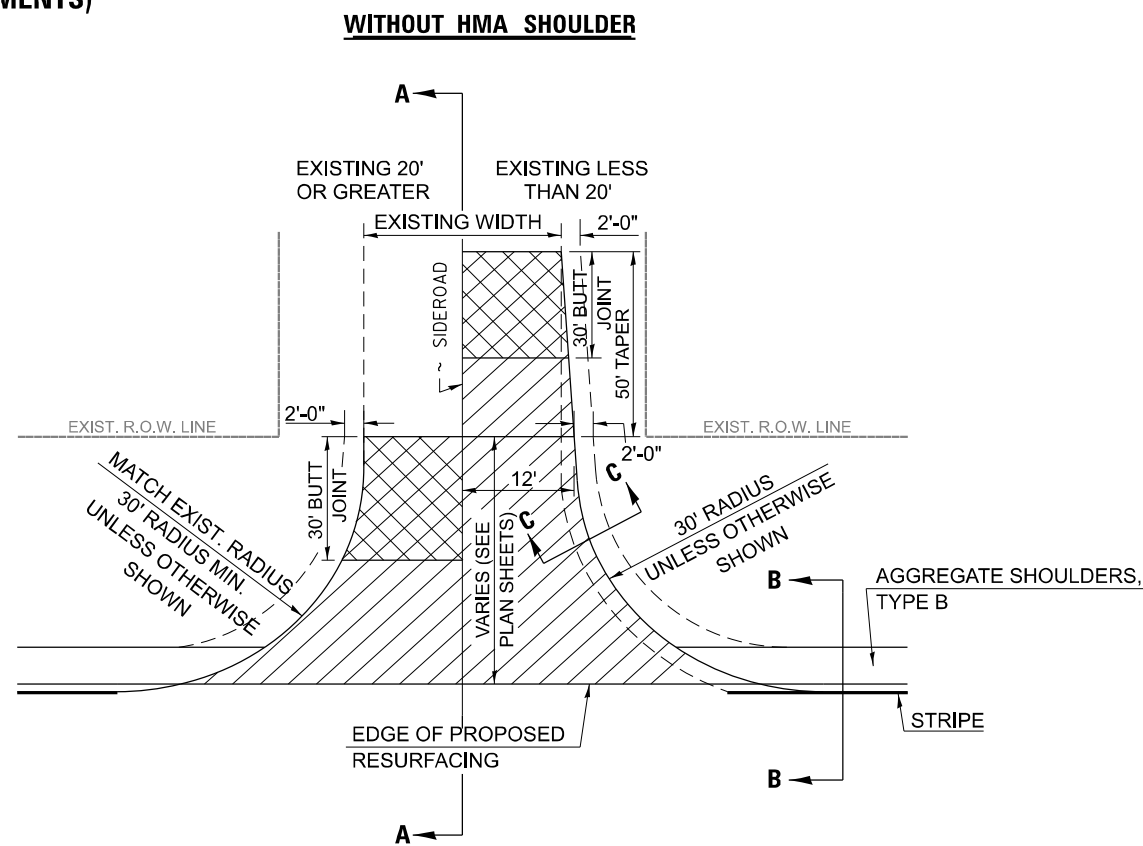
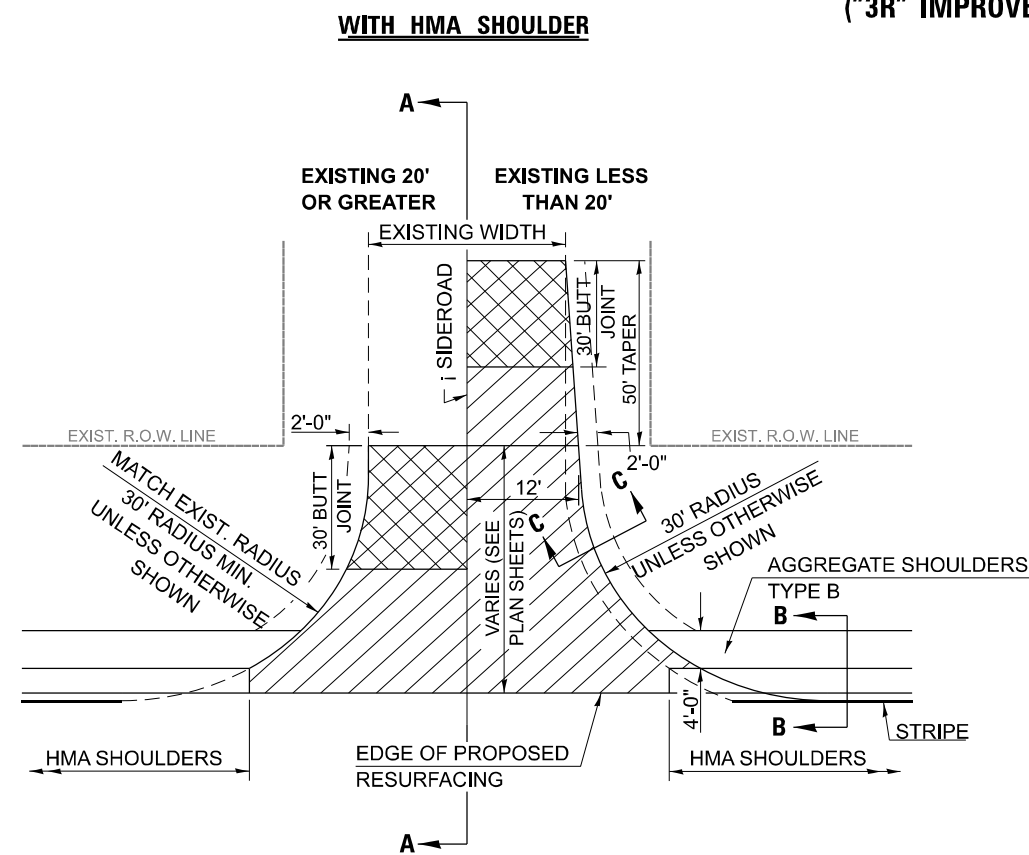
OVERLAY RUNDOWN AND HMA TAPER DETAILS			
SCALE:	SHEET 2	OF 2 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	130
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IL5(692)				

PROJECTS WITHOUT RECONSTRUCTION



PROJECTS WITH RECONSTRUCTION



GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS
2. PROPOSED SIDEROAD GRADES SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. MAJOR SIDEROAD/SIDESTREETS (>400 ADT) SHALL HAVE "BUTT JOINTS" CONSTRUCTED WHETHER THE EXISTING ENTRANCE IS HMA OR PCC. MINOR SIDEROAD/SIDESTREETS (<400 ADT) SHALL HAVE "FEATHEREDGE RUNDOWNS".
4. AGGREGATE BASE COURSE, TYPE B OF THE THICKNESS SPECIFIED IN THE PLANS 6" MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT 6" EXISTING BASE MATERIAL FOR THE PROPOSED SIDEROAD RETURNS. THIS MATERIAL SHALL BE USED TO WIDEN SIDEROAD RETURNS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 1' WIDER THAN THE SURFACE DIMENSIONS.
6. AGGREGATE SHOULDERS, TYPE B WILL BE WRAPPED AROUND THE SIDEROAD RETURNS. TAPER WIDTH FROM 4' ALONG MAINLINE TO 2' AT BACK OF RETURN.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 408000AA

USER NAME = jason.dove	DESIGNED - RAB	REVISED - 12/06 TJB
DRAWN - MCE	REVISED - 09/07 KAG	
PLOT SCALE = 0.1666667' / in.	CHECKED - JWD	REVISED - 12/09 KJT
PLOT DATE = 3/21/2024	DATE - 03/21/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIDEROAD & SIDESTREETS (RURAL)

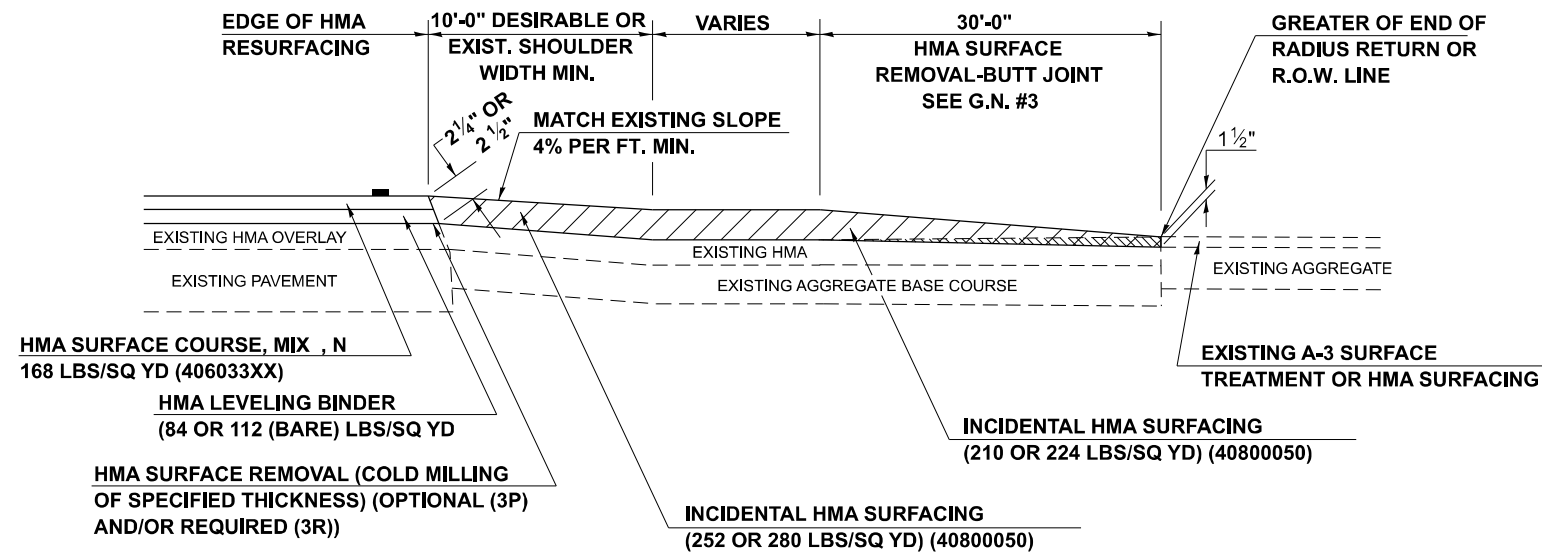
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 70C14				

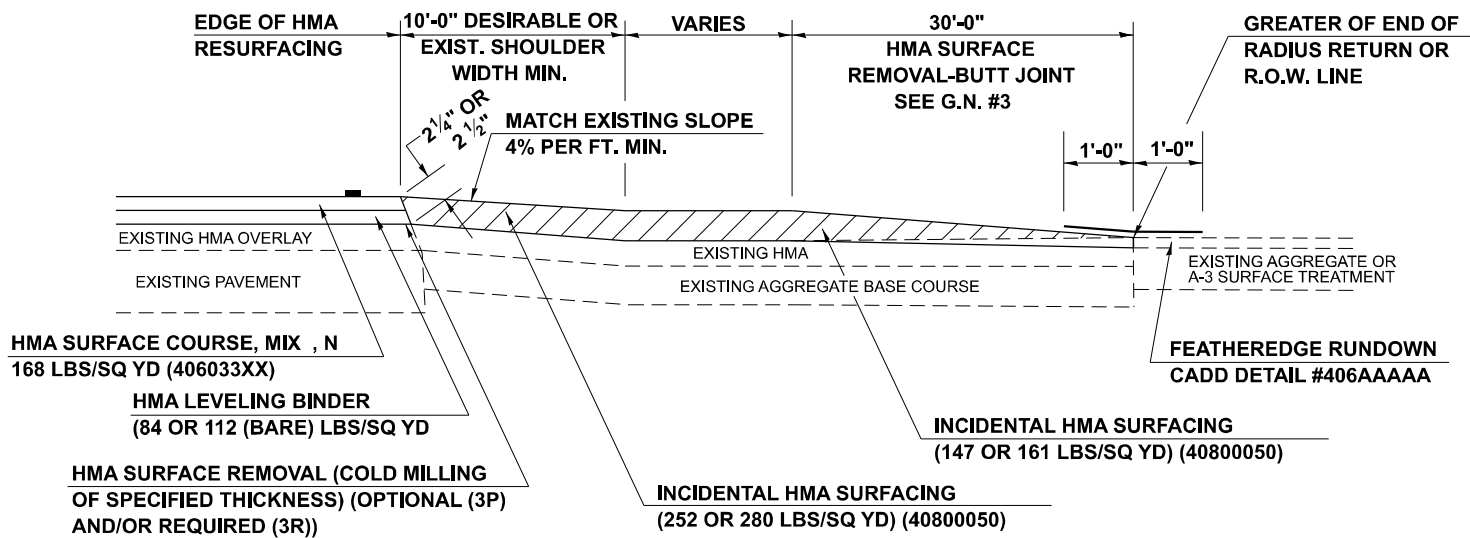
ILLINOIS FED. AID PROJECT STP-RURAL-1WL5(692)

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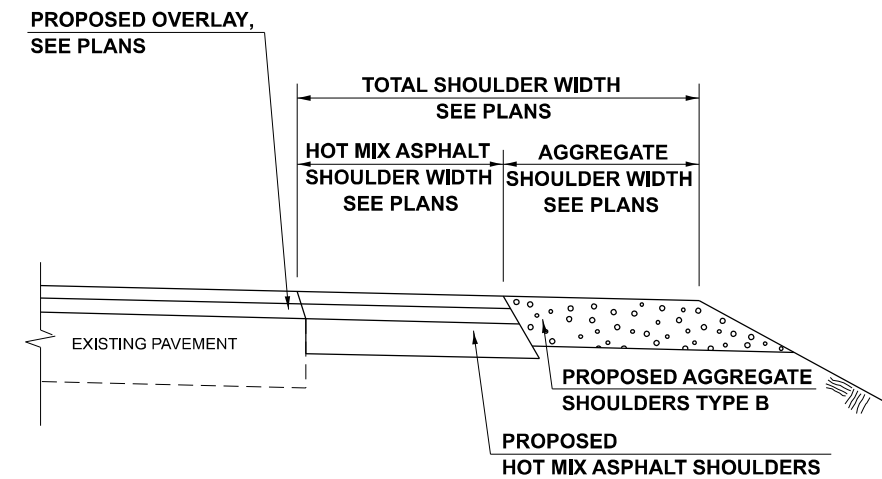
SECTION A-A
EXISTING HMA OR PCC SIDEROAD (> 400 ADT)



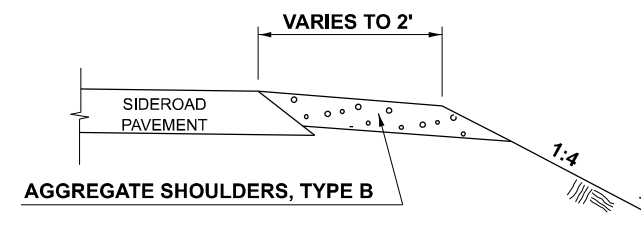
SECTION A-A
EXISTING AGGREGATE OR SEAL COAT SIDEROAD (< 400 ADT)



RURAL SIDEROAD DESIGN STANDARDS (PPM 40-06)											
DESIGN ELEMENT	New Construction & 3R (Existing Width Less Than 20 ft)			3R (Existing Width 20 ft or Greater) & 3P			SMART & Contract Maintenance				
	min.	des.	max.	min.	des.	max.	min.	des.	max.		
SURFACE WIDTH (FT); (Measured at end of radius or row line; greatest distance from edge of traveled way)	24	24	Coordinate with Geometrics Engineer	Resurface existing configuration to completion of radius return or row line; greatest distance from edge of traveled way; major sideroads (> 400 adt) shall have "butt joints" constructed whether the entrance is hma or pcc; minor sideroads (< 400 adt) shall have "featheredge rundown" as shown in district cadd detail 406AAAAA						resurface existing configuration with the completion of a 10 ft. featheredge rundown for ALL sideroads as shown in district cadd detail 406AAAAA	
RADIUS (FT)	30	30									
SHOULDER WIDTH (FT)	4	8	10								
SHOULDER SLOPE (%)	2	4	12								
ENTRANCE GRADE (%)	1	1 to 4	4								
BREAKOVER (%)	0	5	10								
SIDE SLOPE (FT)	1:10	1:6	1:4								
INTERSECTION ANGLE	60	75 to 90									
SURFACE TYPE											
INCIDENTAL HMA SURFACING (INCH)	4			taper from 2 1/4" to 1 1/2" or featheredge			taper from 1 1/2" to featheredge				
AGGREGATE BASE COURSE, TYPE A (INCH)	8	4		if applicable use item: 35800100 Preparation of Base							
PCC PAVEMENT (INCH)			8								



SECTION B-B
MAINLINE SHOULDER TREATMENT



SECTION C-C
SIDEROAD SHOULDER TREATMENT

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 408000AA

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PLOT DATE = 3/21/2024	CHECKED - JWD	REVISED - 12/09 KJT
	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEROAD & SIDESTREETS (RURAL)

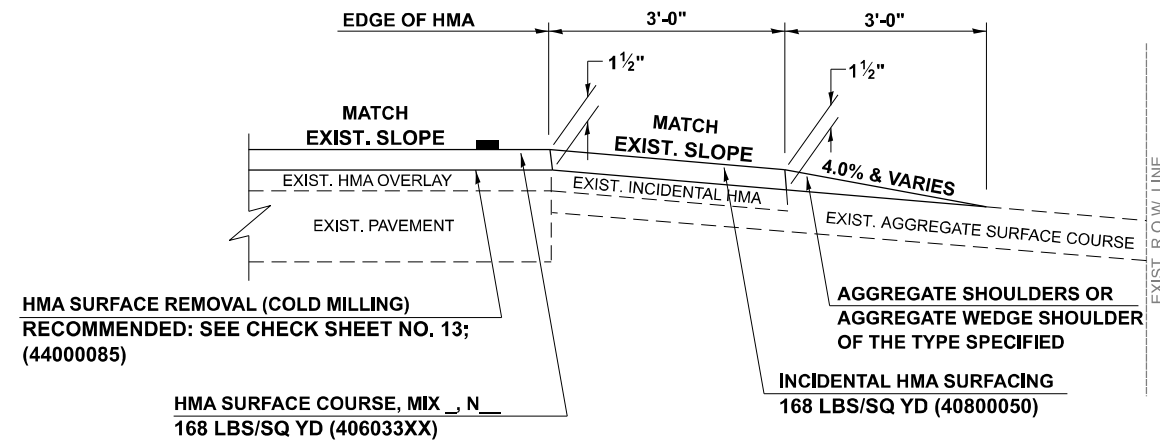
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	132
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-1W5(692)				

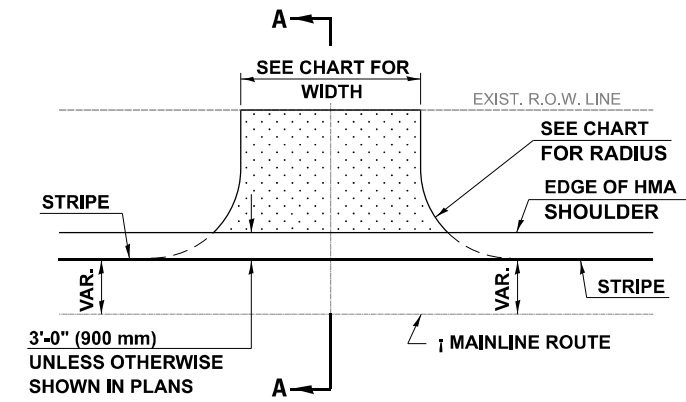
PROJECTS WITHOUT RECONSTRUCTION
 ("3R" WITHOUT RECONSTRUCTION, 3P, SMART AND CM)

PROJECTS WITH RECONSTRUCTION
 ("3R" IMPROVEMENTS AND SMART/3P "SPOT" LOCATIONS)

S.M.A.R.T. IMPROVEMENTS
 (POLICY RESURFACING; BDE 53-4.03; 1½")

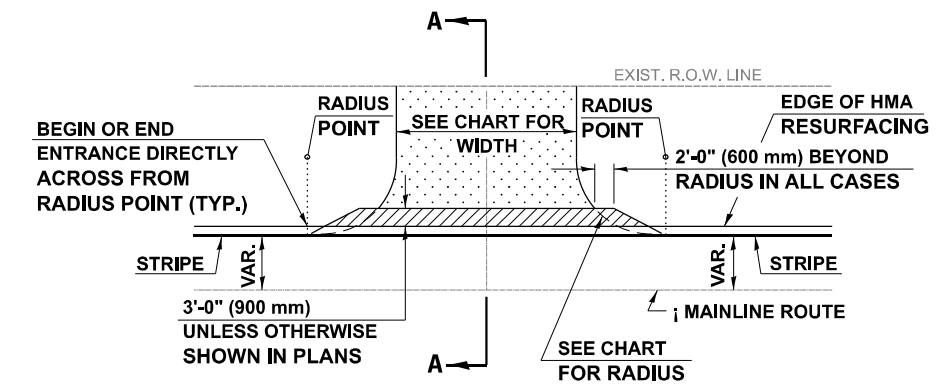


ADJACENT TO PROPOSED HMA SHOULDERS
 (AGGREGATE OR EARTH ENTRANCE)



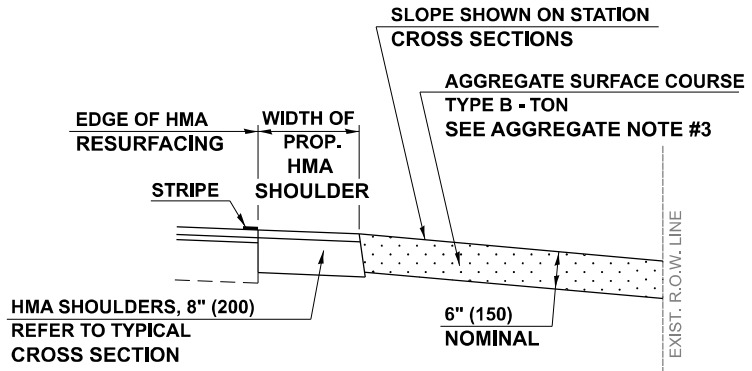
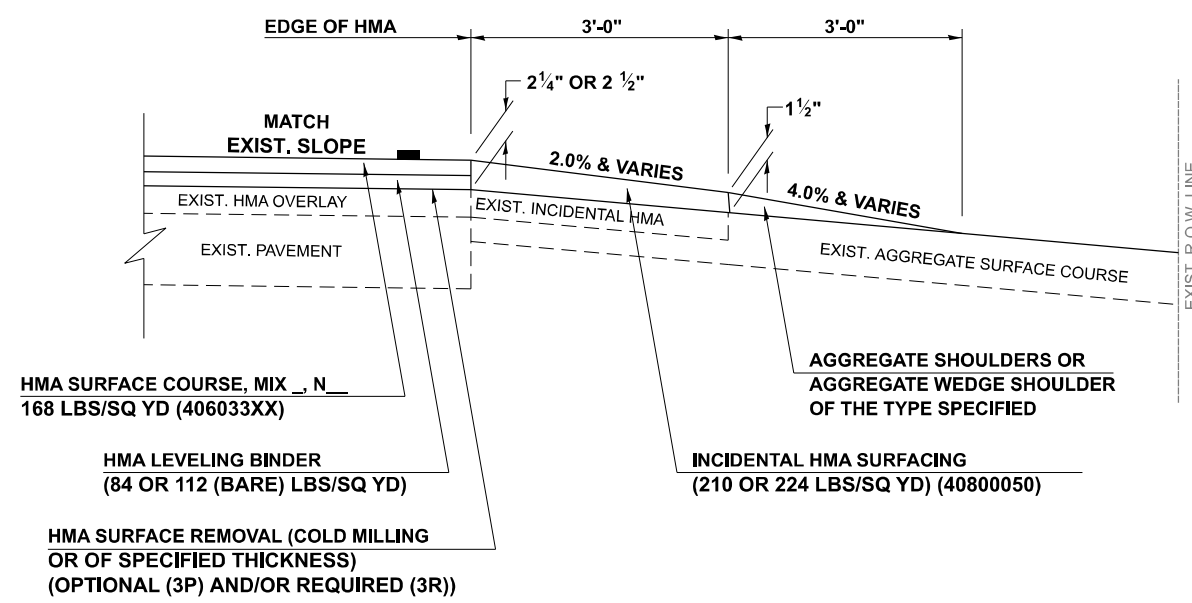
TYPICAL APPLICATION

EXISTING AGGREGATE OR EARTH ENTRANCE

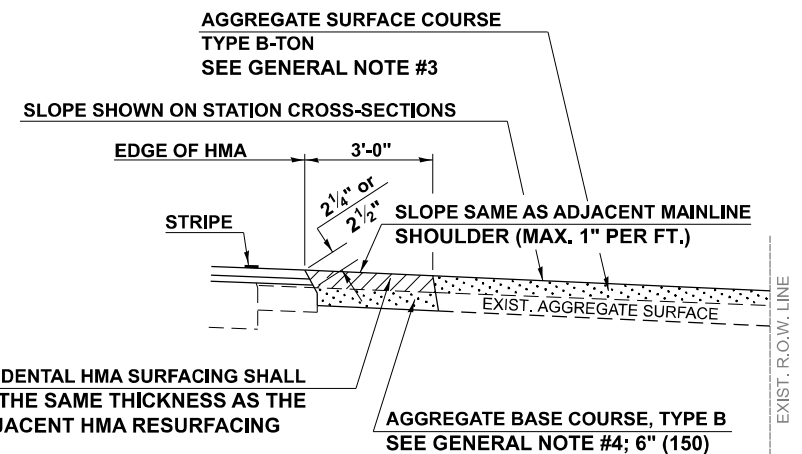


TYPICAL APPLICATION

"3P" OR "3R" IMPROVEMENTS
 (POLICY RESURFACING; BDE 53-4.02; 2¼" OR 2½" ON BARE CONCRETE)



SECTION A-A



SECTION A-A

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 4080050A

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PLOT SCALE = 0.16666667 / in.	DRAWN - MCE	REVISED - 4/2008 KJT
PLOT DATE = 3/21/2024	CHECKED - JWD	REVISED - 3/2017 SWN
	DATE - 03/21/2024	REVISED - 8/2022 JWS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIELD ENTRANCES (NONCOMMERCIAL RURAL)

SCALE: SHEET 3 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	133
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IL5(692)				

GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. ANY NECESSARY WORK BEHIND THE HMA SHOULDER OR THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. EARTH EXCAVATION REQUIRED FOR THE CONSTRUCTION OF THE AGGREGATE SURFACE COURSE SHALL BE INCLUDED IN THE COST OF AGGREGATE SURFACE COURSE.
4. AGGREGATE BASE COURSE, TYPE B, 6" (150 mm) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED ENTRANCES. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ANY EXISTING RETURN OR TO CONSTRUCT NEW ENTRANCES WHERE NONE NOW EXISTS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 12" (300 mm) WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
6. EXISTING FIELD ENTRANCES OF AGGREGATE OR EARTH WITH NO HMA APRON SHALL NOT RECEIVE A NEW HMA APRON WITHOUT PROPER APPROVAL THROUGH THE BUREAU OF OPERATIONS "POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS".
7. TO ASSURE APPROPRIATE ACCESS POLICIES ARE FOLLOWED ALL NEW ACCESS SHALL BE APPLIED FOR THROUGH THE BUREAU OF OPERATIONS PERMIT APPLICATION PROCESS. PLAN PREPARATION MEMORANDUMS 40-09 ALONG WITH DISTRICT PROJECT IMPLEMENTATION MEMORANDUM 104/01 DISCUSS THIS PROCEDURE.

RURAL ENTRANCE DESIGN STANDARDS (PPM 40-09)															
DESIGN ELEMENT	NEW CONSTRUCTION & 3R with CONSTRUCTION						3R w/out RECONSTRUCTION, 3P, SMART & CM								
	NONCOMMERCIAL			FIELD W/FARM IMPLEMENTS			COMMERCIAL			NONCOMMERCIAL			COMMERCIAL		
	PRIVATE & FIELD			FIELD W/FARM IMPLEMENTS			COMMERCIAL			PRIVATE & FIELD			COMMERCIAL		
	min.	des.	max.	min.	max.	min.	des.	max.	min.	des.	max.	min.	des.	max.	
SURFACE WIDTH (FT)	12	16	24	24	30	1 LANE, 1 WAY			1 LANE, 1 WAY						
						14	16	24							
						2 LANE, 2 WAY			2 LANE, 2 WAY						
						24	30	35	resurface existing configuration; existing aggregate or earth entrances shall have the continuation of aggregate shoulders placed behind them						
RADIUS (FT)	15	25	40	30		20	30	50							
SHOULDER WIDTH (FT)	2	2		2		1	3								
SHOULDER SLOPE (%)	2	4	6	4		2	4	6							
ENTRANCE GRADE (%)	0	2 to 5	10 or 12	2 to 5	10 or 12	0	2 to 5	8 or 10							
SIDE SLOPE (FT)	1:4	1:6	1:10	1:4	1:6	1:4	1:6	1:10							
SURFACE TYPE															
INCIDENTAL HMA SURFACING (INCH)		2		2		3 or 4			taper from hma resurfacing thickness (2 1/2", 2 1/4" or 1 1/2") to 1 1/2" to minimize aggregate shoulder						
AGGREGATE SURFACE COURSE, TYPE B (INCH)		6		6		8			if applicable, use items: Preparation of Base & Aggregate Base Repair; see PPM 30-02						
PCC DRIVEWAY PAVEMENT (INCH)		6						6 or 8							

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 4080050A

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	DRAWN - MCE	REVISED - 4/2008 KJT
PLOT SCALE = 0.16666667 / in.	CHECKED - JWD	REVISED - 3/2017 SWN
PLOT DATE = 3/21/2024	DATE - 03/21/2024	REVISED - 8/2022 JWS

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

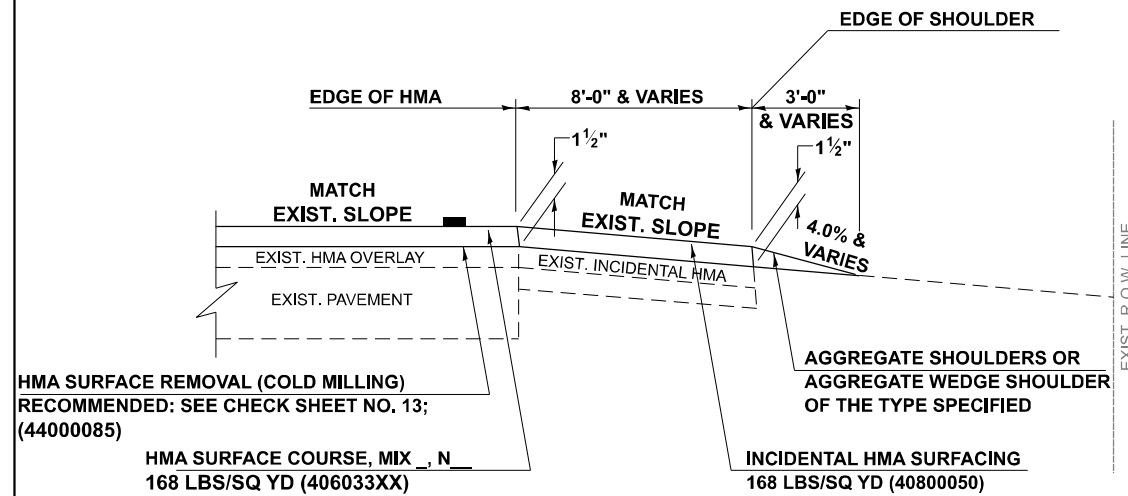
FIELD ENTRANCES (NONCOMMERCIAL RURAL)

SCALE: SHEET 4 OF 17 SHEETS STA. TO STA.

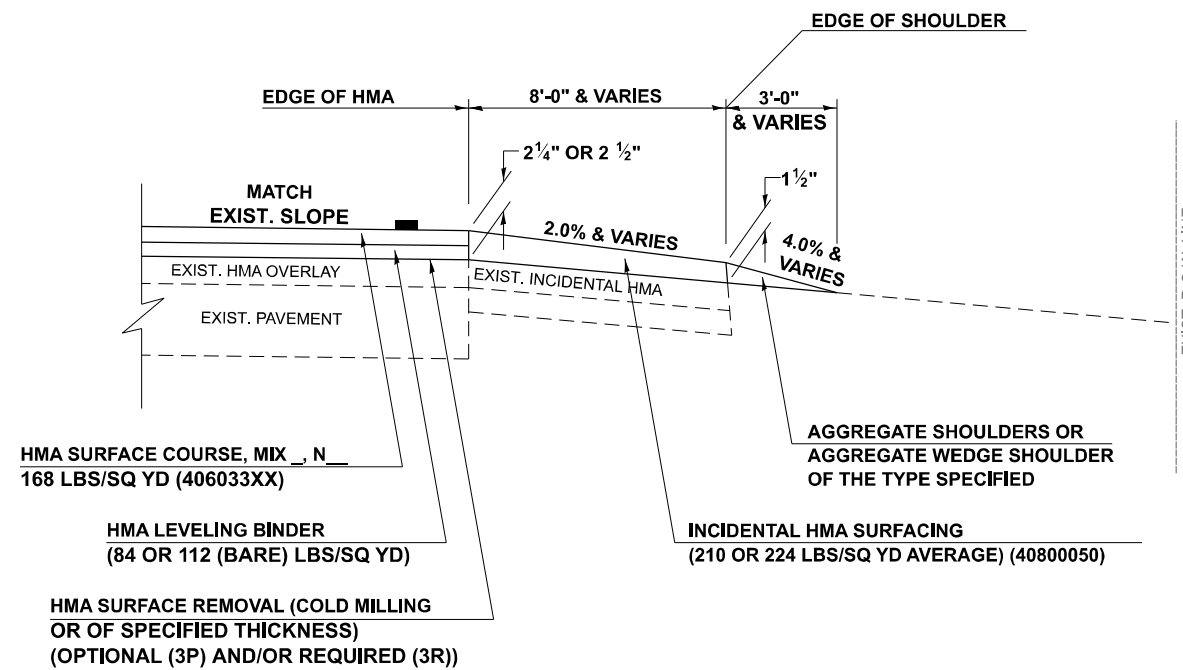
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	134
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				

PROJECTS WITHOUT RECONSTRUCTION

S.M.A.R.T. IMPROVEMENTS
(POLICY RESURFACING; BDE 53-4.03; 1½")



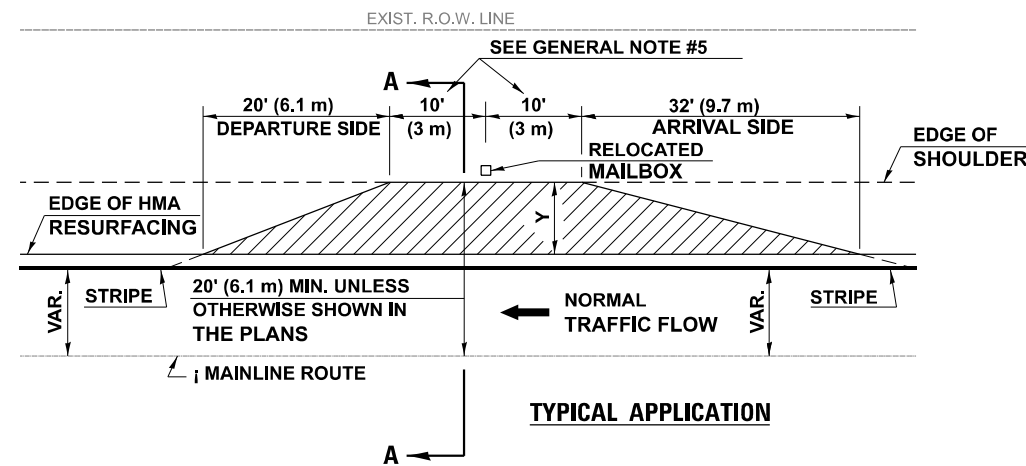
"3P" OR "3R" IMPROVEMENTS
(POLICY RESURFACING; BDE 53-4.02; 2¼" OR 2½" ON BARE CONCRETE)



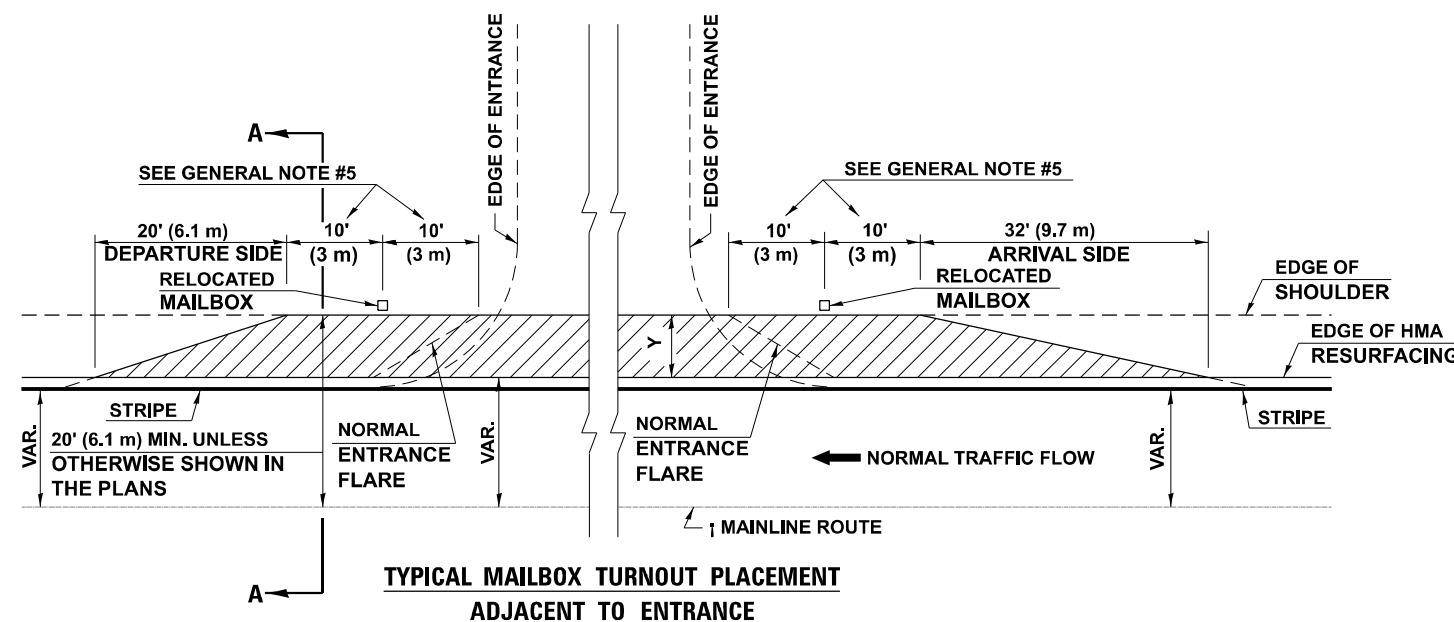
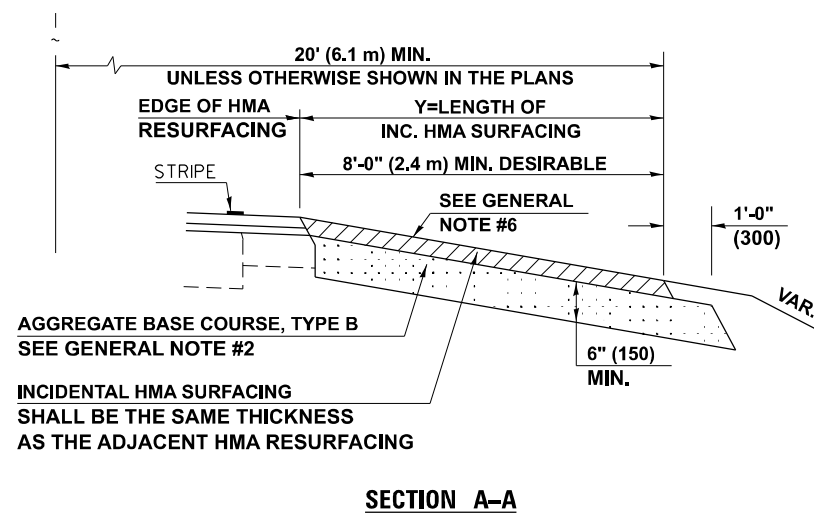
GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. AGGREGATE BASE COURSE, TYPE B, 6" (150) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED MAILBOX TURNOUTS. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ALL EXISTING MAILBOX TURNOUTS OR TO CONSTRUCT NEW MAILBOX TURNOUTS WHERE NONE NOW EXISTS.
3. ANY NECESSARY WORK BEHIND THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
4. THE TEMPORARY RELOCATION OF EXISTING MAILBOXES SHALL BE IN ACCORDANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS.
5. WHEN MORE THAN ONE RELOCATED MAILBOX IS INCLUDED IN A PARTICULAR LOCATION THE TWO 10' (3 m) DIMENSIONS AS SHOWN ABOVE SHALL BE FROM THE END MAILBOX.
6. CROSS SLOPE SHALL BE AS SHOWN ON THE STATION CROSS SECTIONS AND/OR AS DIRECTED BY THE ENGINEER. MINIMUM 4% (1/2") DESIRABLE; MAXIMUM 8% (1")
7. WHEN MAILBOX TURNOUTS ARE CONSTRUCTED ADJACENT TO FIELD ENTRANCES, THE WIDTH OF THE INCIDENTAL HMA SURFACING CONSTRUCTED FOR THE FIELD ENTRANCE SHALL MATCH THE WIDTH OF THE PROPOSED MAILBOX TURNOUT SURFACING.
8. THE TOTAL SHOULDER WIDTH, 2.4 m (8') MINIMUM, SHALL BE PAVED BETWEEN SIDEROADS ENTRANCES AND/OR MAILBOX TURNOUTS AT LOCATIONS WHERE THE DISTANCE BETWEEN RADIUS OR TAPER CONTROL POINTS IS LESS THAN 15.0 m (50').
9. MAILBOXES SHALL BE MOUNTED SUCH THAT THE FACE OF THE MAILBOX IS 6" (150 mm) TO 12" (300 mm) AND THE POST A MINIMUM OF 24" (600 mm) FROM THE EDGE OF THE TURNOUT SURFACING.

PROJECTS WITH RECONSTRUCTION ("3R" IMPROVEMENTS)



WIDTH OF SHOULDER	4'-0" - 8'-0" (1.2 m - 2.4 m)	10'-0" (3.0 m)
WIDTH OF TURNOUT "Y"	8'-0" (2.4 m)	8'-0" - 10'-0" (2.4 m - 3.0 m)



Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 40800050B

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAILBOX TURNOUT (RURAL)

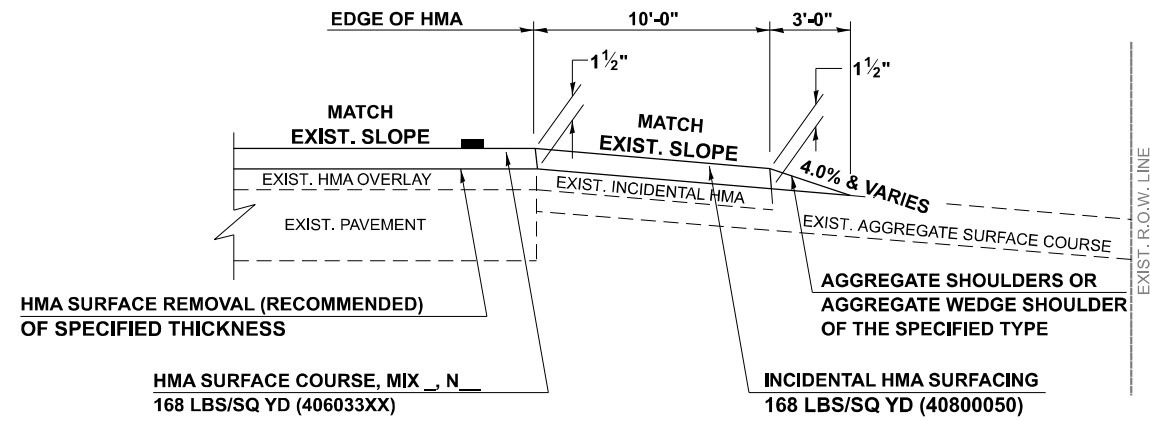
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PLOT DATE = 3/21/2024	DATE - 03/21/2024	REVISED -

SCALE: SHEET 5 OF 17 SHEETS STA. TO STA.

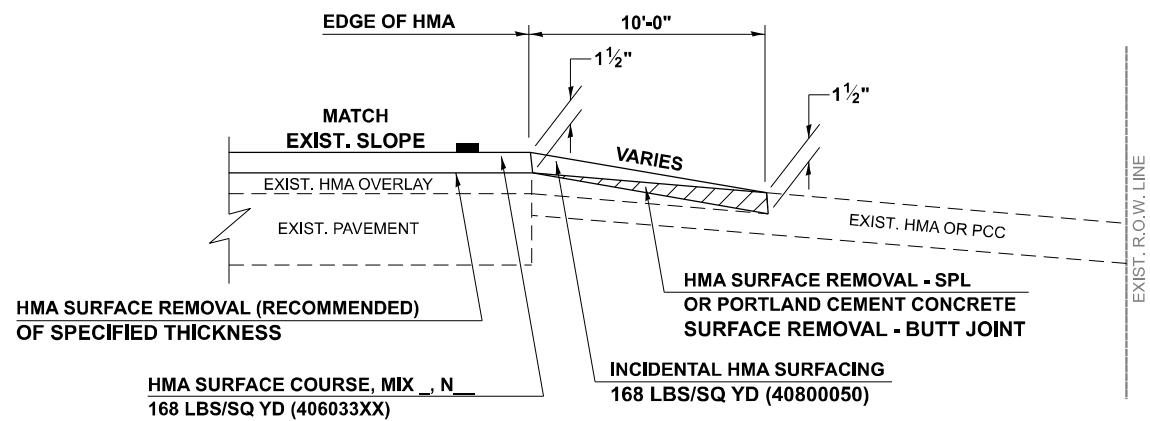
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	135
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IL-5(692)				

PROJECTS WITHOUT RECONSTRUCTION

S.M.A.R.T. IMPROVEMENTS (POLICY RESURFACING; BDE 53-4.03; 1½")

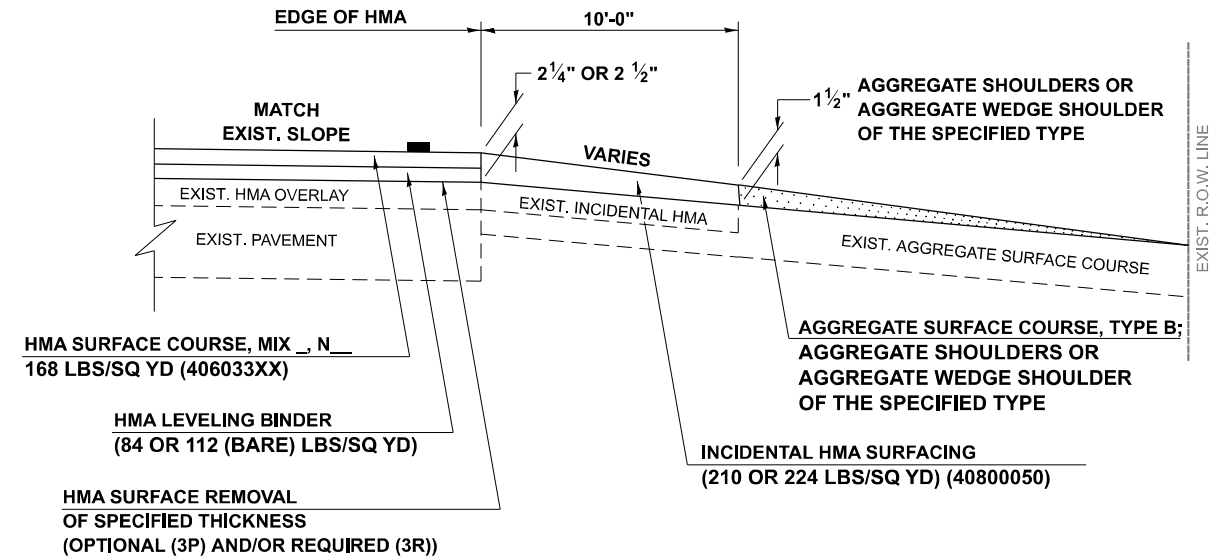


EXISTING AGGREGATE ENTRANCE

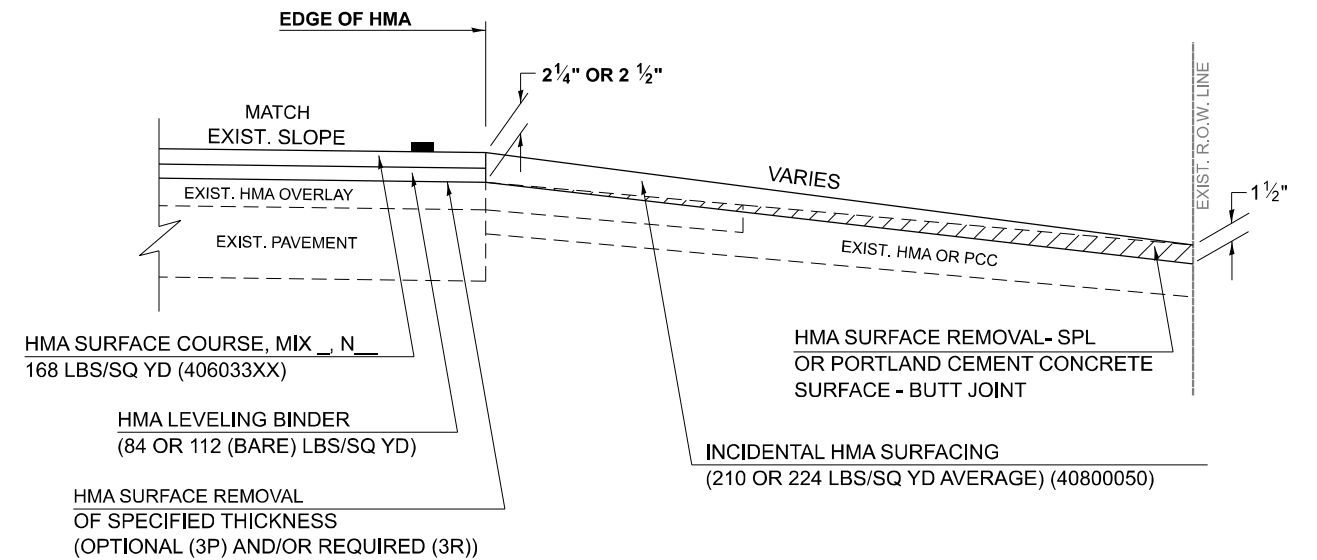


EXISTING HMA OR PCC ENTRANCE

"3P" OR "3R" IMPROVEMENTS (POLICY RESURFACING; BDE 53-4.02; 2¼" OR 2½" ON BARE CONCRETE)



EXISTING AGGREGATE ENTRANCE



EXISTING HMA OR PCC ENTRANCE

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

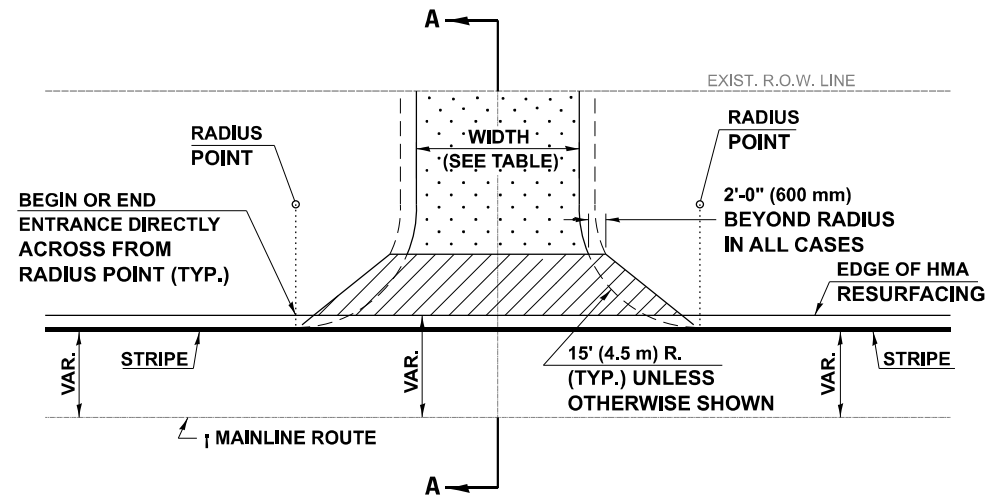
PRIVATE COMMERCIAL ENTRANCES (NONCOMMERCIAL AND COMMERCIAL RURAL)			
SCALE:	SHEET 6	OF 17 SHEETS	STA. TO STA.

DISTRICT 5 DETAIL NO. 4080050C				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	136
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				

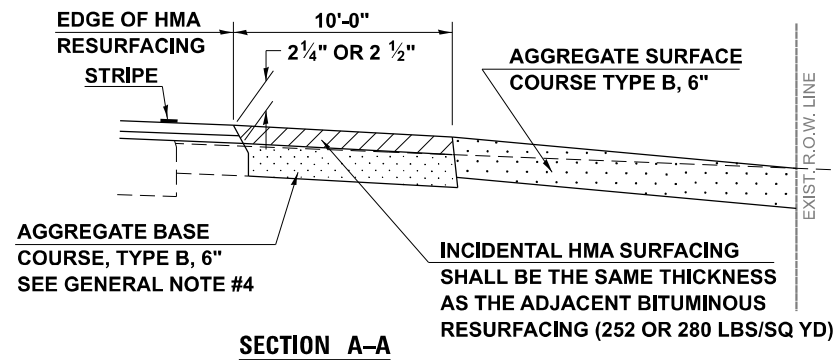
PROJECTS WITH RECONSTRUCTION

AGGREGATE ENTRANCE

(3R IMPROVEMENTS)

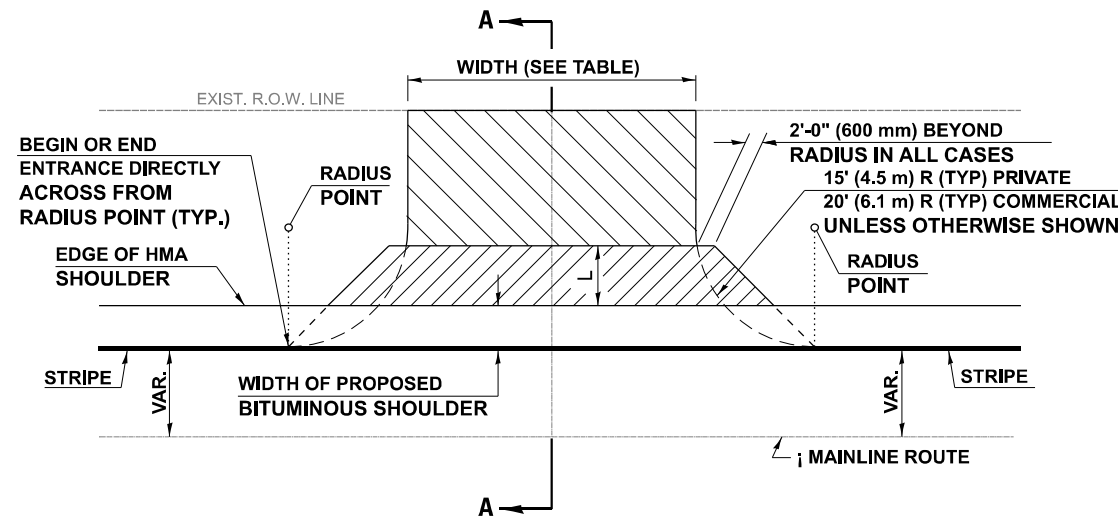


TYPICAL APPLICATION

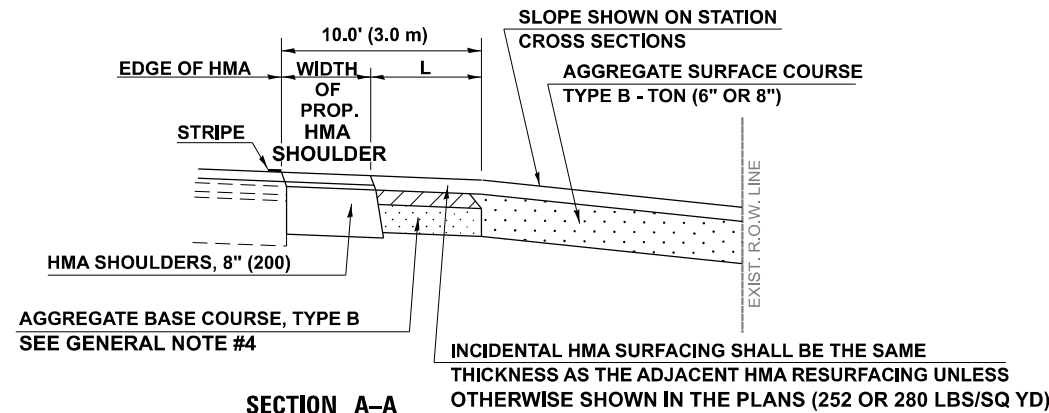


SECTION A-A

HMA OR PCC ENTRANCE



TYPICAL APPLICATION



SECTION A-A
"HMA EXAMPLE"

GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. ANY NECESSARY WORK BEHIND THE HMA SHOULDER OR THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. EARTH EXCAVATION REQUIRED FOR THE CONSTRUCTION OF THE AGGREGATE SURFACE COURSE SHALL BE INCLUDED IN THE COST OF AGGREGATE SURFACE COURSE.
4. AGGREGATE BASE COURSE, TYPE B, 6" (150 mm) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED ENTRANCES. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ANY EXISTING RETURN OR TO CONSTRUCT NEW ENTRANCES WHERE NONE NOW EXISTS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 12" (300 mm) WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
6. EXISTING FIELD ENTRANCES OF AGGREGATE OR EARTH WITH NO HMA APRON SHALL NOT RECEIVE A NEW HMA APRON WITHOUT PROPER APPROVAL THROUGH THE BUREAU OF OPERATIONS "POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS".

TO ASSURE APPROPRIATE ACCESS POLICIES ARE FOLLOWED ALL NEW ACCESS SHALL BE APPLIED FOR THROUGH THE BUREAU OF OPERATIONS PERMIT APPLICATION PROCESS. PLAN PREPARATION MEMORANDUMS 40-09 ALONG WITH DISTRICT PROJECT IMPLEMENTATION MEMO 104/01 DISCUSS THIS PROCEDURE.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

RURAL ENTRANCE DESIGN STANDARDS (PPM 40-09)

DESIGN ELEMENT	NEW CONSTRUCTION & 3R with CONSTRUCTION						3R w/out RECONSTRUCTION, 3P, SMART & CM								
	NONCOMMERCIAL			COMMERCIAL			NONCOMMERCIAL			COMMERCIAL					
	min.	des.	max.	min.	max.	min.	des.	max.	min.	des.	max.	min.	des.	max.	
SURFACE WIDTH (FT)	12	16	24	24	30	1 LANE, 1 WAY			1 LANE, 1 WAY			1 LANE, 1 WAY			
						14	16	24							
RADIUS (FT)	15	25	40	30		2 LANE, 2 WAY			2 LANE, 2 WAY			2 LANE, 2 WAY			
						24	30	35							
SHOULDER WIDTH (FT)	2	2		2		1	3								
SHOULDER SLOPE (%)	2	4	6	4		2	4	6							
ENTRANCE GRADE (%)	0	2 to 5	10 or 12	2 to 5	10 or 12	0	2 to 5	8 or 10							
SIDE SLOPE (FT)	1:10	1:6	1:4	1:6	1:4	1:10	1:6	1:4							
SURFACE TYPE															
INCIDENTAL HMA SURFACING (INCH)		2		2		3 or 4									taper from hma resurfacing thickness (2 1/2", 2 1/4" or 1 1/2") to 1 1/2" to minimize aggregate shoulder
AGGREGATE SURFACE COURSE, TYPE B (INCH)		6		6		8									if applicable, use items: Preparation of Base & Aggregate Base Repair; see PPM 30-02
PCC DRIVEWAY PAVEMENT (INCH)		6													6 or 8

DISTRICT 5 DETAIL NO. 40800050C

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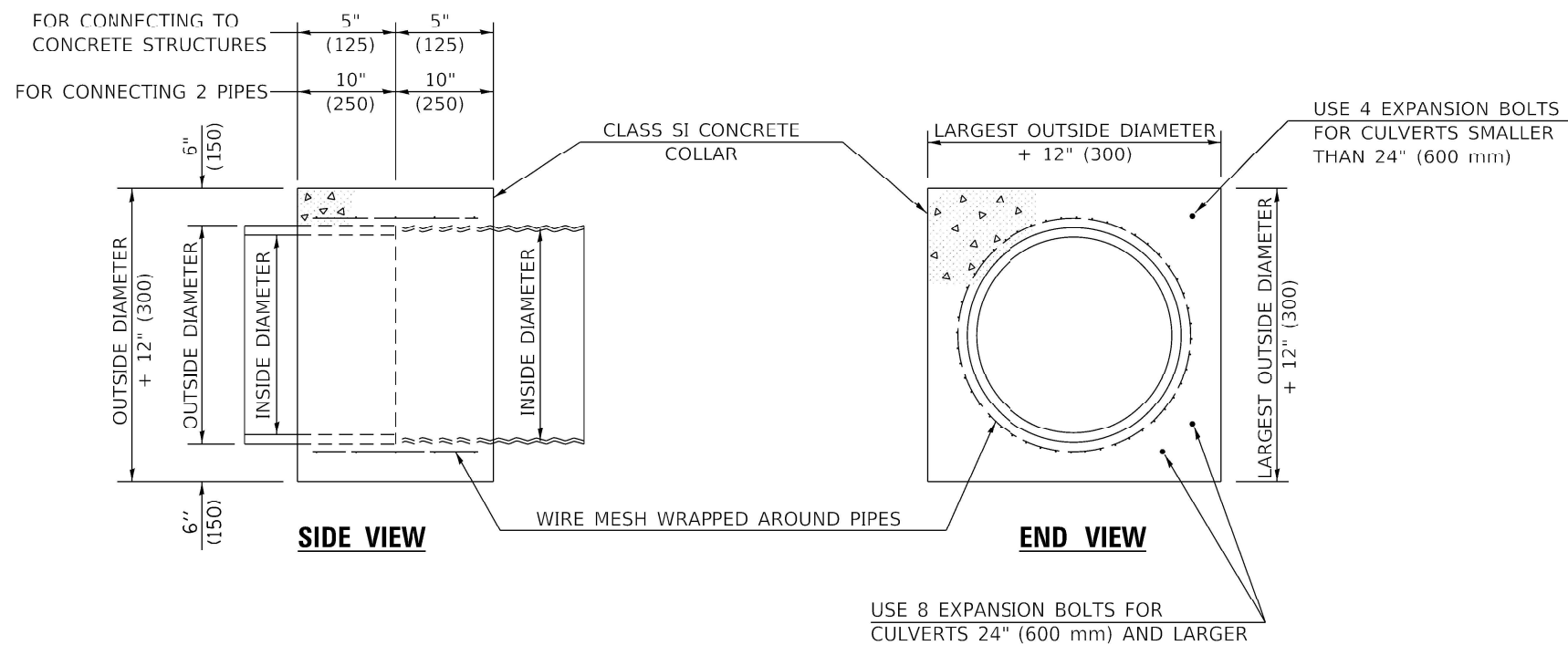
USER NAME = jason.dove	DESIGNED - RAB	REVISED - 05/08 KJT
	DRAWN - MCE	REVISED - 04/10 KJT
PLOT SCALE = 0.1666667 / in.	CHECKED - JWD	REVISED - 3/6/17 SWN
PLOT DATE = 3/21/2024	DATE - 03/21/2024	REVISED - 8/25/22 JWS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRIVATE COMMERCIAL ENTRANCES
(NONCOMMERCIAL AND COMMERCIAL RURAL)

SCALE: SHEET 7 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	137
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-WL5(692)				



GENERAL NOTES

1. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
2. WHEN CONCRETE COLLARS ARE USED TO CONNECT PIPES OF DIFFERENT OUTSIDE DIAMETERS, THE CONCRETE COLLAR SHALL BE FORMED USING THE LARGEST OUTSIDE DIAMETER (SEE END VIEW).
3. THE WIRE MESH SHALL WEIGH NOT LESS THAN 54#/100 SQ. FT. (2.63 kg/m²).
4. WHEN CONCRETE COLLARS ARE CONSTRUCTED ADJACENT TO AN EXISTING CONCRETE STRUCTURE (HEADWALLS, ETC.) EXPANSION BOLTS, SHALL BE USED AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE, EACH, FOR EXPANSION BOLTS OF THE SIZE SPECIFIED IN THE PLANS.
5. CONCRETE COLLARS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE, PER CUBIC YARD (CUBIC METER), FOR CONCRETE COLLARS INCLUDING ALL MATERIAL AND LABOR SPECIFIED TO COMPLETE THE WORK IN PLACE.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

QUANTITIES FOR CONCRETE PIPES	
INSIDE DIAMETER OF PIPE	ESTIMATED CLASS SI CONCRETE REQUIRED
INCH (mm)	20" (500 mm) WIDTH CU.YD. (m ³)
4" (100)	0.14 (0.11)
6" (150)	0.16 (0.12)
8" (200)	0.19 (0.14)
10" (250)	0.22 (0.17)
12" (300)	0.25 (0.19)
15" (375)	0.30 (0.23)
18" (450)	0.35 (0.27)
24" (600)	0.45 (0.35)
30" (750)	0.57 (0.43)
36" (900)	0.69 (0.53)
42" (1050)	0.83 (0.63)
48" (1200)	0.97 (0.74)
54" (1350)	1.12 (0.86)
60" (1500)	1.28 (0.98)

QUANTITIES FOR METAL PIPES	
INSIDE DIAMETER OF PIPE	ESTIMATED CLASS SI CONCRETE REQUIRED
INCH (mm)	20" (500 mm) WIDTH CU.YD. (m ³)
4" (100)	0.12 (0.09)
6" (150)	0.14 (0.11)
8" (200)	0.16 (0.12)
10" (250)	0.19 (0.14)
12" (300)	0.21 (0.16)
15" (375)	0.25 (0.19)
18" (450)	0.29 (0.22)
24" (600)	0.38 (0.29)
30" (750)	0.47 (0.36)
36" (900)	0.59 (0.45)
42" (1050)	0.69 (0.53)
48" (1200)	0.81 (0.62)
54" (1350)	0.93 (0.71)
60" (1500)	1.05 (0.81)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCRETE COLLAR

DISTRICT 5 DETAIL NO. 54248510

USER NAME = Mohammed	DESIGNED -	REVISED - 12/06
	DRAWN -	REVISED -
PLOT SCALE = 40.0000" / 1"	CHECKED -	REVISED -
PLOT DATE = 3/21/2024	DATE -	REVISED -

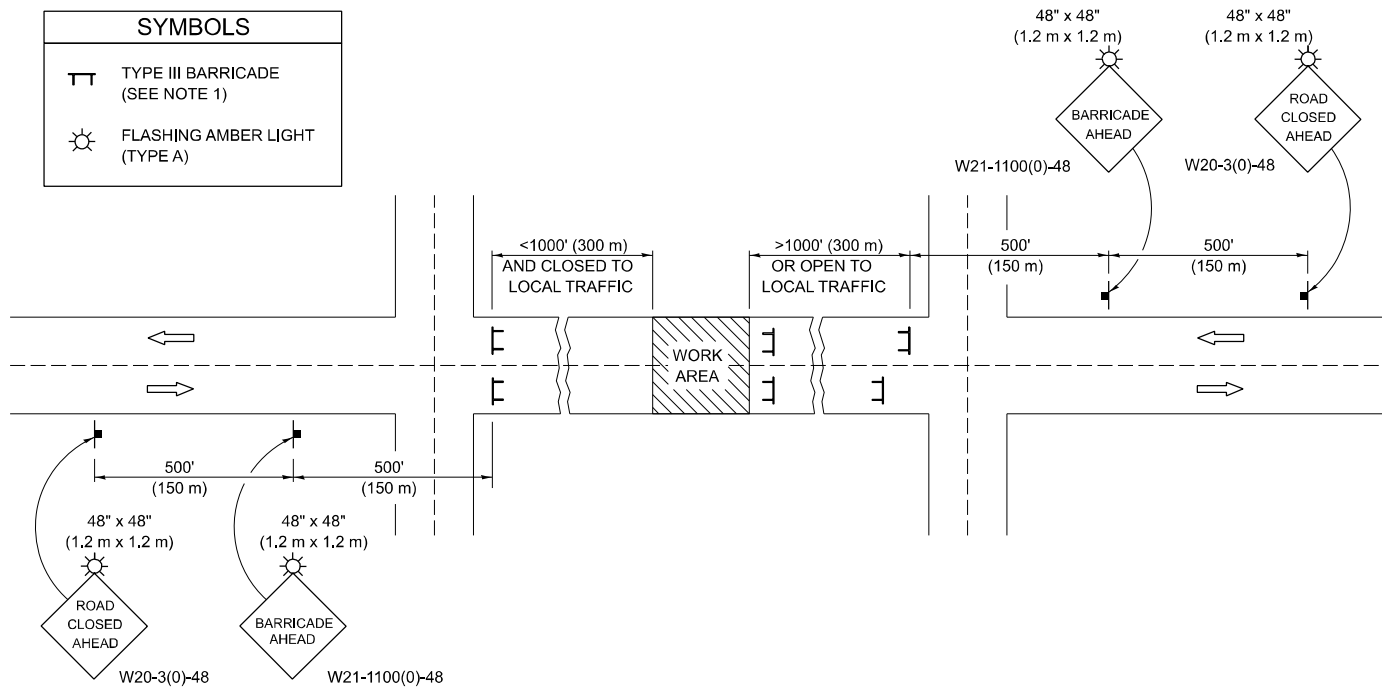
SCALE: SHEET 8 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14CR)	EDGAR	157	138
CONTRACT NO.70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				

ROAD CLOSURE

SIDEROAD / STREET CLOSURE

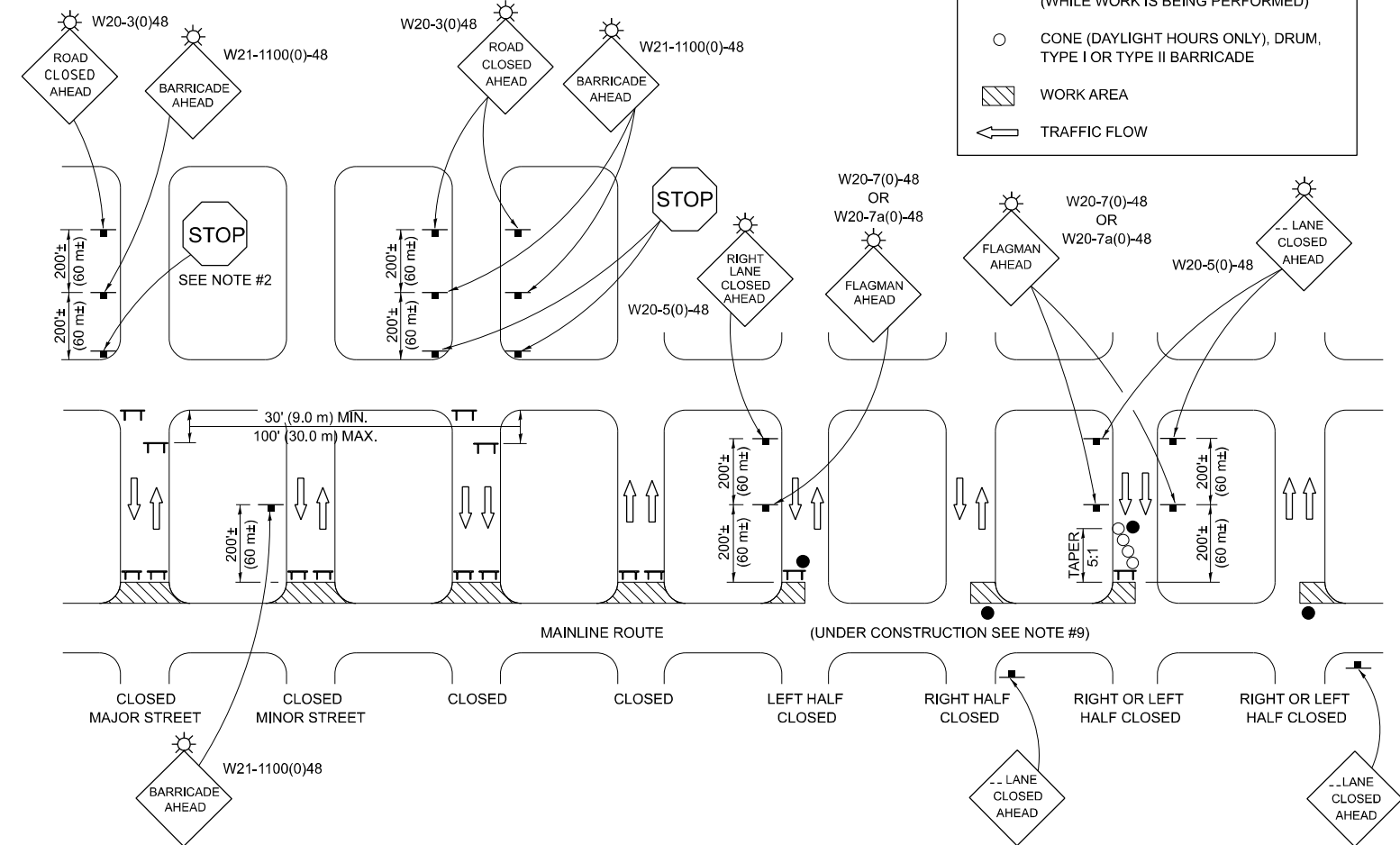
SYMBOLS	
	TYPE III BARRICADE (SEE NOTE 1)
	FLASHING AMBER LIGHT (TYPE A)



GENERAL NOTES

- TYPE III BARRICADES SHALL BE AS SHOWN ON STANDARD 701901 "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
- IF THE ROAD IS OPEN TO LOCAL TRAFFIC OR EXCEEDS 1000' (300 m), ANOTHER SET OF TYPE III BARRICADES, EQUIPPED AS IN NOTE 1 ABOVE, SHALL BE PLACED AT EACH END OF THE WORK AREA.
- WHEN A STOP CONDITION EXISTS, NO SIGNS ARE REQUIRED IN ADVANCE OF THE "STOP" SIGN WHEN THE ROAD IS CLOSED WITHIN 100' (30 m) OF THE INTERSECTION.
- STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & DESIGN OF TYPE III BARRICADES.
- IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON AN NCHRP 350 TEMPORARY SIGN SUPPORT DIRECTLY IN FRONT OF THE BARRICADE.
- REFLECTORIZED STRIPING SHALL APPEAR ON BOTH SIDES OF THE TYPE III BARRICADES IF ROAD IS OPEN TO LOCAL TRAFFIC.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- A MINIMUM OF TWO FLASHING LIGHTS SHALL BE USED AT NIGHT ON EACH APPROACH IN ADVANCE OF THE WORK AREA. FLASHING LIGHTS SHALL BE INSTALLED ABOVE THE FIRST TWO SIGNS IN THE SERIES.
- LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
- FORMS BT. 725 AND BT. 726 ARE REQUIRED.
- WHEN A SIDEROAD INTERSECTS THE HIGHWAY ON WHICH WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC DEVICES SHALL BE ERECTED AND PROVIDED AS DIRECTED BY THE ENGINEER.
- AN ADDITIONAL SIGN MAY BE REQUIRED AT A MAJOR INTERSECTING ROAD IN ADVANCE OF THE CLOSURE. THE ADDITIONAL SIGN SHALL GIVE THE DISTANCE TO THE BARRICADE IN MILES OR FRACTIONS OF A MILE.

SYMBOLS	
	TYPE III BARRICADE (SEE NOTE)
	FLASHING LIGHT
	FLAGGER WITH TRAFFIC CONTROL SIGN (WHILE WORK IS BEING PERFORMED)
	CONE (DAYLIGHT HOURS ONLY), DRUM, TYPE I OR TYPE II BARRICADE
	WORK AREA
	TRAFFIC FLOW



GENERAL NOTES

- TYPE III BARRICADES SHALL BE AS SHOWN ON "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
- WHERE A STOP CONDITION EXISTS, AS SHOWN ABOVE, WARNING SIGNS MAY BE OMITTED IN ADVANCE OF THE "STOP" SIGN.
- STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & MANUFACTURE OF TYPE III BARRICADES.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ONE FLASHING LIGHT IS REQUIRED ABOVE EACH ADVANCE WARNING SIGN DURING HOURS OF DARKNESS.
- LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
- FORMS BT 725 AND BT 726 ARE REQUIRED.
- THE MAINLINE ROUTE TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS.
- ALL FLAGGERS REQUIRED AT SIDE ROADS AND ENTRANCES REMAINING OPEN TO TRAFFIC AND/OR ADDITIONAL BARRICADES REQUIRED BY THE ENGINEER TO CLOSE SIDE ROADS AND ENTRANCES WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

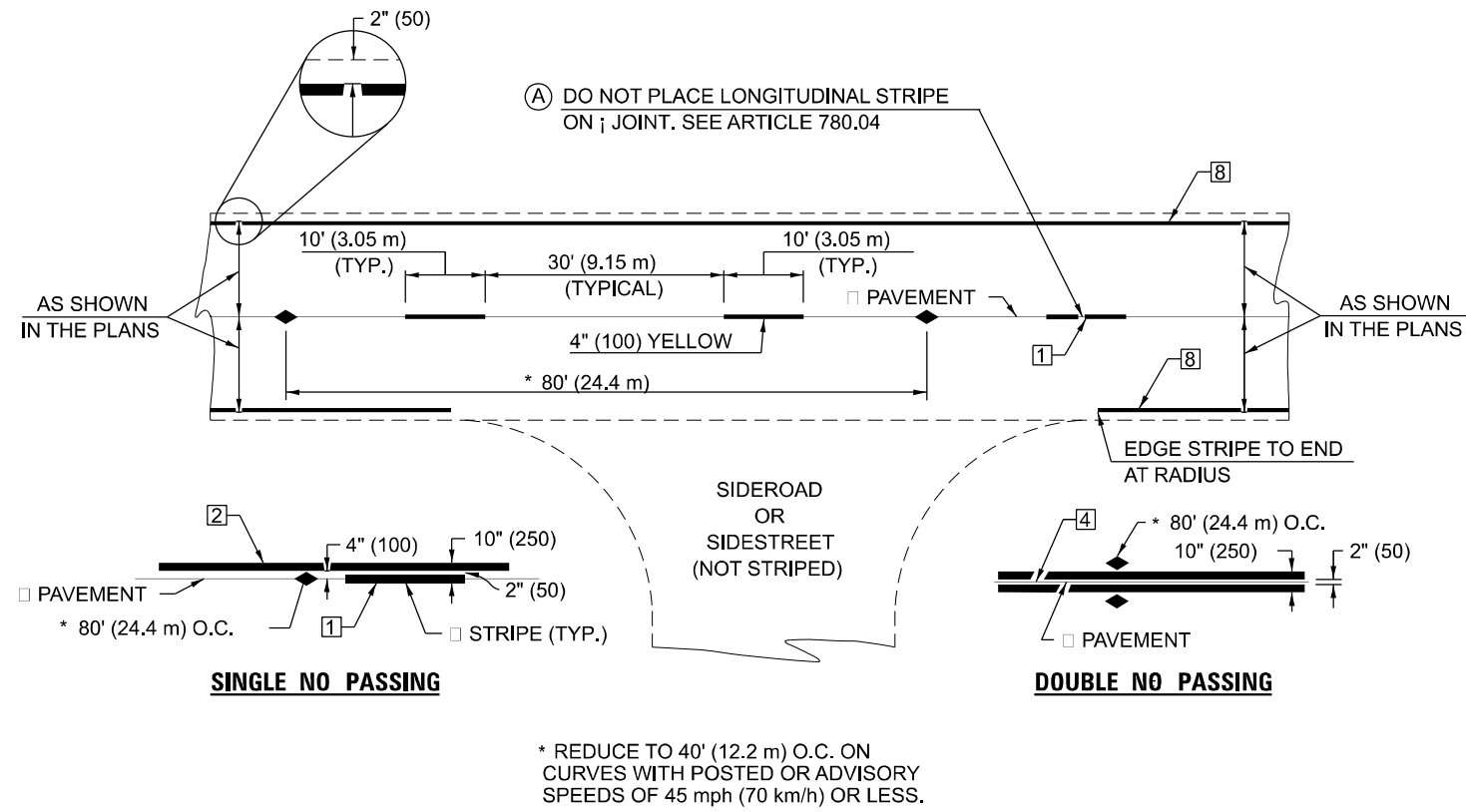
TRAFFIC CONTROL & PROTECTION DEVICES
(ROAD & SIDEROAD / STREET CLOSURES)

DISTRICT 5 DETAIL NO. 7020000

USER NAME = jason.dove	DESIGNED - RAB	REVISED - 11/06
	DRAWN - MCE	REVISED - 12/07
PLOT SCALE = 0.16666667" / in.	CHECKED - JWD	REVISED - 09/09 KJT
PLOT DATE = 3/21/2024	DATE - 03/21/2024	REVISED -

SCALE: SHEET 9 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	151	139
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-1WL5(692)				

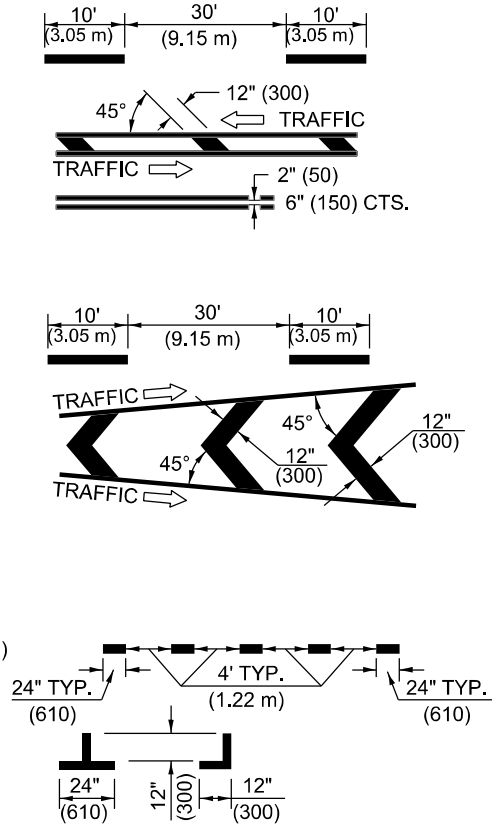


TYPICAL PAVEMENT MARKING LEGEND

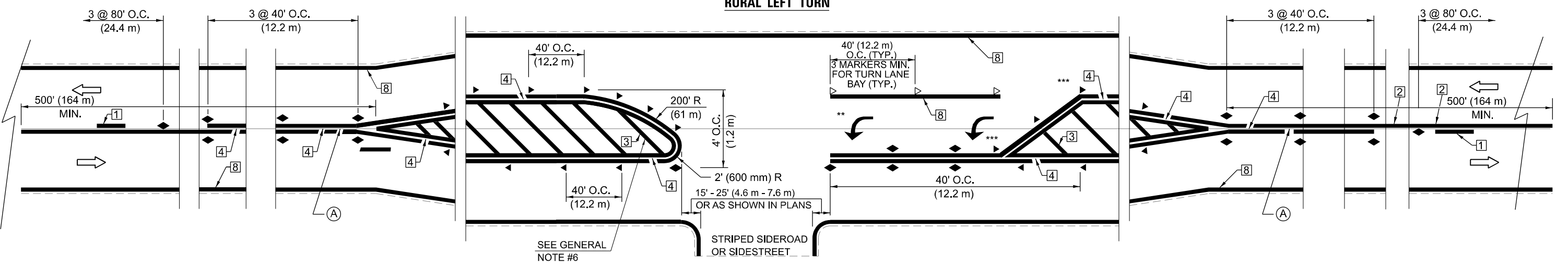
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE)
- 14 4" (100) PARKING WHITE

TYPICAL PAVEMENT MARKERS LEGEND

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER



RURAL LEFT TURN



- *** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.
- ** TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET #2.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 7800AAAA

USER NAME = jason.dove	DESIGNED - RAB	REVISED - 9/2009 KJT
PLOT SCALE = 0.1666667' / in.	DRAWN - MCE	REVISED - 4/2014 JLA
PLOT DATE = 3/21/2024	CHECKED - JWD	REVISED - 3/2019 SWN
	DATE - 03/21/2024	REVISED - 8/2022 JLA

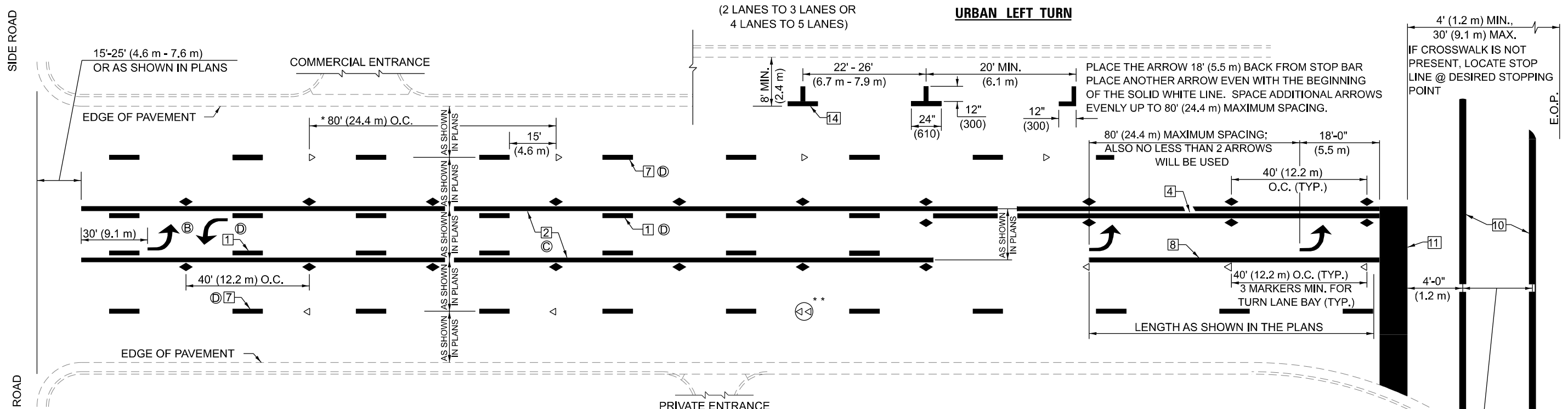
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)**

SCALE: SHEET 10 OF 17 SHEETS STA. TO STA.

F&P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	140
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-WL5(692)				

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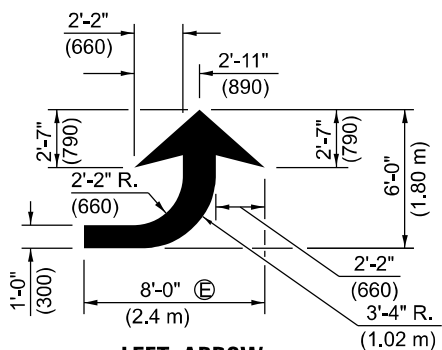


* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

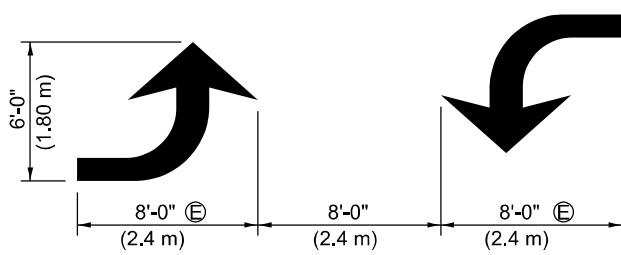
** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

GENERAL NOTES:

- Ⓑ TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE.
- Ⓒ THE SOLID YELLOW PAVEMENT MARKINGS 2 □ SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
- Ⓓ THE SKIP-DASH PAVEMENT MARKINGS 1 □ OR 7 □ SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER. SEE EXAMPLE ON SHEET 2 OF 3.
- Ⓔ USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)

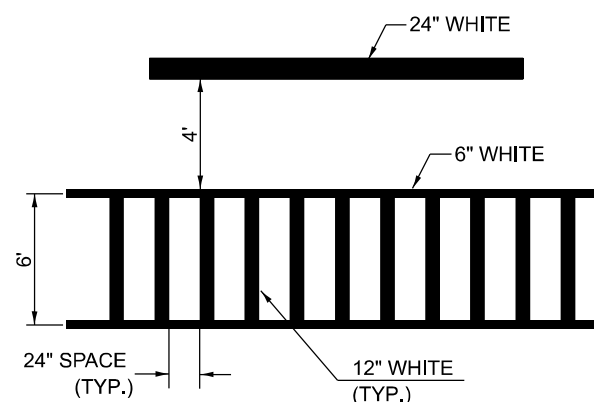


LEFT ARROW
REVERSE FOR RIGHT ARROW
AREA = 15.6 SQ. FT. (1.47 m²) (WHITE)

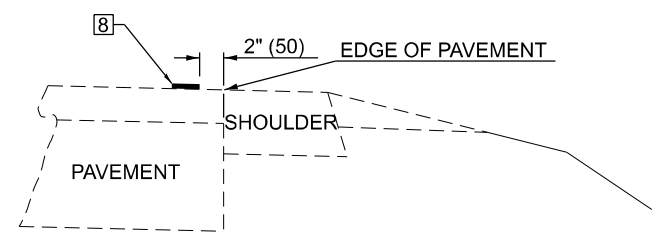


TYPICAL DOUBLE TURN ARROWS (WHITE)

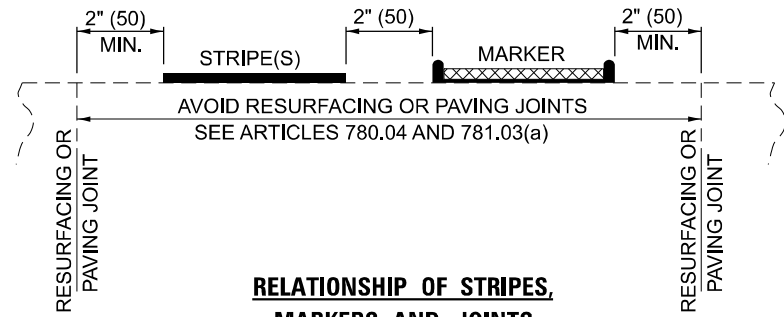
BLOOMINGTON-NORMAL CITY LIMITS ONLY



TYPICAL SPACING FOR CROSSWALKS & STOP BARS



RELATIONSHIP OF EDGE LINE TO EDGE OF PAVEMENT
(SAFETY SHOULDER OR PAVED SURFACE)
SEE ARTICLE 780.04



RELATIONSHIP OF STRIPES, MARKERS AND JOINTS

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

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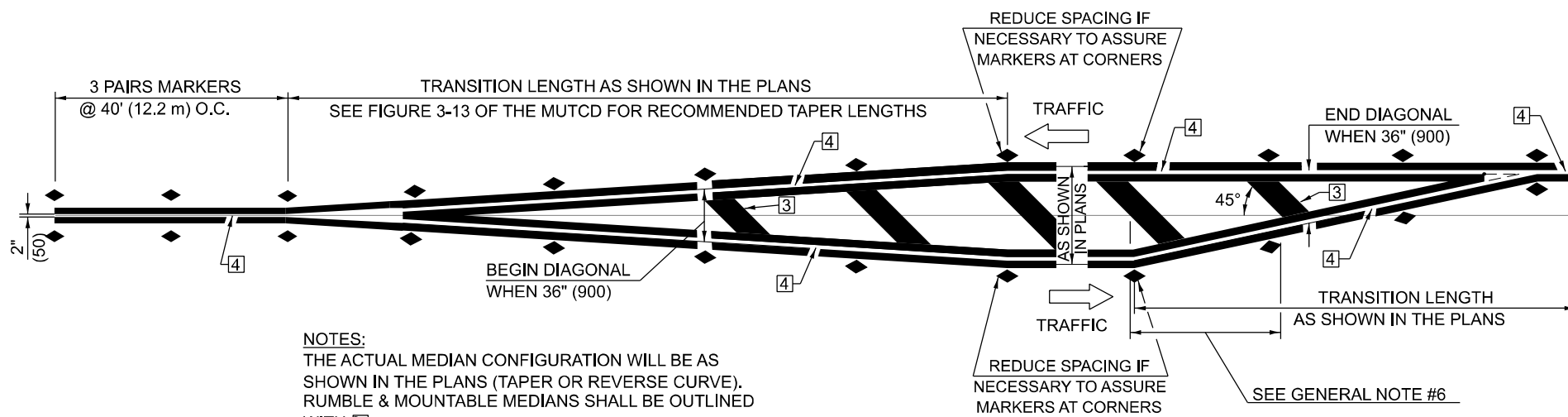
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DRAWN - MCE	REVISED - 4/2014 JLA	
PLOT SCALE = 0.16666667 / in.	CHECKED - JWD	REVISED - 3/2019 SWN
PLOT DATE = 3/21/2024	DATE - 03/21/2024	REVISED - 8/2022 JLA

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)**

SCALE: SHEET 11 OF 17 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 7800AAAA				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	141
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				

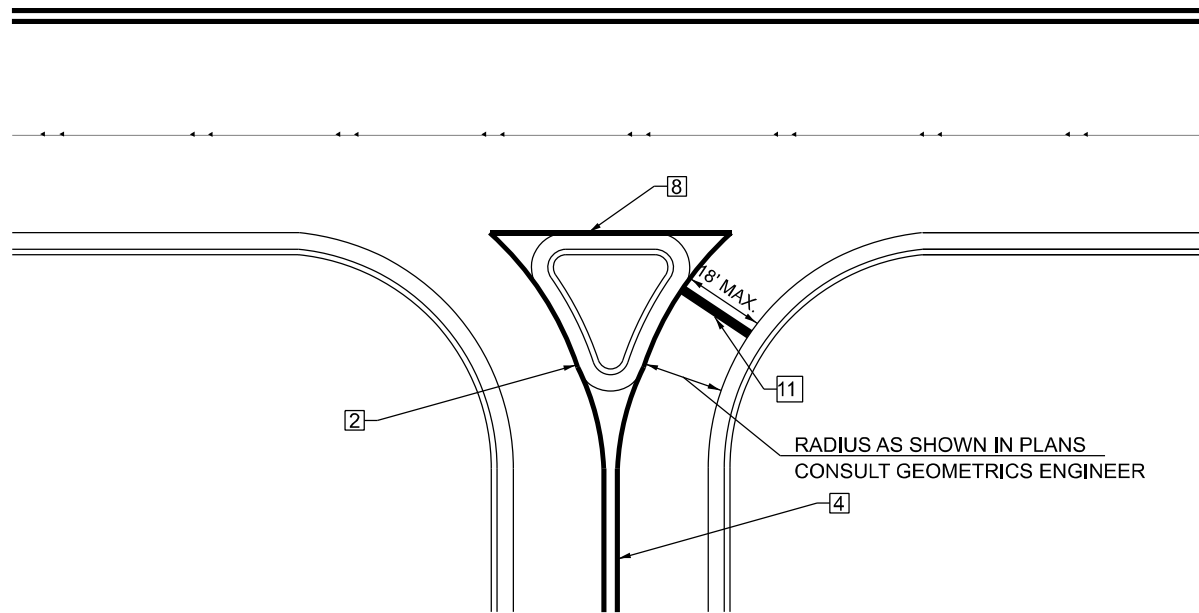


NOTES:
 THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).
 RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH

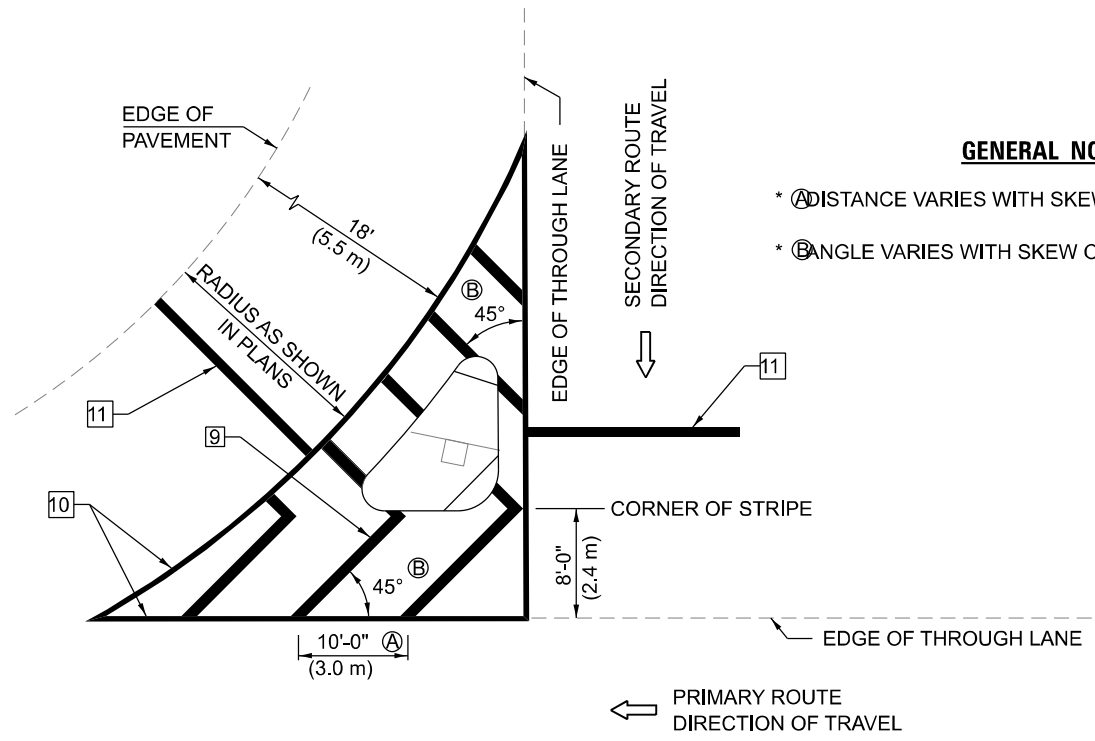
TYPICAL MEDIAN TRANSITIONS

GENERAL NOTES

1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
5. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
6. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING,
 <30 MPH USE 15' (<50 km/h USE 4.5 m)
 30-45 MPH USE 20' (50-75 km/h USE 6.0 m)
 >45 MPH USE 30' (>75 km/h USE 9.0 m)



RIGHT IN - RIGHT OUT ACCESS



ISLAND

GENERAL NOTES

- * Ⓐ DISTANCE VARIES WITH SKEW OF INTERSECTION.
- * Ⓑ ANGLE VARIES WITH SKEW OF INTERSECTION.

* FOR RIGHT TURN LANE AND ISLAND STRIPING CONSULT GEOMETRICS ENGINEER.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 7800AAAA

MODEL: Detail 19
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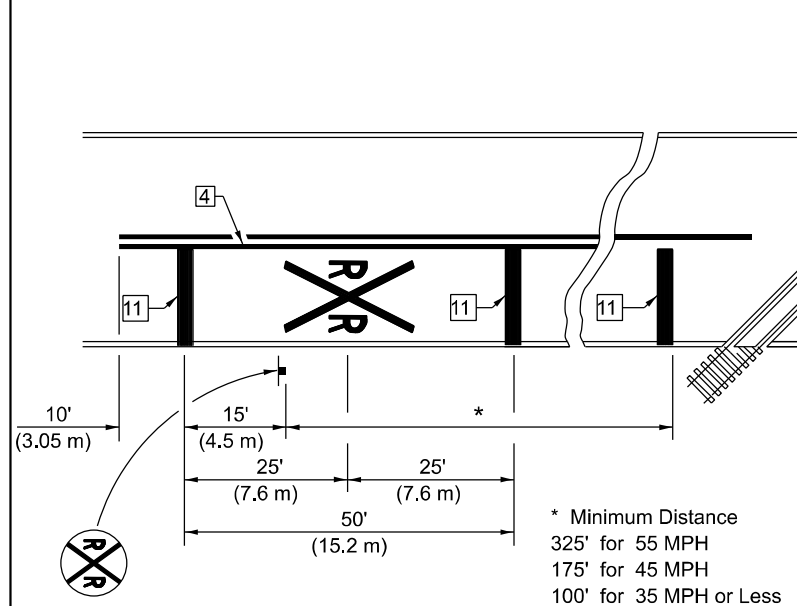
USER NAME = jason.dove	DESIGNED - RAB	REVISED - 9/2009 KJT
PLOT SCALE = 0.16666667 / in.	DRAWN - MCE	REVISED - 4/2014 JLA
PLOT DATE = 3/21/2024	CHECKED - JWD	REVISED - 3/2019 SWN
	DATE - 03/21/2024	REVISED - 8/2022 JLA

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND MARKERS
 (RURAL & URBAN APPLICATIONS)**

SCALE: SHEET 12 OF 17 SHEETS STA. TO STA.

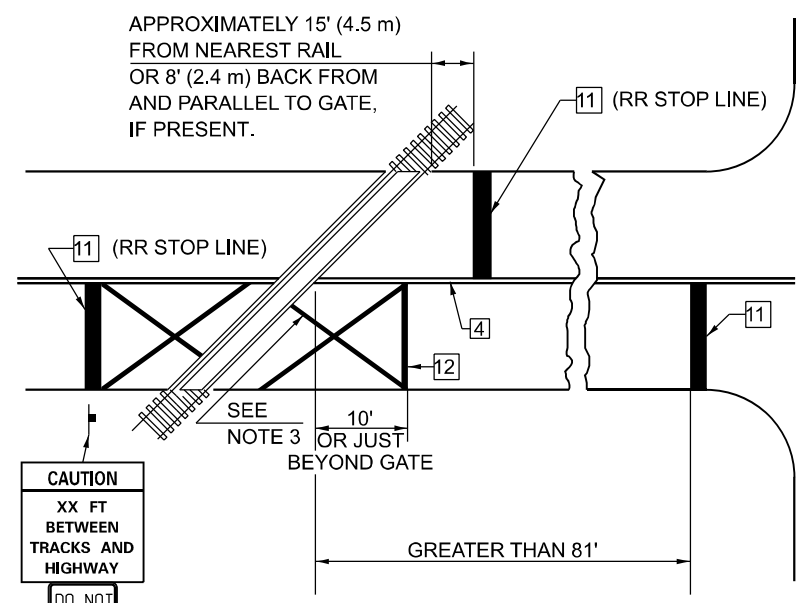
F&P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	142
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				



PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

APPROXIMATELY 15' (4.5 m) FROM NEAREST RAIL OR 8' (2.4 m) BACK FROM AND PARALLEL TO GATE, IF PRESENT.

RAILROAD CROSSING WITH INTERCONNECT ONLY

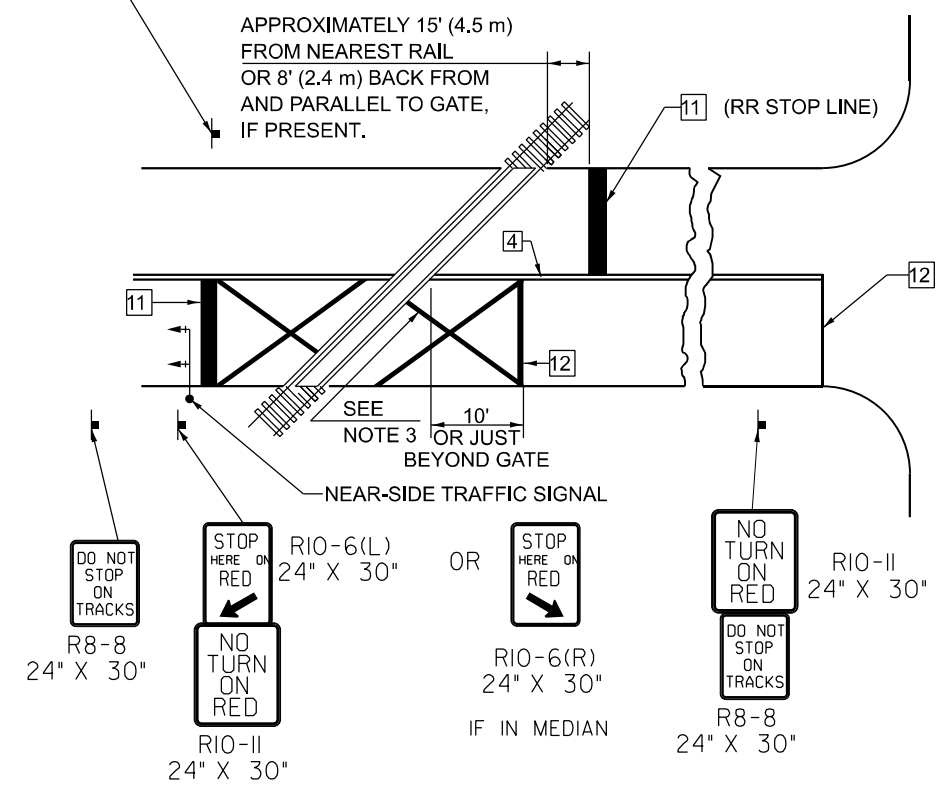


APPROXIMATELY 15' (4.5 m) FROM NEAREST RAIL OR 8' (2.4 m) BACK FROM AND PARALLEL TO GATE, IF PRESENT.

W10-1100
30" X 36"
CAUTION
XX FT
BETWEEN
TRACKS AND
HIGHWAY
DO NOT
STOP
ON
TRACKS
R8-8
24" X 30"

DO NOT STOP ON TRACKS
R8-8
24" X 30"

RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



APPROXIMATELY 15' (4.5 m) FROM NEAREST RAIL OR 8' (2.4 m) BACK FROM AND PARALLEL TO GATE, IF PRESENT.

DO NOT STOP ON TRACKS
R8-8
24" X 30"

STOP HERE ON RED
RIO-6(L)
24" X 30"
NO TURN ON RED
RIO-II
24" X 30"

STOP HERE ON RED
RIO-6(R)
24" X 30"
IF IN MEDIAN

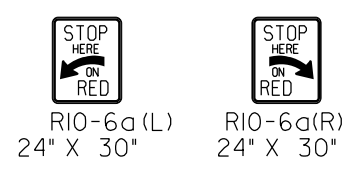
NO TURN ON RED
RIO-II
24" X 30"
DO NOT STOP ON TRACKS
R8-8
24" X 30"

GENERAL NOTES

1. SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
2. EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.
3. 6" WHITE PAVEMENT MARKINGS AT 45° TO PAVEMENT, 8' CENTER TO CENTER.
4. XX DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET FROM THE RAIL CLOSEST TO THE INTERSECTION OR FROM THE CLOSEST POINT ALONG THE EXIT GATE IF PRESENT OVER THE ROADWAY WHEN IN THE LOWERED POSITION TO THE STOP BAR OR CROSSWALK, WHICH EVER IS CLOSEST, ROUNDED DOWN TO NEAREST 5 FEET. WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
5. THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6 FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS EXTENDED TO THE INTERSECTION.

SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

ALTERNATE SIGNS



NOTES

THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 7800AAAA

MODEL: Detail 13
FILE NAME: C:\020202020201A\113_015\Sheets\770C14\Rail-Highway-05-020202020201A.dwg

USER NAME = jason.dove	DESIGNED - RAB	REVISED - 9/2009 KJT
DRAWN - MCE	REVISED - 4/2014 JLA	
PLOT SCALE = 0.16666667 / in.	CHECKED - JWD	REVISED - 3/2019 SWN
PLOT DATE = 3/21/2024	DATE - 03/21/2024	REVISED - 8/2022 JLA

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)**

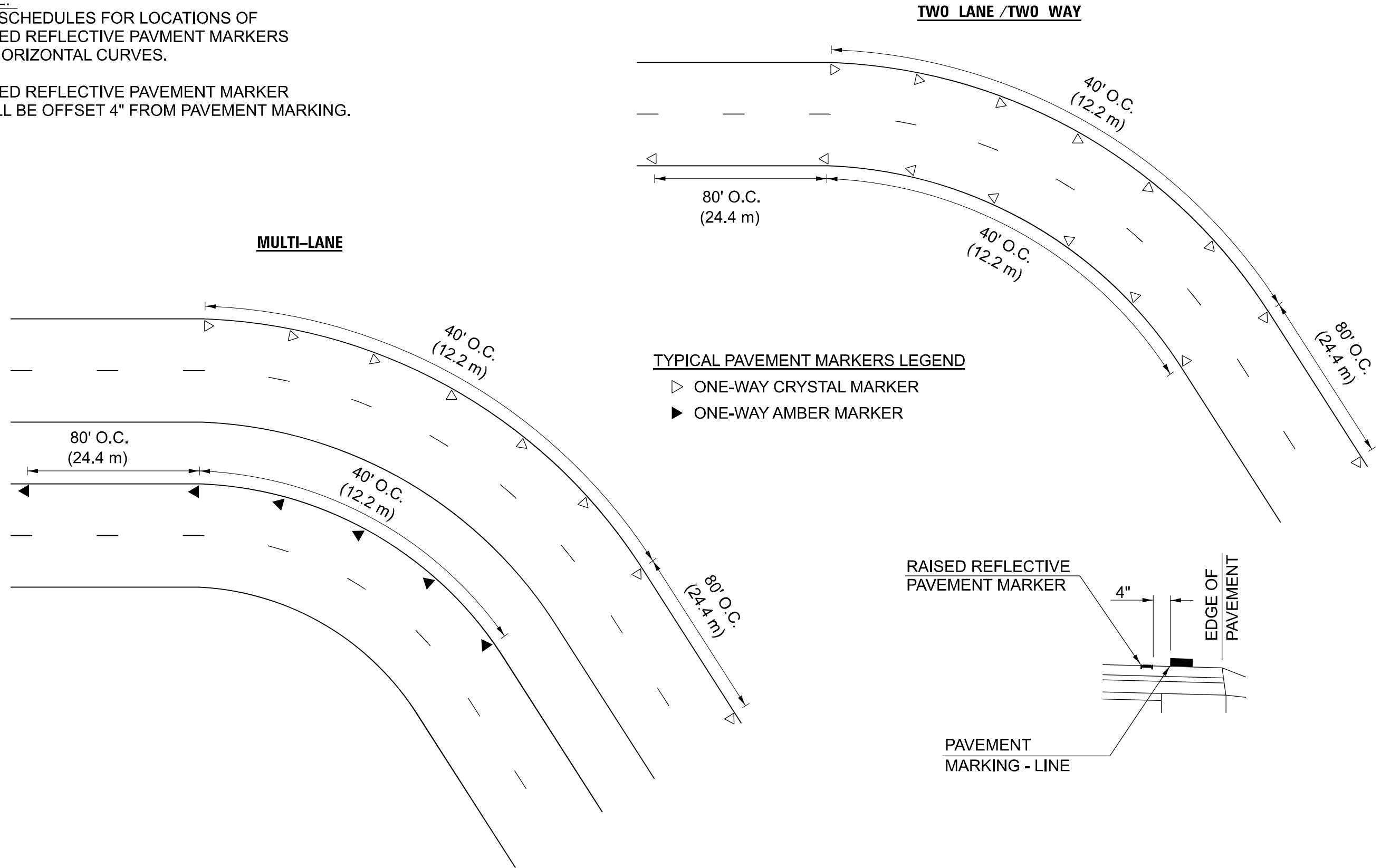
SCALE: SHEET 13 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	143
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				

DETAIL FOR RAISED REFLECTIVE PAVEMENT MARKERS ON HORIZONTAL CURVES

NOTE:
SEE SCHEDULES FOR LOCATIONS OF
RAISED REFLECTIVE PAVMENT MARKERS
ON HORIZONTAL CURVES.

RAISED REFLECTIVE PAVEMENT MARKER
SHALL BE OFFSET 4" FROM PAVEMENT MARKING.



MODEL: Detail 14
FILE NAME: C:\020202020201A\133_DBSheets\270C14\14RS-3(122)RS-4(14CR).dgn

USER NAME = jason.dove	DESIGNED - RAB	REVISED -
	DRAWN - MCE	REVISED -
PLOT SCALE = 0.16666667 / in.	CHECKED - JWD	REVISED -
PLOT DATE = 3/21/2024	DATE - 03/21/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

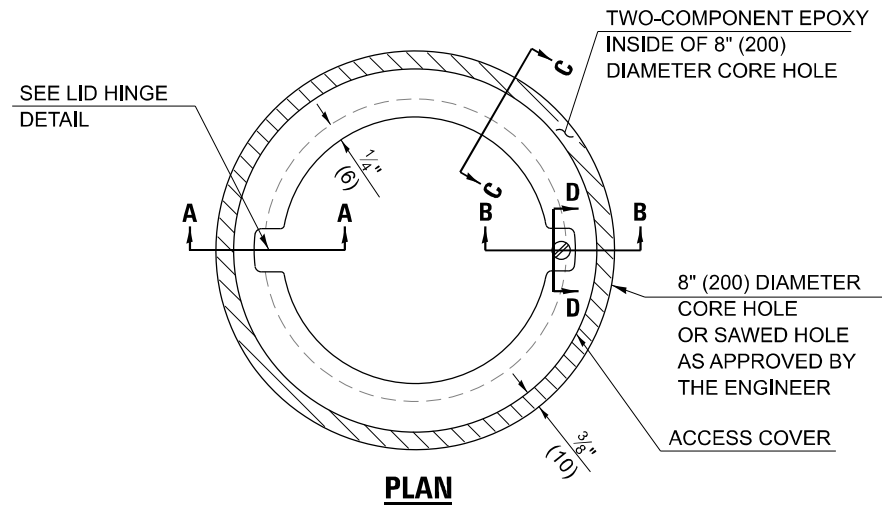
**RAISED REFLECTIVE PAVEMENT
MARKERS ON HORIZONTAL CURVES**

SCALE: SHEET 14 OF 17 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 7810AAAA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	144
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-WL5(692)				

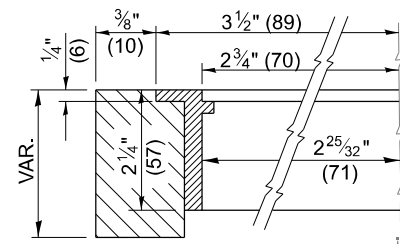
TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT
FOR PRESERVING LAND SURVEY MONUMENTS (SECTION
OR SUBSECTION CORNERS)



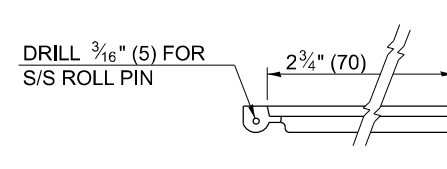
LEGEND

- ALUMINUM CASTING
- 5" (125) OR 6" (150) P.V.C. PIPE
- TWO-COMPONENT EPOXY

T = THICKNESS OF PAVEMENT STRUCTURE
H = THE THICKNESS OF THE SUB-BASE GRANULAR + 1" (25)



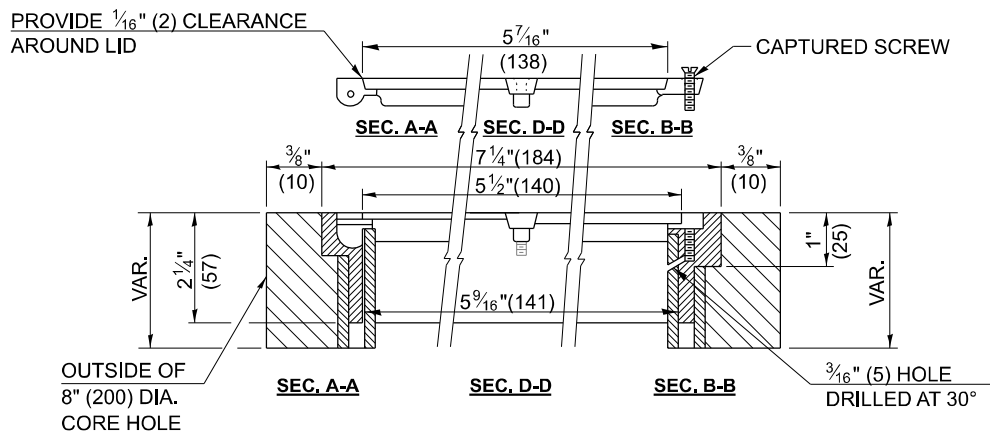
SECTION C-C



LID HINGE DETAIL

SPECIFICATIONS FOR ACCESS COVER FOR USE WITH SURVEY MARKER VAULT(S) AND SURVEY MARKER COVER ASSEMBLY(S): THE ACCESS COVER WILL BE CAST FROM A SPECIAL ALUMINUM ALLOY THAT IS COMPARABLE TO BRONZE IN HARDNESS. THE ACCESS COVER SHALL BE SPECIALLY ENGINEERED AND DESIGNED TO PROVIDE A SNUG FIT, INCORPORATING EQUIDISTANT LOCKING RIDGES, INSIDE A STANDARD 6" (150 mm) DIAMETER, OR OUTSIDE A STANDARD 5" (125 mm) DIAMETER, SCHEDULE 40 PVC PIPE. THE ACCESS COVER SHALL HAVE SPECIAL UNIFORM 1" (25 mm) THICK TOP SURFACE TO PERMIT INFORMATION TO BE EASILY MACHINE-STAMPED INTO IT. THE ACCESS COVER SHALL INCLUDE A STAINLESS CAPTURED SCREW AND AN OPPOSING RECESSED HINGE ASSEMBLY AS ITS LOCKING MECHANISM. THE ACCESS COVER SHALL INCORPORATE A SPECIAL ACCESS HOLE FOR CLEANING AND DRAINAGE, DRILLED AT 30° INSIDE THE RING OF THE ACCESS COVER, TO THE DRILLED AND TAPPED HOLE PROVIDED FOR THE STAINLESS CAPTURED SCREW. COMPOSITION: ALUMINUM 92-93%; MAGNESIUM 6.5-7.5%. STRENGTH: YIELD - 19,000-21,000 PSI (131-145 MPa); TENSILE - 38,000-44,000 PSI (262-303 MPa); ELONGATION - 10-15% IN 2" (50 mm). SPECIFICATIONS: ALLOY 535.0; QQ-A-601Es. NO EXCEPTIONS.

RE-BAR-SURVEY MARKER, TYPE I, (SPECIAL) TO BE FURNISHED BY THE CONTRACTOR AND SET BY AN ILLINOIS PROFESSIONAL LAND SURVEYOR (SEE SPECIAL DETAIL SHEET FOR ALUMINUM TABLET AND RE-BAR SPECIFICATIONS).



ELEVATION

BILL OF MATERIAL

ALUMINUM CASTING OF THE DIMENSIONS AND SPECIFICATIONS SHOWN OR OTHER SUBJECT TO ENGINEER'S APPROVAL OF SHOP DRAWINGS, 5" OR 6" (125 mm OR 150 mm) DIAMETER P.V.C. PIPE, SCHEDULE 40, ALUMINUM TABLET, STAMPED IN ACCORDANCE WITH STANDARD 667101, 5/8" X 48" (#15 X 1.2 m) RE-BAR, EPOXY AND FA-01/02 AGGREGATE.

GENERAL NOTES

1. ALUMINUM CASTING SHALL BE EITHER PLACED OVER A 5" (125 mm) P.V.C. PIPE OR INSIDE OF A 6" (150 mm) P.V.C. PIPE.
2. BACKFILL WITH FINE AGGREGATE - FA-01/02.
3. WORK SHALL NOT START ON THIS ITEM UNTIL THE FINAL LIFT OF SURFACE HAS BEEN COMPLETED.
4. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR SURVEY MARKER VAULT WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIAL AS SPECIFIED INCLUDING CORING, EPOXY AND FA-01/02 AGGREGATE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
5. THE CASTING SHALL BE ANCHORED IN THE 8" (200 mm) DIAMETER CORE HOLE WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
6. ALL SURVEY MARKER (VAULTS) SHALL BE PLACED 1/4" (6 mm) BELOW THE FINAL SURFACE.
7. THE 8" (200 mm) DIAMETER CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. X0301232

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SURVEY MARKER VAULT

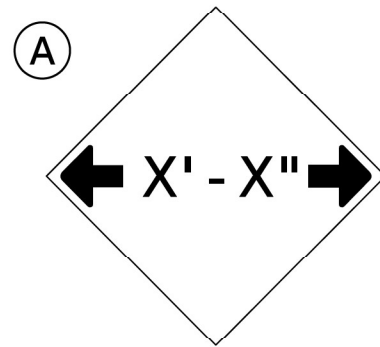
SCALE: SHEET 15 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	145
CONTRACT NO. 70C14				

ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)

MODEL: Detail 15
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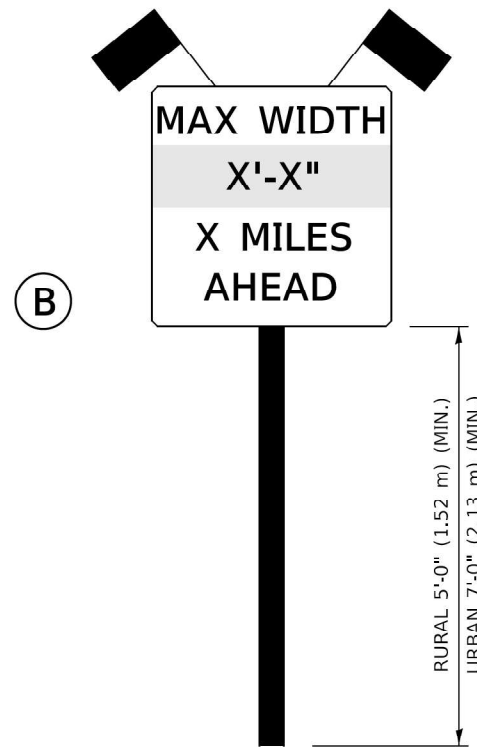
USER NAME = jason.dove	DESIGNED - RAB	REVISED - 11/06
PLOT SCALE = 0.16666667 / in.	DRAWN - MCE	REVISED -
PLOT DATE = 3/21/2024	CHECKED - JWD	REVISED -
	DATE - 03/21/2024	REVISED -



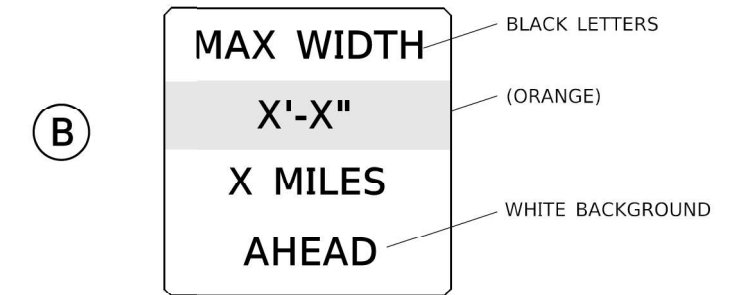
W12-2(O)-48"x48"(1200x1200)

SIGN (A) 2 SIGNS - W12-2(O)-48"x48"(1200x1200) ARE TO BE PLACED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

SIGN (B) 2 SIGNS - (SIGN PANEL, TYPE II) AS SHOWN ARE TO BE PLACED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.



SIGN PANEL, TYPE II



**W12-I103(O)-48"x48"(1200x1200)
"D" LETTERS/NUMBERS**

GENERAL NOTES

1. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.
2. ALL (B) SIGNS SHALL HAVE FLAGS INSTALLED UNLESS OTHERWISE DIRECTED.
3. LOCATIONS OF TRAFFIC CONTROL DEVICES MAY BE ADJUSTED BY THE ENGINEER.
4. ALL TRAFFIC CONTROL SHOWN ON THIS SHEET SHALL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR WIDTH RESTRICTION SIGNING.
5. ALL SIGNS SHALL BE POST MOUNTED UNLESS OTHERWISE DIRECTED.
6. ALL SIGNS SHOWN ORANGE (O) SHALL BE FLUORESCENT ORANGE.
7. ALL SIGNS SHOWN SHALL CONSIST OF THE CURRENT RETROREFLECTIVE SHEETING REQUIREMENTS AS OUTLINED IN SECTION 1106.01 OF THE STANDARD SPECIFICATIONS BOOK.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

MODEL: \$MODELNAME
FILE: \\p1048181\DOT\Illinois\p1048181\DOT\Documents\DOT Office\District 5\Standards\District 5 Details\New Fonts and Annotations\X7200201.dgn

USER NAME = plersonbr	DESIGNED -	REVISED - 05/08
	DRAWN -	REVISED - 10/08 KJT
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED - 07/09 KJT
PLOT DATE = 3/12/2018	DATE -	REVISED - 03/11 KJT

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WIDTH RESTRICTION SIGNING

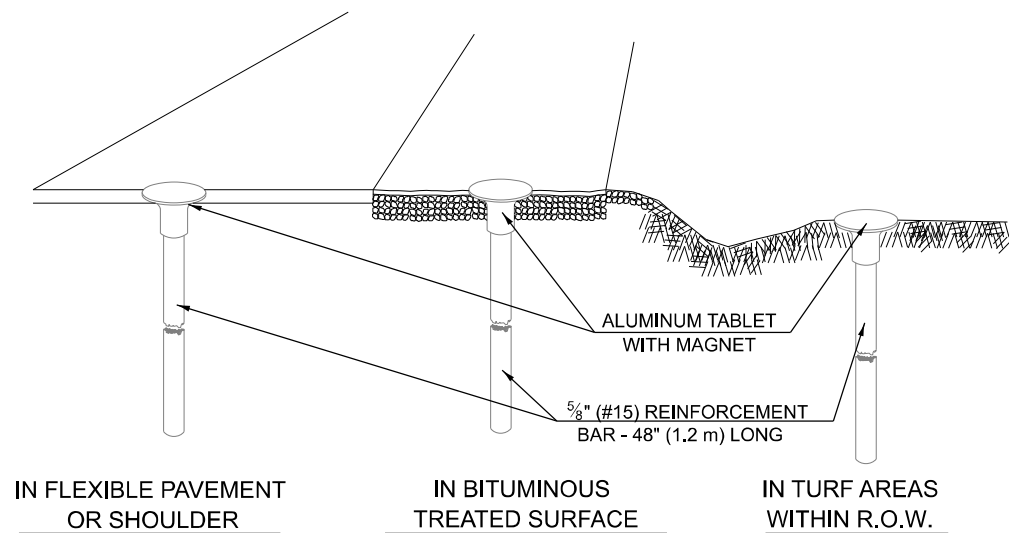
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. X7200201

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	146
			CONTRACT NO. 70C14	
			ILLINOIS FED. AID PROJECT	

XZ193300 – SURVEY MARKER, TYPE 1 (SPECIAL)

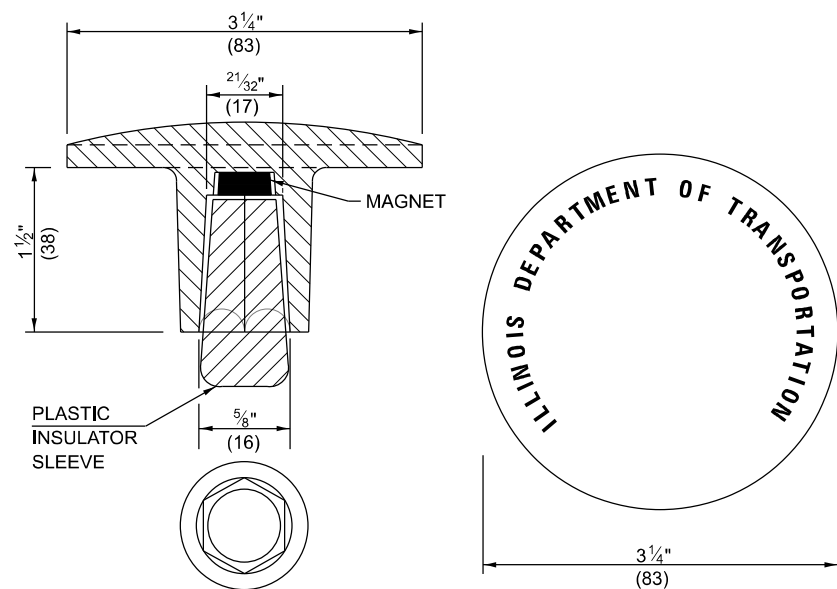
TO BE INSTALLED IN FLEXIBLE PAVEMENT OR SHOULDER, BITUMINOUS TREATED SURFACE AND TURF AREAS WITHIN THE RIGHT-OF-WAY FOR PRESERVING PERMANENT SURVEY MARKERS (P'S, PT'S, PC'S, POC'S, & POT'S)



IN FLEXIBLE PAVEMENT OR SHOULDER

IN BITUMINOUS TREATED SURFACE

IN TURF AREAS WITHIN R.O.W.



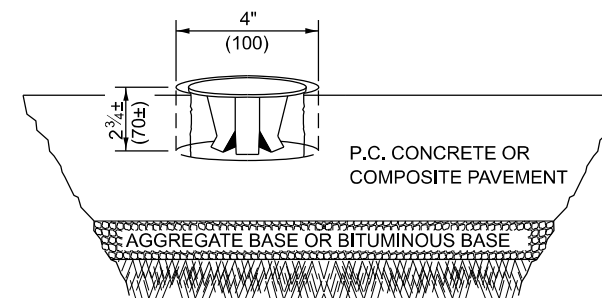
THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

GENERAL NOTES

1. THE CONTRACT UNIT PRICE, EACH, FOR SURVEY MARKER, TYPE 1 (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE REINFORCEMENT BAR AND ALUMINUM TABLET AND FOR ALL LABOR AND MATERIAL REQUIRED TO SET THE MARKER IN PLACE.
2. ALL SURVEY MARKERS, TYPE 1 (SPECIAL) SHALL BE PLACED ±1/4" (6 mm) BELOW THE FINAL SURFACE.
3. WHEN THE TABLET AND REBAR ARE PLACED AS PART OF A SURVEY MARKER VAULT, THEY SHALL BE CONSIDERED AS INCLUDED IN THAT PAY ITEM AND THERE WILL BE NO PAYMENT FOR THE SURVEY MARKER, TYPE 1 (SPECIAL).

XZ193400 – SURVEY MARKER, TYPE 2 (SPECIAL)

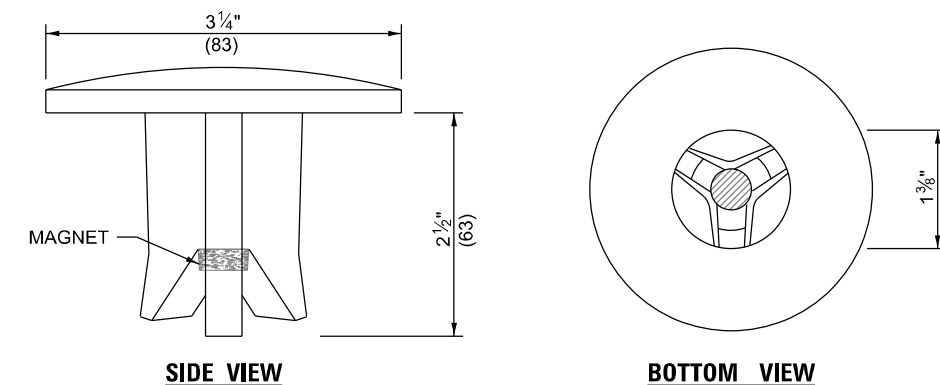
TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT FOR PRESERVING PERMANENT SURVEY MARKERS (P'S, PT'S, PC'S, POC'S, & POT'S)



SPECIFICATIONS FOR ALUMINUM TABLET (FORKED)

ALUMINUM TABLET (FORKED) FOR USE WITH "SURVEY MARKER, TYPE 2, (SPECIAL)" SHALL BE AS SHOWN ON THE DETAIL FOR THE 3 1/4" (83 mm) CONVEX SURVEY TABLET WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE FOR LETTERS RECESSED INTO THE SURFACE A MINIMUM OF 1/32" (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM TABLET SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD. THE ALUMINUM TABLET SHALL BE DESIGNED NOT TO TURN OR ROTATE. THREE PRONGS ON A 2 1/2" (63 mm) STEM SHALL BE SUCH THAT THE ALUMINUM TABLET CANNOT BE EASILY REMOVED.

COMPOSITION: ALUMINUM 92-93%; MAGNESIUM 6.5-7.5%. STRENGTH: YIELD 19,000-21,000 PSI (131-145 MPa); TENSILE 38,000-44,000 PSI (262-303 MPa); ELONGATION 10-15% [IN 2" (50 mm)]. SPECIFICATIONS: ALLOY 535.0; QQ-A-601ES. NO EXCEPTIONS.



THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

GENERAL NOTES

1. WORK ON THIS ITEM SHALL NOT START UNTIL THE FINAL SURFACE IS COMPLETED.
2. THE ALUMINUM TABLET (FORKED) SHALL REST UPON THE BOTTOM OF THE 4" (100 mm) CORE HOLE. IF THE HOLE IS TOO DEEP, EPOXY GROUT MUST BE USED TO DECREASE THE DEPTH AND ALLOWED TO HARDEN BEFORE PROCEEDING.
3. THE ALUMINUM TABLET SHALL BE ANCHORED IN THE 4" (100 mm) DIAMETER HOLE IN THE NEW PAVEMENT WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
4. THE 4" (100 mm) CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
5. THE CONTRACT PRICE, EACH, FOR SURVEY MARKER, TYPE 2 (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE ALUMINUM TABLET AND FOR ALL LABOR AND MATERIAL REQUIRED TO SET THE MARKER IN PLACE, AS SPECIFIED, INCLUDING CORING THE NEW PAVEMENT.
6. ALL SURVEY MARKERS, TYPE 2 (SPECIAL) SHALL BE PLACED ± 1/4" (6 mm) BELOW THE FINAL SURFACE.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

SPECIFICATIONS FOR ALUMINUM TABLET

SURVEY CAP FOR REBAR. 3 1/4" (83 mm) CONVEX SURVEY CAP FOR 5/8" (15 mm) REBAR WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE LETTERS RECESSED INTO THE SURFACE A MINIMUM OF 1/32" (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM CAP FOR REBAR SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD. THE ALUMINUM CAP FOR REBAR SHALL BE TAPERED FOR A PERFECT COMPRESSION FIT. A SPECIAL PLASTIC INSULATOR SHALL BE INSTALLED TO PREVENT DISSIMILAR METAL CONTACT AND CORROSION. THE PLASTIC INSULATOR SHALL FORM READILY TO THE OUTER SHAPE OF THE REBAR AND TO THE INNER SHAPE OF THE ALUMINUM CAP SOCKET. THE PLASTIC INSULATOR SHALL BE LOW DENSITY POLYETHYLENE, A MINIMUM 1 1/2" (38 mm) LONG AND CONFORM TO FEDERAL SPECIFICATION L-P 390.

COMPOSITION: ALUMINUM 98.3-98.7%; OTHER 1.3-1.7%. STRENGTH: YIELD 28 KSI (193 MPa), ULTIMATE 32 KSI (221 MPa). ELONGATION 15% [IN 2" (50 mm)]. SPECIFICATIONS: ALUMINUM ALLOY 6101-0; ASTM B317-83 (EXCEPT TEMPER) AS FORGED. NO EXCEPTIONS.

SPECIFICATIONS FOR REBAR

REBAR FOR ALUMINUM TABLET. REINFORCEMENT BAR SHALL BE 5/8" (#15) X 48" (1.2 m) (DEFORMED).

INSPECTION OF REINFORCEMENT BAR 5/8" (#15) SHALL BE DONE BY DISTRICT PERSONNEL OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SURVEY MARKERS TYPE 1 & 2 (SPECIAL)

DISTRICT 5 DETAIL NO. XZ193AAA

USER NAME = jason.dove	DESIGNED - RAB	REVISED - 11/06
DRAWN - MCE	REVISED - 11/10	
PLOT SCALE = 0.16666667 / in.	CHECKED - JWD	REVISED -
PLOT DATE = 3/21/2024	DATE - 03/21/2024	REVISED -

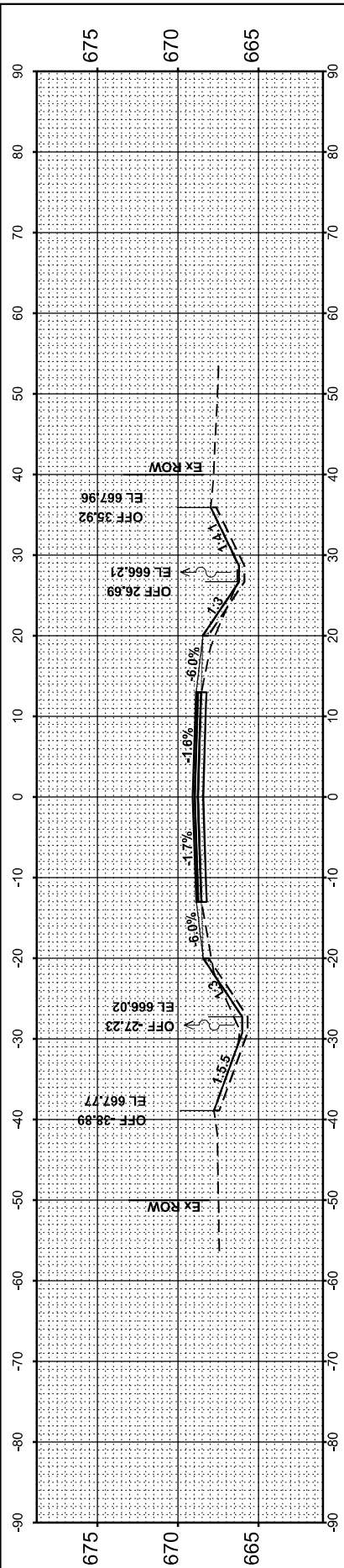
SCALE: SHEET 17 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	147
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				

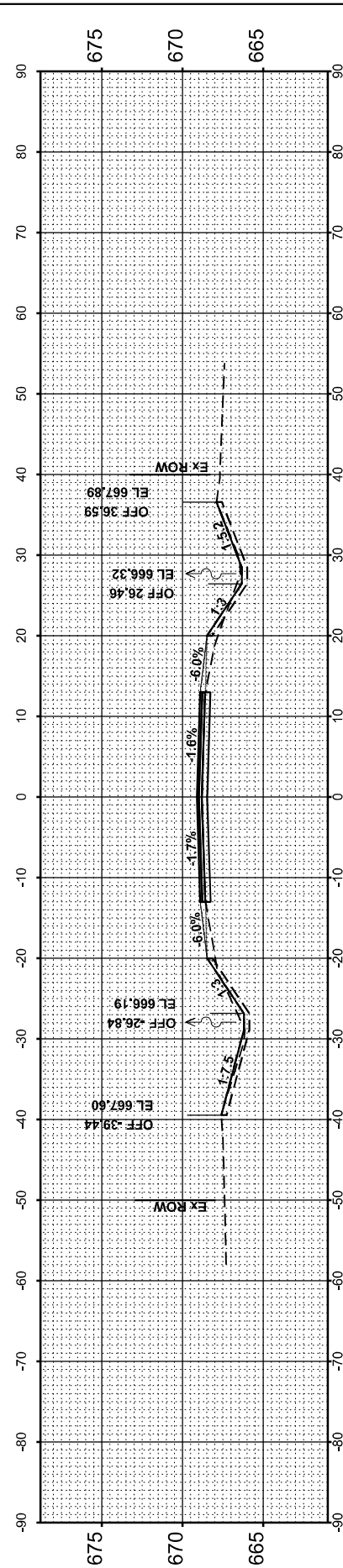
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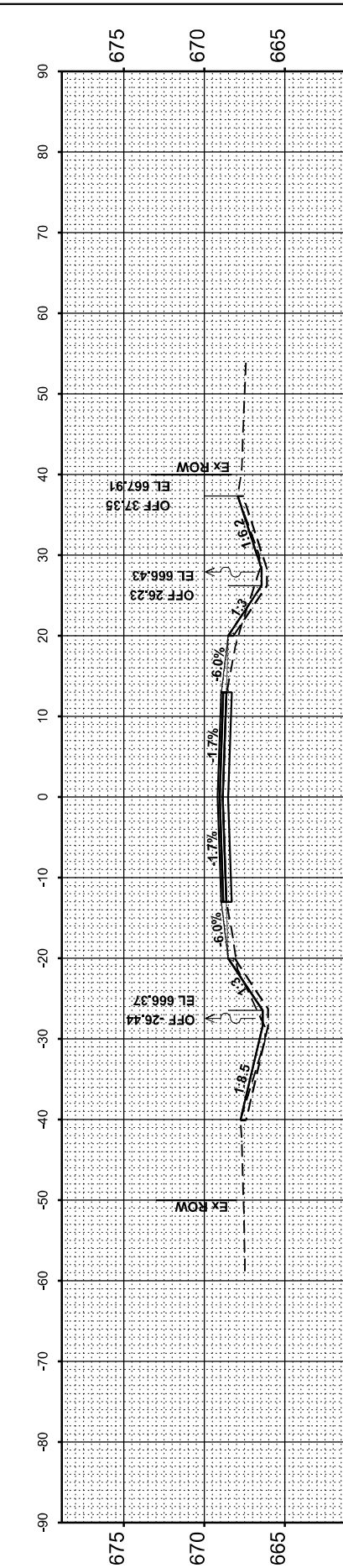
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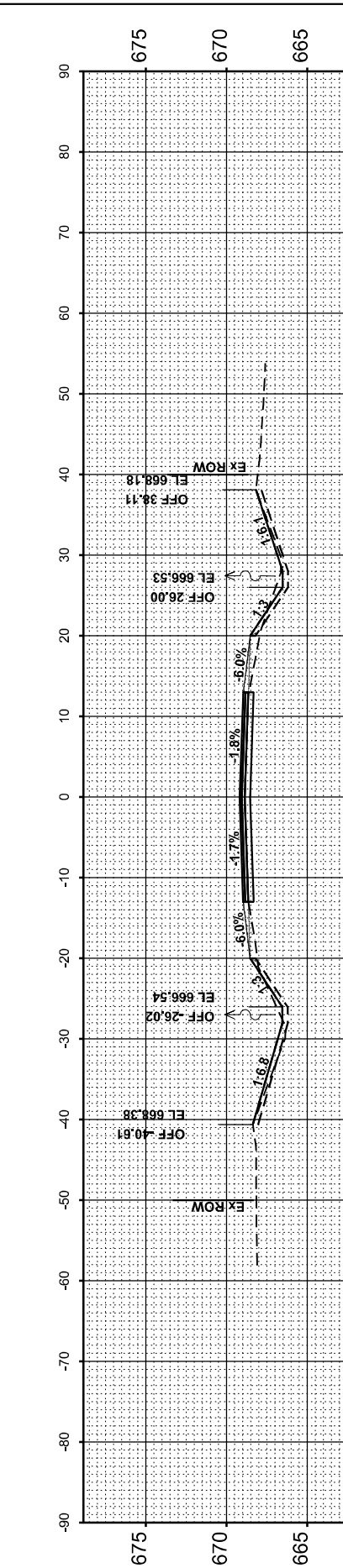
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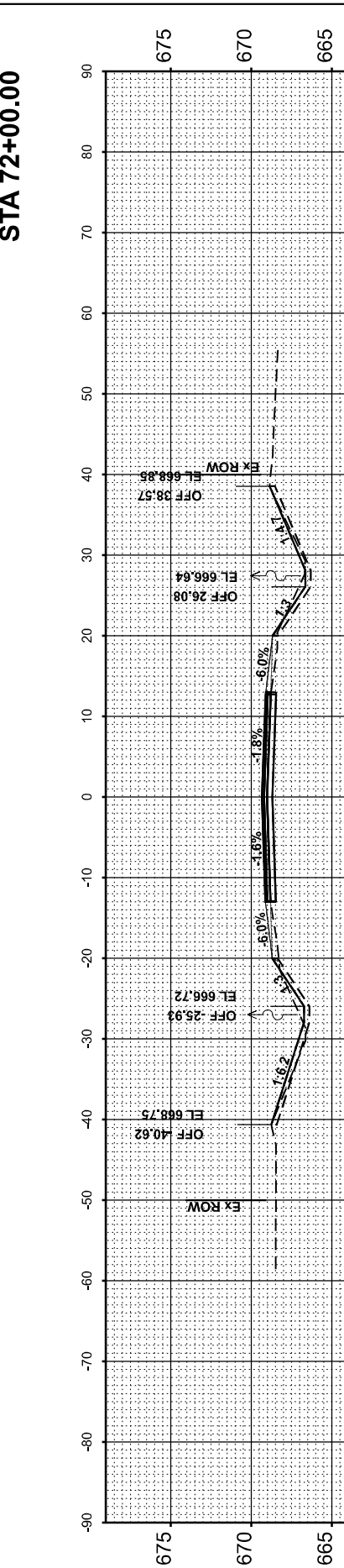
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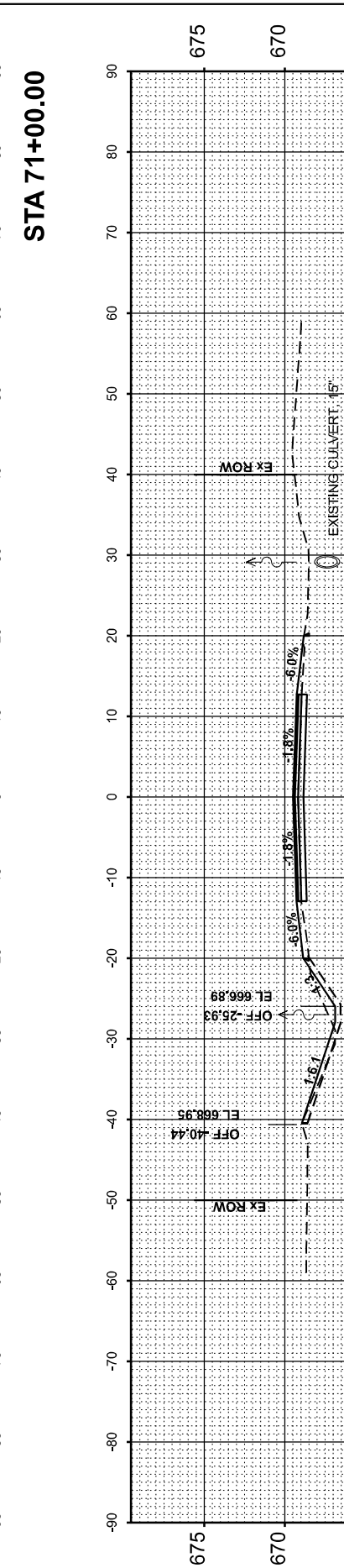
STA 73+00.00



STA 72+00.00



STA 71+00.00



STA 70+00.00

USER NAME = Mohammed	DESIGNED - MHS	REVISED -
PLOT SCALE = 0.16666633 / in.	DRAWN - MHS	REVISED -
PLOT DATE = 3/21/2024	CHECKED - JAS	REVISED -
	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

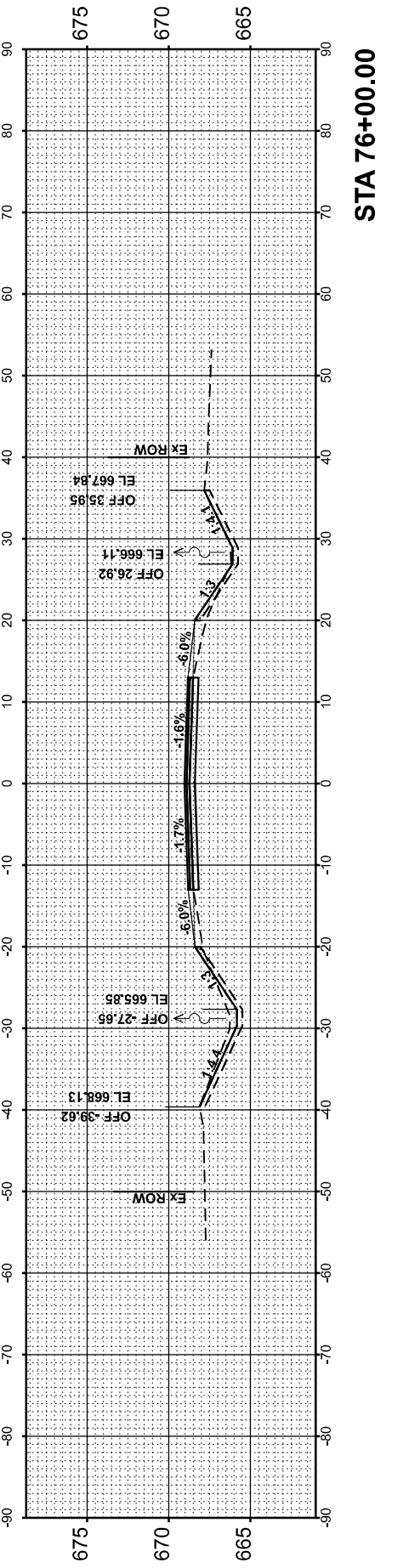
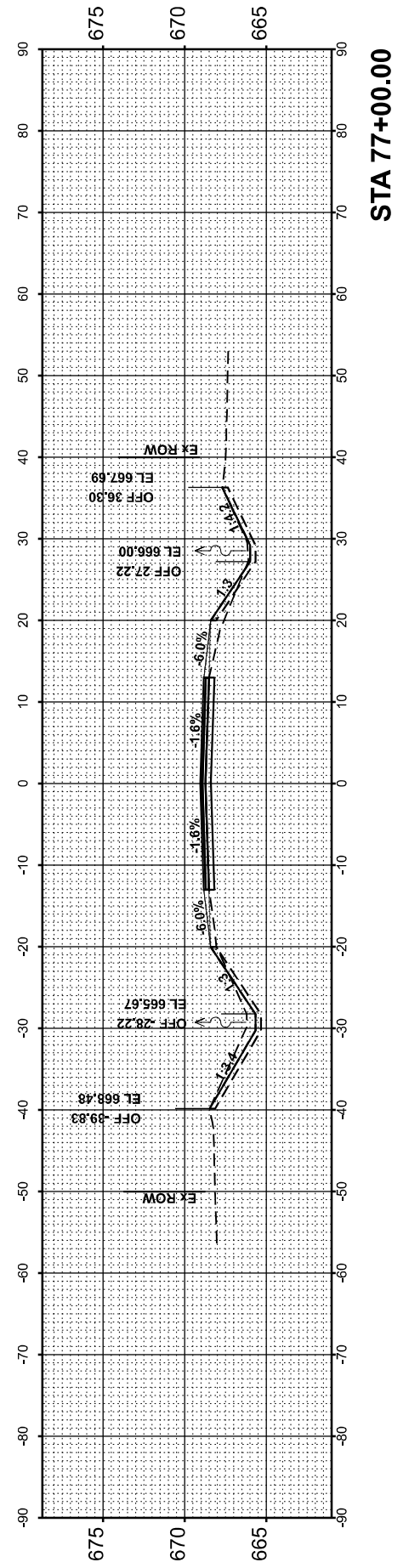
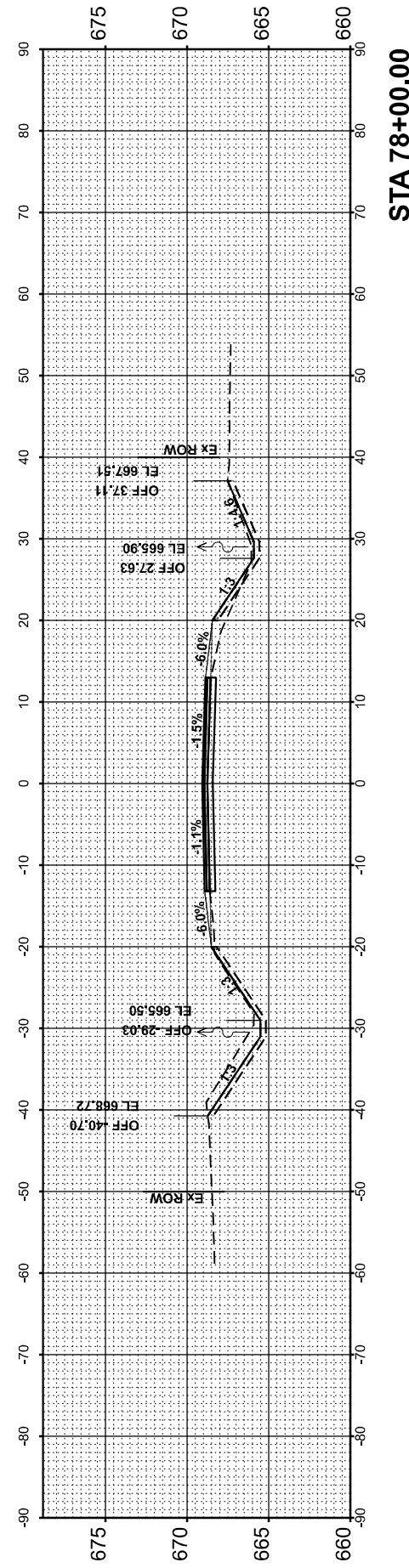
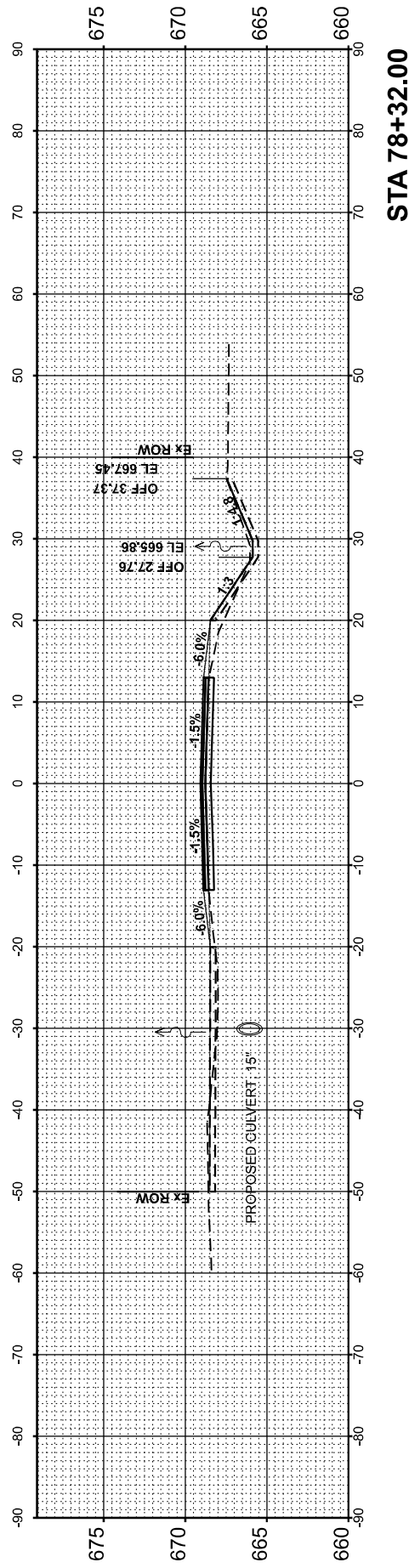
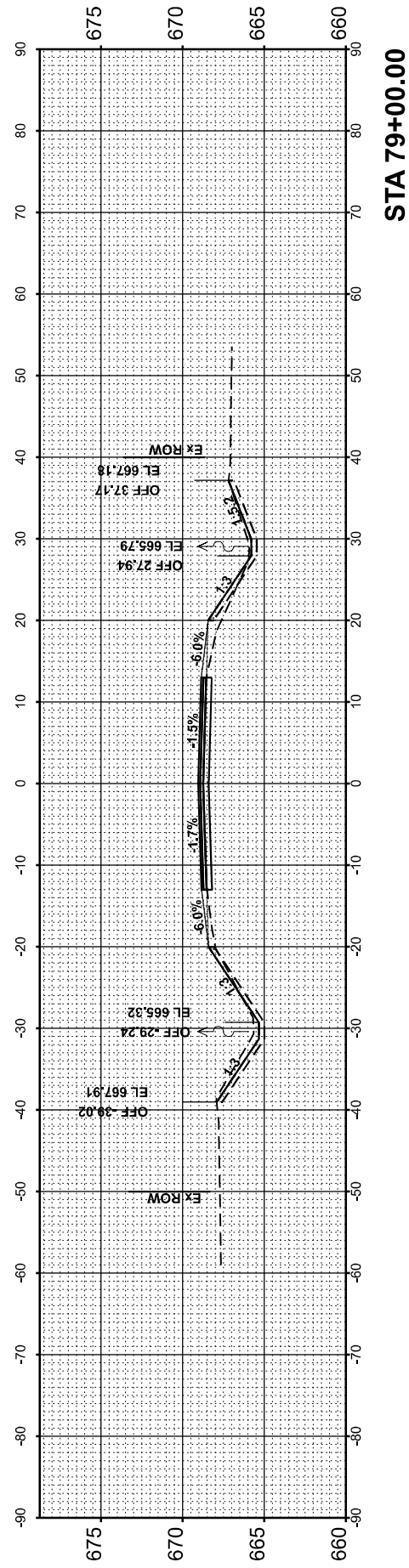
ILL 133 CROSS SECTIONS			
SCALE: 1"=10'	SHEET 1	OF 10 SHEETS	STA. 70+00 TO STA. 75+00

F.A.P. RTE. 749	SECTION (14)R5-3(122)R5-4,(14CR)	COUNTY EDGAR	TOTAL SHEETS 157	SHEET NO. 148
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				

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

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

MODEL: P:\11 - 76+00.00\3 FILE NAME: F:\proj\1133\1133_Plane (Rural)Phase II CADD Files from F:\2022\1125 CADD Files OutCAD_Sheets\77C\4-14\KS-70 to 101.dgn



USER NAME = Mohammed	DESIGNED - MHS	REVISED -
PLOT SCALE = 0.16666633 / in.	DRAWN - MHS	REVISED -
PLOT DATE = 3/21/2024	CHECKED - JAS	REVISED -
	DATE - 03/21/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=10'	SHEET 2 OF 10 SHEETS	STA. 76+00 TO STA. 79+00
---------------	----------------------	--------------------------

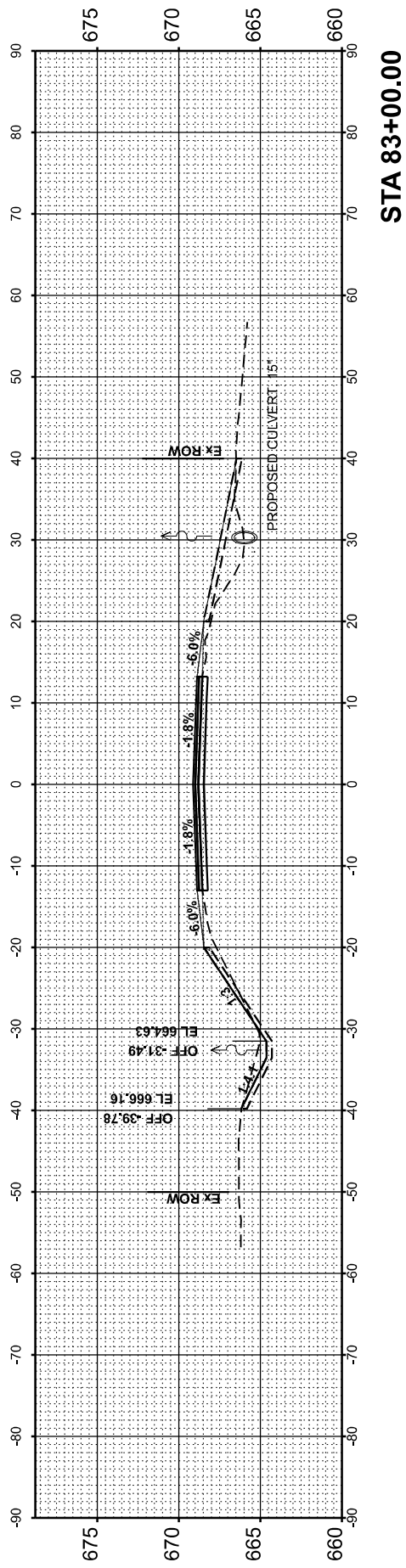
**ILL 133
CROSS SECTIONS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)R5-3(122)R5-4,(14)CR	EDGAR	157	149
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				

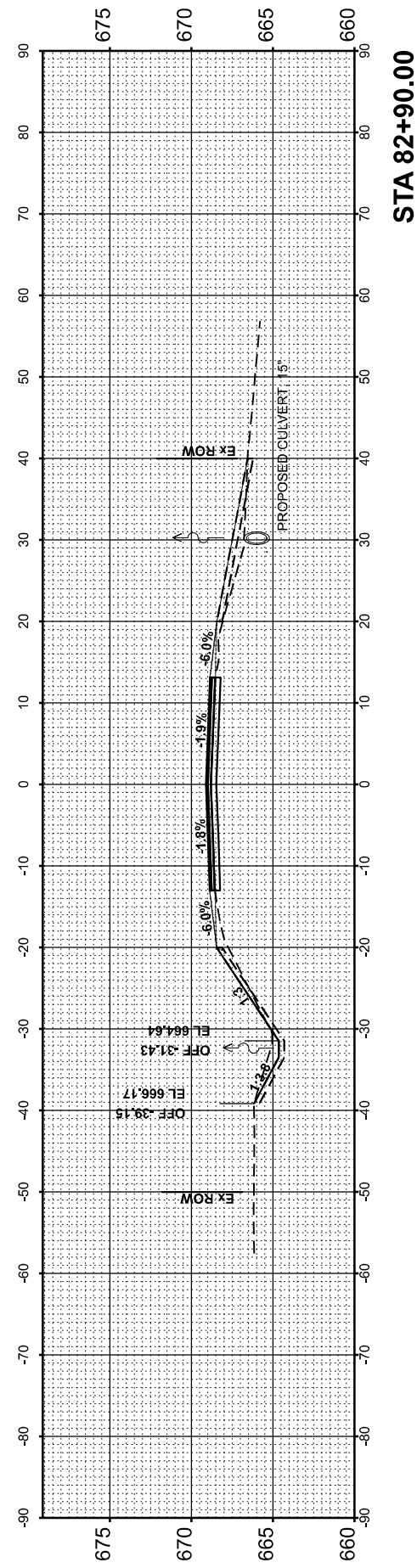
FINAL SURVEY NO.	SUPERVIEWED	DATE
NOTE BOOK	PLOTTED	BY
AREAS CHECKED	TEMPLATE	
	AREAS CHECKED	

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

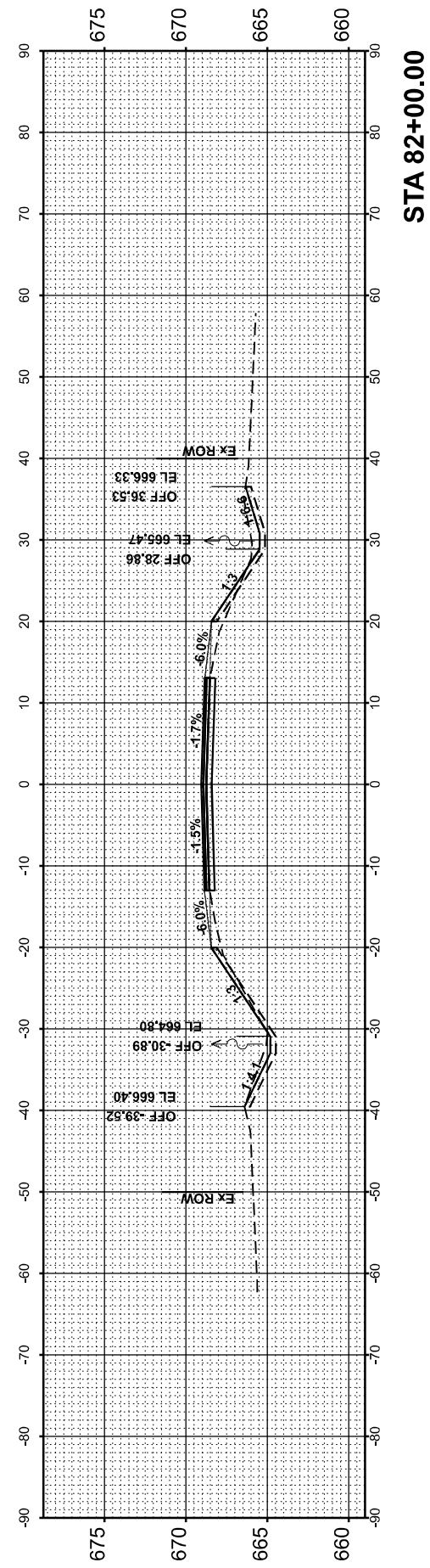
MODEL: P:\11 - 80+00.00.dwg
 FILE NAME: P:\projects\11\DOT\54.17.20_8TB_197-430_05.L133 Print (Rural)Work\Phase II CADD files from FS\2024-1125 CADD Files OutCAD_Sheets\770C-1-14-24-S-70 to 101.dwg



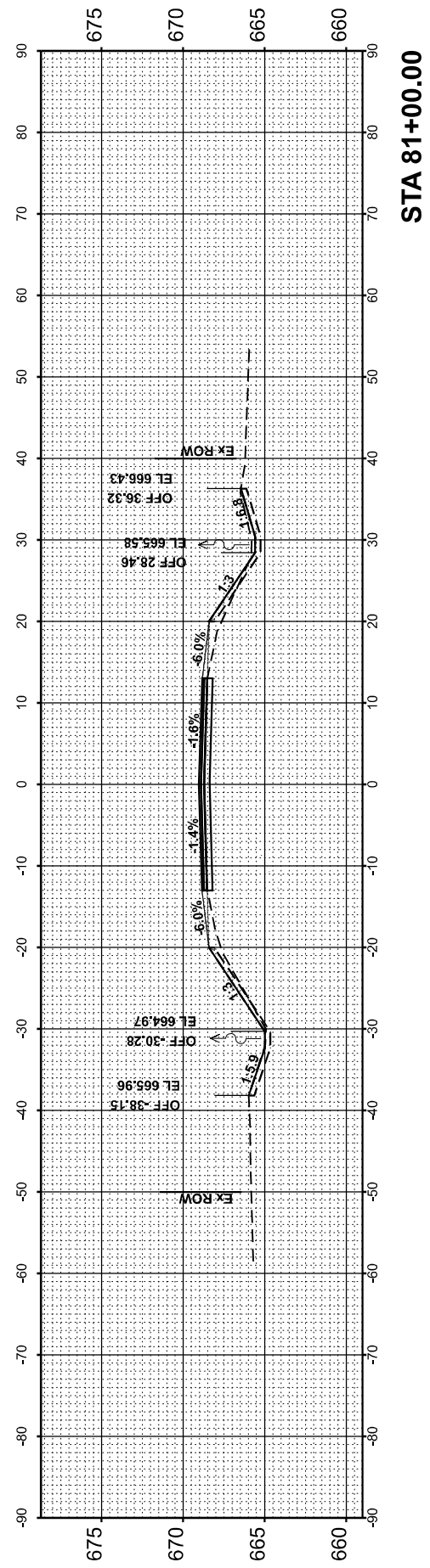
STA 83+00.00



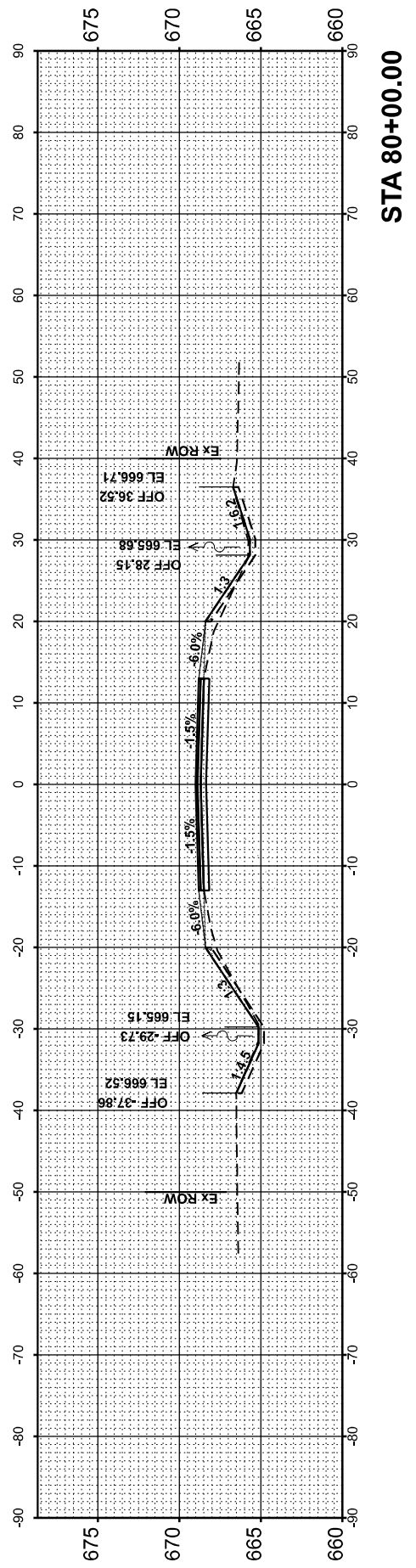
STA 82+90.00



STA 82+00.00



STA 81+00.00



STA 80+00.00

USER NAME = Mohammed	DESIGNED - MHS	REVISED -
	DRAWN - MHS	REVISED -
PLOT SCALE = 0.16666633' / in.	CHECKED - JAS	REVISED -
PLOT DATE = 3/21/2024	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1"=10' SHEET 3 OF 10 SHEETS STA. 80+00 TO STA. 83+00

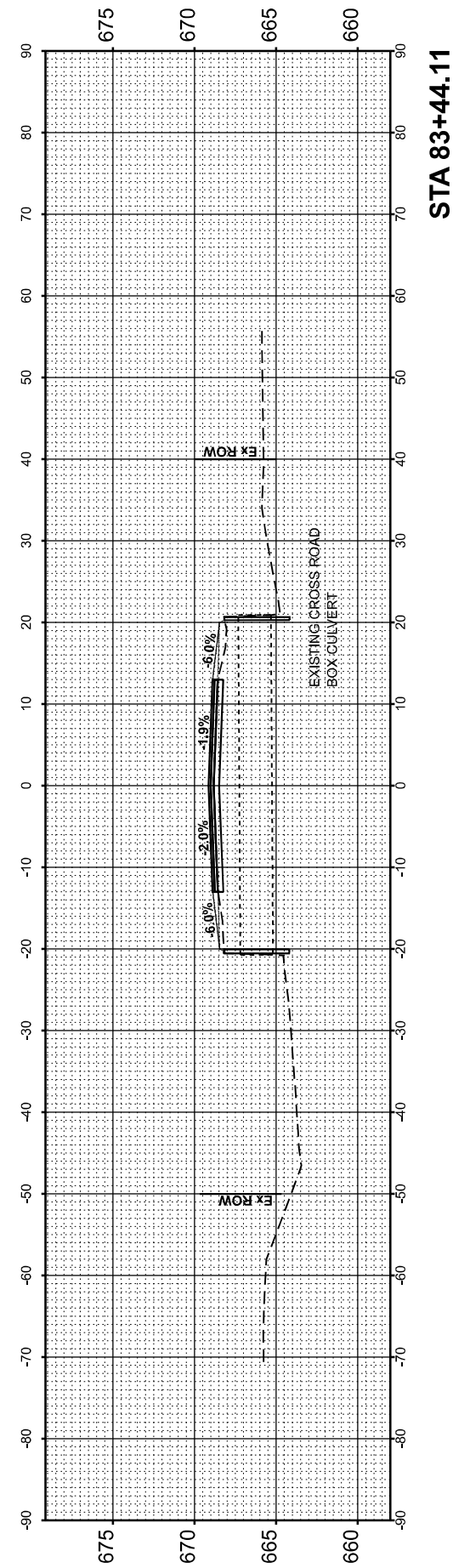
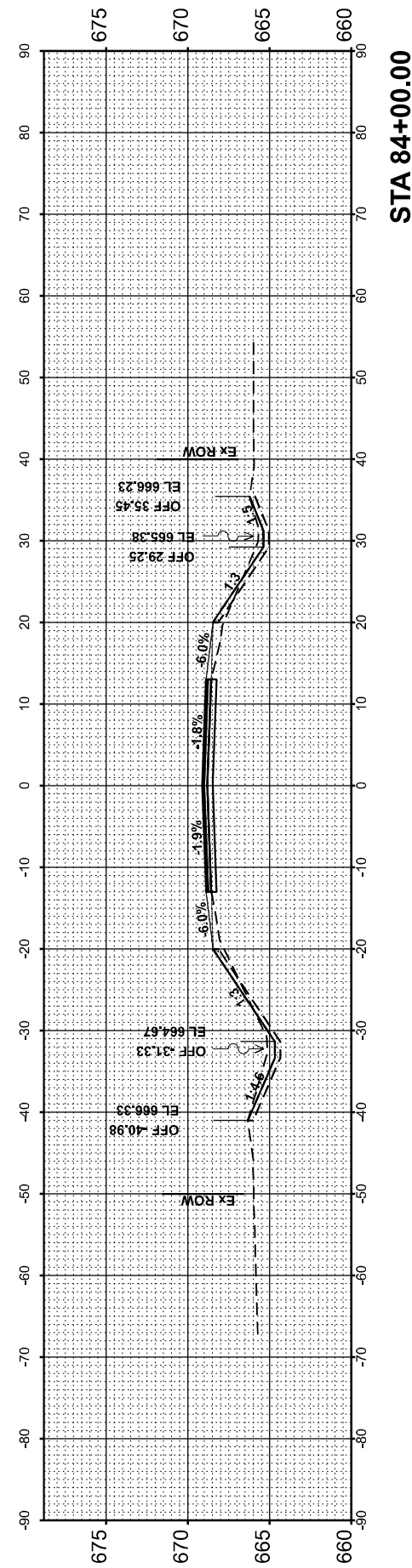
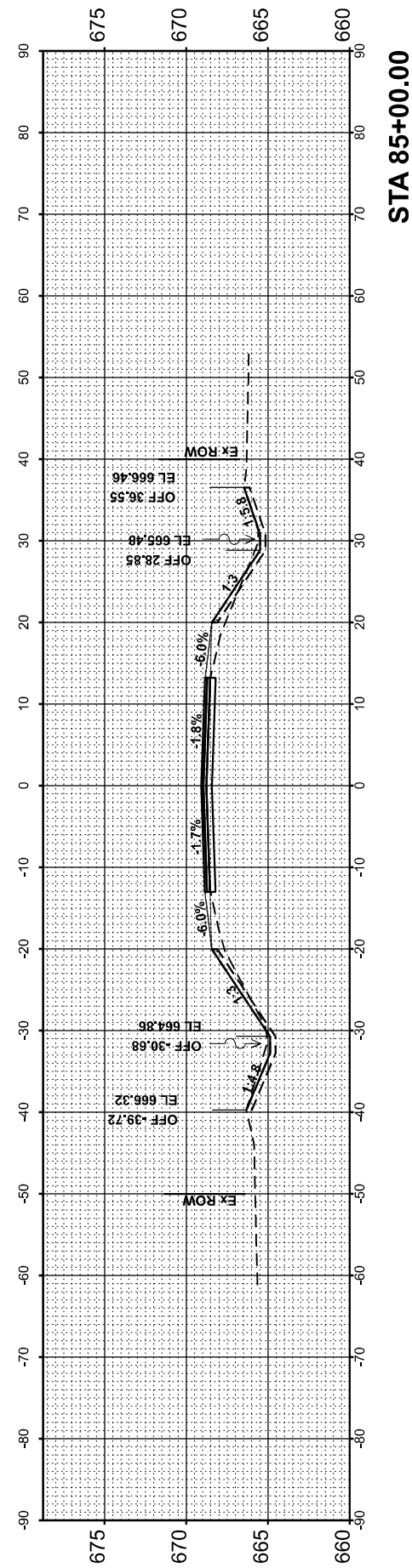
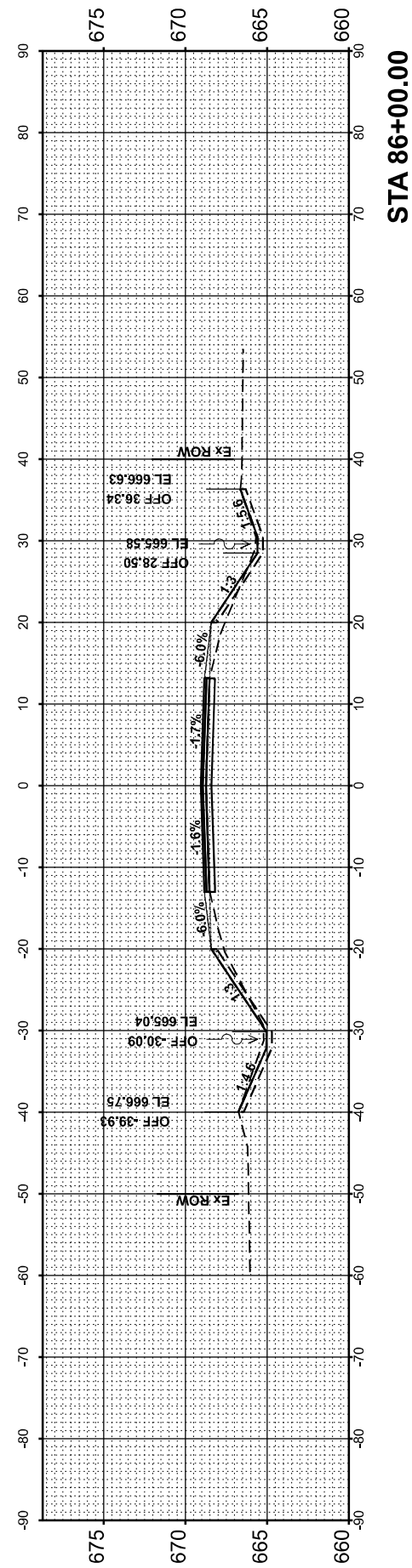
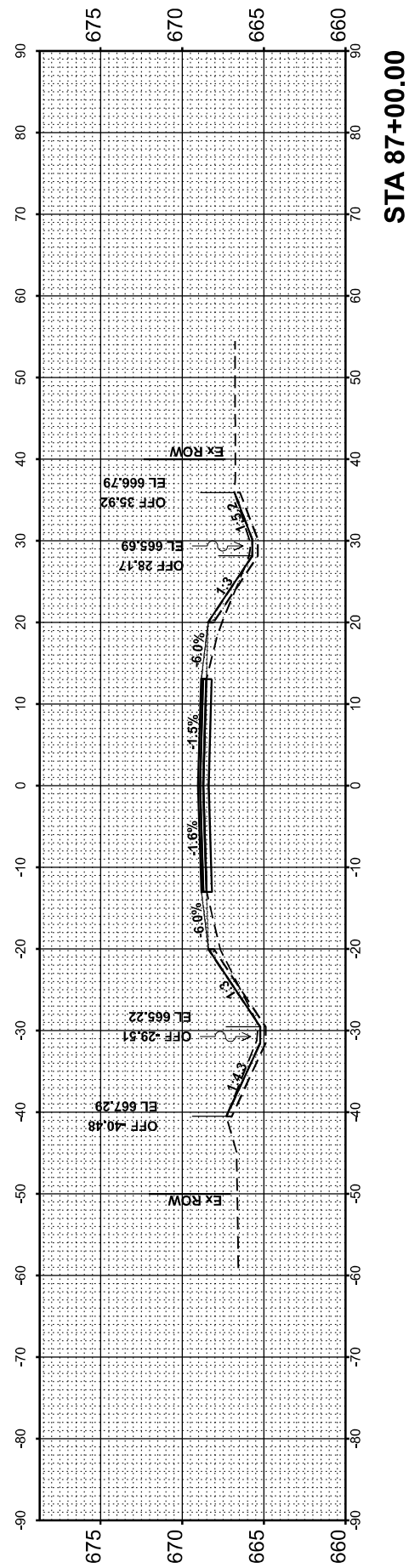
ILL 133
 CROSS SECTIONS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14CR)	EDGAR	157	150
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				

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

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

MODEL: P:\11 - 83+44.11-3
 FILE NAME: P:\11\83+44.11-3\1133_Plot.dwg
 USER: mohammed



USER NAME = Mohammed	DESIGNED - MHS	REVISED -
	DRAWN - MHS	REVISED -
PLOT SCALE = 0.16666633 / in.	CHECKED - JAS	REVISED -
PLOT DATE = 3/21/2024	DATE - 03/21/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

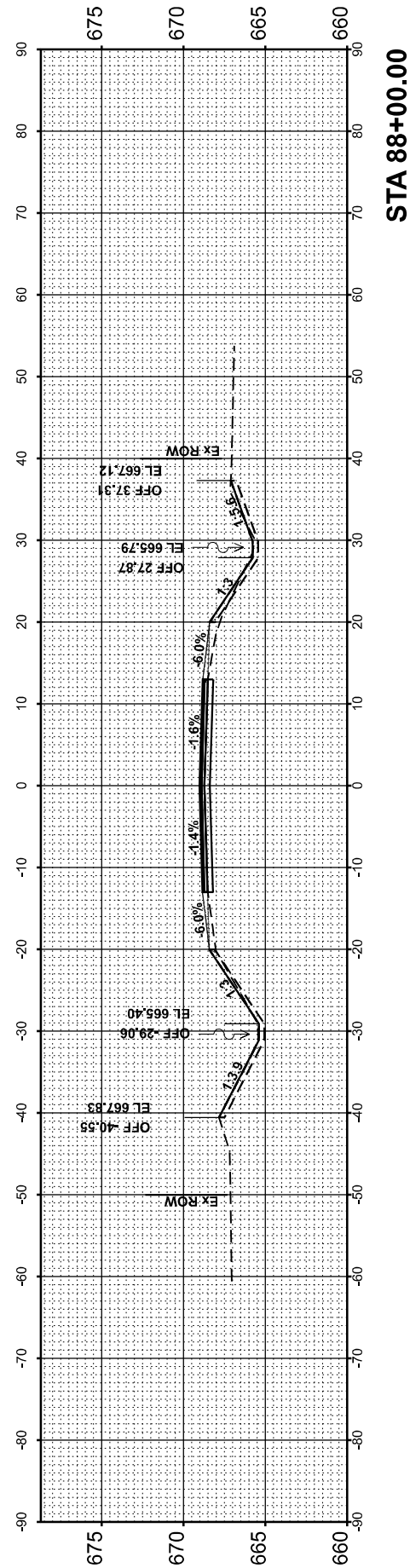
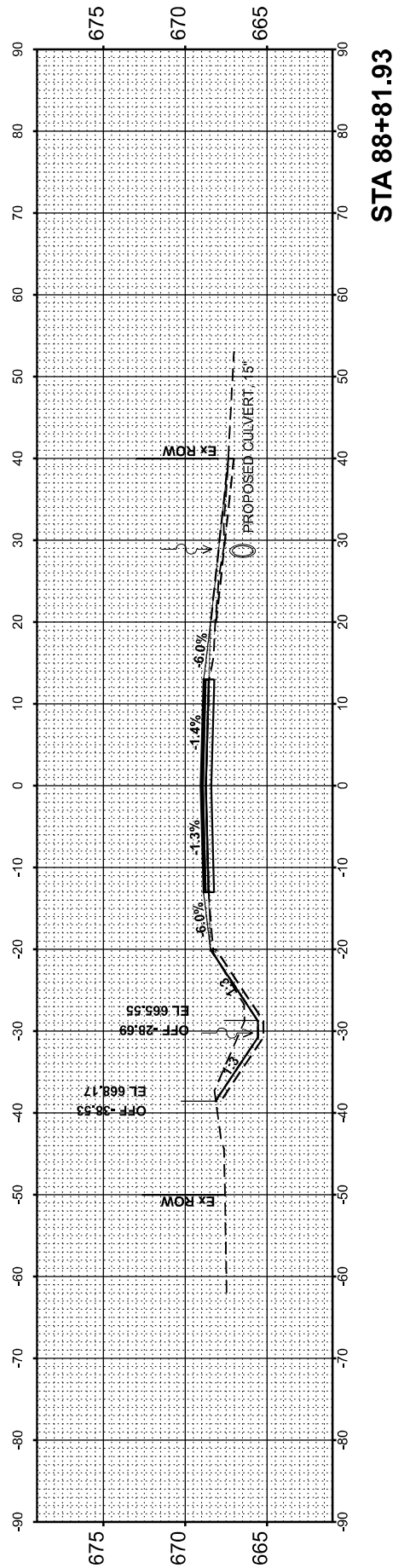
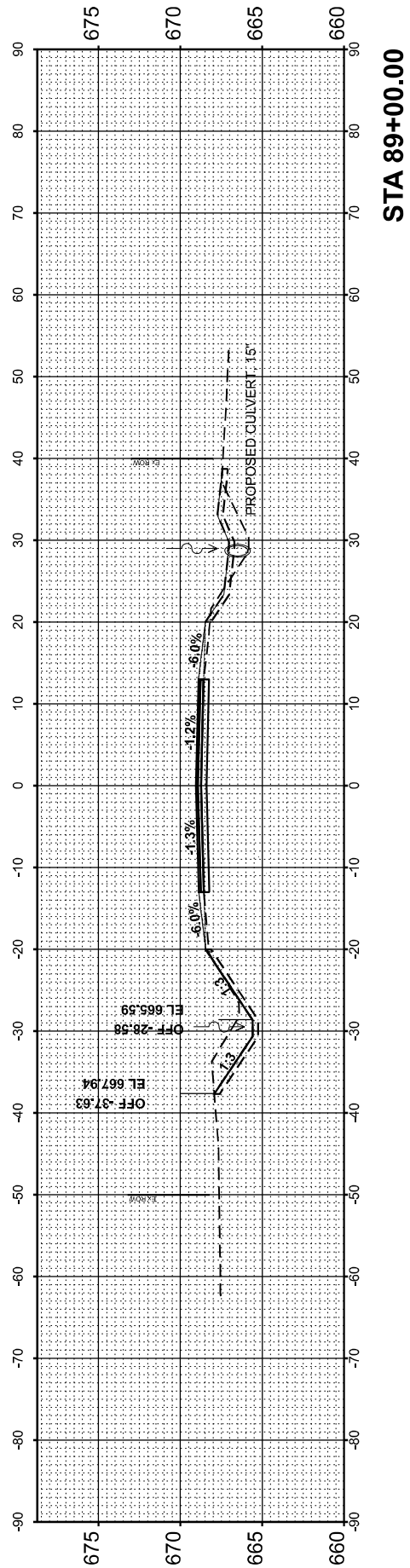
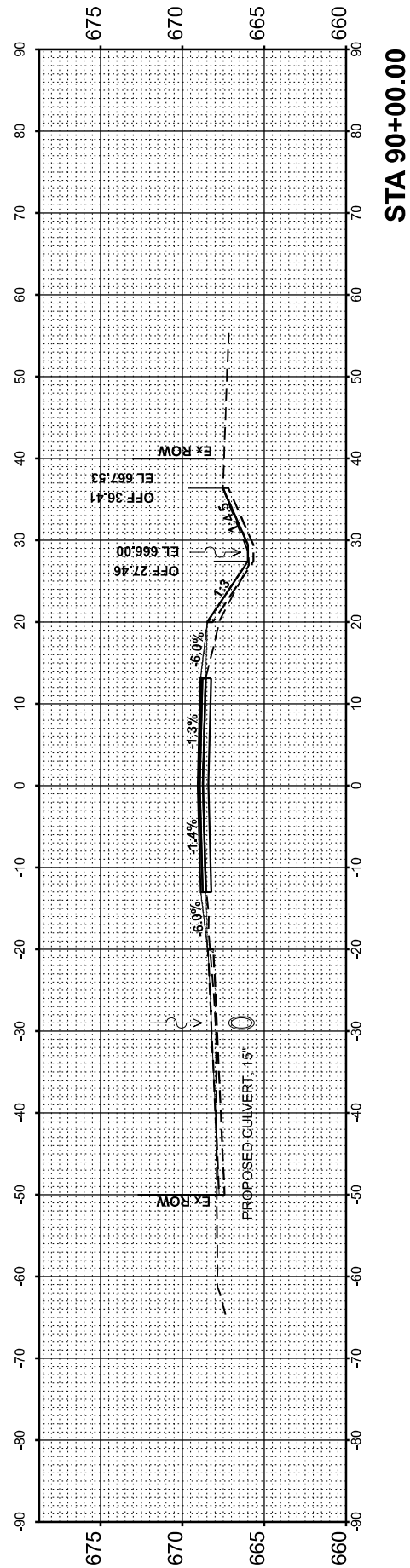
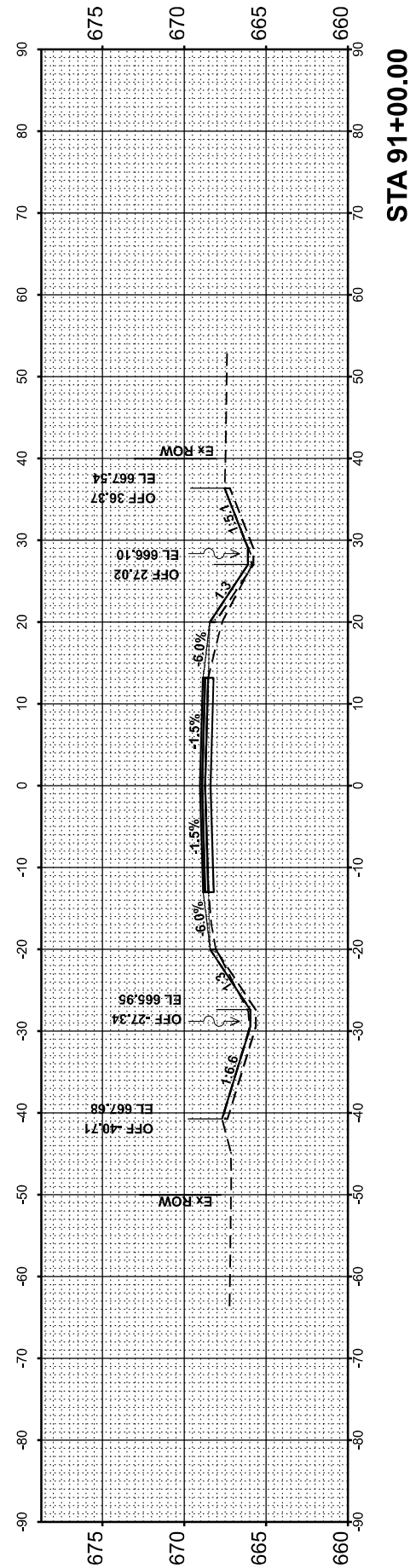
ILL 133 CROSS SECTIONS			
SCALE: 1"=10'	SHEET 4	OF 10 SHEETS	STA. 83+44 TO STA. 87+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14CR)	EDGAR	157	151
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				

FINAL SURVEY NO.	SUPERVED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SUPERVED PLOTTED AREAS CHECKED	BY	DATE

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USER NAME = Mohammed	DESIGNED - MHS	REVISED -
PLOT SCALE = 0.16666633 / in.	DRAWN - MHS	REVISED -
PLOT DATE = 3/21/2024	CHECKED - JAS	REVISED -
	DATE - 03/21/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=10' SHEET 5 OF 10 SHEETS STA. 88+00 TO STA. 91+00

**ILL 133
CROSS SECTIONS**

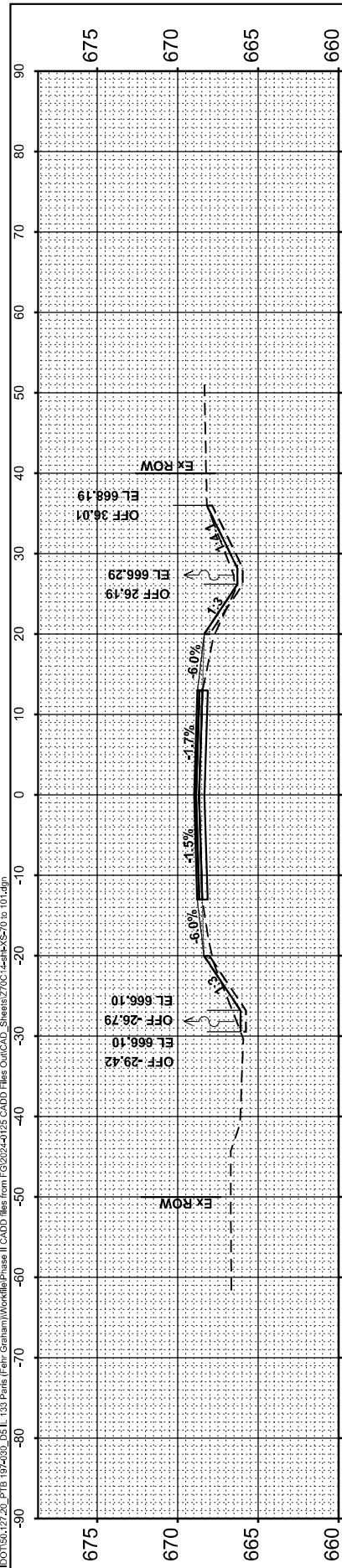
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)R5-3(122)R5-4,(14CR)	EDGAR	157	152
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				

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

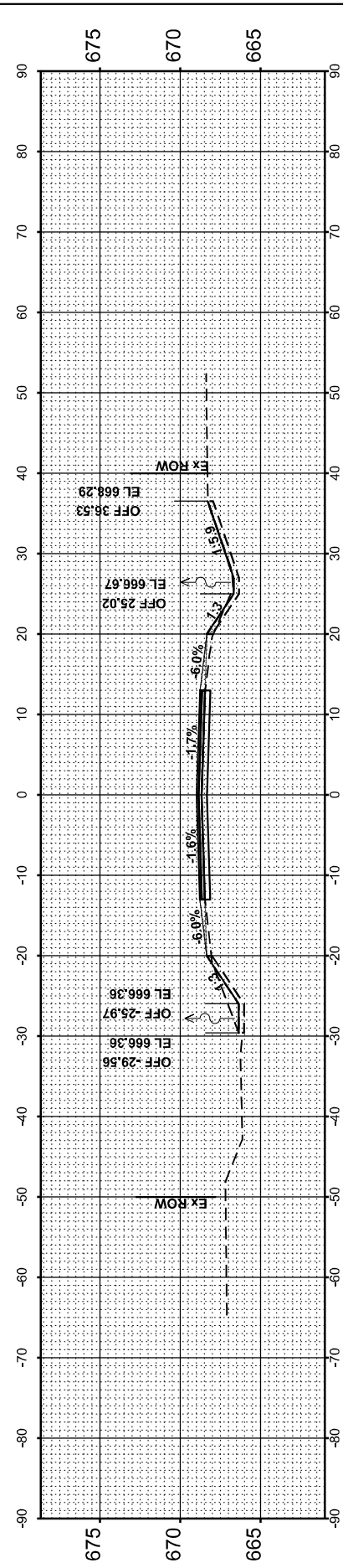
ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS		

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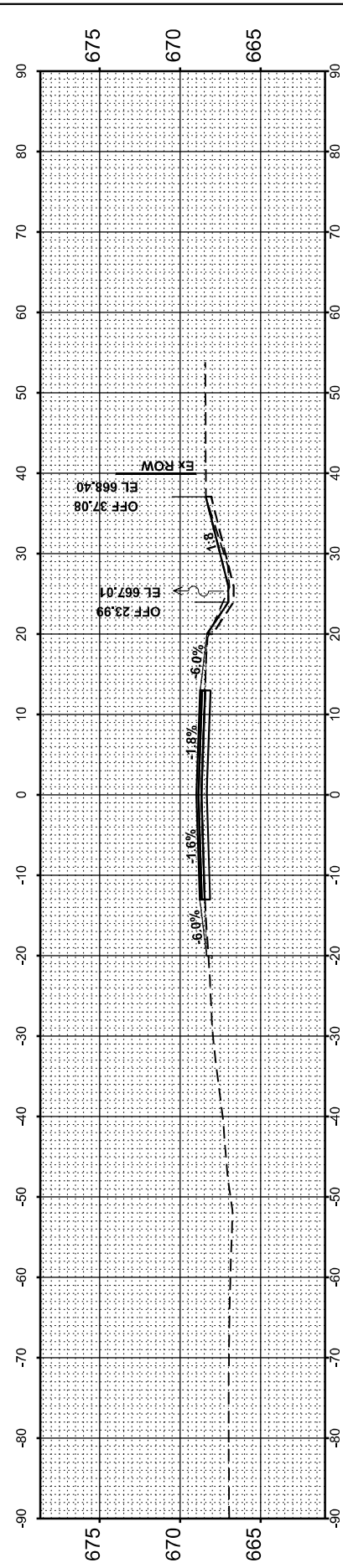
FILE NAME: P:\projects\11\DOT\5617220_PTB_197-030_0511_133 Print (Patt Graham)\Work\Phase II CADD Files from F3032241125 CADD Files OutCAD Sheets\770C-IWL-RS-70 to 101.dgn



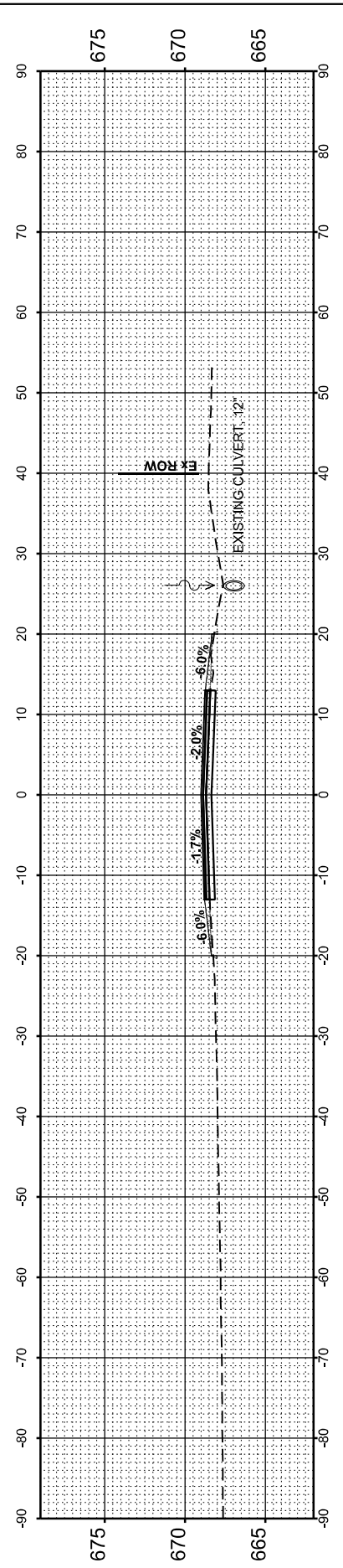
STA 96+00.00



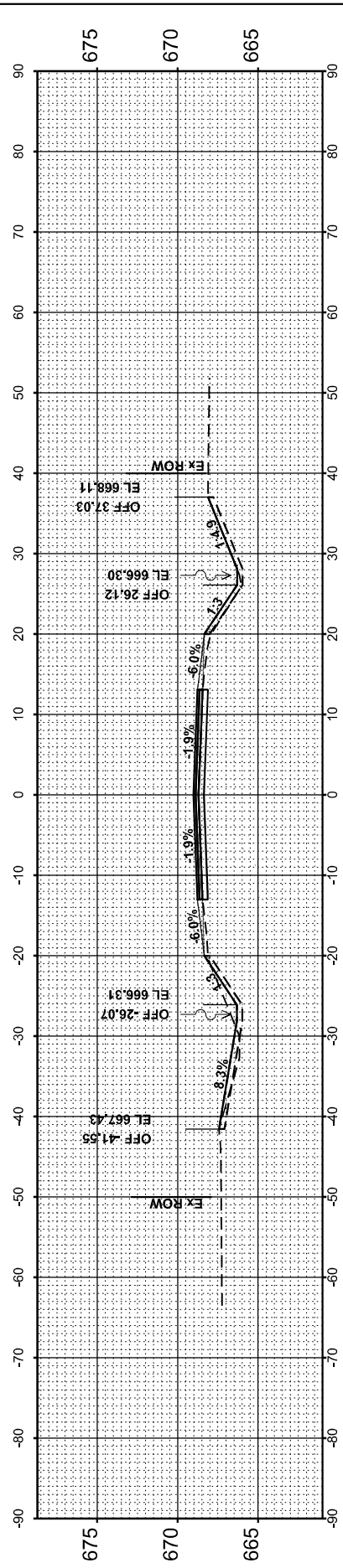
STA 95+00.00



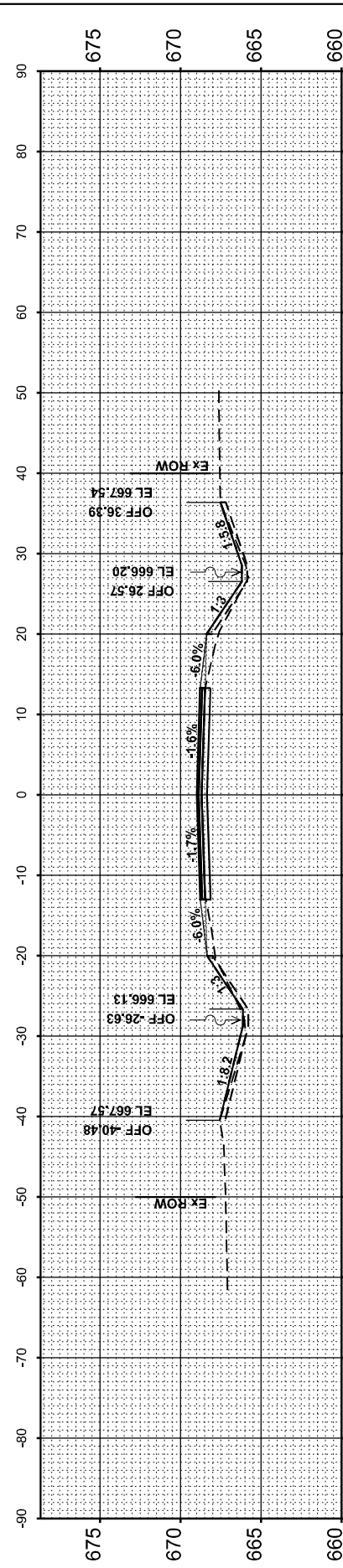
STA 94+00.00



STA 93+74.11



STA 93+00.00



STA 92+00.00

USER NAME = Mohammed	DESIGNED - MHS	REVISED -
	DRAWN - MHS	REVISED -
PLOT SCALE = 0.16666633 / in.	CHECKED - JAS	REVISED -
PLOT DATE = 3/21/2024	DATE - 03/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1"=10' SHEET 6 OF 10 SHEETS STA. 92+00 TO STA. 96+00

ILL 133
CROSS SECTIONS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14CR)	EDGAR	157	153
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

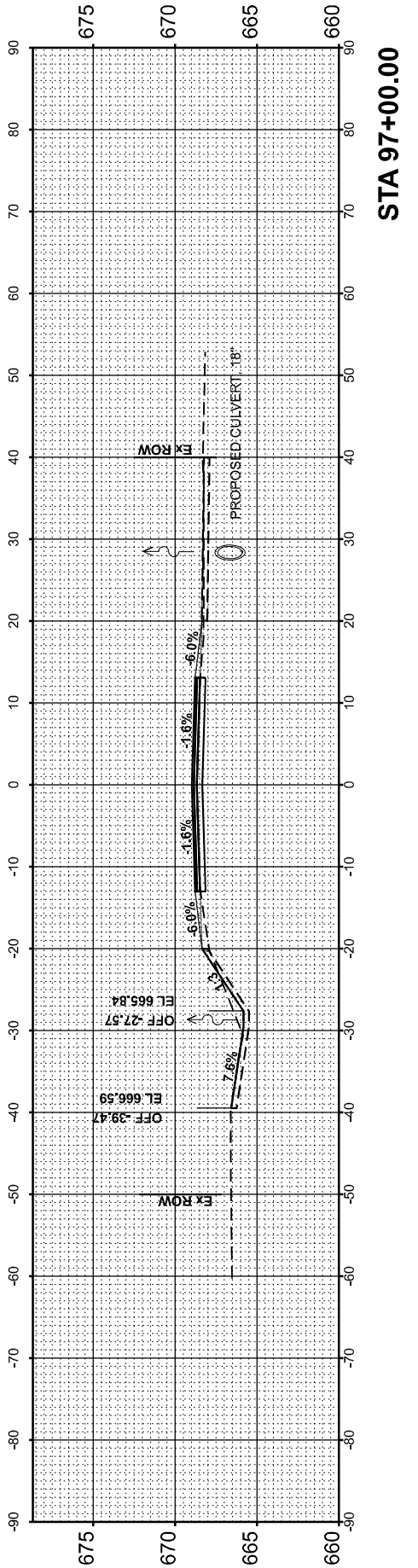
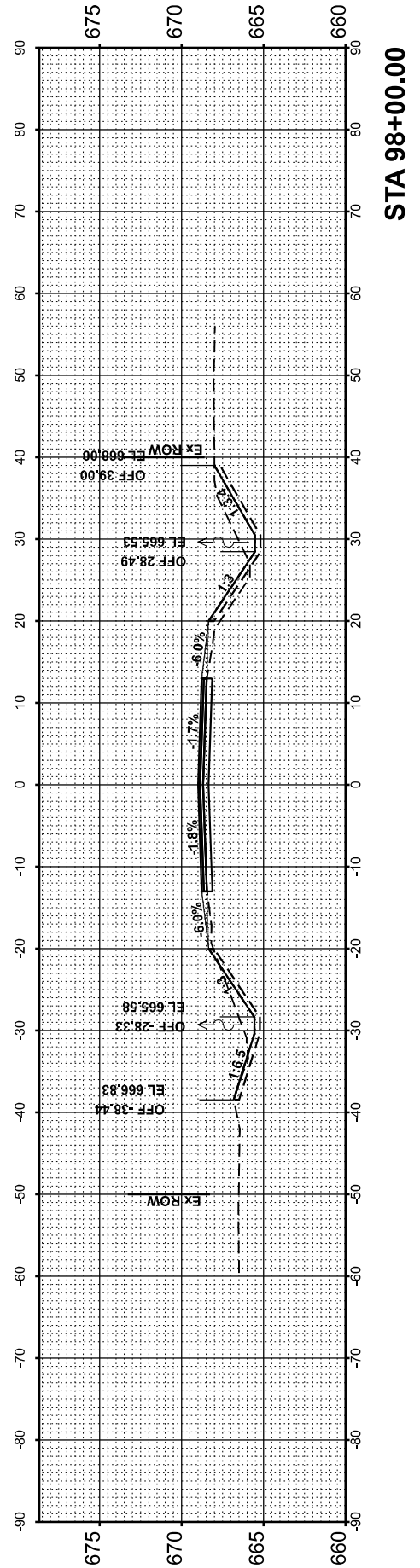
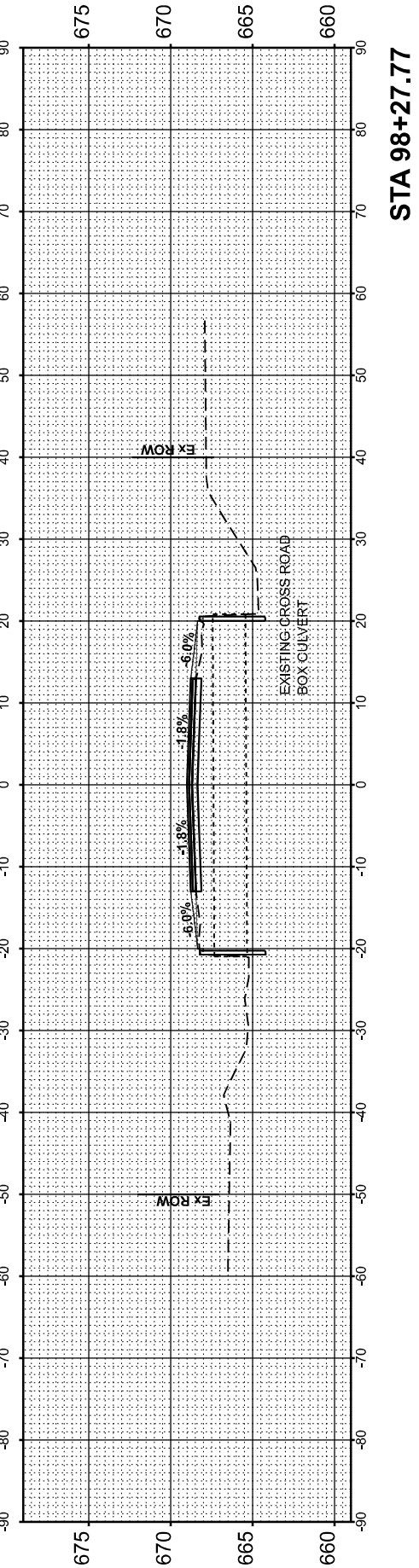
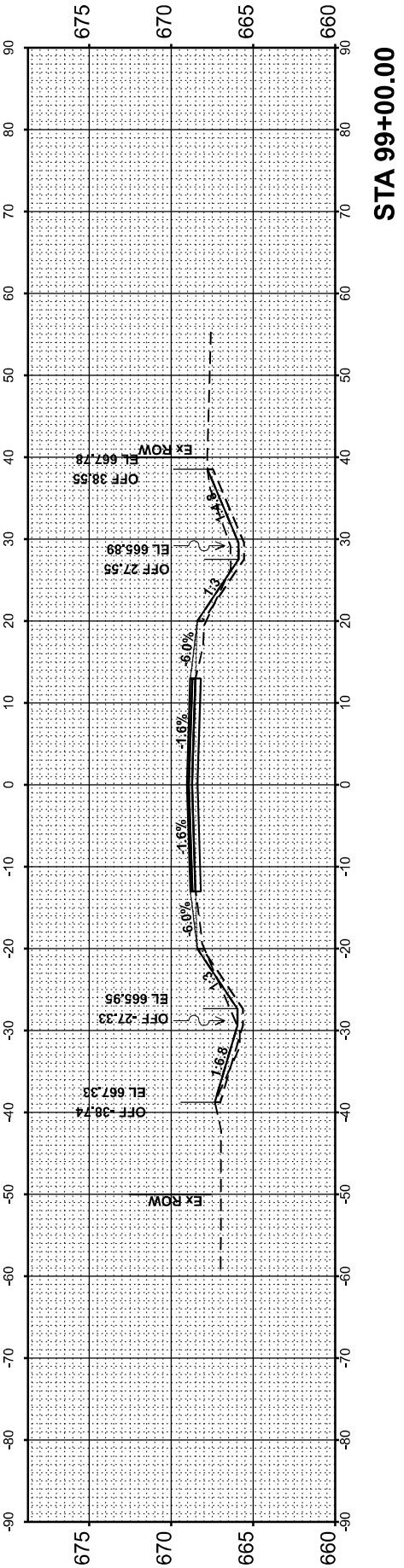
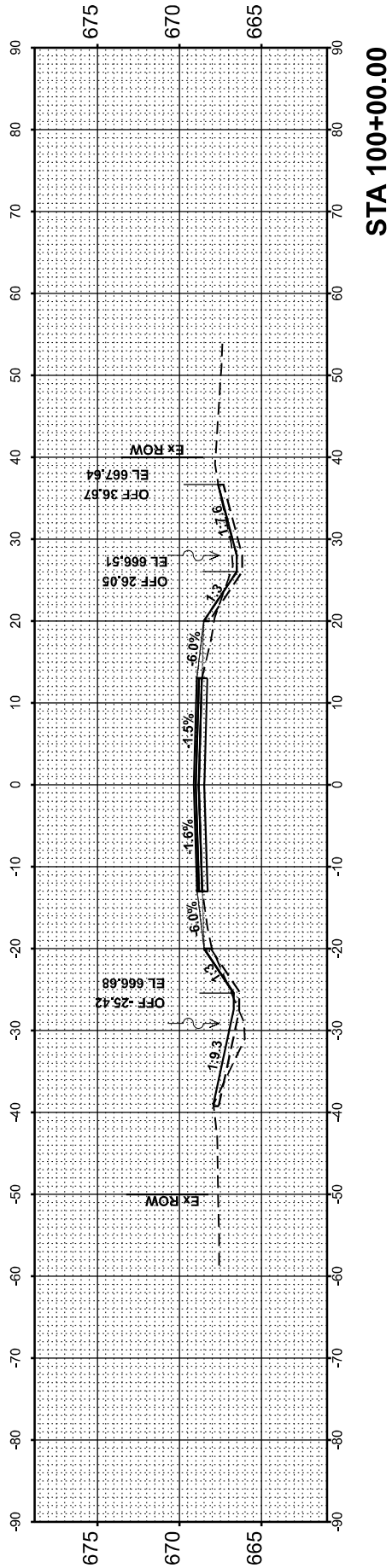
MODEL: PHIL - 67+00.00.dwg
 FILE NAME: P:\projects\133\133_Plan\133_Plan.dwg
 SHEET: 7 OF 10
 DATE: 03/21/2024

USER NAME =	Mohammed	DESIGNED -	MHS	REVISED -	
DRAWN -	MHS	REVISOR -		REVISION -	
PLOT SCALE =	0.16666633 / in.	CHECKED -	JAS	REVISION -	
PLOT DATE =	3/21/2024	DATE -	03/21/2024	REVISION -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ILL 133
 CROSS SECTIONS
 SCALE: 1"=10'
 SHEET 7 OF 10 SHEETS
 STA. 97+00 TO STA. 100+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14CR)	EDGAR	157	154
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STR-RURAL-IWL5(692)				



FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

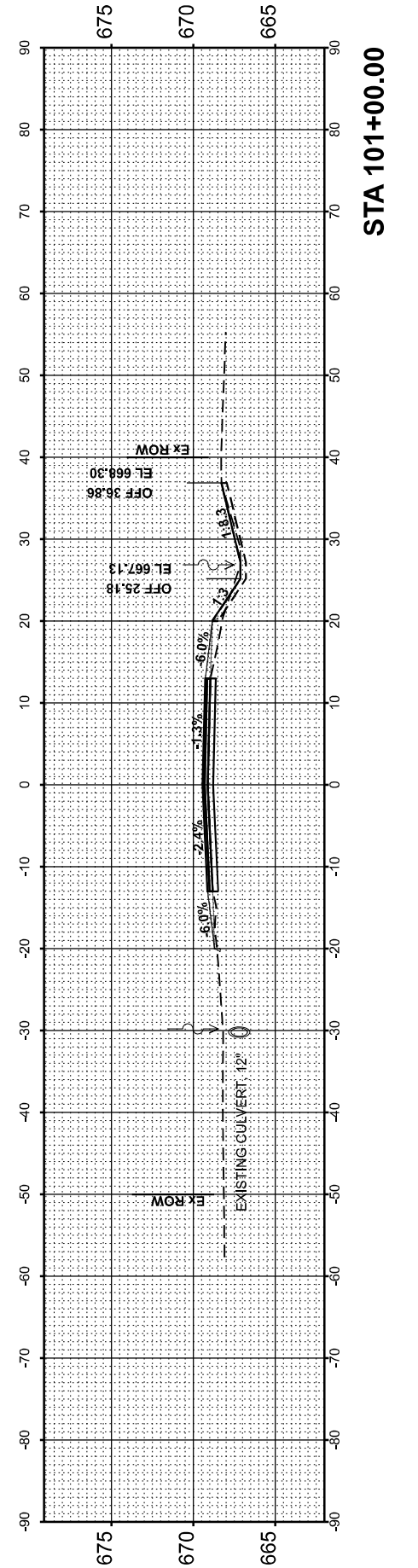
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 USER: mohammed

USER NAME = Mohammed	DESIGNED - MHS	REVISED -
	DRAWN - MHS	REVISED -
PLOT SCALE = 0.16666633' / in.	CHECKED - JAS	REVISED -
PLOT DATE = 3/21/2024	DATE - 03/21/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ILL 133 CROSS SECTIONS			
SCALE: 1"=10'	SHEET 8	OF 10 SHEETS	STA. 101+00 TO STA. 101+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4,(14)CR	EDGAR	157	155
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT STP-RURAL-IWL5(692)				

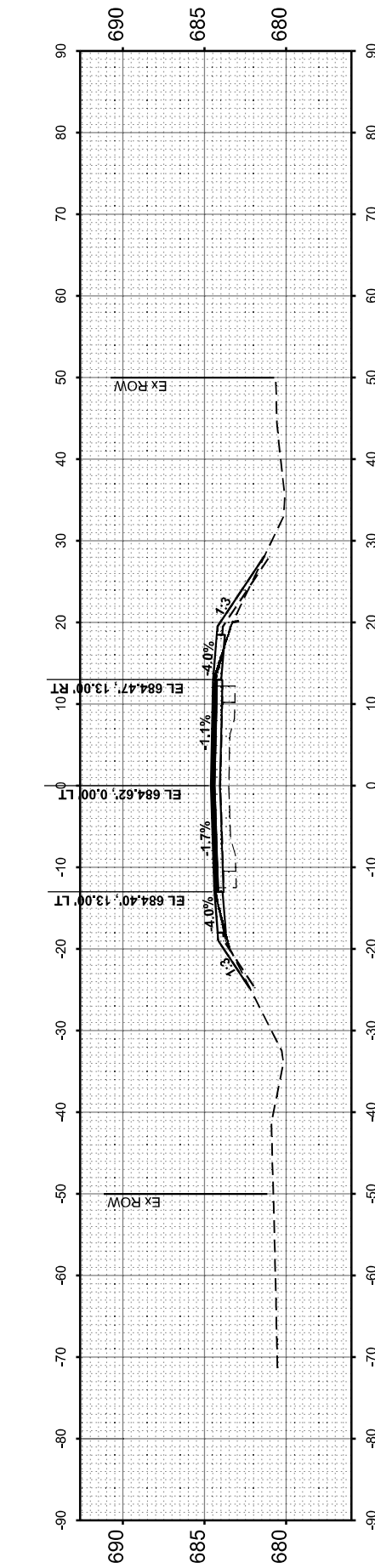
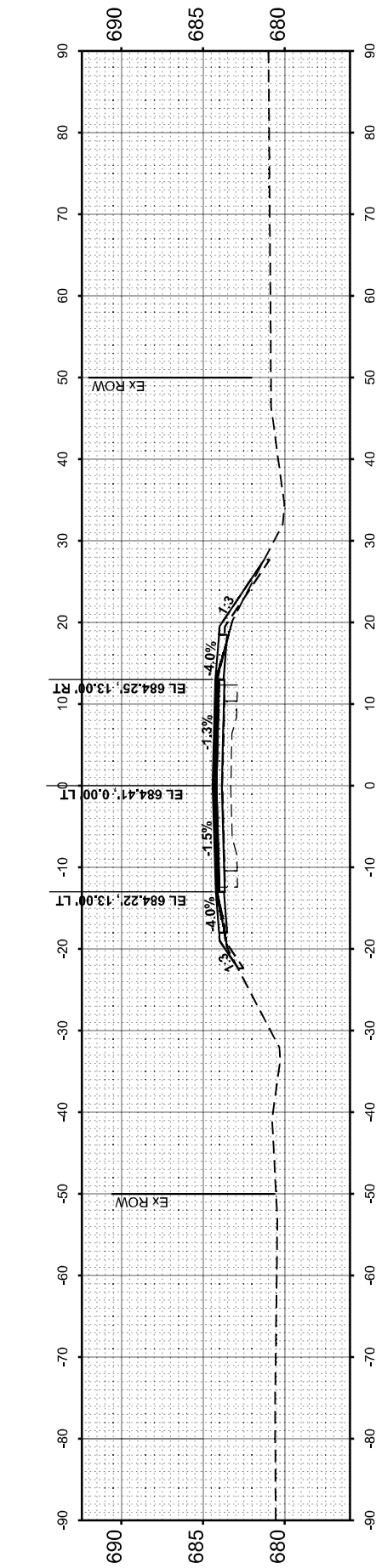
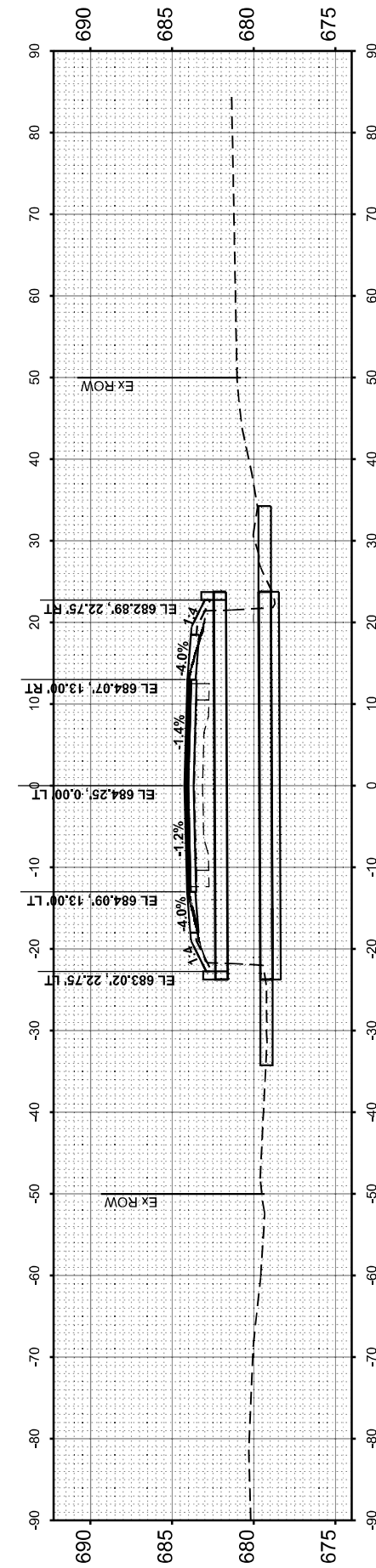
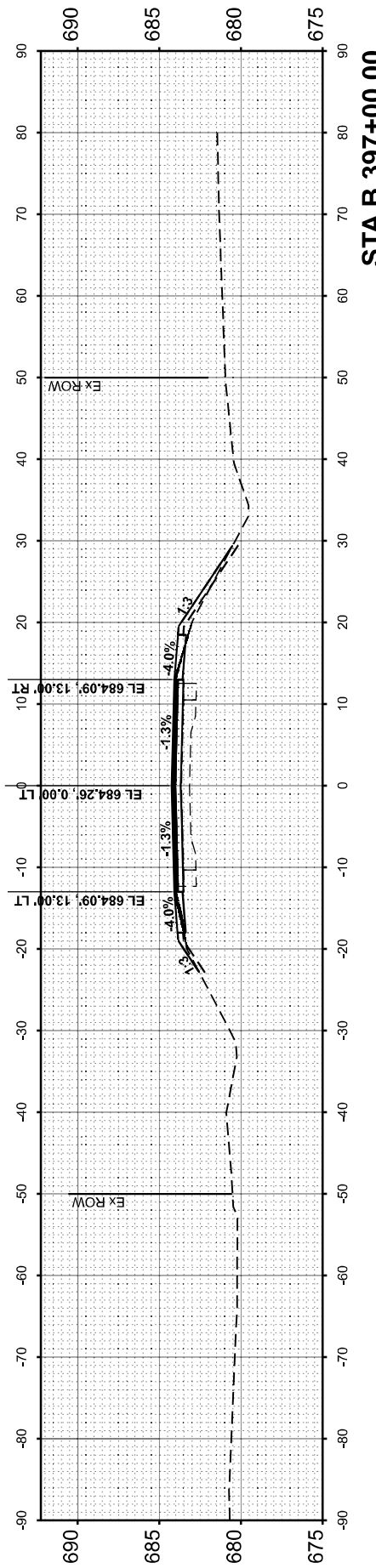
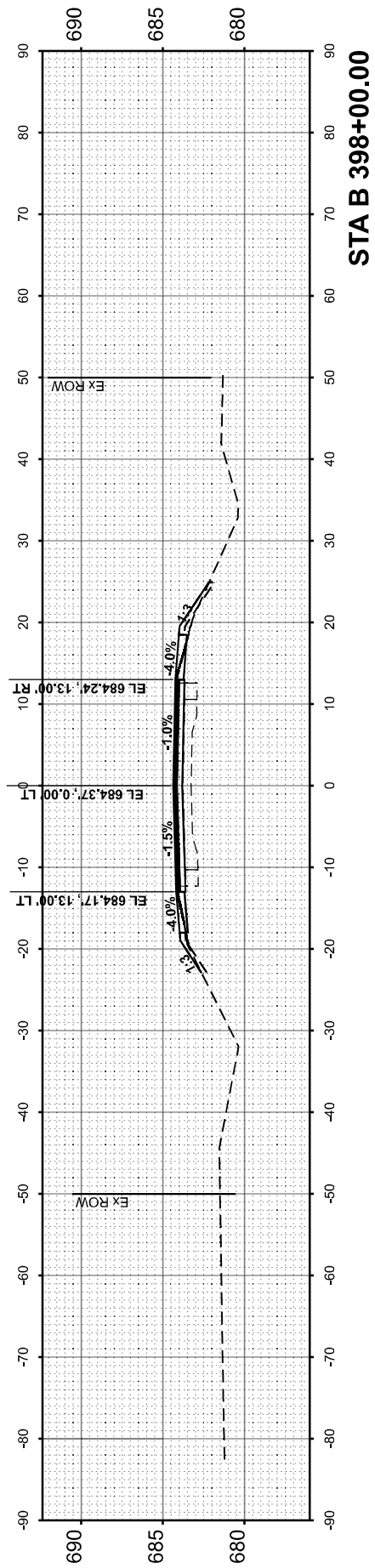
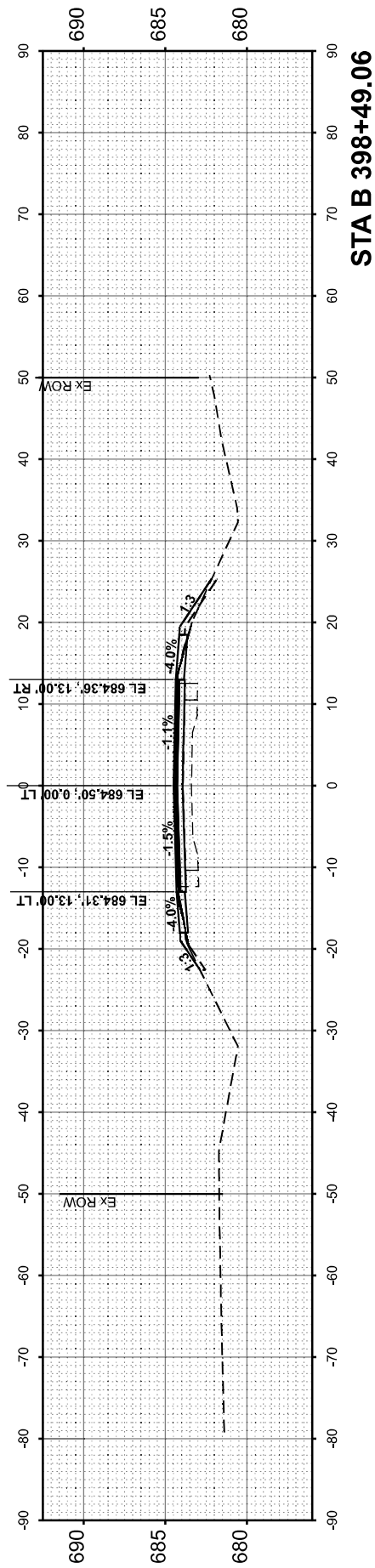


STA 101+00.00

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

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

MODEL: IL 133_C1-76P04 - B 395+02.73
FILE NAME: p:\atlaspw\z\m\p\com\atlaspw\c1\Documents\Projects\725073 ST 00170 CAD3_Sheets\133_XSections\133_C1-76P04 - B 395+02.73.dgn



USER NAME =	njoseph
PLOT SCALE =	0.16666633 / in.
PLOT DATE =	3/21/2024

DESIGNED -	NJ
DRAWN -	NJ
CHECKED -	PK
DATE -	03/15/2024

REVISED -	
REVISED -	
REVISED -	
REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=10'	SHEET	OF	SHEETS	STA. B 395+02.73	TO STA. B 398+49.06
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**IL 133
CROSS SECTIONS S.N. 023-8076**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	(14)RS-3(122)RS-4(14CR)	EDGAR	157	157
CONTRACT NO. 70C14				
ILLINOIS FED. AID PROJECT				