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PLANS OF PROPOSED IMPROVEMENT ON THE
PRIMARY ROAD SYSTEM
Jefferson/Henry COUNTY
HMA Resurfacing with Milling
0.9 mi E of Co Rd H43 to W of Mount Pleasant Bypass - Various Locations

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

Value Engineering Saves. Refer to Article 1105.14 of the Specifications.

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REVISIONS

TOTAL	49
PROJECT IDENTIFICATION NUMBER	
26-51-034-020	
PROJECT NUMBER	
NHSN-034-8(162)--2R-51	
R.O.W. PROJECT NUMBER	

INDEX OF SEALS			
SHEET NO.	NAME	TYPE	BID QUANTITY SHEETS
A.1	Anthony J. Klein	Primary Signature Block	C.1-C.3

ANTHONY JARED KLEIN
21902
IOWA

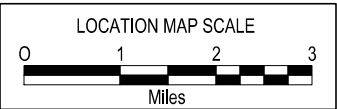
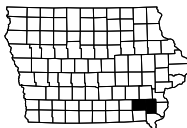
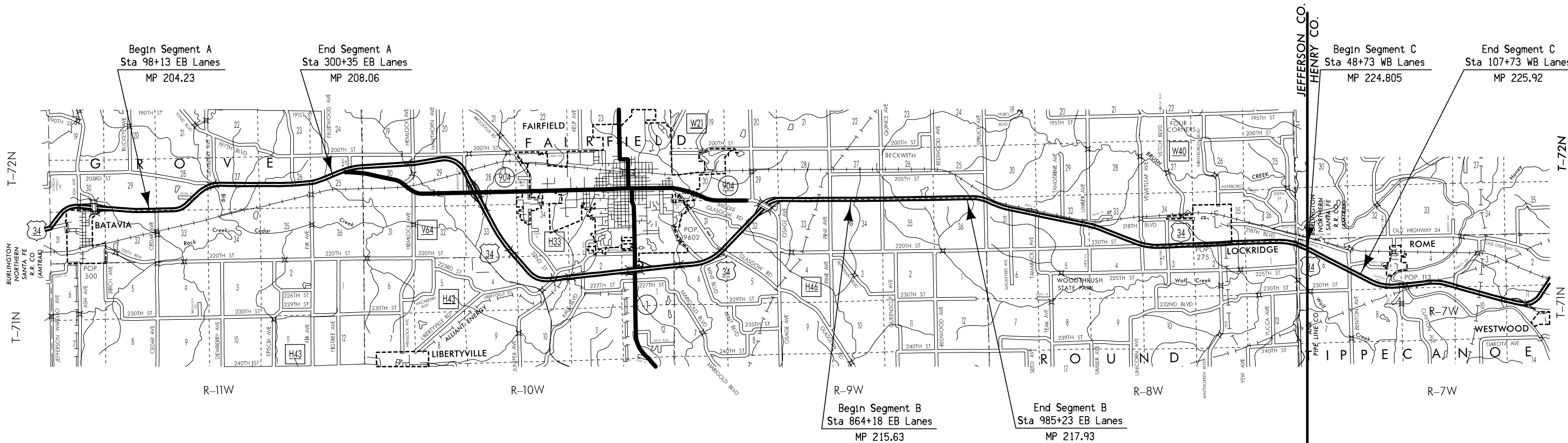
I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

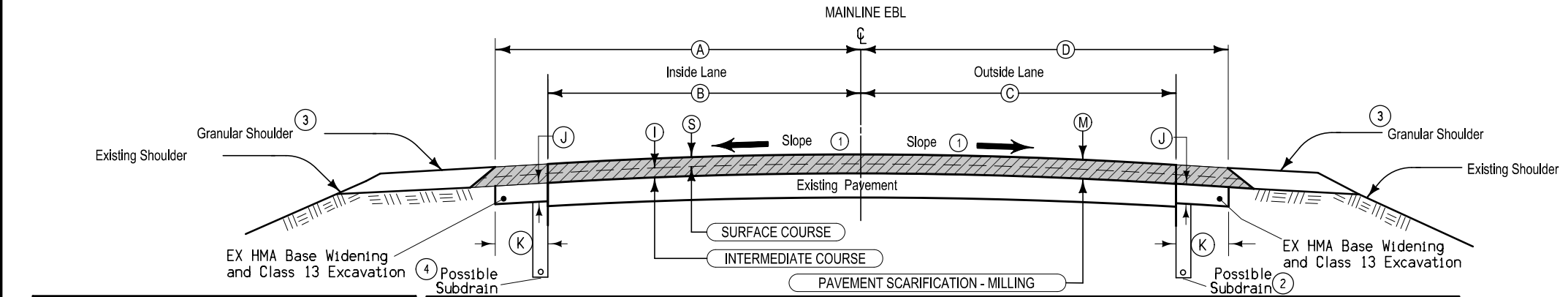
Signature: *Anthony J. Klein* Date: *7/6/26*

Printed or Typed Name: Anthony J. Klein

My license renewal date is December 31, 2026

Pages or sheets covered by this seal: All Sheets

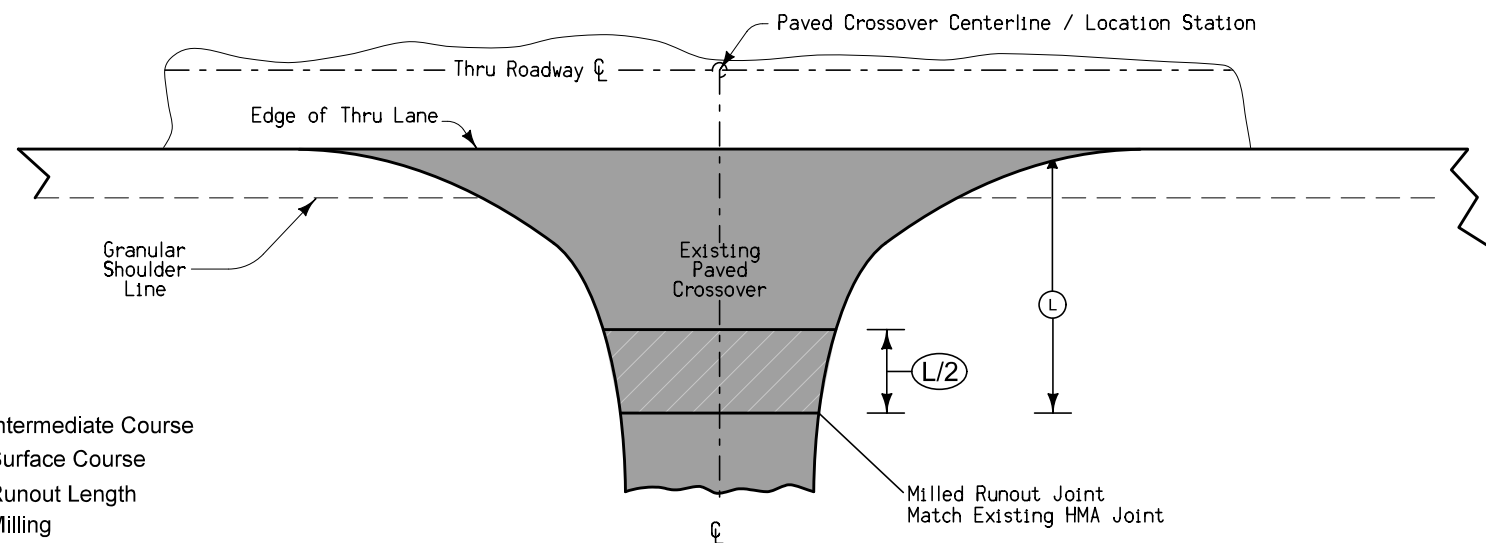




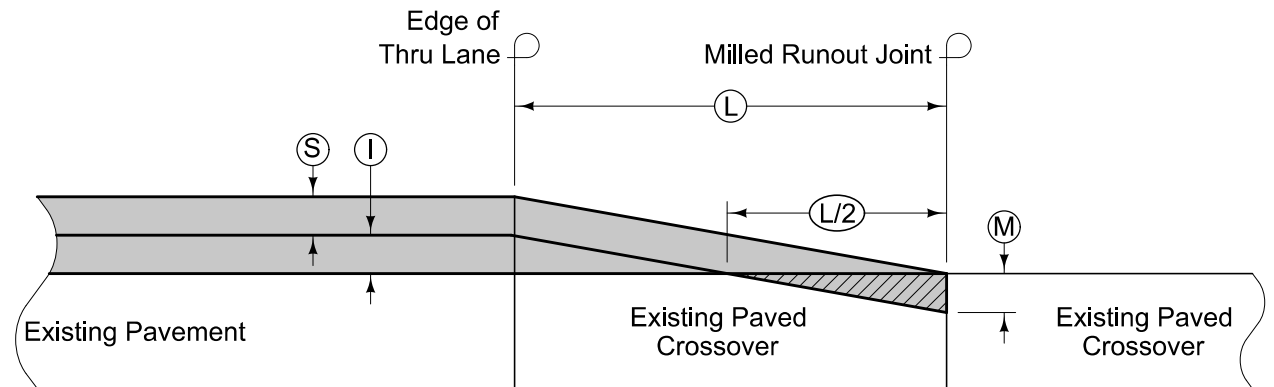
- Notes:
- Section shown in the direction of travel
- ① Match finished slope to existing pavement, except that the maximum allowable slope is 3.0 %, minimum allowable slope is 2.0 %. Section may be modified as directed by the Engineer through areas of special shaping.
- ② Existing longitudinal subdrain location respective to existing pavement. UAC existing subdrain.
- ③ Refer to Shoulder Typical 7135 and Tab 112_09 on C sheets.

S I	HMA Pavement Course	Unit Weight	Asphalt Binder Application Rate	Design Quantities										Per Station					
	Surface Course	147 lbs/cf	6.0% per ton of HMA Pavement	Location			(A)	(B)	(C)	(D)	(M)	(I)	(S)	(J)	(K)	Remarks			
	Intermediate Course	147 lbs/cf	6.0% per ton of HMA Pavement	Road Identification	Station To Station		Feet	Feet	Feet	Feet	Inches	Inches	Inches	Inches	Feet				
				US 34 - A	175+01.21	177+16.56	16.0	12.0	12.0	16.0	2.0	1.0	1.0	3.0	4.0				
				US 34 - B	859+32.63	861+62.75	16.0	12.0	12.0	16.0	2.0	1.0	1.0	3.0	4.0				

TYPICAL CROSS SECTION
HMA RESURFACING WITH MILLING
Segment 1 - Jefferson Co.
EB just East of Batavia



PLAN



SECTION A-A

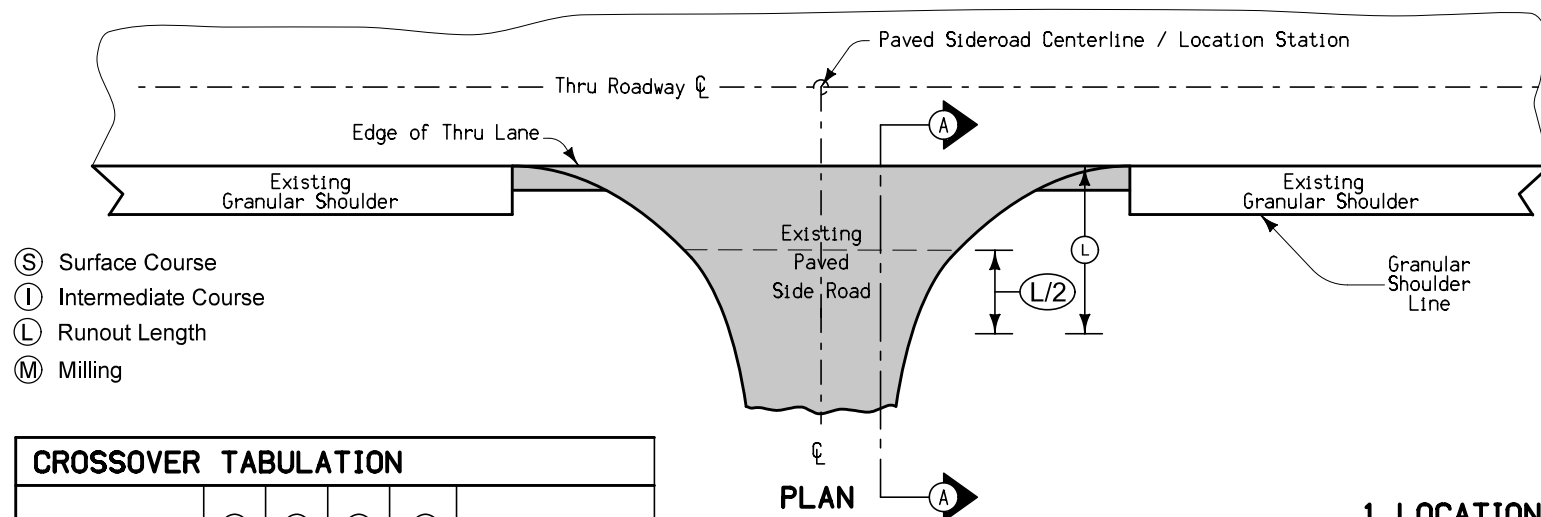
Notes:

1. Quantities included in Tab 102.16 and 100.25, C Sheets.

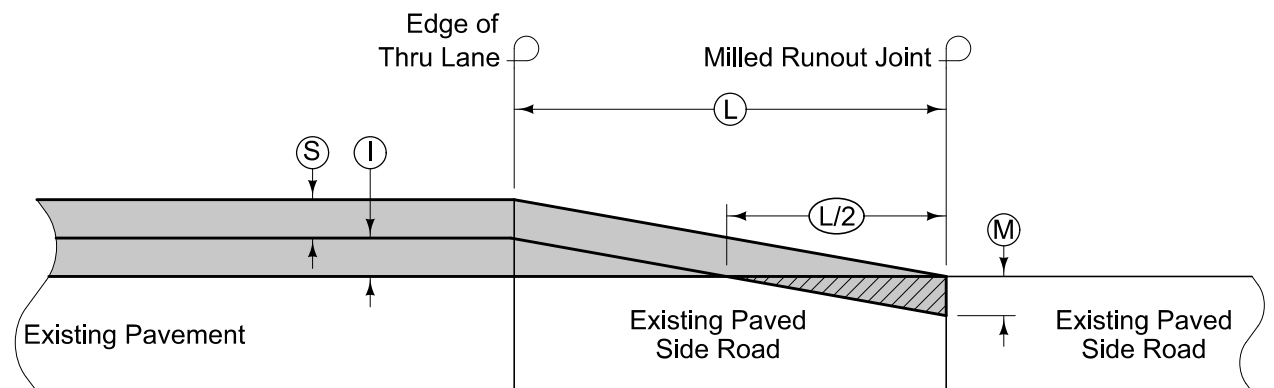
See Tabs 100.25 and 102.16 on C sheets for additional information.

CROSSOVER TABULATION					
LOCATION STATION	I Inches	S Inches	L Feet	M Inches	REMARKS
112+59.13 ML034_A	1.5	1.5	40	1.5	Crossover / Cedar Ave
245+36.79 ML034_A	1.5	1.5	30	1.5	Crossover
278+06.36 ML034_A	1.5	1.5	22	1.5	Crossover / Fir Ave

3 LOCATIONS
HMA RUNOUT
AT EXISTING PAVED CROSSOVERS



PLAN



SECTION A-A

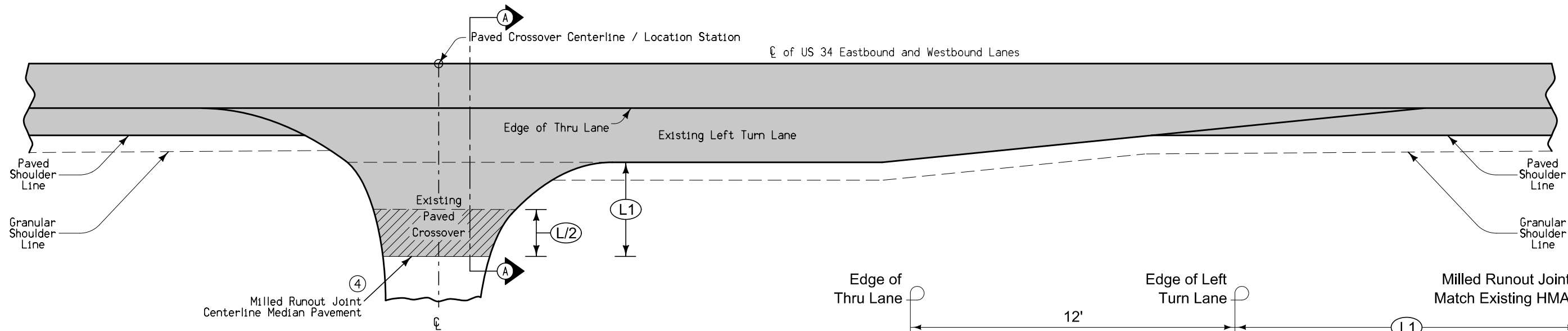
Notes:

1. Quantities included in Tab and 100-25, C Sheets.

See Tabs 100-25 on C sheets for additional information.

CROSSOVER TABULATION					
LOCATION STATION	I Inches	S Inches	L Feet	M Inches	REMARKS
87+73.80 ML034_C	1.5	1.5	30.0	1.5	PCC Sideroad / Benton Ave

1 LOCATIONS
HMA RUNOUT
AT EXISTING
PAVED SECONDARY ROADS



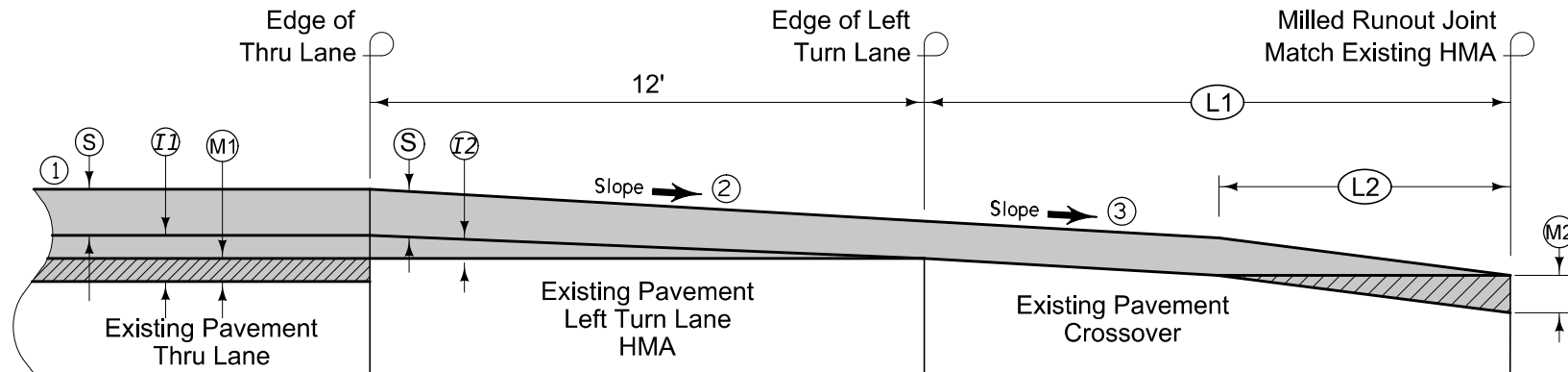
- (S) Surface Course
(I#) Intermediate Course
(L) Runout Length
(M#) Milling

LEFT TURN LANE TABULATION

LOCATION STATION	(S) Inches	(I1) Inches	(I2) Inches	(M1) Inches	(M2) Inches	(L1) Feet	(L2) Feet	REMARKS
152+18.86 Segment A	1.5	1.5	0.5-0	2.0	0-1.5	26	13	Crossover/206th
173+59.70 Segment A	1.5	1.5	0.5-0	2.0	0-1.5	14	7	Crossover/203rd
184+07.29 Segment A	1.5	1.5	0.5-0	2.0	0-1.5	16	8	Crossover/Dewberry
261+31.40 Segment A	1.5	1.5	0.5-0	2.0	0-1.5	20	10	Crossover/Packwood
896+65.45 Segment B	1.5	1.5	0.5-0	2.0	0-1.5	20	10	Crossover/Quince
88+40.68 Segment C	1.5	1.5	0.5-0	2.0	0-1.5	18	9	Crossover/Benton

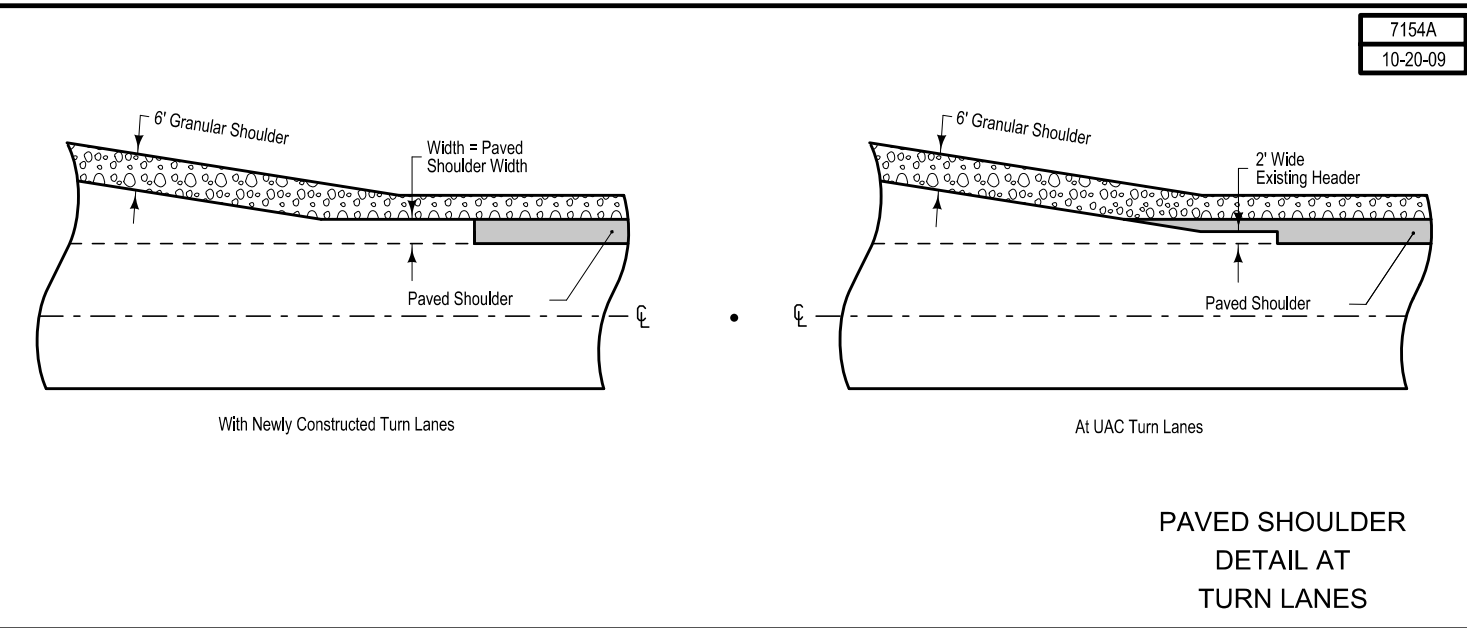
- ① Consistent with Typical 2618 modified.
② Varies, 4% max.
③ Match existing slope.

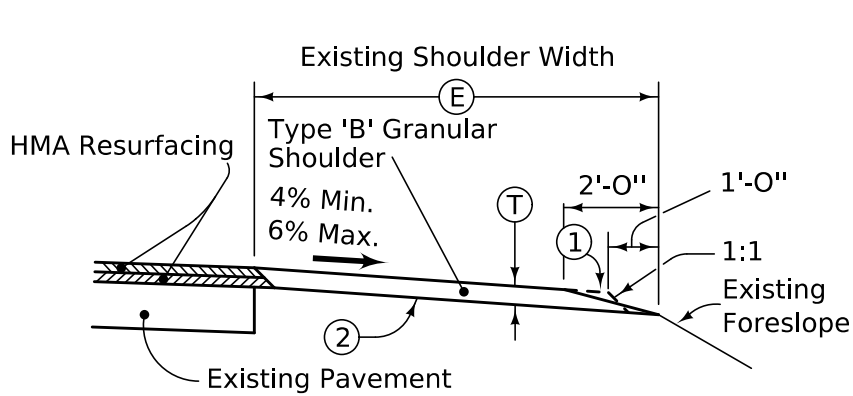
See Tabs 100.25 and 102.16 on C sheets for quantities and additional information.



SECTION A-A

6 LOCATIONS HMA RUNOUT AT EXISTING PAVED LEFT TURN LANES

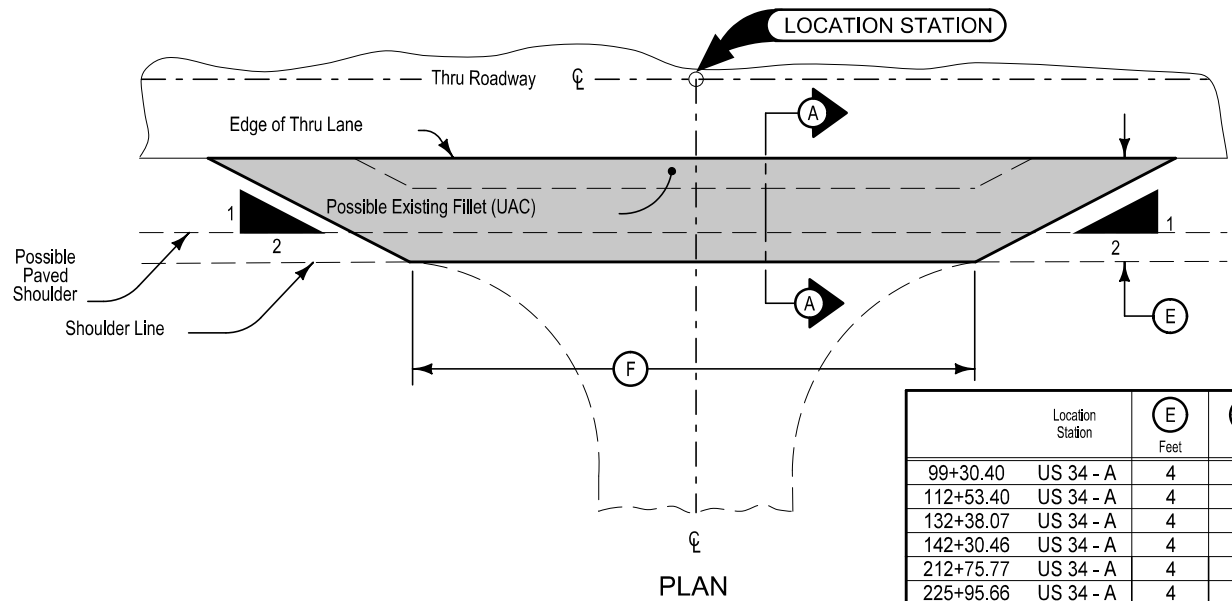




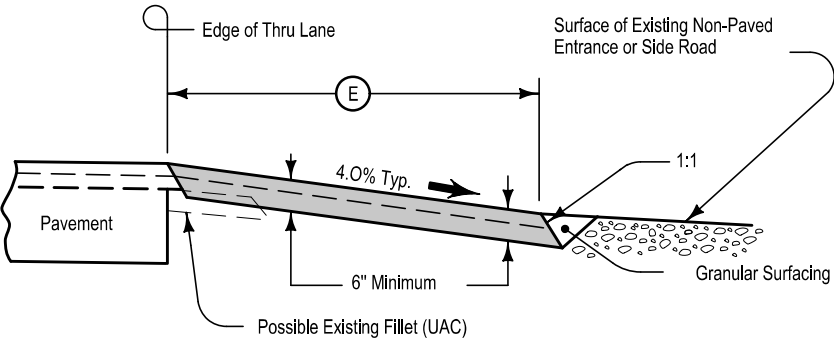
- ① Place and compact material to the dashed lines; then blade and shape to foreslope that portion above the solid line in the outer 2' and roll with loaded truck tire.
- ② Existing shoulder surface to be shaped to a uniform cross slope prior to placing granular shoulder material. Shape to ensure the thickness of the granular shoulder material is not less than the thickness of the resurfacing.

TYPICAL SECTION
FOR TYPE 'B'
GRANULAR SHOULDER
ADJACENT TO HOT MIX ASPHALT
RESURFACING

LOCATION				Ⓙ	Ⓔ
ROAD IDENTIFICATION	STATION TO STATION		SIDE	Inches	Feet
US 34 - A	98+13.00	177+16.56	RT	3	4
US 34 - A	98+13.00	177+16.56	LT	3	2
US 34 - A	180+59.35	300+35.00	RT	3	4
US 34 - A	180+59.35	300+35.00	LT	3	2
US 34 - B	859+32.63	985+22.54	RT	3	4
US 34 - B	859+32.63	985+22.54	LT	3	2
US 34 - C	48+74.30	107+81.59	RT	3	4
US 34 - C	48+74.30	107+81.59	LT	3	2



Location Station		E Feet	F Feet
99+30.40	US 34 - A	4	40
112+53.40	US 34 - A	4	62
132+38.07	US 34 - A	4	62
142+30.46	US 34 - A	4	62
212+75.77	US 34 - A	4	60
225+95.66	US 34 - A	4	50
245+26.12	US 34 - A	4	51
259+89.76	US 34 - A	4	60
261+26.29	US 34 - A	4	60
278+56.57	US 34 - A	4	65
287+62.87	US 34 - A	4	62
875+68.79	US 34 - B	4	50
896+56.12	US 34 - B	4	80
936+97.07	US 34 - B	4	50
947+81.01	US 34 - B	4	50
972+12.72	US 34 - B	4	50
972+12.72	US 34 - B	4	50
87+73.80	US 34 - C	4	130
104+94.99	US 34 - C	4	45



SECTION A-A

Special shaping of existing surface prior to placement of fillet may be required by the Engineer and is incidental to other work on the project.

Quantities included with mainline quantities.

16 ENTRANCE LOCATIONS RURAL
3 SIDE ROAD LOCATIONS RURAL
FILLET FOR NON-PAVED ENTRANCES OR SIDE ROADS

ESTIMATED PROJECT QUANTITIES AND REFERENCE NOTES

Roadway Items : Roadway Items

Item no.	Item Code	Item	Unit	Quantities	Estimate Reference Notes
				Estimated	
				Roadway Items	
1	2121-7425020	GRANULAR SHOULDERS, TYPE B	TON	7,958.05	Refer to Typical 7135 and Tabulation 112-9. Quantity increased by 20% due to degradation of shoulder cross-slope plus entrances and medians.
2	2212-0475095	CLEANING AND PREPARATION OF BASE	MILE	7.22	See Typicals on B Sheets for locations and details.
3	2214-5145150	PAVEMENT SCARIFICATION, NOMINAL THICKNESS	SY	137,982.4	See Typicals on B Sheets for locations and details. See tabs 100_25 and 102_16 for locations and additional information.
4	2303-1042500	HOT MIX ASPHALT HIGH TRAFFIC, INTERMEDIATE COURSE, 1/2 IN. MIX	TON	11,359.87	See Typicals 2618 for locations and details. See Tab 100-25 for details and quantities. Contractor will not use vibration for consolidation of HMA lifts from CL of located Dakota Access Pipeline, each direction to a distance of 10ft. See D Sheets for location. Quantities increased by 5% for irregularities.
5	2303-1043502	HOT MIX ASPHALT HIGH TRAFFIC, SURFACE COURSE, 1/2 IN. MIX, FRICTION L-2	TON	11,359.87	See Typicals 2618 for locations and details. See Tab 100-25 for details and quantities. Contractor will not use vibration for consolidation of HMA lifts from CL of located Dakota Access Pipeline, each direction to a distance of 10ft. See D Sheets for location. Quantities increased by 5% for irregularities.
6	2303-1258284	ASPHALT BINDER, PG 58-28H, HIGH TRAFFIC	TON	1,363.18	See Typicals 2618 for locations and details. See Tab 100-25 for details and quantities. Quantities increased by 5% for irregularities.
7	2303-6911000	HOT MIX ASPHALT PAVEMENT SAMPLES	LS	1	As per current Standard Specifications and Road Standards.
8	2303-7000610	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR HMA MIXTURE LABORATORY VOIDS (FORMULA - BY PAY FACTOR)	EACH	21,637.84	

Item no.	Item Code	Item	Unit	Quantities	Estimate Reference Notes
				Estimated	
				Roadway Items	
9	2303-7000620	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR HMA MIXTURE FIELD VOIDS (FORMULA - BY PAY FACTOR)	EACH	21,637.84	
10	2317-7000120	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR HMA PAVEMENT SMOOTHNESS (BY SCHEDULE)	EACH	4,813.3	
11	2520-0005010	POP-UP NETWORK DEVICE	EACH	1	This item is for furnishing and maintaining a portable, suitcase-style pop-up network case to provide high-speed wireless connectivity for digital site inspections and e-ticketing aggregate data transfers. The contractor shall ensure the device completely complies with all requirements outlined in Developmental Specification DS-23048. Hardware & Connectivity: The unit must be equipped with dual-SIM 5G mobile connectivity, dual Wi-Fi radios (2.4 GHz and 5 GHz), and a minimum expected broadcast range of 300 feet. Security & Management: The device must support remote cloud management and feature advanced cloud-managed threat protection. Project Coverage: Refer to the Project Communication Zone details on Plan Sheet [Insert Sheet Number, e.g., J.1] for the specified operational zones. Payment for this item will be full compensation for furnishing, cellular data service fees, remote management licensing, maintenance, and final removal of the device upon project completion.
12	2526-8285020	CONSTRUCTION SURVEY, CONTROL POINT SURVEY	LS	1	
13	2526-8285040	CONSTRUCTION SURVEY, LOCATION SURVEY	LS	1	
14	2527-9263155	PRE-CUT SYMBOLS AND LEGENDS, PREFORMED THERMOPLASTIC MARKING MATERIAL	EACH	9	See Tab 108_29 for locations and quantities.
15	2527-9263209	PAINTED PAVEMENT MARKINGS, WATERBORNE OR SOLVENT-BASED	STA	3,609.52	See Tab 108-22 for information and locations. Bid item is for the replacement of existing painted pavement markings. Painted pavement markings shall be provided for 12ft lanes in rural mainline sections.
16	2527-9270112	GROOVES CUT FOR PAVEMENT MARKINGS	STA	902.38	See Tab 108-22 for information and locations.
17	2528-8445110	TRAFFIC CONTROL	LS	1	As per current Standard Specifications and Road Plans. See Tab 108-23A, Sheet J sheets for additional information.
18	2529-5070110	PATCHES, FULL-DEPTH FINISH, BY AREA	SY	9.3	Refer to Tab. 102-6C on C sheets for location and quantity. This item is for the removal of the existing raised island and the replacement of a finish patch.
19	2529-5070120	PATCHES, FULL-DEPTH FINISH, BY COUNT	EACH	1	
20	2533-4980005	MOBILIZATION	LS	1	As per current Standard Specifications.

Item no.	Item Code	Item	Unit	Quantities	Estimate Reference Notes
				Estimated	
				Roadway Items	
21	2548-0000100	MILLED SHOULDER RUMBLE STRIPS, HMA SURFACE	STA	523.7	Refer to Tab 112-10 in the C sheets for locations and information.
22	2548-0000110	ASPHALT EMULSION FOR FOG SEAL (SHOULDER RUMBLE STRIPS)	GAL	567.4	
23	2555-0000010	DELIVER AND STOCKPILE SALVAGED MATERIALS	LS	1	Refer to Tab. 110-13. Contractor will be required to provide equipment to stockpile material. So as to help minimize the square footage of the land space needed for stockpiling, the contractor shall consolidate and stockpile the dump struck material to a singular stockpile that is 10ft in height.

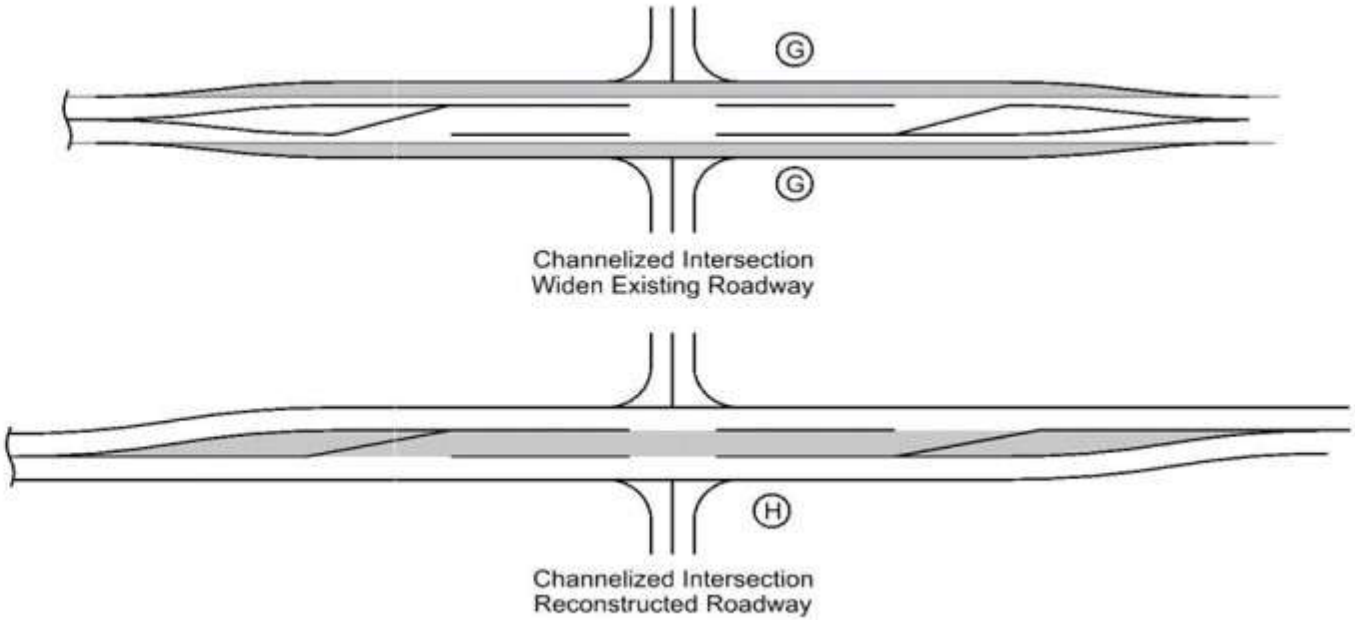
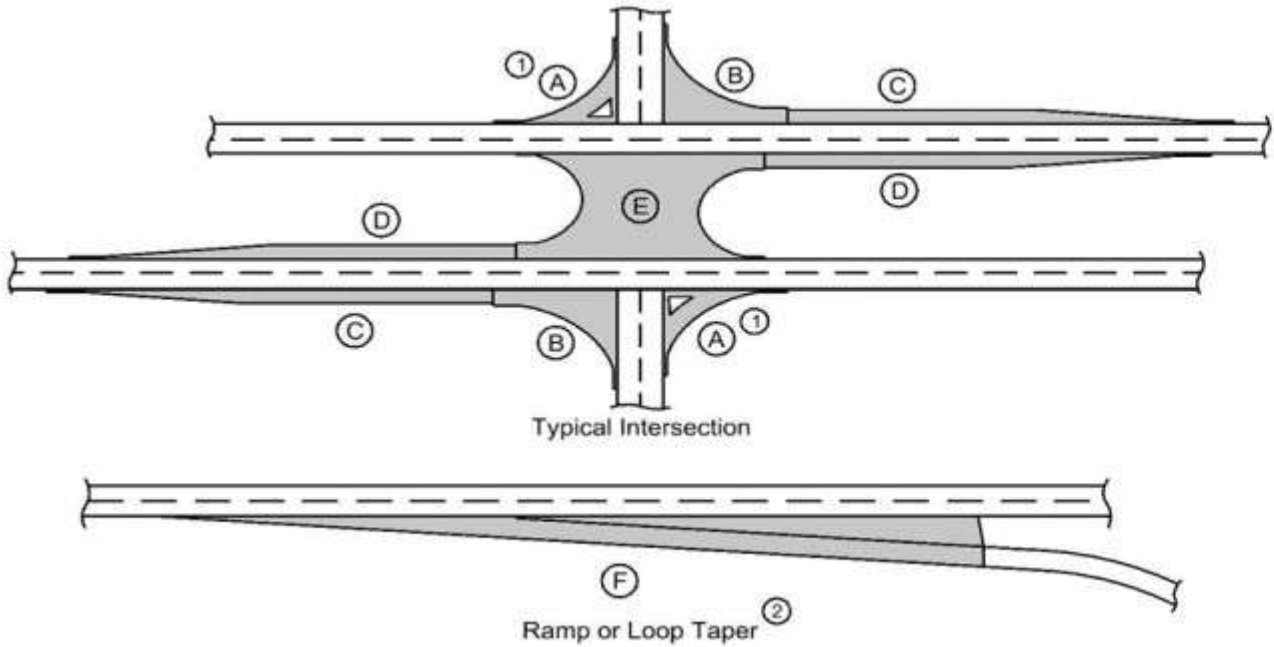
111_25 4/21/26			
INDEX OF TABULATIONS			
Line No.	Tabulation	Tabulation Title	Sheet No.
1.0	100_01A	ESTIMATED PROJECT QUANTITIES	C.1 - C.3
2.0	111_25	INDEX OF TABULATIONS	C.4
3.0	100_01D	PROJECT DESCRIPTION	C.5
4.0	100_25	HMA PAVEMENT	C.6 - C.7
5.0	102_05	EXISTING PAVEMENT	C.8
6.0	102_16	NOTCHES AND RUNOUTS FOR RESURFACING	C.9
7.0	105_04	STANDARD ROAD PLANS	C.10
8.0	108_22	PAVEMENT MARKING LINE TYPES	C.11 - C.14
9.0	108_29	PAVEMENT MARKING SYMBOLS AND LEGENDS	C.15
10.0	111_02	TABULATION OF REVISIONS	C.16
11.0	110_13	DELIVERY AND STOCKPILING	C.17
12.0	112_09	SHOULDERS	C.18
13.0	112_10	MILLED RUMBLE STRIPS	C.19
14.0	102_06C	FULL-DEPTH PATCHES	C.20
15.0	262_06	UTILITIES (NOT A POINT 25 PROJECT)	C.21
16.0	108_23A	TRAFFIC CONTROL PLAN	J.1
17.0	108_25	511 TRAVEL RESTRICTIONS	J.2
18.0	108_26A	STAGING NOTES	J.3
19.0	111_01	COORDINATED OPERATIONS	J.4

100_01D
8/15/22

PROJECT DESCRIPTION

This project is for the HMA resurfacing of two spot overlays along US 34 in Jefferson County, just west of Batavia to the Henry County Line, and one spot overlay from the Henry County Line to just South of Lockridge.

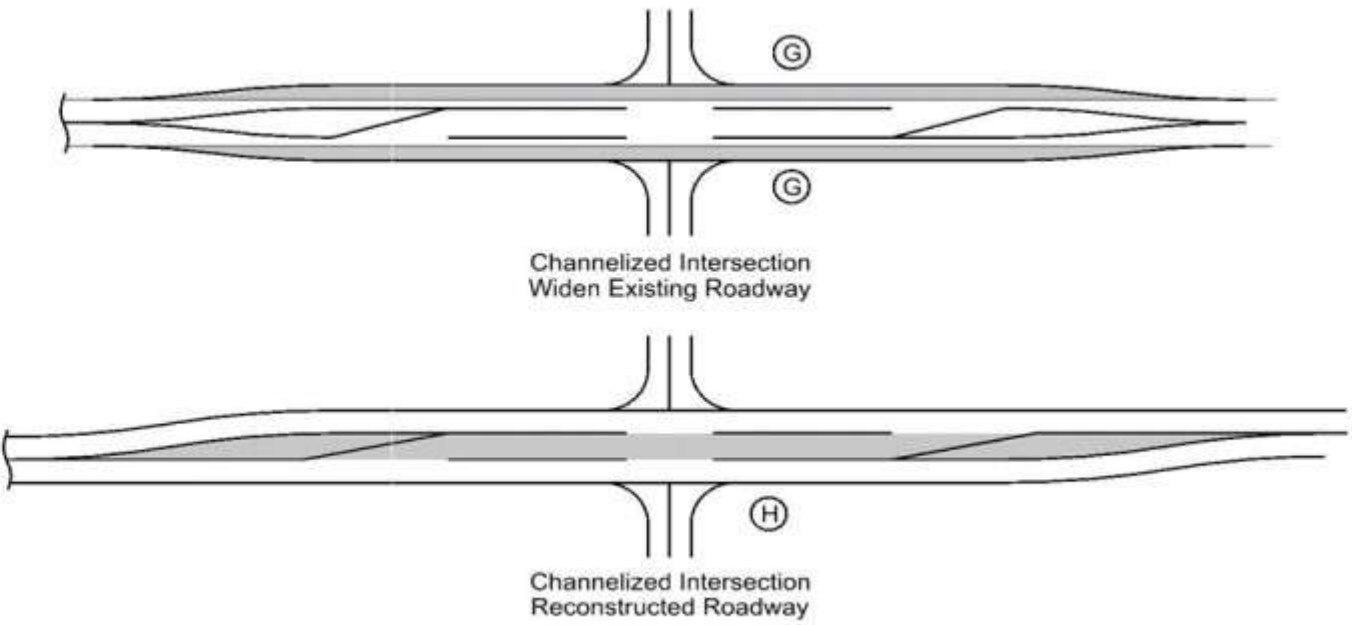
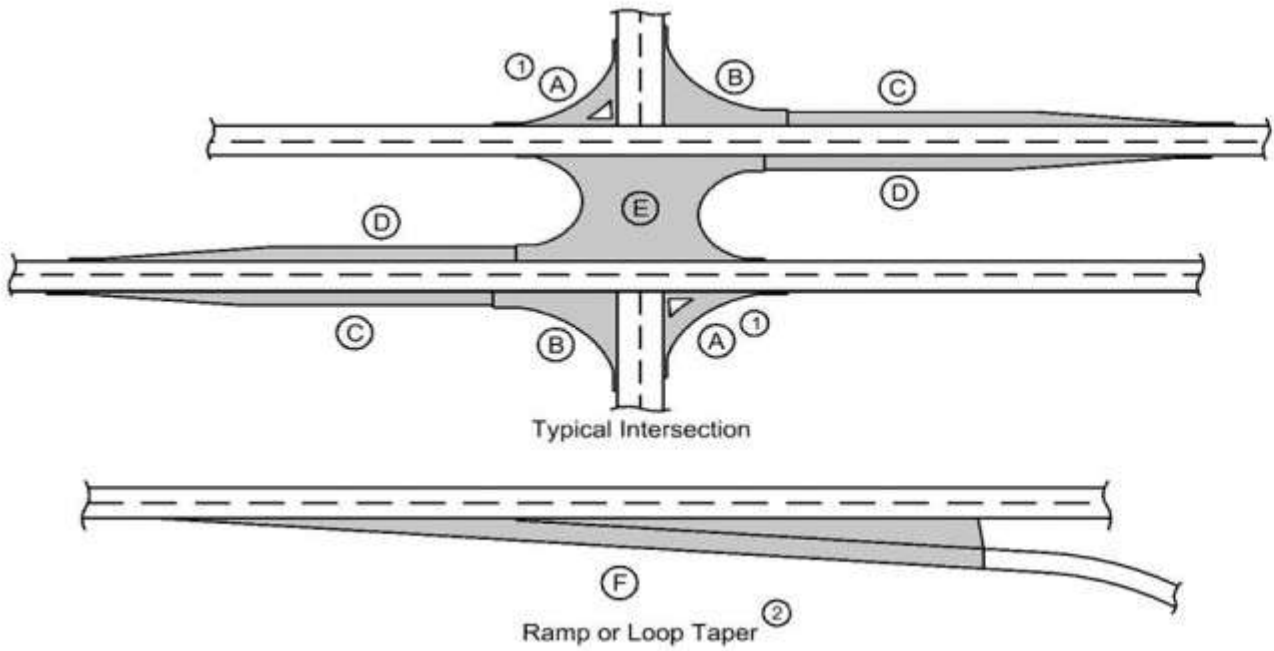
HMA PAVEMENT



(1) Does not include raised island area or curb. Refer to tabulation 112-4 for quantities.
(2) Refer to PV-410, PV-411, PV-412, and PV-414.
(3) Quantity includes Pavement Header.

Road Identification	Direction of Travel	Station From	Station To	Width (FT)	Length (FT)	Area (SY)	Area A(1) (SY)(3)	Area B (SY)(3)	Area C (SY)(3)	Area D (SY)(3)	Area E(2) (SY)(3)	Area F (SY)(3)	Area G (SY)(3)	Area H (SY)(3)	Thickness Surface (IN)	Thickness Intermediate	HMA Pavement Surface (TONS)	HMA Pavement Surface (SY)	HMA Pavement Intermediate (TONS)	HMA Pavement Intermediate (SY)	Binder Surface (TONS)	Binder Intermediate (TONS)	Pavement Scarification (SY)	Remarks		
Road Identification :																										
US 34 - 1	EB	98+13.00	148+98.76	32.0	5085.76	18082.70									1.5	1.5	1495.213	18082.70	1495.213	18082.70	89.713	89.713	18082.70	See Note #1		
US 34 - 1	EB	148+98.76	152+70.23	12.0	371.47					461.80					1.5	1.5	38.185	461.80	38.185	461.80	2.291	2.291	461.80	Ex Turn		
US 34 - 1	EB	152+18.86	152+18.86								143.80				1.5	1.5	11.890	143.80	11.890	143.80	0.713	0.713	143.80	Crossover		
US 34 - 1	EB	152+70.23	170+34.68	32.0	1764.45	6273.60									1.5	1.5	518.748	6273.60	518.748	6273.60	31.125	31.125	6273.60			
US 34 - 1	EB	170+34.68	174+29.45	12.0	394.77					460.10					1.5	1.5	38.045	460.10	38.045	460.10	2.283	2.283	460.10	Ex Turn		
US 34 - 1	EB	173+59.70	173+59.70								125.00				1.5	1.5	10.336	125.00	10.336	125.00	0.620	0.620	125.00	Crossover		
US 34 - 1	EB	174+29.45	177+16.56	32.0	287.11	1020.80									1.5	1.5	84.407	1020.80	84.407	1020.80	5.064	5.064	1020.80			
US 34 - 1	EB	180+59.35	181+36.80	32.0	77.45	275.40									1.5	1.5	22.772	275.40	22.772	275.40	1.366	1.366	275.40			
US 34 - 1	EB	181+36.80	184+63.43	12.0	326.63					378.30					1.5	1.5	31.281	378.30	31.281	378.30	1.877	1.877	378.30	Ex Turn		
US 34 - 1	EB	184+07.29	184+07.29								119.10				1.5	1.5	9.848	119.10	9.848	119.10	0.591	0.591	119.10	Crossover		
US 34 - 1	EB	184+63.43	257+91.36	32.0	7327.93	26054.90									1.5	1.5	2154.415	26054.90	2154.415	26054.90	129.265	129.265	26054.90			
US 34 - 1	EB	245+36.79	245+36.79								56.50				1.5	1.5	4.672	56.50	4.672	56.50	0.280	0.280	56.50	Crossover		
US 34 - 1	EB	257+91.36	262+22.34	12.0	430.98					499.60					1.5	1.5	41.311	499.60	41.311	499.60	2.479	2.479	499.60	Ex Turn		
US 34 - 1	EB	261+31.40	261+31.40								195.90				1.5	1.5	16.198	195.90	16.198	195.90	0.972	0.972	195.90	Crossover		
US 34 - 1	EB	262+22.34	300+35.00	32.0	3812.66	13556.10									1.5	1.5	1120.920	13556.10	1120.920	13556.10	67.255	67.255	13556.10			
US 34 - 1	EB	278+80.41	278+80.41							225.30					1.5	1.5	18.629	225.30	18.629	225.30	1.118	1.118	225.30	Crossover		
					19879.21	65263.5						2025.1	640.3						5616.87	67928.9	5616.87	67928.9	337.012	337.012	67928.9	
Road Identification US 34 - 1:																										
US 34 - 2	EB	859+32.63	861+62.75	32.0	230.12	818.20									1.5	1.5	67.655	818.20	67.655	818.20	4.059	4.059	818.20			
US 34 - 2	EB	864+17.38	893+21.53	32.0	2904.15	10325.90									1.5	1.5	853.823	10325.90	853.823	10325.90	51.229	51.229	10325.90			
US 34 - 2	EB	893+21.53	898+11.12	12.0	489.59					481.30					1.5	1.5	39.797	481.30	39.797	481.30	2.388	2.388	481.30	Crossover		

HMA PAVEMENT



(1) Does not include raised island area or curb. Refer to tabulation 112-4 for quantities.
(2) Refer to PV-410, PV-411, PV-412, and PV-414.
(3) Quantity includes Pavement Header.

Road Identification	Direction of Travel	Station From	Station To	Width (FT)	Length (FT)	Area (SY)	Area A(1) (SY)(3)	Area B (SY)(3)	Area C (SY)(3)	Area D (SY)(3)	Area E(2) (SY)(3)	Area F (SY)(3)	Area G (SY)(3)	Area H (SY)(3)	Thickness Surface (IN)	Thickness Intermediate	HMA Pavement Surface (TONS)	HMA Pavement Surface (SY)	HMA Pavement Intermediate (TONS)	HMA Pavement Intermediate (SY)	Binder Surface (TONS)	Binder Intermediate (TONS)	Pavement Scarification (SY)	Remarks
US 34 - 2	EB	896+65.45	896+65.45								257.30				1.5	1.5	21.275	257.30	21.275	257.30	1.276	1.276	257.30	Ex Turn
US 34 - 2	EB	898+11.12	985+22.59	32.0	8711.47	30974.10									1.5	1.5	2561.171	30974.10	2561.171	30974.10	153.670	153.670	30974.10	
Road Identification US 34 - 2:					12335.33	42118.2					481.3	257.3					3543.721	42856.8	3543.721	42856.8	212.622	212.622	42856.8	
US 34 - 3	WB	48+74.30	87+33.32	32.0	3859.02	13721.00									1.5	1.5	1134.555	13721.00	1134.555	13721.00	68.073	68.073	13721.00	
US 34 - 3	WB	87+33.32	91+96.23	12.0	462.91					533.80					1.5	1.5	44.139	533.80	44.139	533.80	2.648	2.648	533.80	Ex Turn
US 34 - 3	WB	88+40.68	88+40.68								163.80				1.5	1.5	13.544	163.80	13.544	163.80	0.813	0.813	163.80	Crossover
US 34 - 3	WB	91+96.23	107+81.59	32.0	1585.36	5636.80									1.5	1.5	466.093	5636.80	466.093	5636.80	27.966	27.966	5636.80	
Road Identification US 34 - 3:					5907.29	19357.8					533.8	163.8					1658.331	20055.4	1658.331	20055.4	99.5	99.5	20055.4	
Total:					38121.83	126739.5					3040.2	1061.4					10818.922	130841.1	10818.922	130841.1	649.134	649.134	130841.1	

Note #1 Contractor will not use vibration for consolidation of HMA lifts from CL of located Dakota Access Pipeline, each direction to a distance of 10ft.
5% Added to all asphalt quantities for irregularities

EXISTING PAVEMENT																						102_05 9/29/23
Line No.	County	Route	Direction of Travel	Begin Ref. Location Sign	End Ref. Location Sign	Year	Type	Project Number	Surface Type	Surface Depth (IN)	Base Type	Base Depth (IN)	Subbase Type	Subbase Depth (IN)	Removal Type	Removal Depth (IN)	Coarse Aggregate Source	Coarse Aggregate Type	Course Aggregate Durability Class	Reinforcement Type	Remarks	
1.0		US 34		204.23	208.06	2021	M	MP-034-5(711)191--76-90													PCC PATCHING	
2.0						2019	M	MP-034-5(707)191--76-90													PCC PATCHING	
3.0						2017	M	MP-34-5(705)191--76-90	PCC	10.5											PCC PATCHING	
4.0						2011	W	NHSX-034-8(143)--3H-51	HMA	2.0	HMA	2.0	HMA	3.0			SELMA-GARDNE	C.LST.				
5.0						2011		NHSX-034-8(143)--3H-51	HMA	2.0	HMA	2.0			SCR	1.5	SELMA-GARDNE	C.LST.				
6.0						1992		F-34-8(38)--21-51	AAC	1.5							DOUDS MINE	C.LST.				
7.0						1984		FR-34-8(18)--2G-51	BAC	1.5	TBB	1.5										
8.0						1979		FN-34-8(11)--21-51	AAC	1.0	TBB	1.0					DOUDS MINE	C.LST.				
9.0						1955		F-3(9)	PCC	9.5							DOUDS MINE	C.LST.	2			
10.0																						
11.0		US 34		215.63	217.93	2021	M	MP-034-5(711)191--76-90														
12.0						2019	M	MP-034-5(707)191--76-90														
13.0						2017	M	MP-34-5(705)191--76-90	PCC	10.5												
14.0						2011	W	NHSX-034-8(143)--3H-51	HMA	1.5	HMA	1.5	HMA	3.0			SELMA-GARDNE	C.LST.				
15.0						2011		NHSX-034-8(143)--3H-51	HMA	1.5	HMA	1.5			SCR	1.5	SELMA-GARDNE	C.LST.				
16.0						1991		FN-34-8(24)--21-51	AAC	3.0							KESWICK	C.LST.				
17.0						1979		FN-34-8(11)--21-51	AAC	1.0	TBB	1.0					DOUDS MINE	C.LST.				
18.0						1959	V	F-3(14)	PCC	10.0							FARMINGTON-C	C.LST.	I		SOME PC RESURF.	
19.0						1959		F-3(14)	PCC	10.0							FARMINGTON-C	C.LST.	I			
20.0																						
21.0		US 34		224.81	225.93	2019	M	MP-034-5(707)191--76-90													PCC PATCHING	
22.0						2017	M	MP-034-5(709)34--76-90	PCC	10.5											PCC PATCHING	
23.0						2011	W	NHSX-034-8(143)--3H-51	HMA	1.5	HMA	1.5	HMA	3.0			SELMA-GARDNE	C.LST.				
24.0						2011		NHSX-034-8(143)--3H-51	HMA	1.5	HMA	1.5					SELMA-GARDNE	C.LST.				
25.0						1993		NHS-34-9(71)--19-44	AAC	4.5							DOUDS MINE	C.LST.				
26.0						1957		F-151(5)	PCC	10.0							FARMINGTON-C	C.LST.	I			

NOTCHES AND RUNOUTS FOR RESURFACING									102_16 11/1/24
Refer to PR-201 and PR-202.									
(1) Bid item. Applies only to Types 'N1' and 'N3' on PR-202. Refer to 100-25 for remaining values.									
Line No.	Station	Type of Notch or Runout	S (IN)	I (IN)	DI (IN)	L (FT)	M (IN)	Pavement Scarification (SY) (1)	Remarks
1.0	98+13.00	Type N5	1.5	1.5		150.0	2.0	533.3	Mainline BOP Seg 1
2.0	112+59.13	Type N5	1.5	1.5		20.0	2.0	100.5	Cross Over / Cedar Ave
3.0	152+18.86	Type N5	1.5	1.5		13.0	2.0	60.8	Cross Over / 206th St
4.0	173+59.70	Type N5	1.5	1.5		14.0	2.0	125.0	Cross Over / 203rd St
5.0	175+01.21	Type N5	1.5	1.5		150.0	2.0	594.9	Mainline
6.0	177+16.56	Type N4	1.0	1.0		150.0	2.0	745.0	Mainline
7.0	180+59.35	Type N5	1.5	1.5		150.0	2.0	565.5	Mainline
8.0	184+07.29	Type N5	1.5	1.5		16.0	2.0	119.1	Cross Over / Dewberry Ave
9.0	245+36.79	Type N5	1.5	1.5		15.0	2.0	56.5	Cross Over / Res Drive
10.0	261+31.40	Type N5	1.5	1.5		21.0	2.0	195.9	Cross Over / Packwood Rd
11.0	278+80.41	Type N5	1.5	1.5		22.0	2.0	225.3	Cross Over / Fir Ave
12.0	300+35.00	Type N5	1.5	1.5		150.0	2.0	533.3	Mainline EOP Seg 1
13.0	+ .00								
14.0	859+32.63	Type N4	1.0	1.0		150.0	2.0	817.6	Mainline BOP Seg 2
15.0	864+17.38	Type N5	1.5	1.5		150.0	2.0	533.3	Mainline
16.0	896+65.45	Type N5	1.5	1.5		20.0	2.0	113.0	Cross Over / Quince Ave
17.0	985+22.54	Type N5	1.5	1.5		150.0	2.0	533.3	Mainline EOP Seg 2
18.0	+ .00								
19.0	48+74.30	Type N5	1.5	1.5		150.0	2.0	533.3	Mainline BOP Seg 3
20.0	88+40.68	Type N3	1.5	1.5		20.0	2.0	222.4	Cross Over / Benton Ave
21.0	106+31.59	Type N5	1.5	1.5		150.0	2.0	533.3	Mainline EOP Seg 3
Total:						7141.3			

105_04 4/21/26 STANDARDS The following Standards apply to construction work on this project.		
Number	Date	Title
PM-115	04-15-25	Grooving for Line Types
PV-12	04-16-24	Milled Shoulder Rumble Strips
TC-432	10-17-17	Shoulder Rumble Strip Operations
PR-202	10-21-14	Notches for Resurfacing (with or without Runout)
TC-402	04-18-23	Work Within 15 ft of Traveled Way
PM-116	04-16-24	Grooving for Symbols and Legends
PV-202	04-21-20	Hot Mix Asphalt Resurfacing
PM-111	04-21-20	Symbols and Legends
PV-101	10-21-25	Joints
PM-110	10-15-24	Line Types
PM-562	10-15-24	Divided Multi-Lane Roadway with Left Turn Lanes
PM-760	10-15-24	Divided Multi-Lane Roadway Median
TC-1	10-15-19	Work Not Affecting Traffic (Two-Lane or Multi-Lane)
TC-418	04-18-23	Lane Closure on Divided Highway
TC-431	04-15-25	Slow Moving Vehicle Operating in the Traffic Lane
TC-433	10-17-17	Pavement Marking Operations
TC-482	04-19-22	Uneven Lanes

PAVEMENT MARKING LINE TYPES

Line factors based on 6-inch wide continuous line.

*BCY4 - Place on the same side of the roadway to match existing markings near the project.

**NPY4 - Estimating purposes only. No Passing Zone Lines will be located in the field.

***MNY6 - Factor of 1.00 includes number of 6-inch passes to cover median nose area.

BCY4: Broken Centerline (Yellow) @ 0.17

BCY6: Broken Centerline (Yellow) @ 0.25

BLC6: Broken Line Contrast (White/Black) @ 0.50

BLW4: Broken Lane Line (White) @ 0.17

BLW6: Broken Lane Line (White) @ 0.25

CBW6: Crosswalk Bar (White) @ 10.00

CHW8: Channelizing Line (White) @ 1.33

CHW10: Channelizing Line (White) @ 1.67

CHY8: Channelizing Line (Yellow) @ 1.33

CHY10: Channelizing Line (Yellow) @ 1.67

CLW6: Crosswalk Line (White) @ 2.00

DCY4: Double Centerline (Yellow) @ 1.34

DCY6: Double Centerline (Yellow) @ 2.00

DDY4: Double Dotted Line (Yellow) @ 0.44

DDY6: Double Dotted Line (Yellow) @ 0.67

DLW4: Dotted Line (White) @ 0.22

DLW6: Dotted Line (White) @ 0.33

DLY4: Dotted Line (Yellow) @ 0.22

DLY6: Dotted Line (Yellow) @ 0.33

ELW4: Edge Line Right (White) @ 0.67

ELW6: Edge Line Right (White) @ 1.00

ELY4: Edge Line Left (Yellow) @ 0.67

ELY6: Edge Line Left (Yellow) @ 1.00

LDW8: Lane Drop (White) @ 0.33

LDW10: Lane Drop (White) @ 0.42

MNY6: Median Nose (Yellow) @ 1.00

NPY4: No Passing Zone Line (Yellow) @ 0.84

NPY6: No Passing Zone Line (Yellow) @ 1.25

RLW4: Ramp Edge Line Right (White) @ 0.67

RLW6: Ramp Edge Line Right (White) @ 1.00

RLY4: Ramp Edge Line Left (Yellow) @ 0.67

RLY6: Ramp Edge Line Left (Yellow) @ 1.00

SLW2: Stop Line (White) @ 4.00

SLW4: Solid Lane Line (White) @ 0.67

SLW6: Solid Lane Line (White) @ 1.00

SPW4: Sloped Curb 4" (White) @ 2.16

SPW6: Sloped Curb 6" (White) @ 2.28

SPY4: Sloped Curb 4" (Yellow) @ 2.16

SPY6: Sloped Curb 6" (Yellow) @ 2.28

STW6: Standard Curb 6" (Yellow) @ 2.03

STY6: Standard Curb 6" (Yellow) @ 2.03

YLW2: Yield Line (White) @ 1.15

Line No.	Road ID	Station From	Station To	Line Length (STA)	Lane	Marking Type	Left	Center	Right	Groove Marking Needed?	Groove Qty. (STA)	BLW6 (STA)	BLW6 Factored (STA)	ELW6 (STA)	ELW6 Factored (STA)	ELY6 (STA)	ELY6 Factored (STA)	SLW2 (STA)	SLW2 Factored (STA)	SLW6 (STA)	SLW6 Factored (STA)	Remarks
1.0	US 34-A	98+13.00	300+35.00	202.22	EB	Waterborne/Solvent Paint	X	X	X	No		202.22	50.55	202.22	202.22	202.22	202.22					SCARIFIED ROADWAY
2.0	US 34-A		112+59.13	0.40	X-Over	Waterborne/Solvent Paint		X		No								0.40	1.60			SCARIFIED ROADWAY
3.0	US 34-A		152+18.86	0.40	X-Over	Waterborne/Solvent Paint		X		No								0.40	1.60			SCARIFIED ROADWAY
4.0	US 34-A		152+18.86	2.80	Aux.	Waterborne/Solvent Paint			X	No										2.80	2.80	SCARIFIED ROADWAY
5.0	US 34-A		173+59.70	0.40	X-Over	Waterborne/Solvent Paint		X		No								0.40	1.60			SCARIFIED ROADWAY
6.0	US 34-A		173+59.70	2.80	Aux.	Waterborne/Solvent Paint			X	No										2.80	2.80	SCARIFIED ROADWAY
7.0	US 34-A		184+07.29	0.40	X-Over	Waterborne/Solvent Paint		X		No								0.40	1.60			SCARIFIED ROADWAY
8.0	US 34-A		184+07.29	2.80	Aux.	Waterborne/Solvent Paint			X	No										2.80	2.80	SCARIFIED ROADWAY
9.0	US 34-A		245+36.79	0.40	X-Over	Waterborne/Solvent Paint		X		No								0.40	1.60			SCARIFIED ROADWAY
10.0	US 34-A		261+31.40	0.40	X-Over	Waterborne/Solvent Paint		X		No								0.40	1.60			SCARIFIED ROADWAY
11.0	US 34-A		261+31.40	2.80	Aux.	Waterborne/Solvent Paint			X	No										2.80	2.80	SCARIFIED ROADWAY
12.0	US 34-A		278+80.41	0.40	X-Over	Waterborne/Solvent Paint		X		No								0.40	1.60			SCARIFIED ROADWAY
13.0	US 34-A	98+13.00	300+35.00	202.22	EB	Waterborne/Solvent Paint	X	X	X	No		202.22	50.55	202.22	202.22	202.22	202.22					INTERMEDIATE LIFT
14.0	US 34-A		112+59.13	0.40	X-Over	Waterborne/Solvent Paint		X		No								0.40	1.60			INTERMEDIATE LIFT
15.0	US 34-A		152+18.86	0.40	X-Over	Waterborne/Solvent Paint		X		No								0.40	1.60			INTERMEDIATE LIFT
16.0	US 34-A		152+18.86	2.80	Aux.	Waterborne/Solvent Paint			X	No										2.80	2.80	INTERMEDIATE LIFT
17.0	US 34-A		173+59.70	0.40	X-Over	Waterborne/Solvent Paint		X		No								0.40	1.60			INTERMEDIATE LIFT
18.0	US 34-A		173+59.70	2.80	Aux.	Waterborne/Solvent Paint			X	No										2.80	2.80	INTERMEDIATE LIFT
19.0	US 34-A		184+07.29	0.40	X-Over	Waterborne/Solvent Paint		X		No								0.40	1.60			INTERMEDIATE LIFT
20.0	US 34-A		184+07.29	2.80	Aux.	Waterborne/Solvent Paint			X	No										2.80	2.80	INTERMEDIATE LIFT
21.0	US 34-A		245+36.79	0.40	X-Over	Waterborne/Solvent Paint		X		No								0.40	1.60			INTERMEDIATE LIFT
22.0	US 34-A		261+31.40	0.40	X-Over	Waterborne/Solvent Paint		X		No								0.40	1.60			INTERMEDIATE LIFT
23.0	US 34-A		261+31.40	2.80	Aux.	Waterborne/Solvent Paint			X	No										2.80	2.80	INTERMEDIATE LIFT
24.0	US 34-A		278+80.41	0.40	X-Over	Waterborne/Solvent Paint		X		No								0.40	1.60			INTERMEDIATE LIFT
25.0	US 34-A	98+13.00	300+35.00	202.22	EB	Waterborne/Solvent Paint	X	X	X	No		202.22	50.55	202.22	202.22	202.22	202.22					SURFACE LIFT - TEMP
26.0	US 34-A		112+59.13	0.40	X-Over	Waterborne/Solvent Paint		X		No								0.40	1.60			SURFACE LIFT - TEMP
27.0	US 34-A		152+18.86	0.40	X-Over	Waterborne/Solvent Paint		X		No								0.40	1.60			SURFACE LIFT - TEMP
28.0	US 34-A		152+18.86	2.80	Aux.	Waterborne/Solvent Paint			X	No										2.80	2.80	SURFACE LIFT - TEMP
29.0	US 34-A		173+59.70	0.40	X-Over	Waterborne/Solvent Paint		X		No								0.40	1.60			SURFACE LIFT - TEMP
30.0	US 34-A		173+59.70	2.80	Aux.	Waterborne/Solvent Paint			X	No										2.80	2.80	SURFACE LIFT - TEMP
31.0	US 34-A		184+07.29	0.40	X-Over	Waterborne/Solvent Paint		X		No								0.40	1.60			SURFACE LIFT - TEMP
32.0	US 34-A		184+07.29	2.80	Aux.	Waterborne/Solvent Paint			X	No										2.80	2.80	SURFACE LIFT - TEMP
33.0	US 34-A		245+36.79	0.40	X-Over	Waterborne/Solvent Paint		X		No								0.40	1.60			SURFACE LIFT - TEMP
34.0	US 34-A		261+31.40	0.40	X-Over	Waterborne/Solvent Paint		X		No								0.40	1.60			SURFACE LIFT - TEMP
35.0	US 34-A		261+31.40	2.80	Aux.	Waterborne/Solvent Paint			X	No										2.80	2.80	SURFACE LIFT - TEMP
36.0	US 34-A		278+80.41	0.40	X-Over	Waterborne/Solvent Paint		X		No								0.40	1.60			SURFACE LIFT - TEMP
37.0	US 34-A	98+13.00	300+35.00	202.22	EB	Waterborne/Solvent Paint	X	X	X	Yes	454.99	202.22	50.55	202.22	202.22	202.22	202.22					SURFACE LIFT - PERM
38.0	US 34-A		112+59.13	0.40	X-Over	Waterborne/Solvent Paint		X		Yes	1.60							0.40	1.60			SURFACE LIFT - PERM
39.0	US 34-A		152+18.86	0.40	X-Over	Waterborne/Solvent Paint		X		Yes	1.60							0.40	1.60			SURFACE LIFT - PERM
40.0	US 34-A		152+18.86	2.80	Aux.	Waterborne/Solvent Paint			X	Yes	2.80									2.80	2.80	SURFACE LIFT - PERM
41.0	US 34-A		173+59.70	0.40	X-Over	Waterborne/Solvent Paint		X		Yes	1.60							0.40	1.60			SURFACE LIFT - PERM
42.0	US 34-A		173+59.70	2.80	Aux.	Waterborne/Solvent Paint			X	Yes	2.80									2.80	2.80	SURFACE LIFT - PERM

BCY4: Broken Centerline (Yellow) @ 0.17	BCY6: Broken Centerline (Yellow) @ 0.25	BLC6: Broken Line Contrast (White/Black) @ 0.50
CBW6: Crosswalk Bar (White) @ 10.00	CHW8: Channelizing Line (White) @ 1.33	CHW10: Channelizing Line (White) @ 1.67
CLW6: Crosswalk Line (White) @ 2.00	DCY4: Double Centerline (Yellow) @ 1.34	DCY6: Double Centerline (Yellow) @ 2.00
DLW4: Dotted Line (White) @ 0.22	DLW6: Dotted Line (White) @ 0.33	DLY4: Dotted Line (Yellow) @ 0.22
ELW6: Edge Line Right (White) @ 1.00	ELY4: Edge Line Left (Yellow) @ 0.67	ELY6: Edge Line Left (Yellow) @ 1.00
MNY6: Median Nose (Yellow) @ 1.00	NPY4: No Passing Zone Line (Yellow) @ 0.84	NPY6: No Passing Zone Line (Yellow) @ 1.25
RLY4: Ramp Edge Line Left (Yellow) @ 0.67	RLY6: Ramp Edge Line Left (Yellow) @ 1.00	SLW2: Stop Line (White) @ 4.00
SPW4: Sloped Curb 4" (White) @ 2.16	SPW6: Sloped Curb 6" (White) @ 2.28	SPY4: Sloped Curb 4" (Yellow) @ 2.16
STY6: Standard Curb 6" (Yellow) @ 2.03	YLW2: Yield Line (White) @ 1.15	

BLW4: Broken Lane Line (White) @ 0.17
CHY8: Channelizing Line (Yellow) @ 1.33
DDY4: Double Dotted Line (Yellow) @ 0.44
DLY6: Dotted Line (Yellow) @ 0.33
LDW8: Lane Drop (White) @ 0.33
RLW4: Ramp Edge Line Right (White) @ 0.67
SLW4: Solid Lane Line (White) @ 0.67
SPY6: Sloped Curb 6" (Yellow) @ 2.28

BLW6: Broken Lane Line (White) @ 0.25
CHY10: Channelizing Line (Yellow) @ 1.67
DDY6: Double Dotted Line (Yellow) @ 0.67
ELW4: Edge Line Right (White) @ 0.67
LDW10: Lane Drop (White) @ 0.42
RLW6: Ramp Edge Line Right (White) @ 1.00
SLW6: Solid Lane Line (White) @ 1.00
STW6: Standard Curb 6" (Yellow) @ 2.03

Line No.	Road ID	Station From	Station To	Line Length (STA)	Lane	Marking Type	Left	Center	Right	Groove Marking Needed?	Groove Qty. (STA)	BLW6 (STA)	BLW6 Factored (STA)	ELW6 (STA)	ELW6 Factored (STA)	ELY6 (STA)	ELY6 Factored (STA)	SLW2 (STA)	SLW2 Factored (STA)	SLW6 (STA)	SLW6 Factored (STA)	Remarks
43.0	US 34-A		184+07.29	0.40	X-Over	Waterborne/Solvent Paint		X		Yes	1.60							0.40	1.60			SURFACE LIFT - PERM
44.0	US 34-A		184+07.29	2.80	Aux.	Waterborne/Solvent Paint			X	Yes	2.80									2.80	2.80	SURFACE LIFT - PERM
45.0	US 34-A		245+36.79	0.40	X-Over	Waterborne/Solvent Paint		X		Yes	1.60							0.40	1.60			SURFACE LIFT - PERM
46.0	US 34-A		261+31.40	0.40	X-Over	Waterborne/Solvent Paint		X		Yes	1.60							0.40	1.60			SURFACE LIFT - PERM
47.0	US 34-A		261+31.40	2.80	Aux.	Waterborne/Solvent Paint			X	Yes	2.80									2.80	2.80	SURFACE LIFT - PERM
48.0	US 34-A		278+80.41	0.40	X-Over	Waterborne/Solvent Paint		X		Yes	1.60							0.40	1.60			SURFACE LIFT - PERM
Road ID US 34-A:				864.88							477.39		202.2		808.88		808.88		44.8		44.8	
49.0	US 34-B	859+32.63	985+22.59	125.90	EB	Waterborne/Solvent Paint	X	X	X	No		125.90	31.48	125.90	125.90	125.90	125.90					SCARIFIED ROADWAY
50.0	US 34-B		896+65.45	0.40	X-Over	Waterborne/Solvent Paint		X		No								0.40	1.60			SCARIFIED ROADWAY
51.0	US 34-B		896+65.45	2.80	Aux.	Waterborne/Solvent Paint			X	No										2.80	2.80	SCARIFIED ROADWAY
52.0	US 34-B	859+32.63	985+22.59	125.90	EB	Waterborne/Solvent Paint	X	X	X	No		125.90	31.48	125.90	125.90	125.90	125.90					INTERMEDIATE LIFT
53.0	US 34-B		896+65.45	0.40	X-Over	Waterborne/Solvent Paint		X		No								0.40	1.60			INTERMEDIATE LIFT
54.0	US 34-B		896+65.45	2.80	Aux.	Waterborne/Solvent Paint			X	No										2.80	2.80	INTERMEDIATE LIFT
55.0	US 34-B	859+32.63	985+22.59	125.90	EB	Waterborne/Solvent Paint	X	X	X	No		125.90	31.48	125.90	125.90	125.90	125.90					SURFACE LIFT - TEMP
56.0	US 34-B		896+65.45	0.40	X-Over	Waterborne/Solvent Paint		X		No								0.40	1.60			SURFACE LIFT - TEMP
57.0	US 34-B		896+65.45	2.80	Aux.	Waterborne/Solvent Paint			X	No										2.80	2.80	SURFACE LIFT - TEMP
58.0	US 34-B	859+32.63	985+22.59	125.90	EB	Waterborne/Solvent Paint	X	X	X	Yes	283.28	125.90	31.48	125.90	125.90	125.90	125.90					SURFACE LIFT - PERM
59.0	US 34-B		896+65.45	0.40	X-Over	Waterborne/Solvent Paint		X		Yes	1.60							0.40	1.60			SURFACE LIFT - PERM
60.0	US 34-B		896+65.45	2.80	Aux.	Waterborne/Solvent Paint			X	Yes	2.80									2.80	2.80	SURFACE LIFT - PERM
Road ID US 34-B:				516.4							287.68		125.92		503.6		503.6		6.4		11.2	
61.0	US 34-C	48+74.30	107+81.59	59.07	WB	Waterborne/Solvent Paint	X	X	X	No		59.07	14.77	59.07	59.07	59.07	59.07					SCARIFIED ROADWAY
62.0	US 34-C		88+40.68	0.40	X-Over	Waterborne/Solvent Paint		X		No								0.40	1.60			SCARIFIED ROADWAY
63.0	US 34-C		88+40.68	2.80	Aux.	Waterborne/Solvent Paint			X	No										2.80	2.80	SCARIFIED ROADWAY
64.0	US 34-C	48+74.30	107+81.59	59.07	WB	Waterborne/Solvent Paint	X	X	X	No		59.07	14.77	59.07	59.07	59.07	59.07					INTERMEDIATE

Road ID US 34-C:

PAVEMENT MARKING LINE TYPES

Line factors based on 6-inch wide continuous line.
 *BCY4 - Place on the same side of the roadway to match existing markings near the project.
 **NPY4 - Estimating purposes only. No Passing Zone Lines will be located in the field.
 ***MNY6 - Factor of 1.00 includes number of 6-inch passes to cover median nose area.

CBY4: Broken Centerline (Yellow) @ 0.17	BCY6: Broken Centerline (Yellow) @ 0.25	BLC6: Broken Line Contrast (White/Black) @ 0.50	BLW4: Broken Lane Line (White) @ 0.17	BLW6: Broken Lane Line (White) @ 0.25
CBW6: Crosswalk Bar (White) @ 10.00	CHW8: Channelizing Line (White) @ 1.33	CHW10: Channelizing Line (White) @ 1.67	CHY8: Channelizing Line (Yellow) @ 1.33	CHY10: Channelizing Line (Yellow) @ 1.67
CLW6: Crosswalk Line (White) @ 2.00	DCY4: Double Centerline (Yellow) @ 1.34	DCY6: Double Centerline (Yellow) @ 2.00	DDY4: Double Dotted Line (Yellow) @ 0.44	DDY6: Double Dotted Line (Yellow) @ 0.67
DLW4: Dotted Line (White) @ 0.22	DLW6: Dotted Line (White) @ 0.33	DLY4: Dotted Line (Yellow) @ 0.22	DLY6: Dotted Line (Yellow) @ 0.33	ELW4: Edge Line Right (White) @ 0.67
ELW6: Edge Line Right (White) @ 1.00	ELY4: Edge Line Left (Yellow) @ 0.67	ELY6: Edge Line Left (Yellow) @ 1.00	LDW8: Lane Drop (White) @ 0.33	LDW10: Lane Drop (White) @ 0.42
MNY6: Median Nose (Yellow) @ 1.00	NPY4: No Passing Zone Line (Yellow) @ 0.84	NPY6: No Passing Zone Line (Yellow) @ 1.25	RLW4: Ramp Edge Line Right (White) @ 0.67	RLW6: Ramp Edge Line Right (White) @ 1.00
RLY4: Ramp Edge Line Left (Yellow) @ 0.67	RLY6: Ramp Edge Line Left (Yellow) @ 1.00	SLW2: Stop Line (White) @ 4.00	SLW4: Solid Lane Line (White) @ 0.67	SLW6: Solid Lane Line (White) @ 1.00
SPW4: Sloped Curb 4" (White) @ 2.16	SPW6: Sloped Curb 6" (White) @ 2.28	SPY4: Sloped Curb 4" (Yellow) @ 2.16	SPY6: Sloped Curb 6" (Yellow) @ 2.28	STW6: Standard Curb 6" (Yellow) @ 2.03
STY6: Standard Curb 6" (Yellow) @ 2.03	YLW2: Yield Line (White) @ 1.15			

Line No.	Road ID	Station From	Station To	Line Length (STA)	Lane	Marking Type	Left	Center	Right	Groove Marking Needed?	Groove Qty. (STA)	BLW6 (STA)	BLW6 Factored (STA)	ELW6 (STA)	ELW6 Factored (STA)	ELY6 (STA)	ELY6 Factored (STA)	SLW2 (STA)	SLW2 Factored (STA)	SLW6 (STA)	SLW6 Factored (STA)	Remarks
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Total:	1630.36	902.38	387.2	1548.76	1548.76	57.6	67.2
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108_22
11/25/25

PAVEMENT MARKING LINE TYPES

Line factors based on 6-inch wide continuous line.
*BCY4 - Place on the same side of the roadway to match existing markings near the project.
**NPY4 - Estimating purposes only. No Passing Zone Lines will be located in the field.
***MNY6 - Factor of 1.00 includes number of 6-inch passes to cover median nose area.

BCY4: Broken Centerline (Yellow) @ 0.17
CBW6: Crosswalk Bar (White) @ 10.00
CLW6: Crosswalk Line (White) @ 2.00
DLW4: Dotted Line (White) @ 0.22
ELW6: Edge Line Right (White) @ 1.00
MNY6: Median Nose (Yellow) @ 1.00
RLY4: Ramp Edge Line Left (Yellow) @ 0.67
SPW4: Sloped Curb 4" (White) @ 2.16
STY6: Standard Curb 6" (Yellow) @ 2.03

BCY6: Broken Centerline (Yellow) @ 0.25
CHW8: Channelizing Line (White) @ 1.33
DCY4: Double Centerline (Yellow) @ 1.34
DLW6: Dotted Line (White) @ 0.33
ELY4: Edge Line Left (Yellow) @ 0.67
NPY4: No Passing Zone Line (Yellow) @ 0.84
RLY6: Ramp Edge Line Left (Yellow) @ 1.00
SPW6: Sloped Curb 6" (White) @ 2.28
YLW2: Yield Line (White) @ 1.15

BLC6: Broken Line Contrast (White/Black) @ 0.50
CHW10: Channelizing Line (White) @ 1.67
DCY6: Double Centerline (Yellow) @ 2.00
DLY4: Dotted Line (Yellow) @ 0.22
ELY6: Edge Line Left (Yellow) @ 1.00
NPY6: No Passing Zone Line (Yellow) @ 1.25
SLW2: Stop Line (White) @ 4.00
SPY4: Sloped Curb 4" (Yellow) @ 2.16

BLW4: Broken Lane Line (White) @ 0.17
CHY8: Channelizing Line (Yellow) @ 1.33
DDY4: Double Dotted Line (Yellow) @ 0.44
DLY6: Dotted Line (Yellow) @ 0.33
LDW8: Lane Drop (White) @ 0.33
RLW4: Ramp Edge Line Right (White) @ 0.67
SLW4: Solid Lane Line (White) @ 0.67
SPY6: Sloped Curb 6" (Yellow) @ 2.28

BLW6: Broken Lane Line (White) @ 0.25
CHY10: Channelizing Line (Yellow) @ 1.67
DDY6: Double Dotted Line (Yellow) @ 0.67
ELW4: Edge Line Right (White) @ 0.67
LDW10: Lane Drop (White) @ 0.42
RLW6: Ramp Edge Line Right (White) @ 1.00
SLW6: Solid Lane Line (White) @ 1.00
STW6: Standard Curb 6" (Yellow) @ 2.03

Line No.	Road ID	Station From	Station To	Line Length (STA)	Lane	Marking Type	Left	Center	Right	Groove Marking Needed?	Groove Qty. (STA)	BLW6 (STA)	BLW6 Factored (STA)	ELW6 (STA)	ELW6 Factored (STA)	ELY6 (STA)	ELY6 Factored (STA)	SLW2 (STA)	SLW2 Factored (STA)	SLW6 (STA)	SLW6 Factored (STA)	Remarks
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FILE NO.

ENGLISH

DESIGN TEAM

McElmeel\Klein\Freitag

JEFFERSON COUNTY

PROJECT NUMBER

NHSN-034-8(162) - -2R-51

SHEET NUMBER

C.14

7/2/2026 1:28:33 PM

ryan.freitag@lowadot.us

PAVEMENT MARKING SYMBOLS AND LEGENDS							108 29 4/15/25
Refer to PM-111							
Line No.	Roadway Identification	Station	Side	Pavement Symbol	Quantity (EA)	Groove Marking Needed?	Remarks
1.0	US 34-A	152+18.86	Left	LTAW	2	Yes	Left Turn Aux. Lane
2.0	US 34-A	152+18.86	Left	ONLW	1	Yes	Left Turn Lane "ONLY"
3.0	US 34-A	261+31.40	Left	LTAW	2	Yes	Left Turn Aux. Lane
4.0	US 34-A	261+31.40	Left	ONLW	1	Yes	Left Turn Lane "ONLY"
5.0	US 34-B	896+65.45	Left	LTAW	2	Yes	Left Turn Aux. Lane
6.0	US 34-B	896+65.45	Left	ONLW	1	Yes	Left Turn Lane "ONLY"
Total:					9		

111_02
8/15/22

TABULATION OF REVISIONS

DELIVERY AND STOCKPILING							110_13 8/15/22
Line No.	Item Description	Quantity	Quantity Units	Delivery Location	Contact Name	Contact Number	Remarks
1.0	RAP	6977	Tons	See Note #1	Jeremy Orr	319-201-0817	
2.0	RAP	4360	Tons	See Note #1	Jeremy Orr	319-201-0817	
3.0	RAP	2075	Tons	See Note #2	Jeremy Orr	319-201-0817	
Total:		13412					

Note #1 Delivery Location - Fairfield, Iowa DOT Garage.
Note #2 Delivery Location - Mount Pleasant, Iowa DOT Garage.

112_09
4/21/26

SHOULDERS

(1) Lane(s) to which the shoulder is adjacent.
(2) See Typ. 7156, 7157, or 7158.
(3) Bid Item.
(4) Applies only for Paved Shoulders constructed on project with existing granular shoulders.
(5) Bid Item. Typ. 7156, 7157, or 7158.
(6) Does not include shrink.
(7) Paved shoulder thickness specified in Remarks.
(8) Subbase type specified in Remarks.

Roadway Identification	Direction of Travel (1)	Station From	Station To	Side	P Width (FT)	P SG Width (2) (FT)	G Width (FT)	L Length (FT)	Class 13 Excavation (CY)(3)(4)	HMA (TON)	HMA (TON/ STA)	Binder (TONS)	Paved Shoulder (3) (SY)	Shoulder at Grd rail (5)(7)	Reinforced Paved Shoulder(3) (SY)	Special Backfill HMA Alt. (3) (TON)	Special Backfill HMA Alt. (TON/STA)	Special Backfill PCC Alt. (3) (TON)	Special Backfill PCC Alt. (TON/STA)	Pavement Scarifica tion (SY)	Polymer Grid (SY)	Subbase (3) (8) (CY)	Granular Shoulder (3) (TON)	Granular Shoulder (TON/STA)	Shoulder Const. Alt (3) (STA)	Shoulder Const. Alt HMA (6) (CY)	Shoulder Const. Alt PCC (6) (CY)	Remarks
US 34-A	EB	98+13.00	177+16.61	Right	4			7903.61															829.879	10.500	79.04			
US 34-A	EB	98+13.00	111+93.24	Left	2			1380.24															144.925	10.500	13.80			
US 34-A	EB	113+07.71	148+98.76	Left	2			3591.05															377.060	10.500	35.91			
US 34-A	EB	152+70.23	170+34.68	Left	2			1764.45															185.267	10.500	17.64			
US 34-A	EB	174+29.45	177+16.51	Left	2			287.06															30.141	10.500	2.87			
US 34-A	EB	180+59.35	300+35.00	Right	4			11975.65															1257.443	10.500	119.76			
US 34-A	EB	180+59.48	181+36.80	Left	2			77.32															8.119	10.500	0.77			
US 34-A	EB	184+63.43	245+05.17	Left	2			6041.74															634.383	10.500	60.42			
US 34-A	EB	245+66.14	257+91.36	Left	2			1225.22															128.648	10.500	12.25			
US 34-A	EB	262+22.34	278+06.36	Left	2			1584.02															166.322	10.500	15.84			
US 34-A	EB	279+42.02	300+35.00	Left	2			2092.98															219.763	10.500	20.93			
US34-B	EB	859+32.63	861+62.45	Right	4			229.82															24.131	10.500	2.30			
US34-B	EB	859+32.63	861+63.06	Left	2			230.43															24.195	10.500	2.30			
US34-B	EB	864+17.32	985+22.50	Right	4			12105.18															1271.044	10.500	121.05			
US34-B	EB	864+17.44	893+21.53	Left	2			2904.09															304.929	10.500	29.04			
US34-B	EB	898+11.12	985+22.59	Left	2			8711.47																		87.11		
																								10.500				
US34-C	WB	48+74.30	87+33.32	Right	2			3859.02															405.197	10.500	38.59			
US34-C	WB	48+74.32	107+81.56	Left	4			5907.24															620.260	10.500	59.07			
US34-C	WB	91+96.23	107+81.58	Right	2			1585.35																		15.85		

Total:

6631.706

US 34-A and US-34B Right is outer shoulder, Left is inner shoulder.
US34-C Right is inner shoulder, Left is outer shoulder.

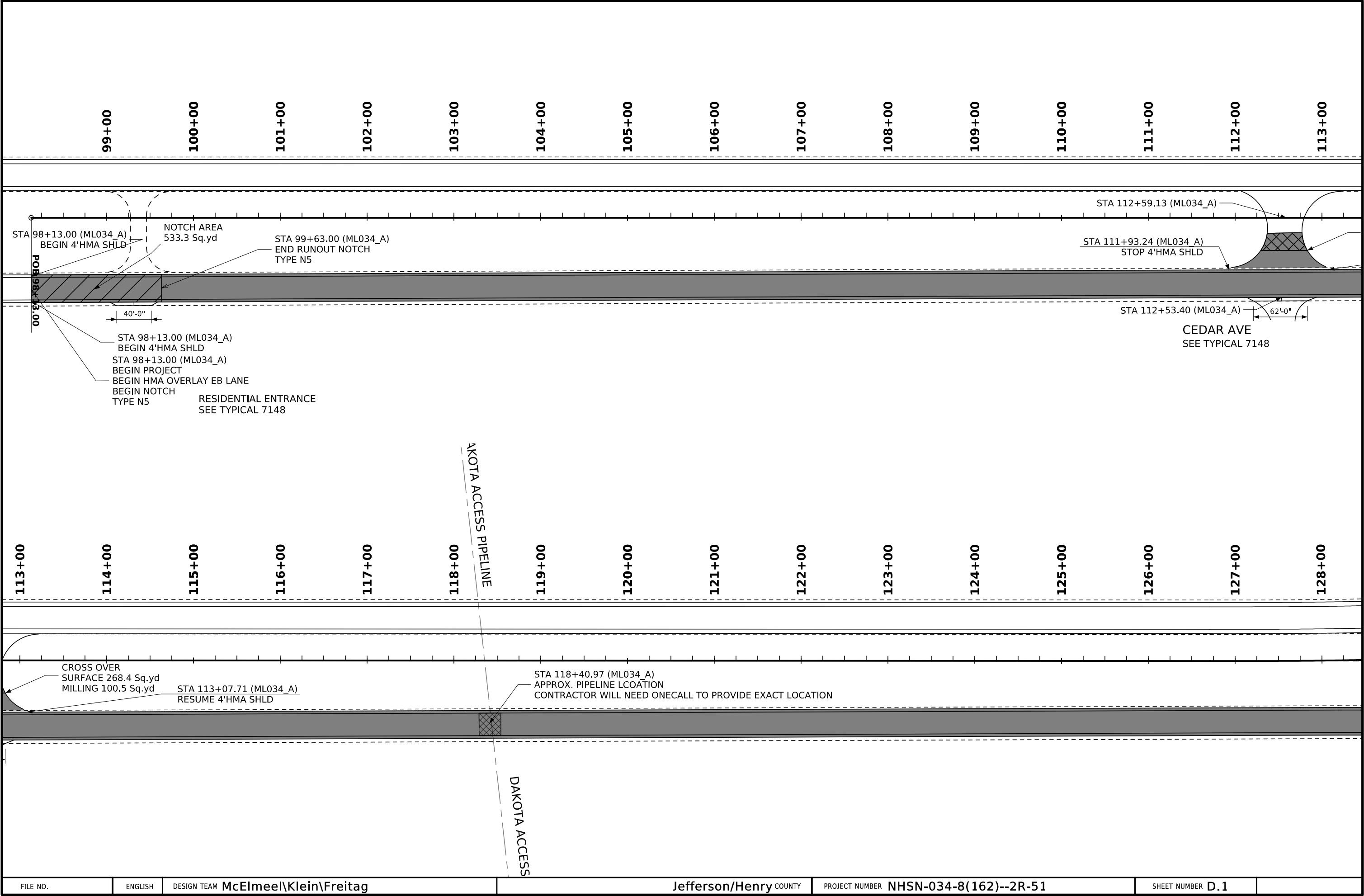
Line No.	Road Identification	Station From	Station To	Shoulder Pavement Type	Rumble Strip Lane	Rumble Strip Type	Fog Seal Type	L (IN)	PCC Length (STA)	HMA Length (STA)	Fog Seal* Shoulder (GAL)	Fog Seal (SY)**	Effective Shoulder Width PCC (FT)	Effective Shoulder Width HMA (FT)	Effective Shoulder Width Granular\Earth (FT)	Remarks
1.0	US 34-A	98+13.00	175+01.21	HMA	Right Shoulder	Milled	Asphalt Emulsion			76.88	83.3	1281.3			4.0	
2.0	US 34-A	180+59.35	300+35.00		Right Shoulder	Milled	Asphalt Emulsion								4.0	
3.0	US 34-A	98+13.00	175+01.21	HMA	Left Shoulder	Milled	Asphalt Emulsion			76.88	83.3	1281.3			4.0	
4.0	US 34-A	180+59.35	300+35.00		Left Shoulder	Milled	Asphalt Emulsion								4.0	
5.0																
6.0	US 34-B	859+32.63	985+22.54	HMA	Right Shoulder	Milled	Asphalt Emulsion			125.90	136.4	2098.3			4.0	
7.0	US 34-B	859+32.63	985+22.54	HMA	Left Shoulder	Milled	Asphalt Emulsion			125.90	136.4	2098.3			4.0	
8.0																
9.0	US 34-C	48+74.30	107+81.59	HMA	Right Shoulder	Milled	Asphalt Emulsion			59.07	64.0	984.5			4.0	
10.0	US 34-C	48+74.30	107+81.59	HMA	Left Shoulder	Milled	Asphalt Emulsion			59.07	64.0	984.5			4.0	
Total:										523.7	567.4	8728.2				

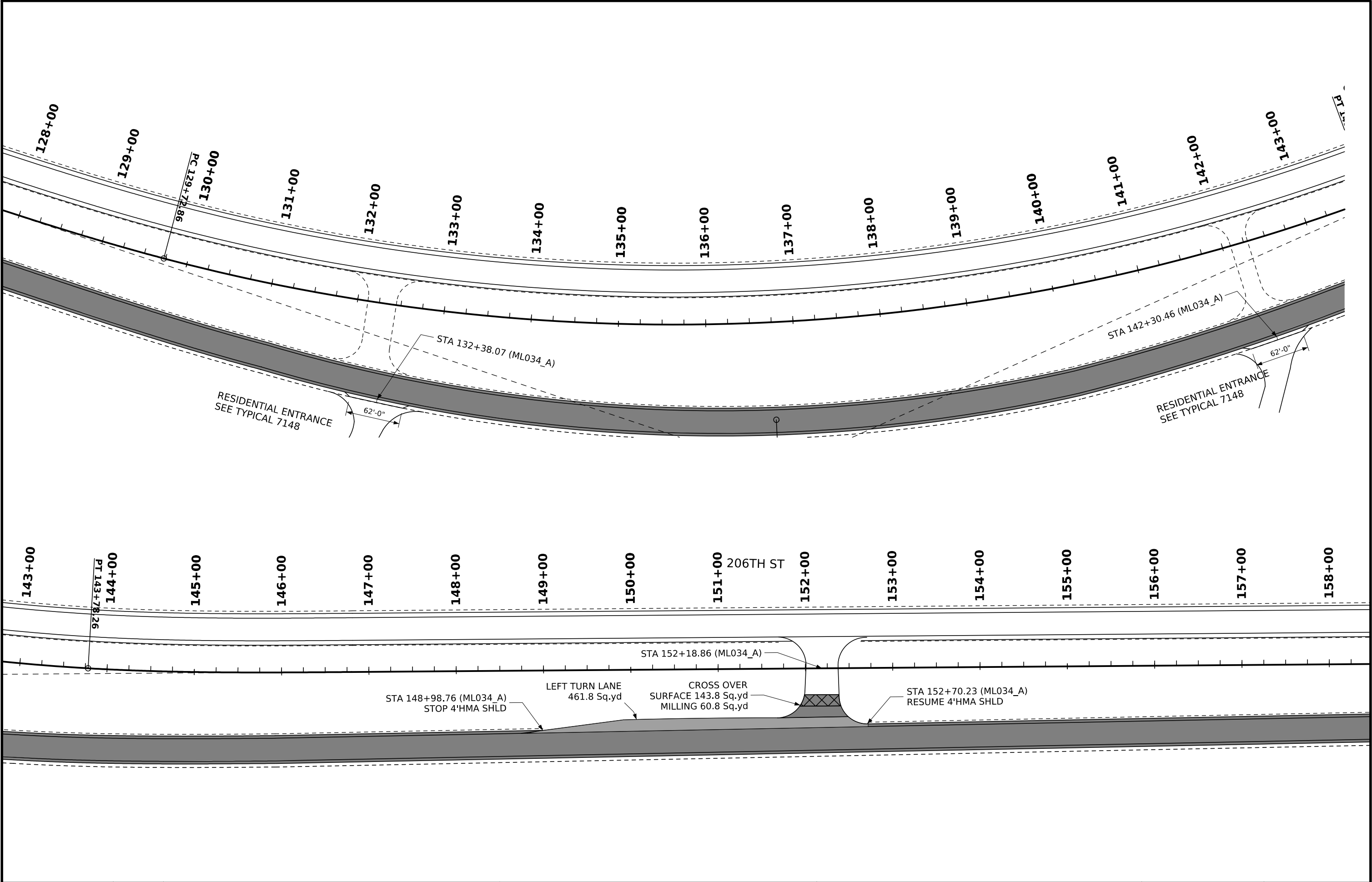
FULL-DEPTH PATCHES																					102_06C 4/21/26
Line No.	Count	Station	Reference Location Sign	Direction of Travel	Side	Length (FT)	Width (FT)	Patch Thickness (IN)	Patch Repair or Finish	PCC Patch Type	PCC Patch Quantity (SY)	HMA Patches (SY)	Composite HMA (TON)	Subbase Patches (PR-140) (SY)	Subbase Patch with 'EF' Joint (PR-101) (SY)	Patch Subdrain PR-101 or PR-140 (No.)	'CD' Joints (No.)	'CT' Joints (No.)	'EF' Joints PR-101 (No.)	Anchor Lugs Removal (No.)	Remarks
1.0	1	88+40.68		SB	Center			12.0	Finish	PCC Without Dowels (PR-102)	9.3										Rmvl raised Island / Benton

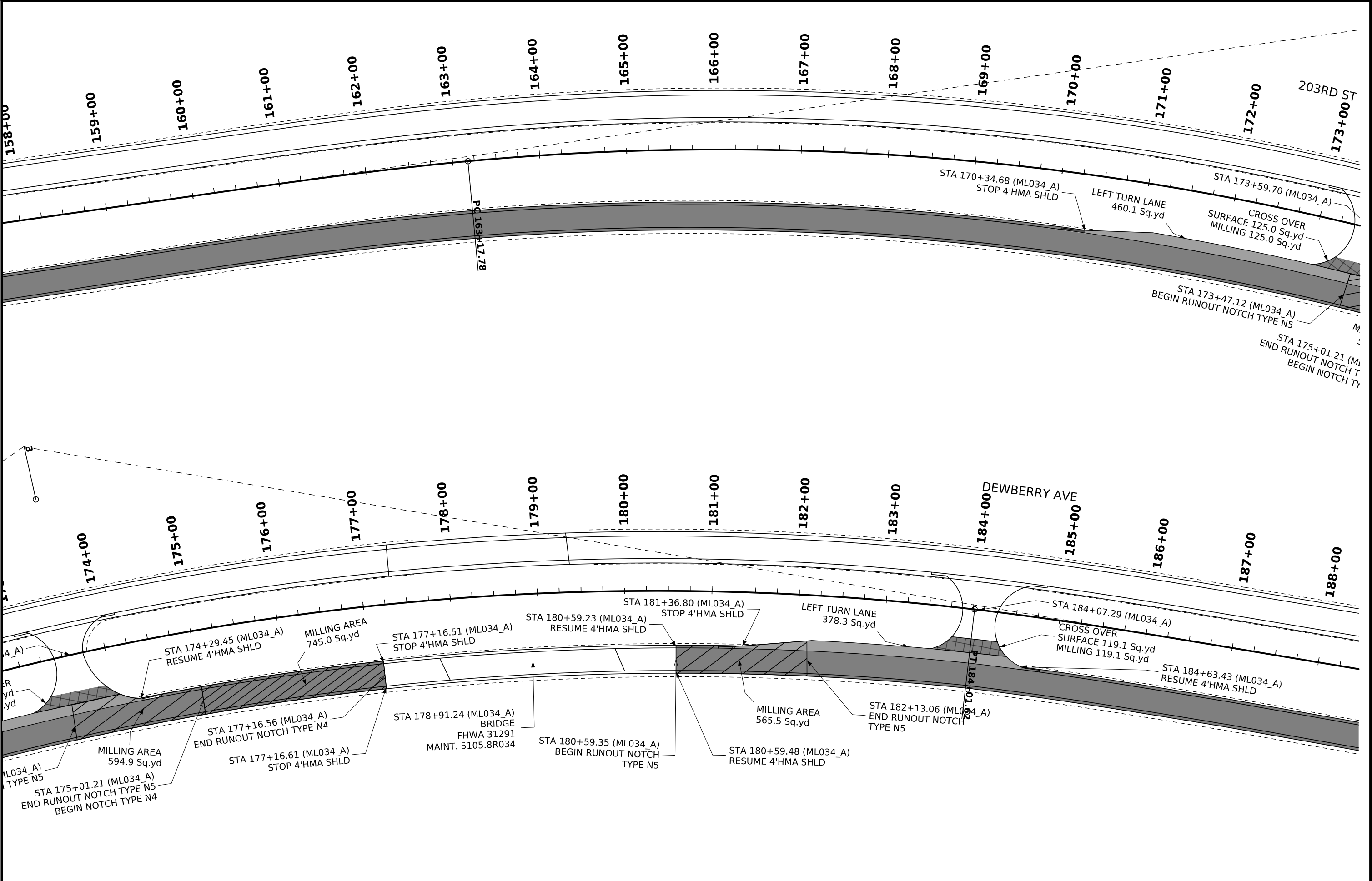
262_06
9/28/22

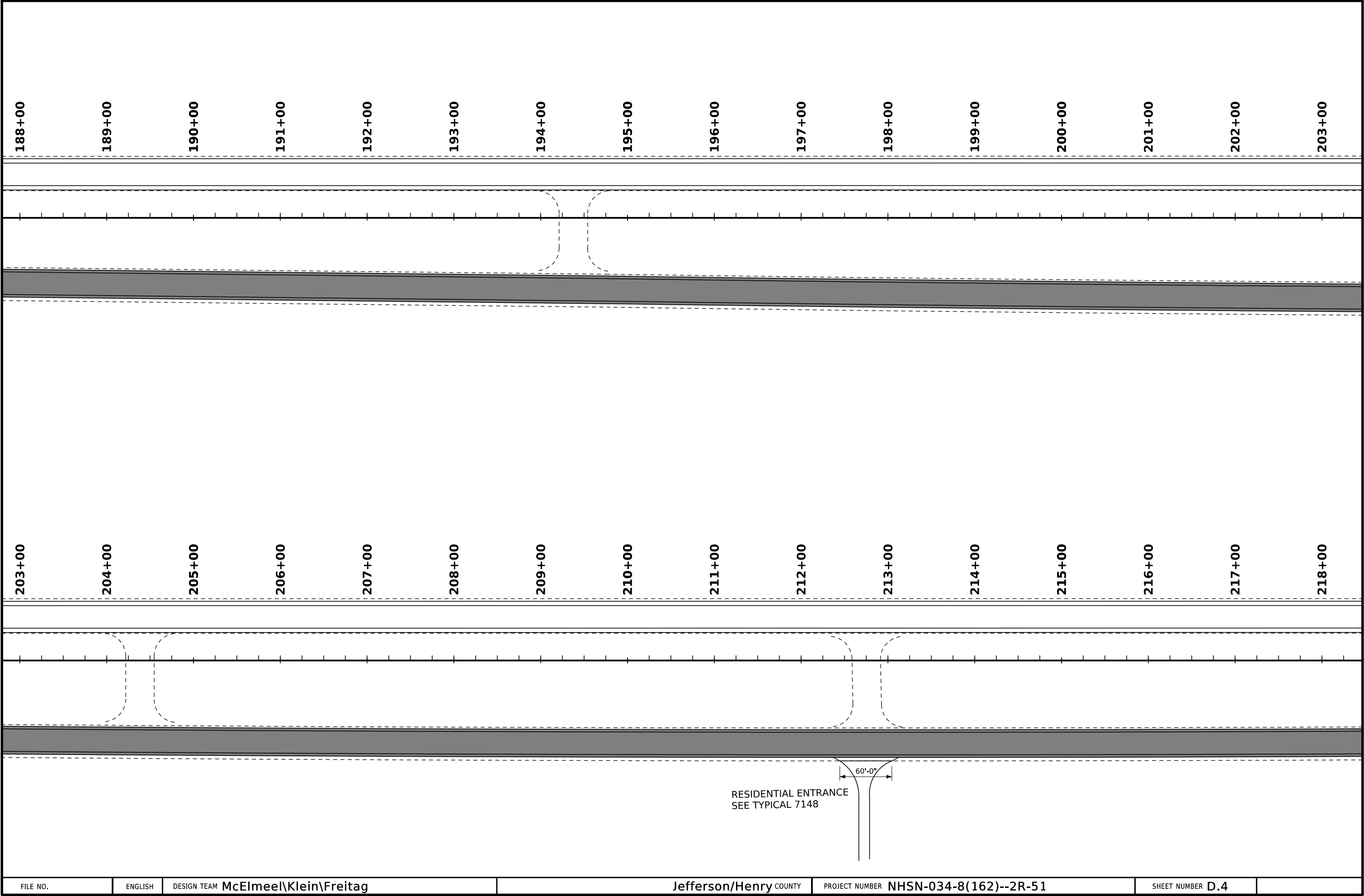
UTILITIES (NOT A POINT 25 PROJECT)

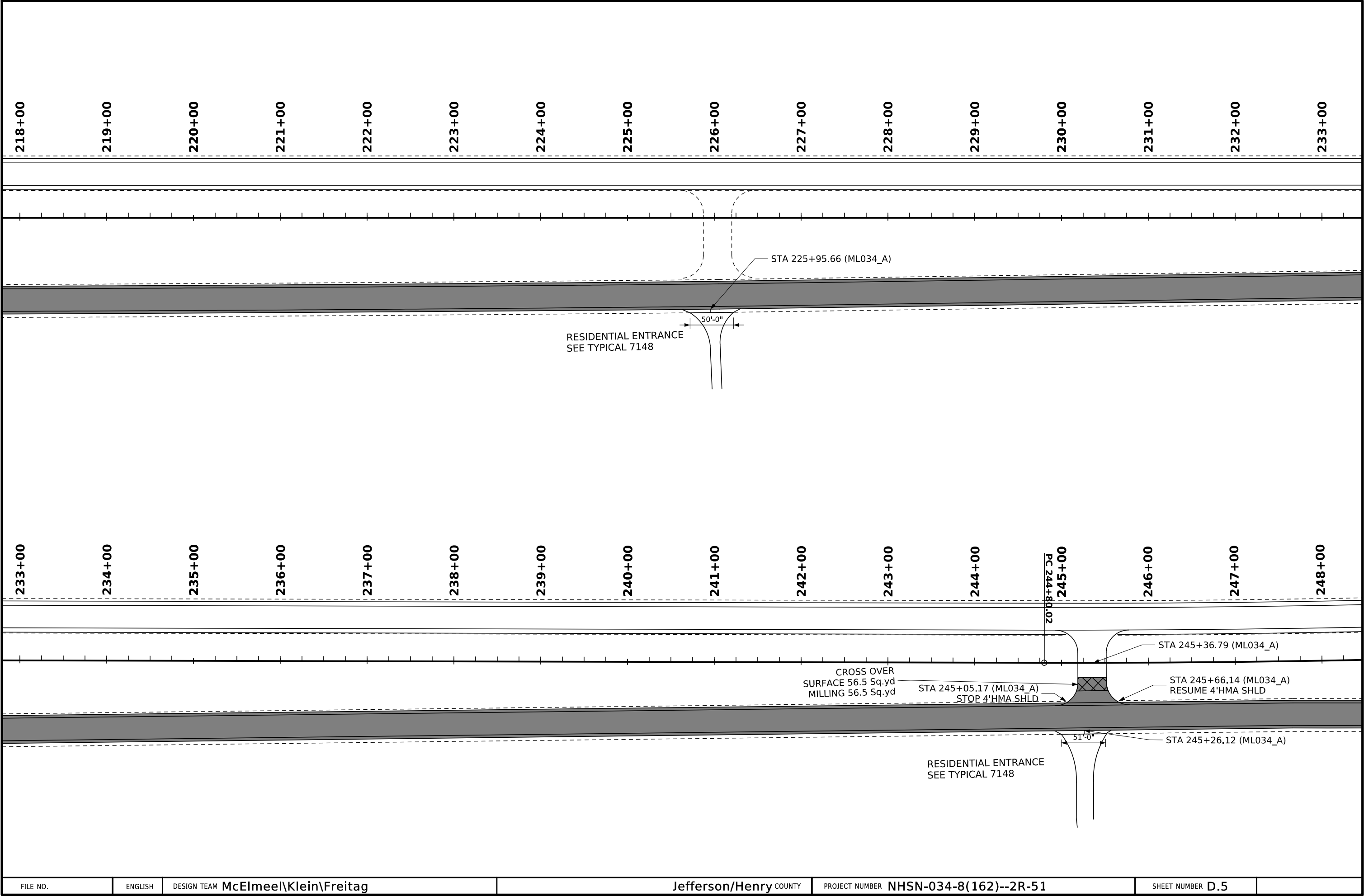
This is NOT a POINT 25 project and is not subject to the provisions of IAC 761-115.25.

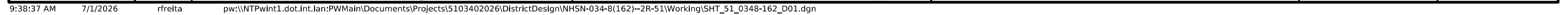


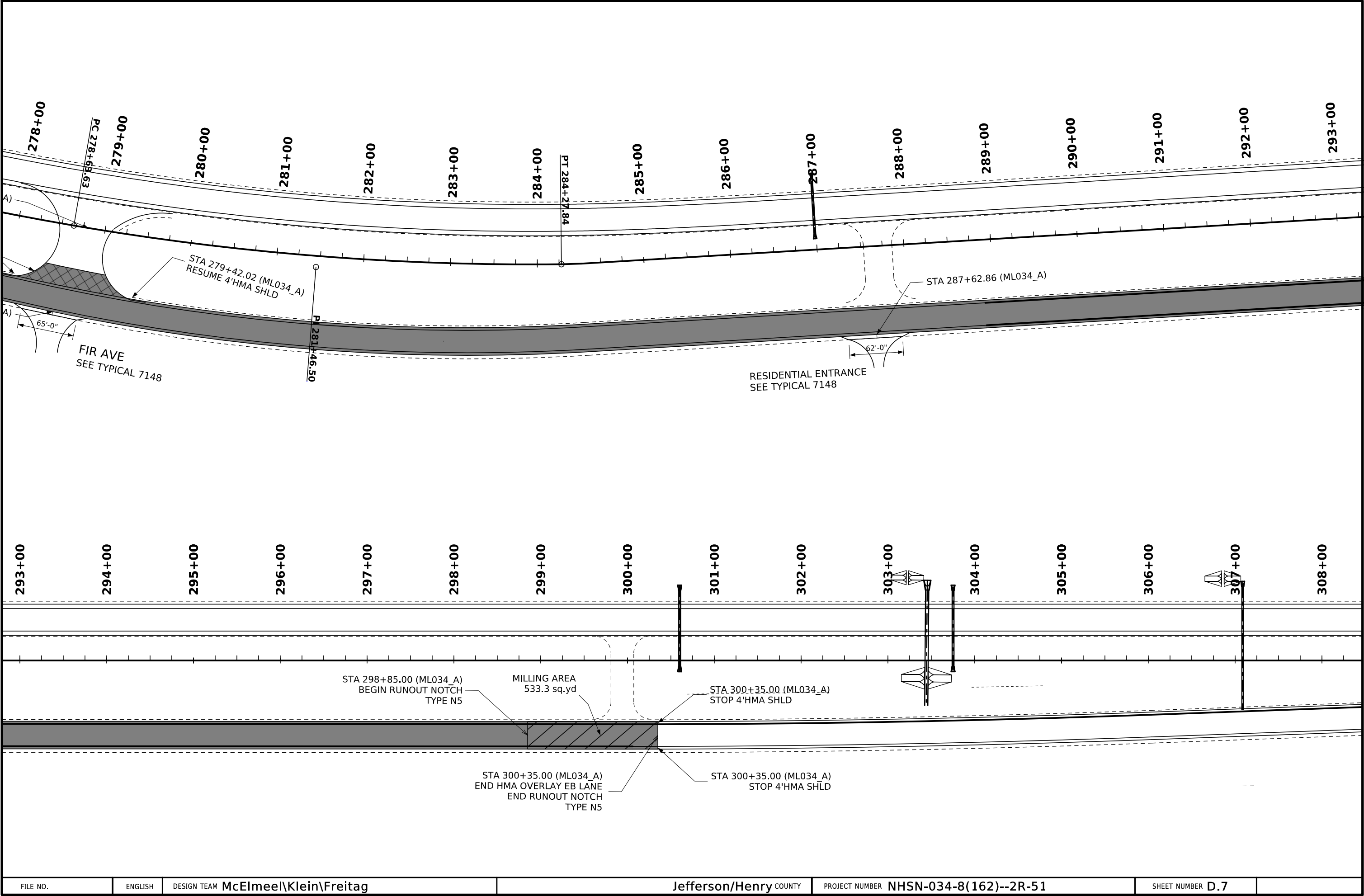


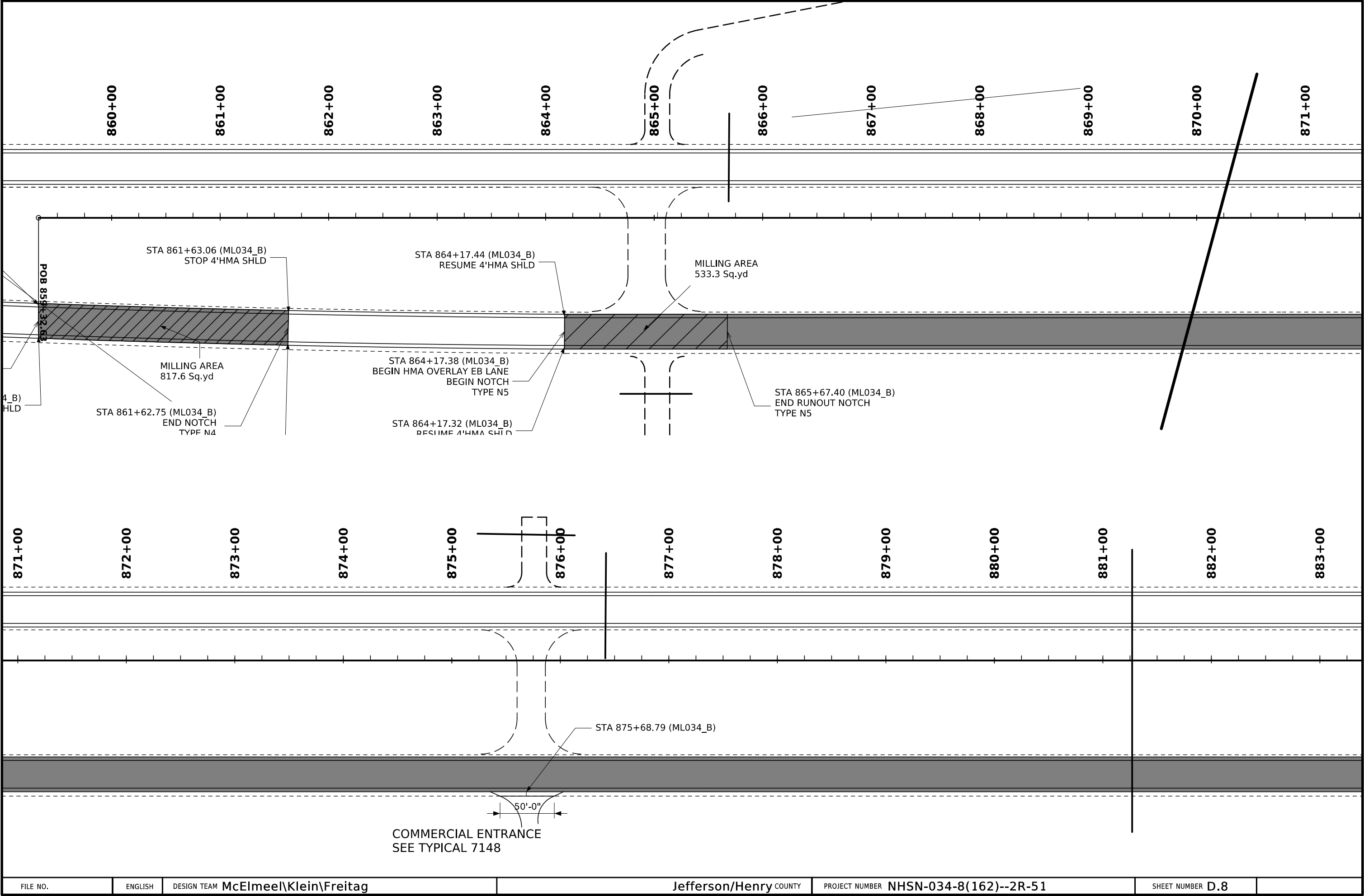


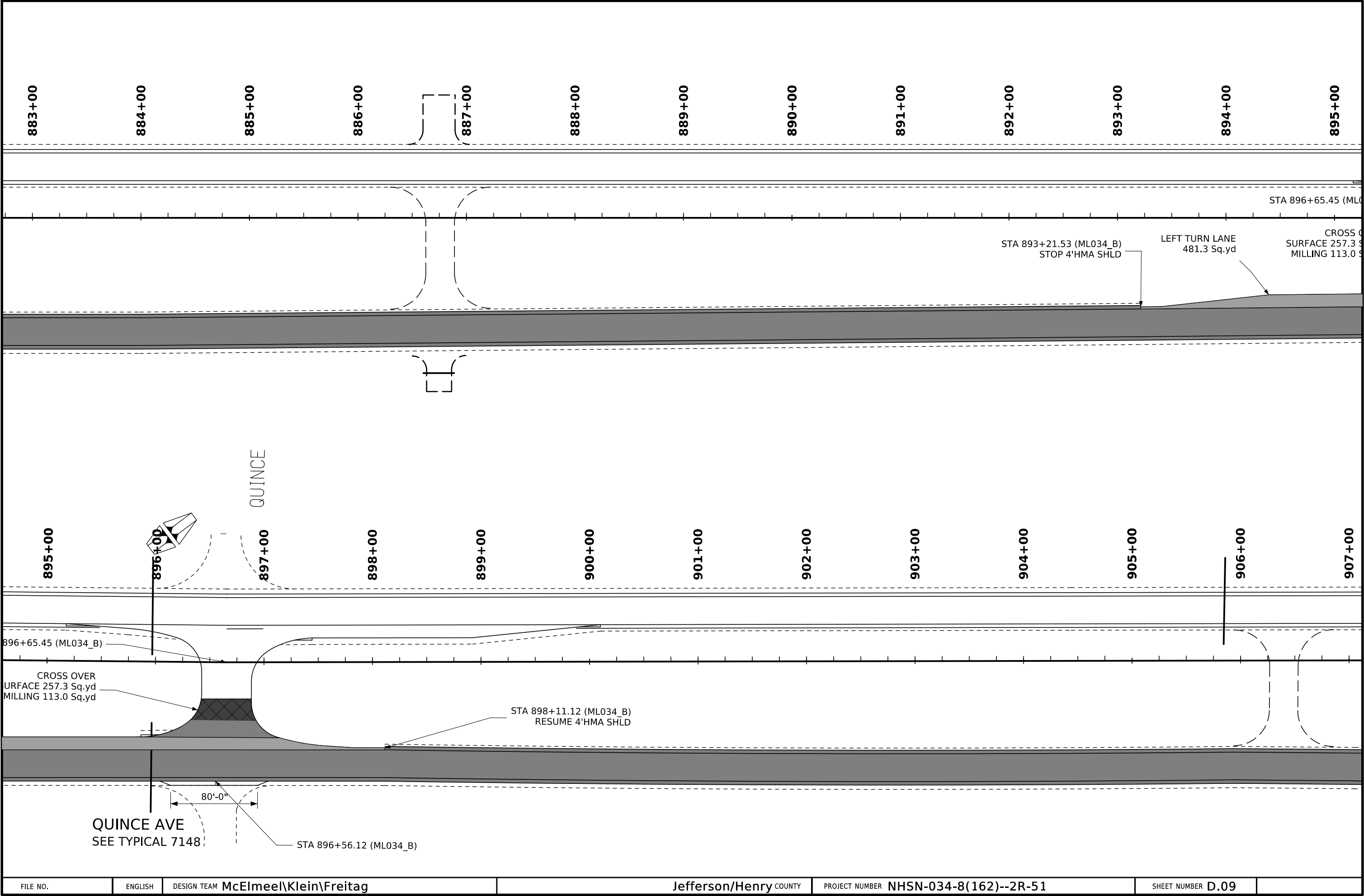


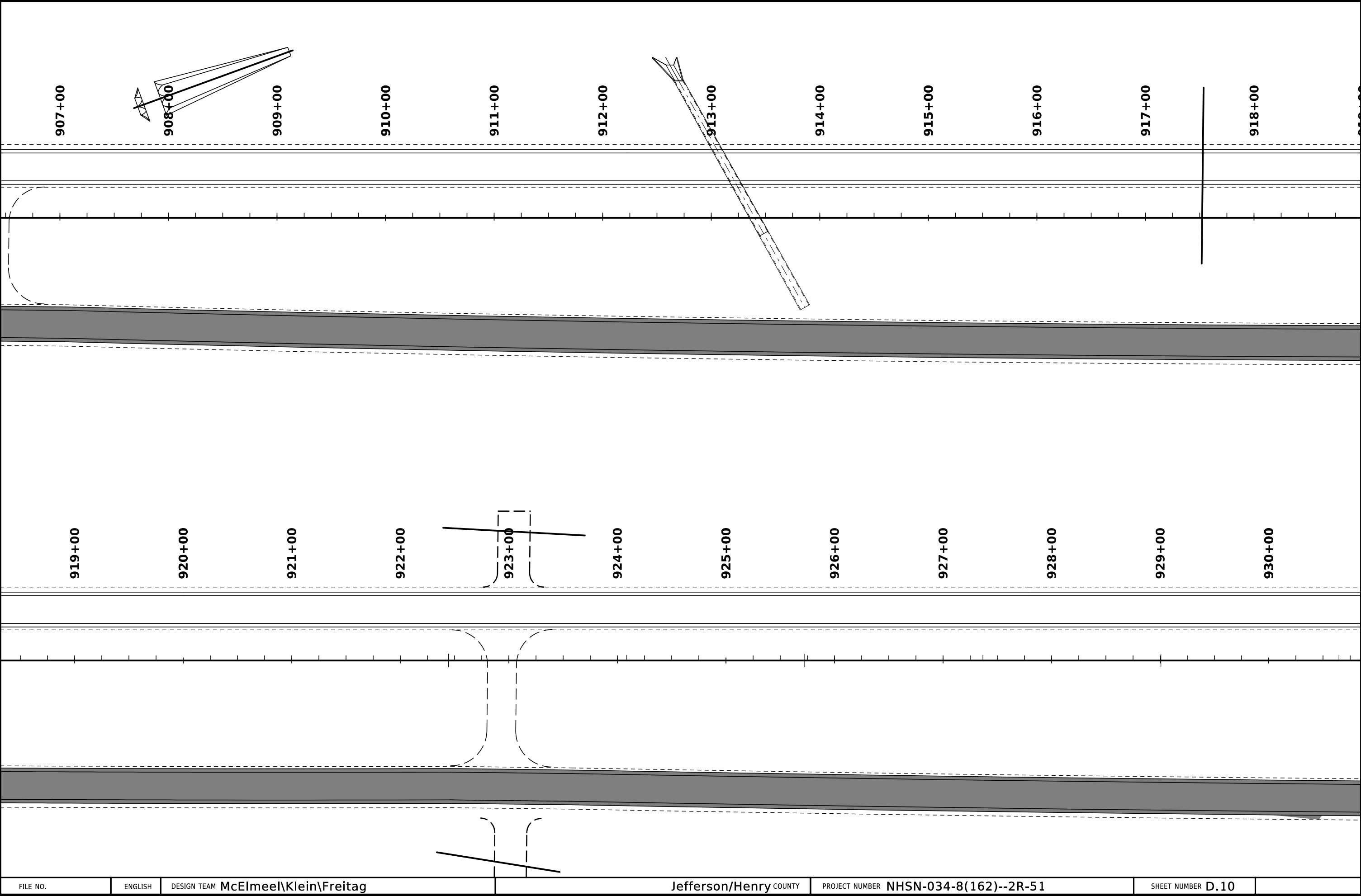


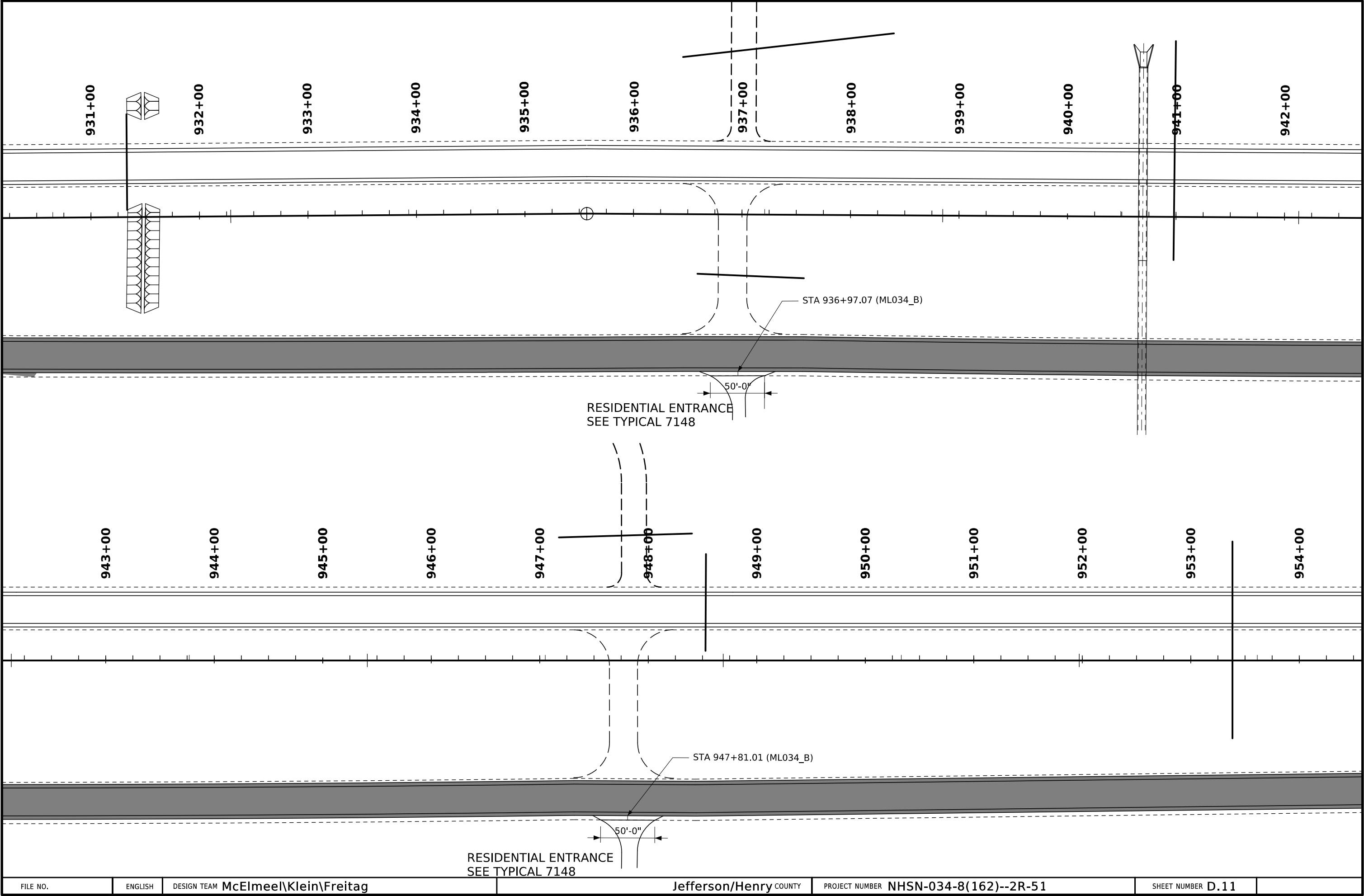


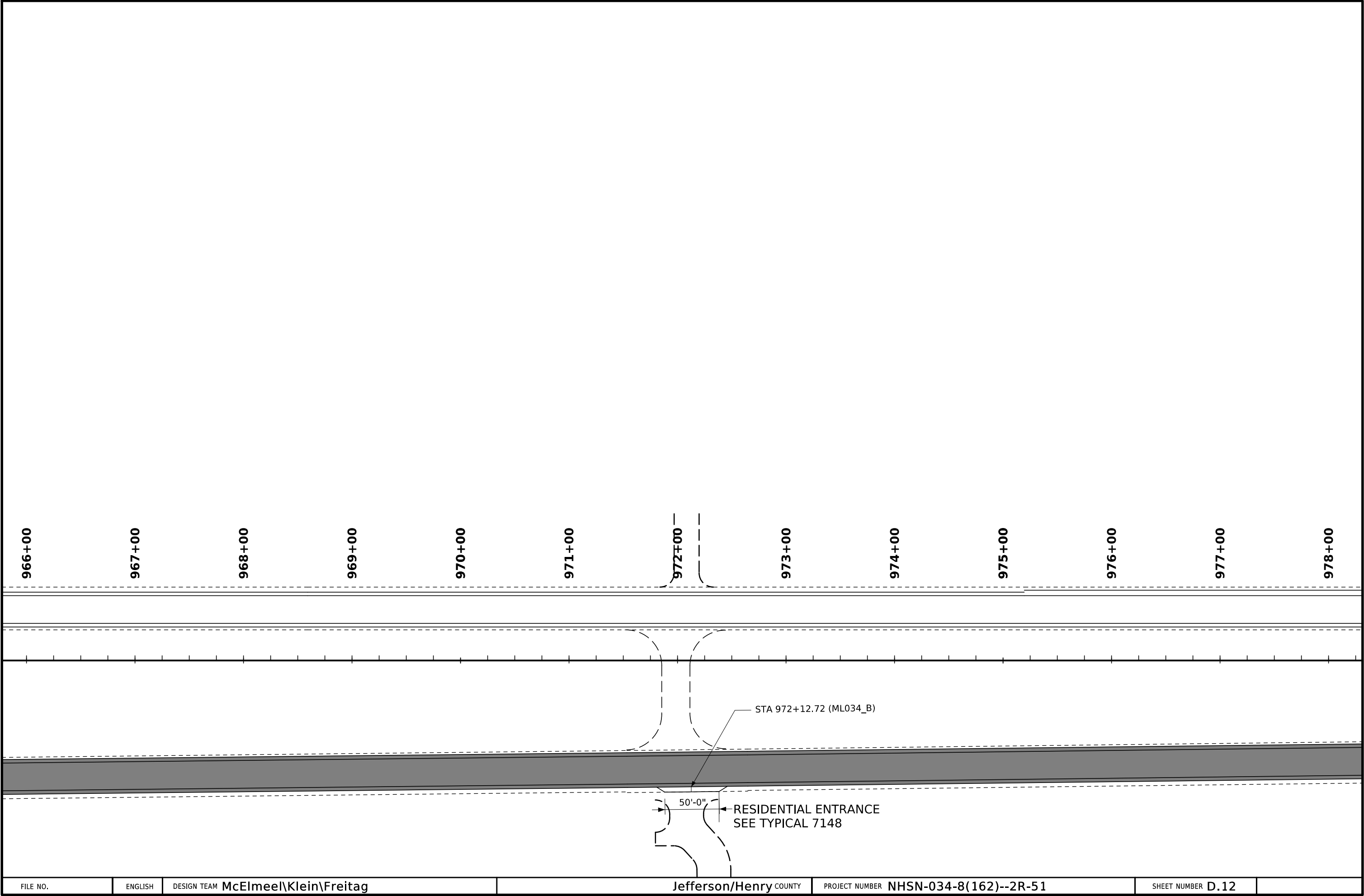


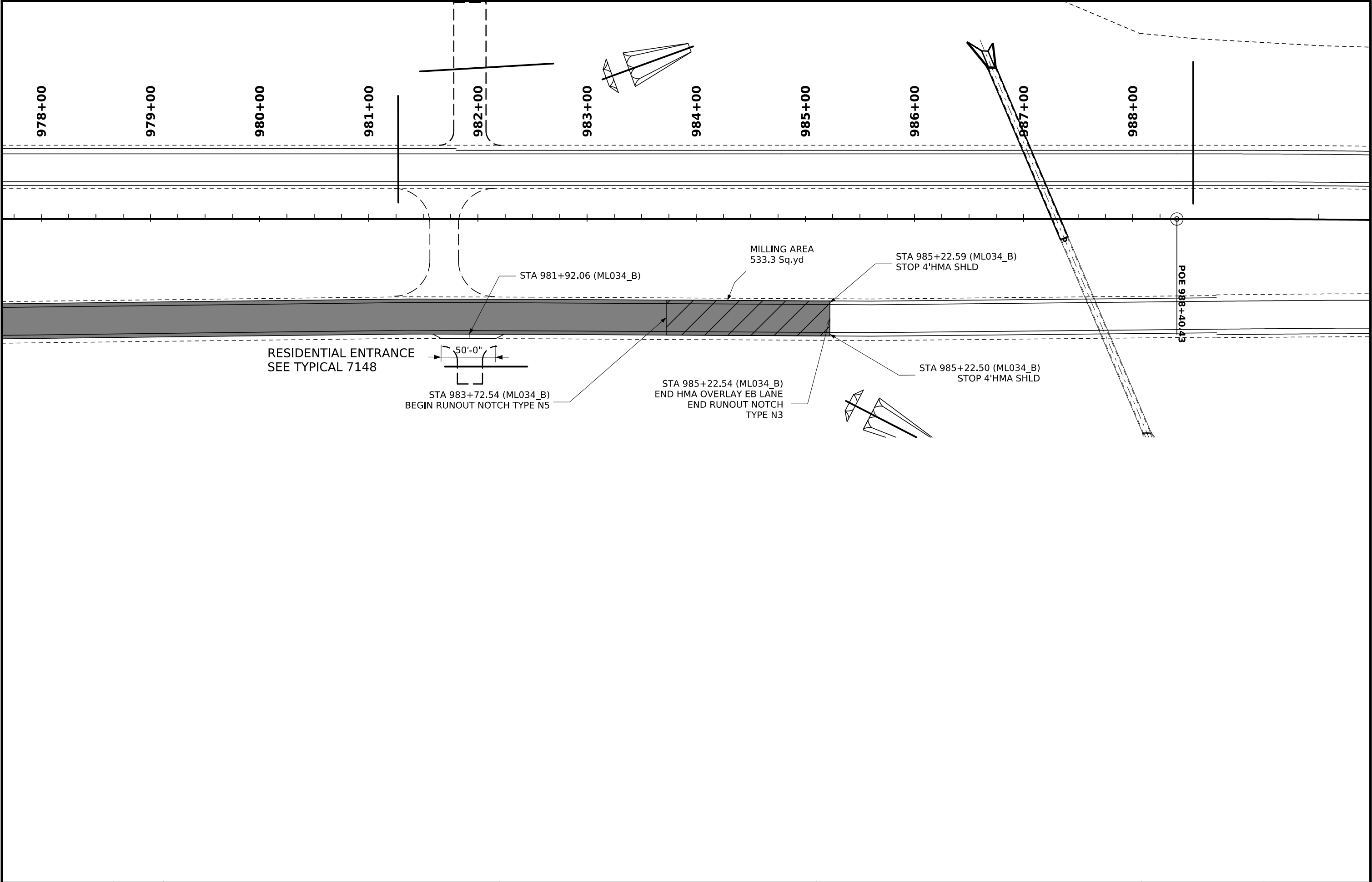


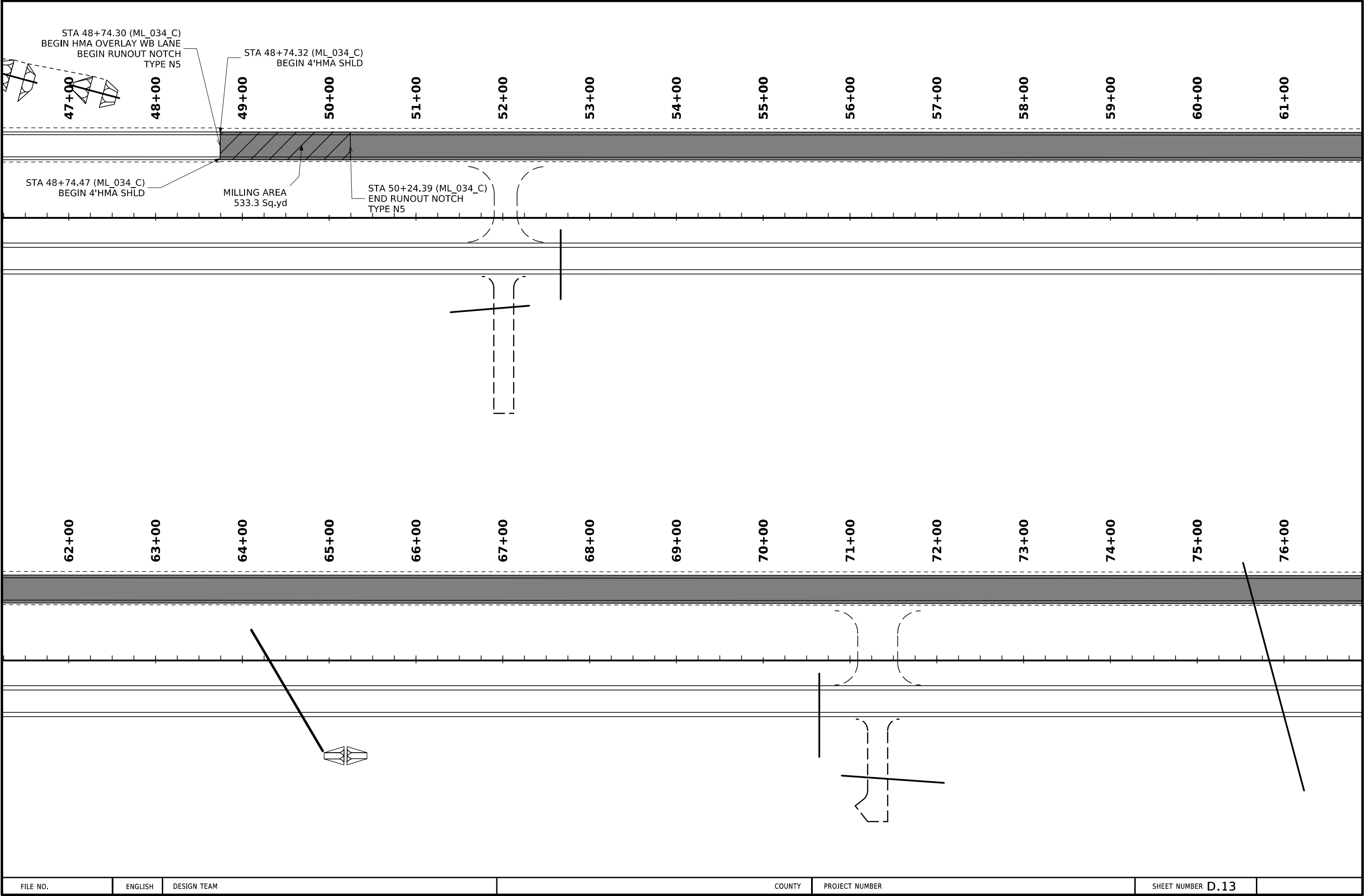


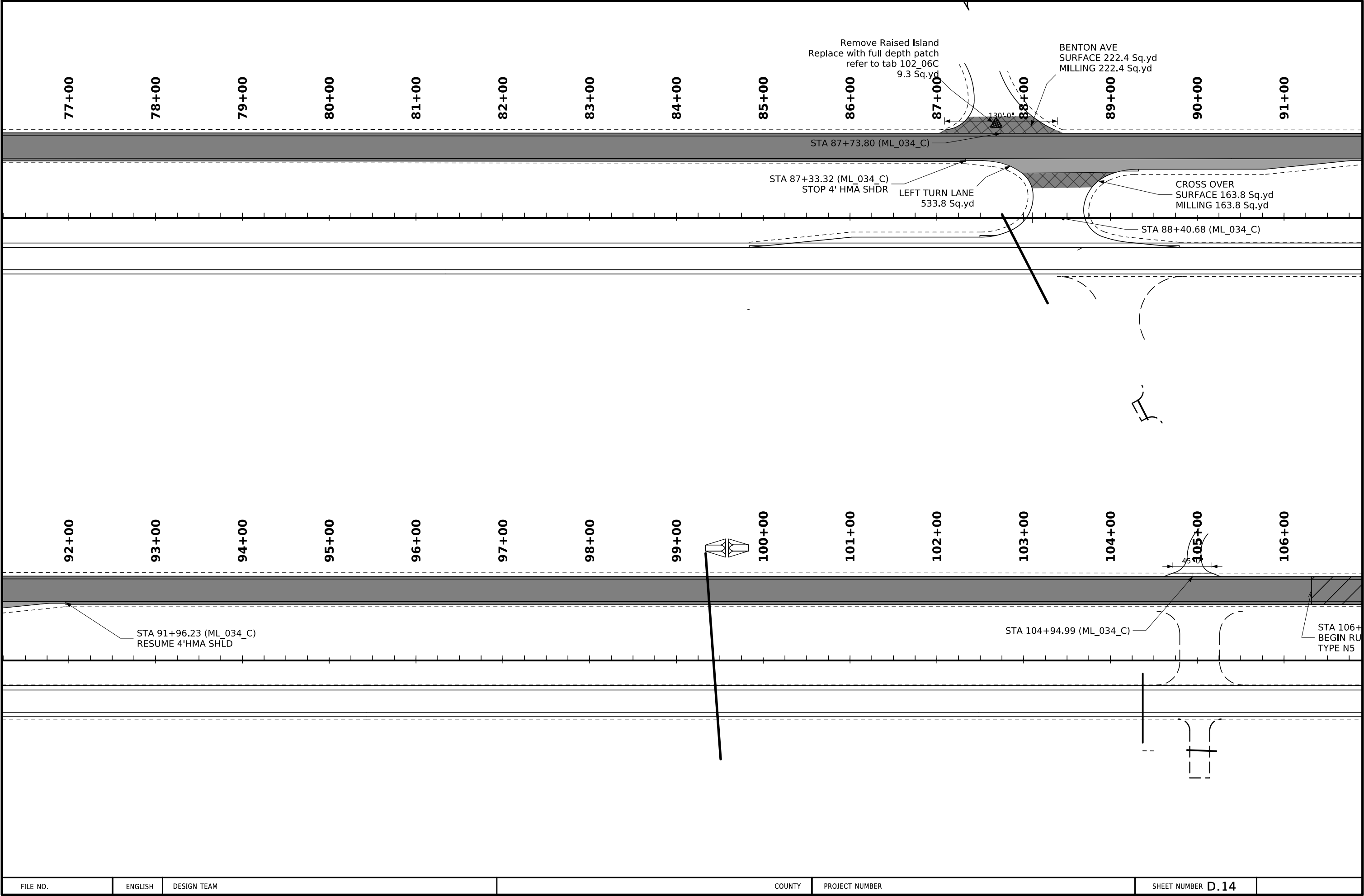


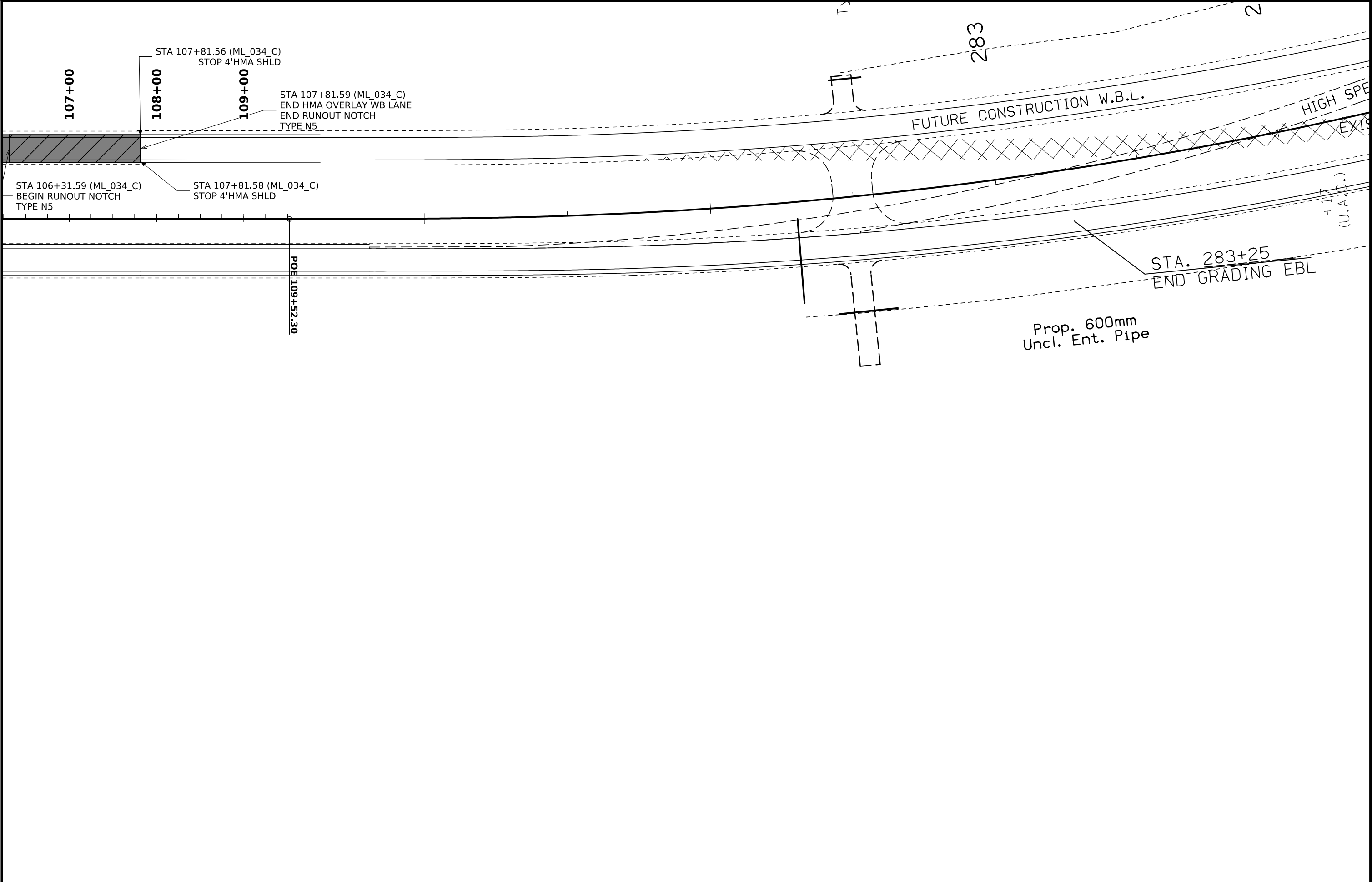












108_23A
8/15/22

TRAFFIC CONTROL PLAN

1. Through traffic will be maintained on the project at all times.

511 TRAVEL RESTRICTIONS													108_25 3/28/24
Line No.	Route	Direction	County	Location Description	Feature Crossed	Object Type	Maint. Bridge No. or Structure ID or FHWA No.	Type of Restriction	Existing Measurement	Construction Measurement	Construction Measurement as Signed	Projected As Built Measurement	Remarks
1.0	US 34-A	EB	Jefferson	1.6 MI W OF JCT. SR V-63	Cedar Creek	Barrier	5105.8R034	Horizontal	40.0	16.0			

STAGING NOTES

Sequence of Construction:
A general sequence of construction is suggested below.
The contractor's activities may be scheduled in the following sequence, or the Contractors proposed sequence:

1. Perform scarification operations.
2. Place HMA intermediate lift.
3. Construct side road fillets.
4. Place HMA Surface lift.
5. Place Type B granular shoulder.
6. Place milled shoulder rumble 'strips'.
7. Place permanent pavement markings.

111_01 10/14/22 COORDINATED OPERATIONS Other work in progress during the same period of time will include the construction of the projects listed. Coordinate operations with those of other contractors working within the same area.	
Project	Type of Work
MB-000-5(516)0--77-00	Bridge Approach/Overlay Project
HSIPX-034-9(260)--3L-44	Paved Shoulder