

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

D12-PPM-FY2023

FEDERAL PROJECT NUMBER

NON-FEDERAL

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

District Pavement Preventive Maintenance Contract For SFY 2023

WORK LOCATIONS 1 - 4

(See Sheets 2 & 3 for Work Descriptions and Locations)

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: N/A

ESTIMATED CONTRACTOR EARTH DISTURBED AREA: N/A

NOTICE OF INTENT EARTH DISTURBED AREA: N/A (NOI not required)*

* Routine Maintenance Project

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

2019 SPECIFICATIONS

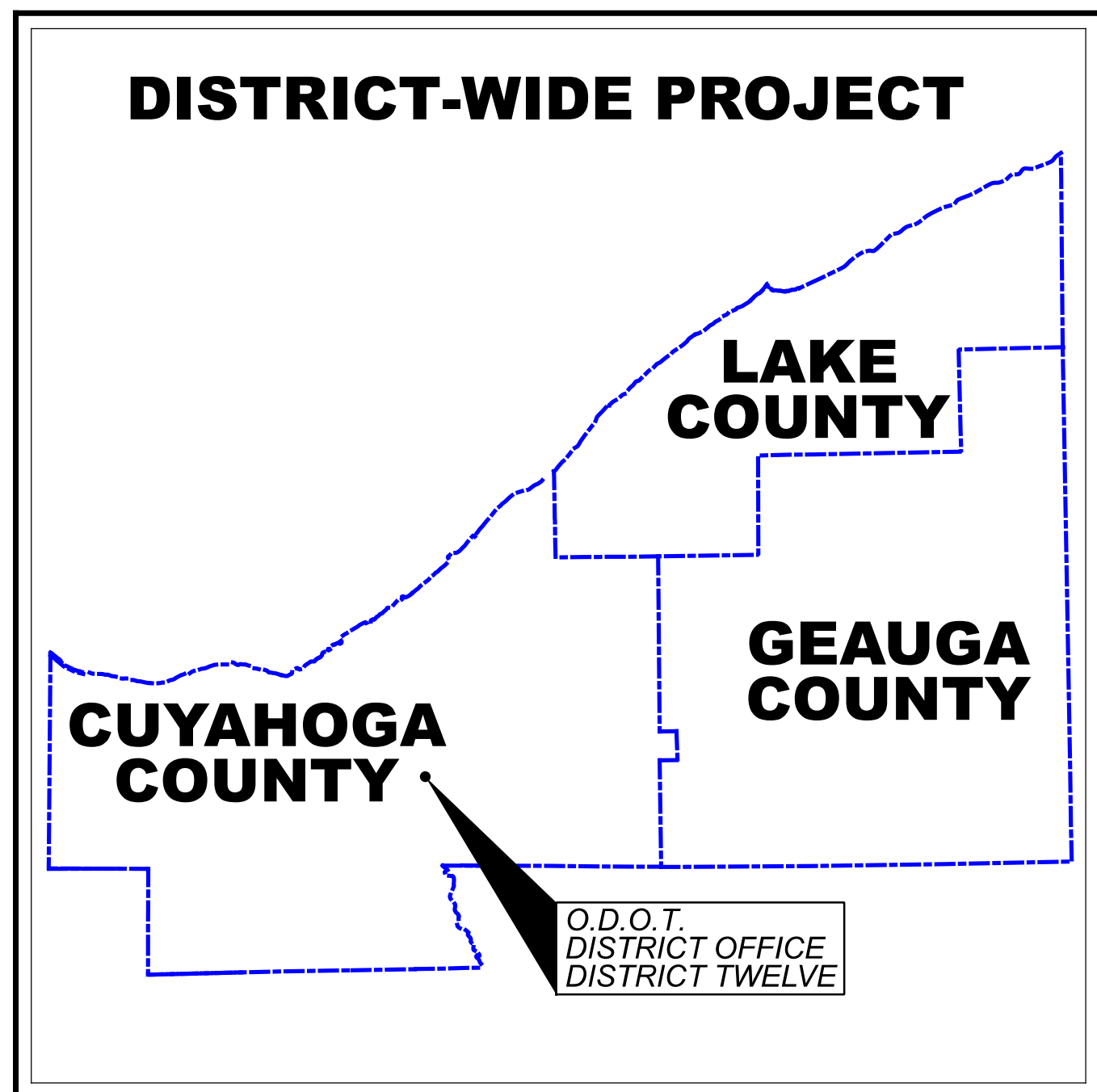
THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

John P. Picuri, P.E.
DISTRICT DEPUTY DIRECTOR



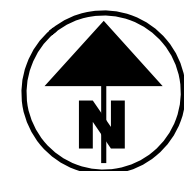
John Picuri, P.E., S.I.
12

Jack Marchbanks, Ph.D.
DIRECTOR, DEPARTMENT OF TRANSPORTATION

LOCATION MAP

LATITUDE: 41°24'54" LONGITUDE: 81°36'54"



SPECIFIC WORK LOCATIONS

SPECIFIC WORK LOCATION 1 - LAKE COUNTY

I.R.-90 (SLM 6.99 to SLM 21.43)
LATITUDE: 41°38'09"± LONGITUDE: 81°23'06"±

SPECIFIC WORK LOCATION 2 - CUYAHOGA COUNTY

S.R.-176 / RAMP J-NBOR / RAMP NBOR / LANE S-W / LANE S-E
LATITUDE: 41°27'52"± LONGITUDE: 81°41'35"±

SPECIFIC WORK LOCATION 3 - LAKE COUNTY

S.R.- 44 (SLM 7.96 to SLM 9.53)
LATITUDE: 41°43'51"± LONGITUDE: 81°17'29"±

SPECIFIC WORK LOCATION 4 - LAKE COUNTY

I.R.- 90 (SLM 21.78 to SLM 23.39)
LATITUDE: 41°43'16"± LONGITUDE: 81°07'49"±

DESIGN EXCEPTIONS

N/A

ADA DESIGN WAIVERS

N/A

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STANDARD CONSTRUCTION DRAWINGS

STANDARD CONSTRUCTION DRAWINGS						SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS				
BP-2.1	1/21/22		MT-95.30	7/19/19	MT-101.90	7/17/20	TC-41.20	10/18/13	800-2019	SEE PROPOSAL	
BP-2.2	1/15/21						TC-41.30	10/18/13			
BP-3.1	1/21/22		MT-95.45	1/17/20	MT-105.10	1/17/20	TC-41.40	10/18/13	821	4/20/12	
BP-3.2	01/18/19		MT-95.50	7/21/17			TC-42.20	10/18/13	832	7/15/22	
BP-9.1	01/18/19						TC-52.10	10/18/13			
									874	4/17/20	
							TC-52.20	1/15/21	875	1/18/19	
			MT-98.10	1/17/20			TC-65.10	1/17/14			
			MT-98.11	1/17/20			TC-65.11	7/15/22	921	4/20/12	
			MT-98.20	4/19/19			TC-71.10	7/15/22			
			MT-98.22	1/17/20			TC-72.20	7/20/18			
			MT-98.28	1/17/20							
			MT-98.29	1/17/20							
			MT-99.20	4/19/19							

ENGINEER'S SEAL



UNDERGROUND UTILITIES

Contact Two Working Days Before You Dig



OHIO811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

PLAN PREPARED BY:
O.D.O.T. - DISTRICT 12
PLANNING AND ENGINEERING
5500 TRANSPORTATION BLVD.
GARFIELD HEIGHTS, OHIO 44125

TITLE SHEET

DESIGN AGENCY



DESIGNER

JAG

REVIEWER

DAB 01/23/23

PROJECT ID

105746

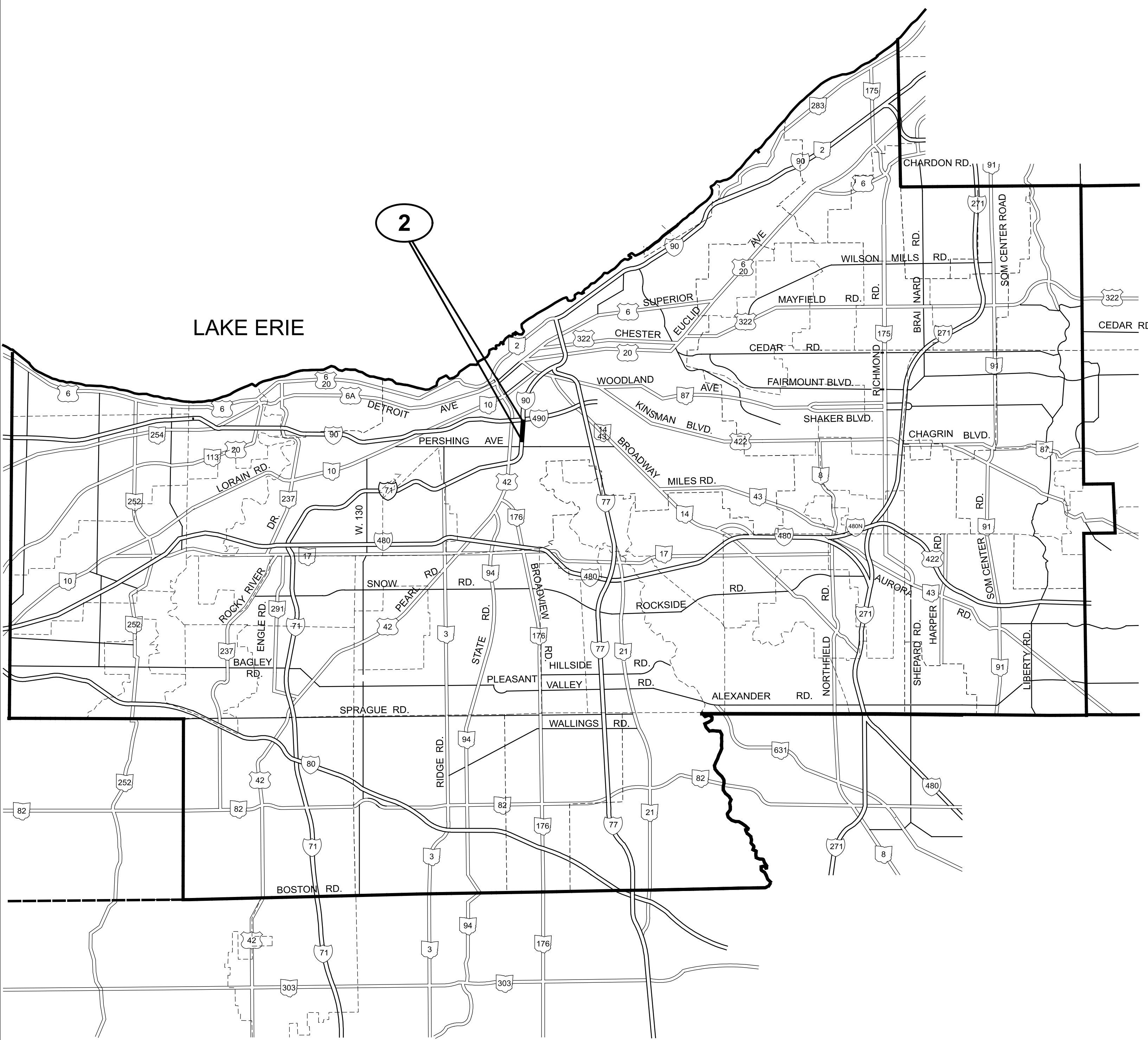
SHEET TOTAL

P.01 | 57

D12-PPM-FY2023 ADDENDUM - R1

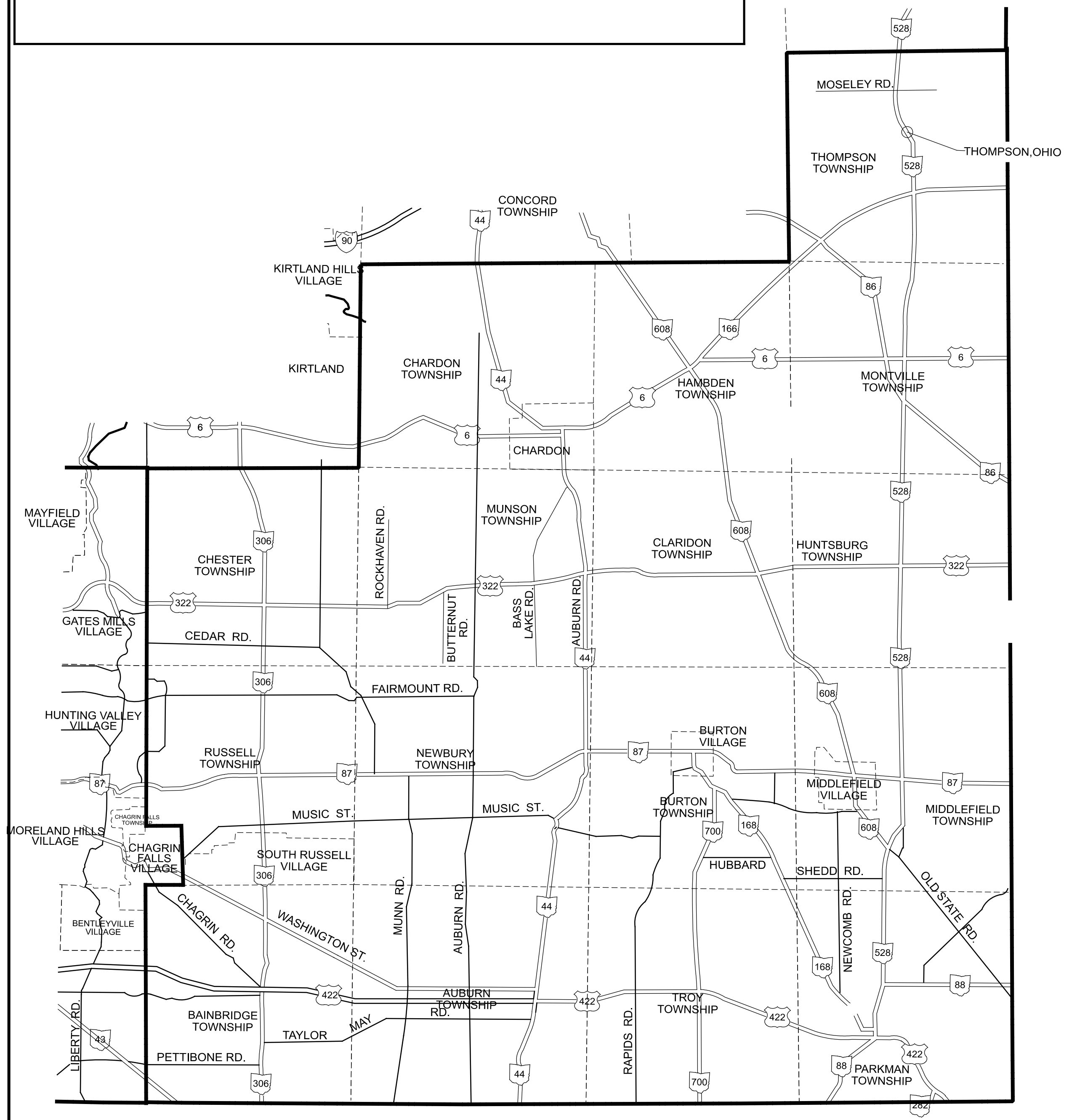
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WORK LOCATION 2 - CUYAHOGA COUNTY
 S.R.-176 /
 I.R.-71 NORTHBOUND OUTER ROADWAYS:
 (RAMP-J-NBOR / RAMP-NBOR / RAMP-LANE S-W / RAMP-LANE S-E)
 (RESURFACING - IR-71: SLM 18.22+/- to SLM 18.91+/-)
 LAT.: N 41 27 52" LONG.: W 81 41 35"
 CITY OF CLEVELAND

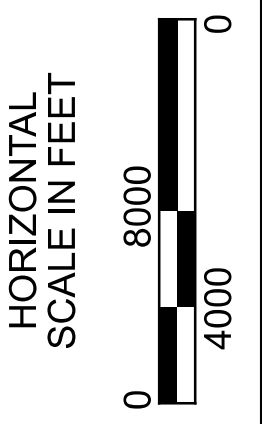
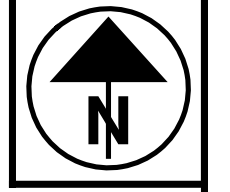


CUYAHOGA COUNTY

NO WORK - GEAUGA COUNTY



GEAUGA COUNTY



LOCATION MAP
 CUYAHOGA COUNTY / GEAUGA COUNTY

D12-PPM-FY2023 ADDENDUM - R1

MODEL: Sheet PAPER: 34x42 (in.) DATE: 4/21/2023 TIME: 8:35:59 AM USER: jgrmovse
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DESIGN AGENCY




DESIGNER: JAG
 REVIEWER: DAB 01/23/23
 PROJECT ID: 105746
 SHEET: P.02 TOTAL: 57

SHEET NUM.													PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.	
4-5	7	10	11	12	18	19	20	31	32	44	45	54	01/NFP/99	EXT	TOTAL					
ROADWAY																				
150										63,129			63,129	202	23501	63,129	SY	WEARING COURSE REMOVED, AS PER PLAN	6	
													150	202	32000	150	FT	CURB REMOVED		
										180			180	209	60201	180	STA	LINEAR GRADING, AS PER PLAN	5	
										3.08			3.08	209	72051	3.08	MILE	PREPARING SUBGRADE FOR SHOULDER PAVING, AS PER PLAN	6	
1													1	623	39501	1	EACH	MONUMENT ASSEMBLY ADJUSTED TO GRADE, AS PER PLAN	5	
1													1	623	39601	1	EACH	MONUMENT ASSEMBLY RECONSTRUCTED TO GRADE, AS PER PLAN	5	
EROSION CONTROL																				
													1,000	832	30000	1,000	EACH	EROSION CONTROL		
DRAINAGE																				
3													3	611	98631	3	EACH	CATCH BASIN ADJUSTED TO GRADE, AS PER PLAN	5	
1													1	611	98634	1	EACH	CATCH BASIN RECONSTRUCTED TO GRADE		
17													17	611	99151	17	EACH	INLET ADJUSTED TO GRADE, AS PER PLAN	5	
2													2	611	99154	2	EACH	INLET RECONSTRUCTED TO GRADE		
3													3	611	99655	3	EACH	MANHOLE ADJUSTED TO GRADE, AS PER PLAN	5	
1													1	611	99660	1	EACH	MANHOLE RECONSTRUCTED TO GRADE		
2,000													2,000	SPECIAL	61199820	2,000	LB	MISCELLANEOUS METAL	5	
PAVEMENT																				
								500		400			900	251	01001	900	SY	PARTIAL DEPTH PAVEMENT REPAIR (441), AS PER PLAN, "A"	6	
					200								200	252	01001	200	SY	FULL DEPTH RIGID PAVEMENT REMOVAL AND FLEXIBLE REPLACEMENT, AS PER PLAN, "A"	18	
					75								75	252	01001	75	SY	FULL DEPTH RIGID PAVEMENT REMOVAL AND FLEXIBLE REPLACEMENT, AS PER PLAN, "B"	18	
					200								200	252	01001	200	SY	FULL DEPTH RIGID PAVEMENT REMOVAL AND FLEXIBLE REPLACEMENT, AS PER PLAN, "C"	18	
					110								110	253	02001	110	CY	PAVEMENT REPAIR, AS PER PLAN, "A"	18	
								50					50	253	02001	50	CY	PAVEMENT REPAIR, AS PER PLAN, "B"	7	
												3,755	3,755	254	01000	3,755	SY	PAVEMENT PLANING, ASPHALT CONCRETE, (1.5")		
								30,315					30,315	254	01001	30,315	SY	PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, (1.5")	6	
					10,454								10,454	254	01011	10,454	SY	PAVEMENT PLANING, PORTLAND CEMENT CONCRETE, AS PER PLAN, (1.5")	18	
					887					5,052			5,939	407	13900	5,939	GAL	TACK COAT, 702.13		
								2,578		3,789		300	6,667	407	20000	6,667	GAL	NON-TRACKING TACK COAT		
										4,700			4,700	442	00100	4,700	CY	ANTI-SEGREGATION EQUIPMENT		
										2,699			2,699	442	10301	2,699	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), AS PER PLAN, PG76-22M, (1.5")	6	
					436			1,263		1,855			1,855	442	20001	1,855	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN, PG70-22M, (1.5")	6	
										3,510			3,510	442	20170	3,510	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (448), (2.0")		
150													150	609	26000	150	FT	CURB, TYPE 6		
										220			220	617	10101	220	CY	COMPACTED AGGREGATE, AS PER PLAN	5	
										3.08			3.08	618	40601	3.08	MILE	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE), AS PER PLAN	6	
								286					286	875	10000	286	LB	LONGITUDINAL JOINT ADHESIVE		
TRAFFIC CONTROL																				
							133						214	347	621	00100	347	EACH	RPM	
									2				227	621	00100	227	EACH	RPM, (WHITE)		
									96		24		120	621	00100	120	EACH	RPM, (WHITE/RED)		
									53				53	621	00100	53	EACH	RPM, (YELLOW/RED)		
	300							133					214	647	621	54000	647	EACH	RAISED PAVEMENT MARKER REMOVED	
								1.32					1.32	642	00104	1.32	MILE	EDGE LINE, 6", TYPE 1		
								1.36					3.2	642	00204	4.56	MILE	LANE LINE, 6", TYPE 1		
								844					844	642	00404	844	FT	CHANNELIZING LINE, 12", TYPE 1		
								680					680	642	01560	680	FT	DOTTED LINE, 12", TYPE 1		
									1.13				4.21	646	10010	4.21	MILE	EDGE LINE, 6", WHITE		
									1.14				4.22	646	10010	4.22	MILE	EDGE LINE, 6", YELLOW		
									0.18				3.26	646	10110	3.26	MILE	LANE LINE, 6"		
									4,077				5,057	646	10310	5,057	FT	CHANNELIZING LINE, 12"		
										28			28	646	10400	28	FT	STOP LINE		
								1,041					1,041	646	10600	1,041	FT	TRANSVERSE/DIAGONAL LINE		
								480					535	646	10620	535	FT	CHEVRON MARKING		
										6			6	646	20300	6	EACH	LANE ARROW		
										1,261			1,261	646	20504	1,261	FT	DOTTED LINE, 6"		
LS													LS	SPECIAL	69098400	LS		INVENTORY EXISTING PAVEMENT MARKINGS	7	

GENERAL SUMMARY

DESIGN AGENCY

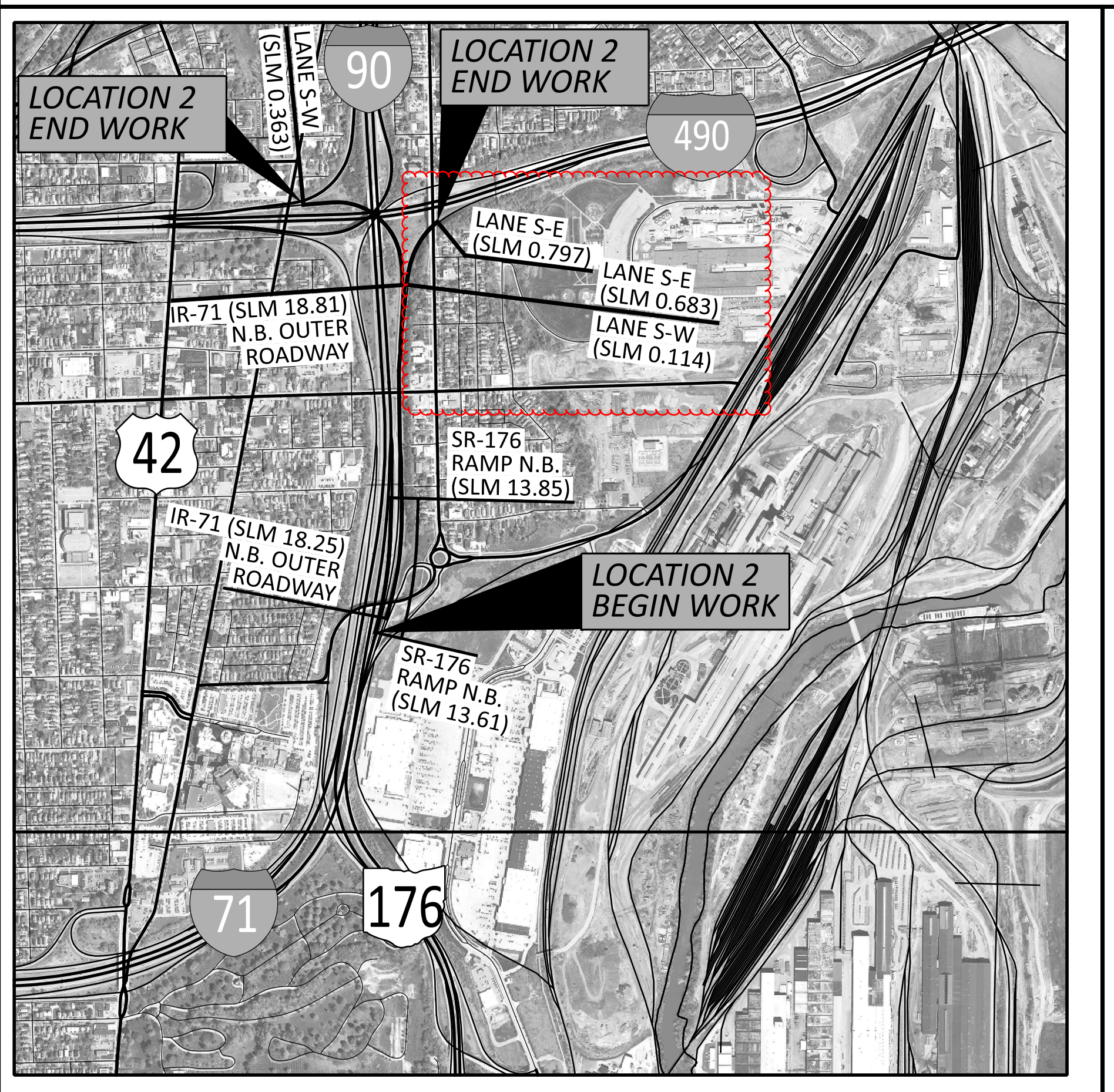


DESIGNER
JAG

REVIEWER
DAB 01/23/23

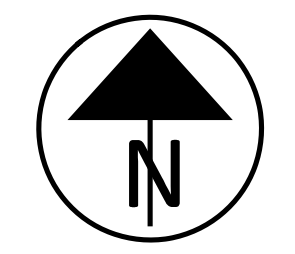
PROJECT ID
105746

SHEET TOTAL
P.13 57

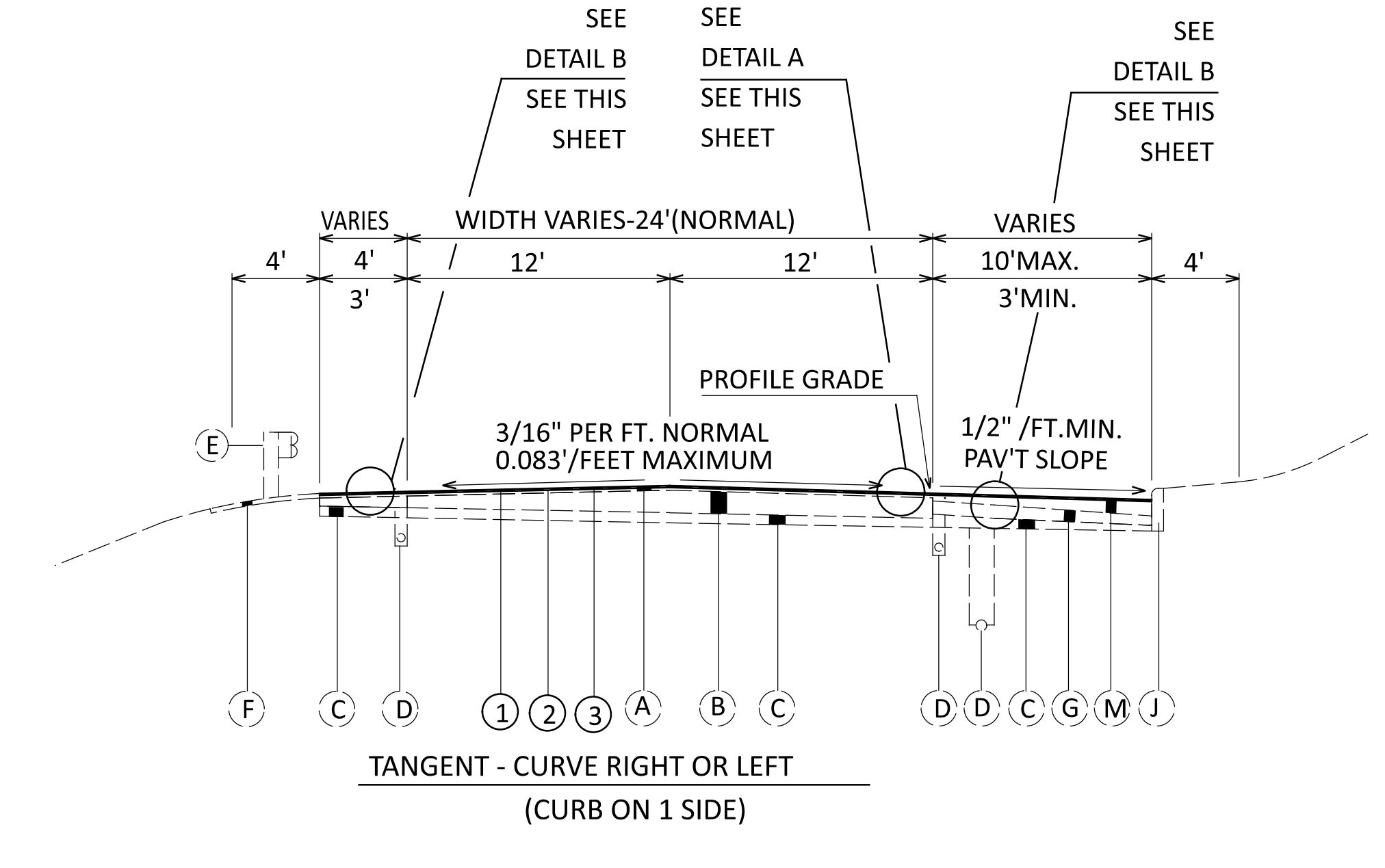
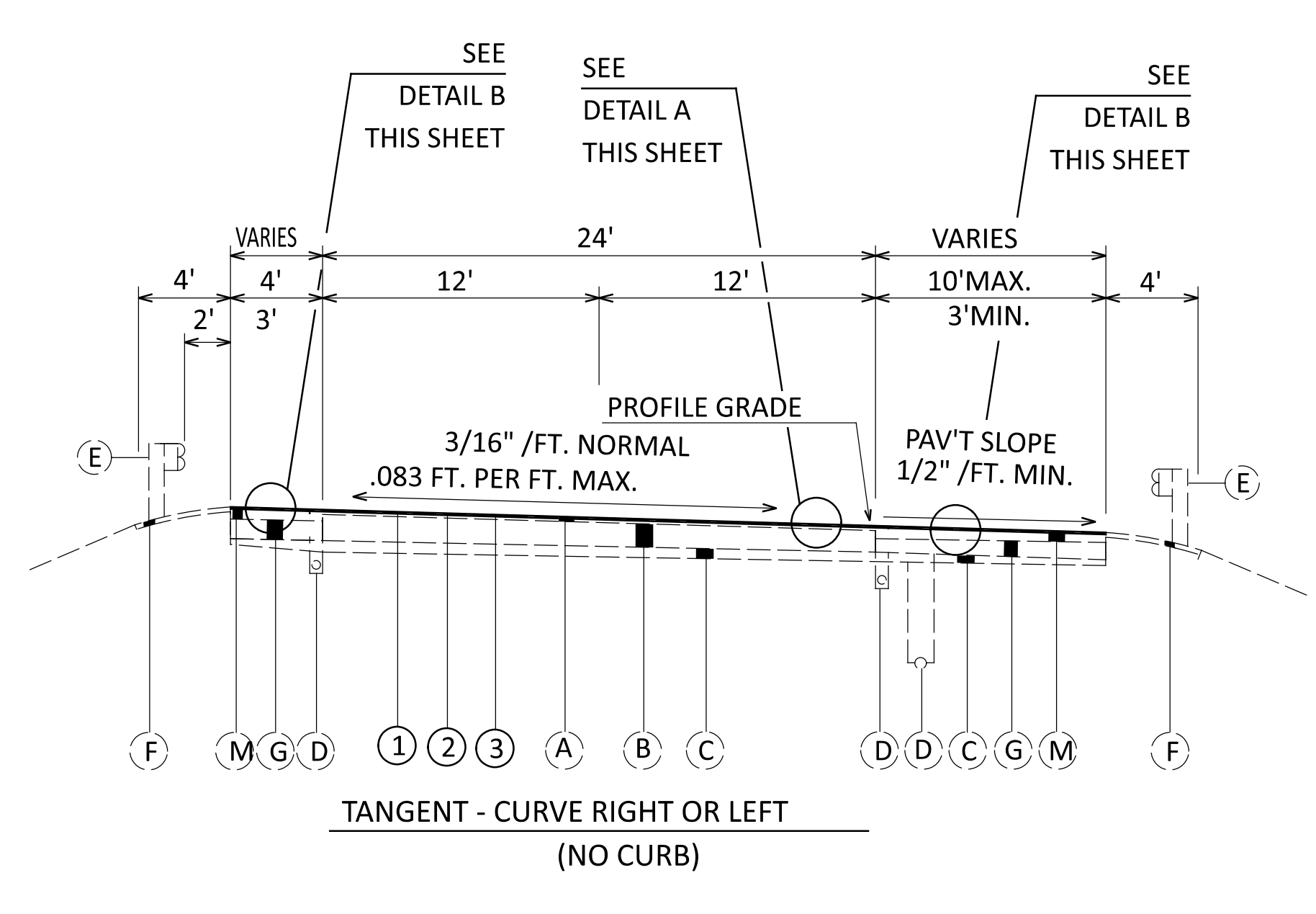
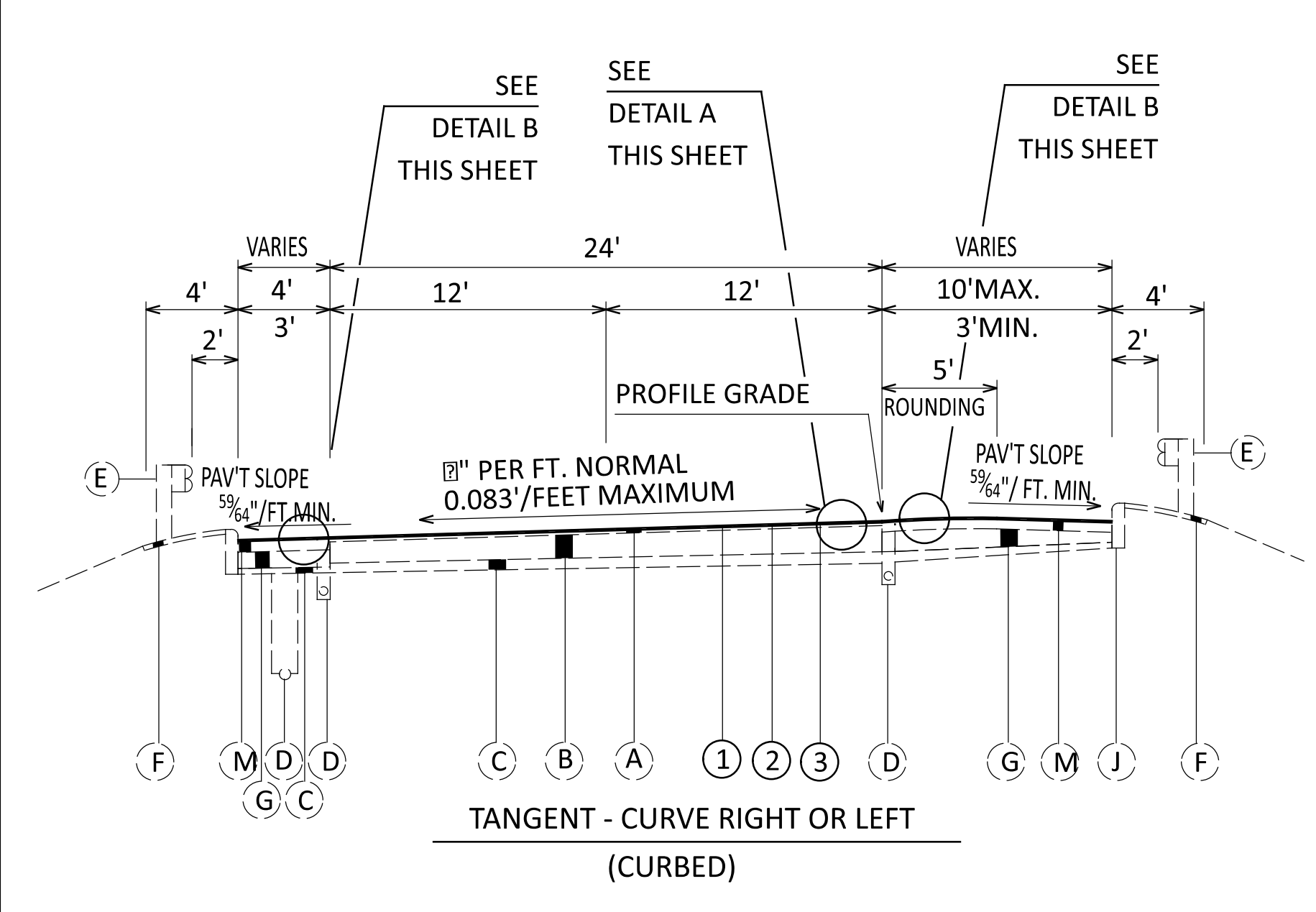


LOCATION MAP

LATITUDE: 41°28'51"± N LONGITUDE: 81°29'14"± W

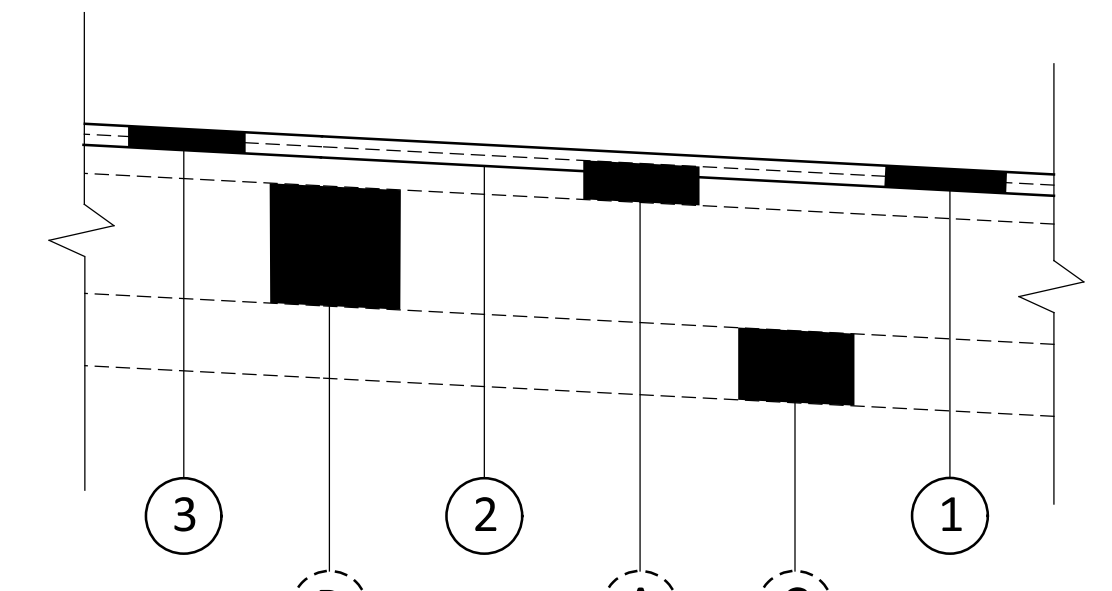


LOCATION 2
S.R.-176 / I.R.-71
CUYAHOGA COUNTY

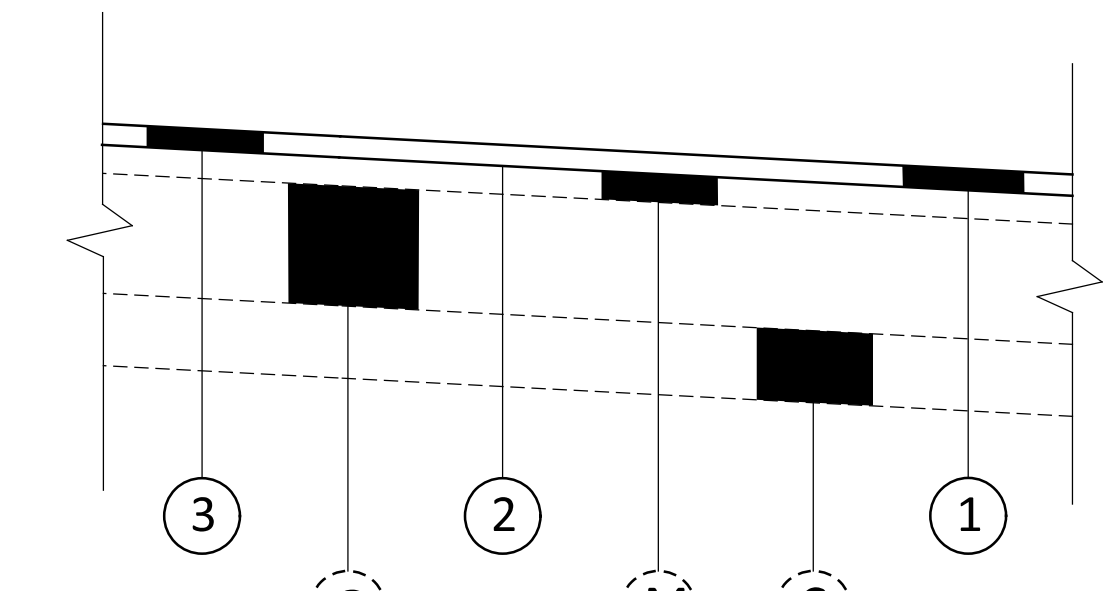


TYPICAL RAMP AND TWO LANE ROADWAY SECTIONS

LANE S-E
 LANE S-W
 NBOR
 S.R. 176 - NB
 RAMP J-NBOR



PAVEMENT DETAIL A



PAVEMENT DETAIL B

EXISTING LEGEND

- (A) 4" ASPHALT CONCRETE
- (B) 9" OR 10" CONCRETE BASE PAVEMENT
- (C) SUBBASE
- (D) UNDERDRAIN
- (E) GUARDRAIL
- (F) ASPHALT CONCRETE UNDER GUARDRAIL
- (G) AGGREGATE BASE
- (H) CONCRETE MEDIAN
- (I) CONCRETE BARRIER
- (J) CURB (SANDSTONE OR CONCRETE)
- (K) 9" PLAIN CONCRETE PAVEMENT
- (L) CONCRETE BARRIER
- (M) 6" ASPHALT CONCRETE
- (N) 2" ASPHALT CONCRETE

PROPOSED LEGEND

- (1) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN (1.5")
- (2) ITEM 407 - NON-TRACKING TACK COAT
- (3) ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN, PG 70-22M (1.5")

DESIGN AGENCY



DESIGNER
JAG

REVIEWER
 DAB 01/23/23

PROJECT ID
 105746

SHEET TOTAL
 P.29 | 57

LOCATION 3 – (SR-44) – ADDITIONAL NOTES
(IN ADDITION TO PROJECT GENERAL NOTES)

Project Location 3 – (SR-44)

These notes apply to Project Location 3 involving the resurfacing and repair of pavement.

Major Work Items – (SR-44)

The Contractor shall complete all work on SR-44 in **30 days**, excluding the placing of the permanent pavement markings and RPM’s.

The major work items will require maintenance of traffic as detailed and listed on sheet **“Location 3 - Maintenance of Traffic Details for SR-44”**, which will be incorporated into the Contractor’s Phases of Operations.

Traffic shall not be permitted to travel on planed surface.

Proposal Notes:

PN420 – 1/20/2023 will apply to work on Project Location 3 – (S.R.-44)



REF. NO.	SHEET NO.	PLAN SPLIT NO.	STATION TO STATION	LENGTH	BEGIN WIDTH	ENDING WIDTH	AVERAGE WIDTH	AREA	209	202	251	407	407	442	442	442	209	617	618
									PREPARING SUBGRADE FOR SHOULDER PAVING, AS PER PLAN	WEARING COURSE REMOVED, AS PER PLAN	PARTIAL DEPTH PAVEMENT REPAIR (441), AS PER PLAN, "A"	TACK COAT, 702.13	NON-TRACKING TACK COAT	ANTI-SEGREGATION EQUIPMENT	ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (448), (2.0')	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), AS PER PLAN, PG76-22M, (1.5")	LINEAR GRADING, AS PER PLAN	COMPACTED AGGREGATE, AS PER PLAN	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE), AS PER PLAN
				FT.	FT.	FT.	FT.	SQ. YD.	MILE	SY	SY	GAL	GAL	CY	CY	CY	STA	CY	MILE
			S.R.-44																
			S.R. 44 (NORTHBOUND)																
		1	83+01.38	85+29.00	227.62	70.5	49	59.8	1512	1512									
		1	85+29.00	87+00.00	171	49	44.8	46.9	891	891									
		1	87+00.00	89+72.50	272.5	44.8	45	45	1363	1363									
		1	89+72.50	93+22.50	350	45	33	39	1517	1517									
		1	93+22.50	98+87.00	564.5	33	33	33	2070	2070									
		1	98+87.00	99+88.00	101	CADD AREA			445	445									
		1	99+88.00	119+78.00	1990	33	33	33	7297	7297									
		1	119+78.00	120+73.00	95	CADD AREA			333	333									
		1	120+73.00	121+52.46	79.46	33	33	33	291	291									
			STA. EQUATION:																
			121+25.46 BK = 121+67.42 AH																
		1	121+67.42	157+50.00	3582.58	33	33	33	13136	13136									
		1	157+50.00	163+79.00	629	36	36	36	2516	2516									
			S.R. 44 (SOUTHBOUND)																
		1	81+67.28	82+83.00	115.72	64	50	57	733	733									
		1	82+83.00	84+25.00	142	50	45	47.5	749	749									
		1	84+25.00	86+67.28	242.28	45	45	45	1211	1211									
		1	86+67.28	87+67.28	100	45	33	39	433	433									
		1	87+67.28	98+87.00	1119.72	33	33	33	4106	4106									
		1	98+87.00	99+88.00	101	CADD AREA			445	445									
		1	99+88.00	101+38.00	150	44	44	44	733	733									
		1	101+38.00	101+88.00	50	44	33	38.5	214	214									
		1	101+88.00	119+78.00	1790	33	33	33	6563	6563									
		1	119+78.00	120+73.00	95	CADD AREA			414	414									
		1	120+73.00	121+52.46	79.46	44	44	44	388	388									
			STA. EQUATION:																
			121+25.46 BK = 121+67.42 AH																
		1	121+67.42	122+37.96	70.54	44	44	44	345	345									
		1	122+37.96	122+87.96	50	44	33	38.5	214	214									
		1	122+87.96	157+50.00	3462.04	33	33	33	12694	12694									
		1	157+50.00	163+79.00	629	36	36	36	2516	2516									
			SAFETY EDGE																
			S.R. 44 (NORTHBOUND)																
			SHOULDER - ONE SIDE																
		1	83+01.38	121+52.46	3851.08	0.5	0.5	0.5	214	3851.08									
		1	121+67.42	157+50.00	3582.58	0.5	0.5	0.5	199	3582.58									
			SHOULDER - BOTH SIDES																
		1	157+50.00	163+79.00	629	1	1	1	70	629									
			S.R. 44 (SOUTHBOUND)																
			SHOULDER - ONE SIDE																
		1	81+67.28	121+52.46	3985.18	0.5	0.5	0.5	221	3985.18									
		1	121+67.42	157+50.00	3582.58	0.5	0.5	0.5	199	3582.58									
			SHOULDER - BOTH SIDES																
		1	157+50.00	163+79.00	629	1	1	1	70	629									
			SUBTOTALS																
			TOTALS CARRIED TO GENERAL SUMMARY																
									16259.4	63129	400	5052	3789	4700	3510	2699	180	220	16259.4
									3.08 MI	63129	400	5052	3789	4700	3510	2699	180	220	3.08 MI