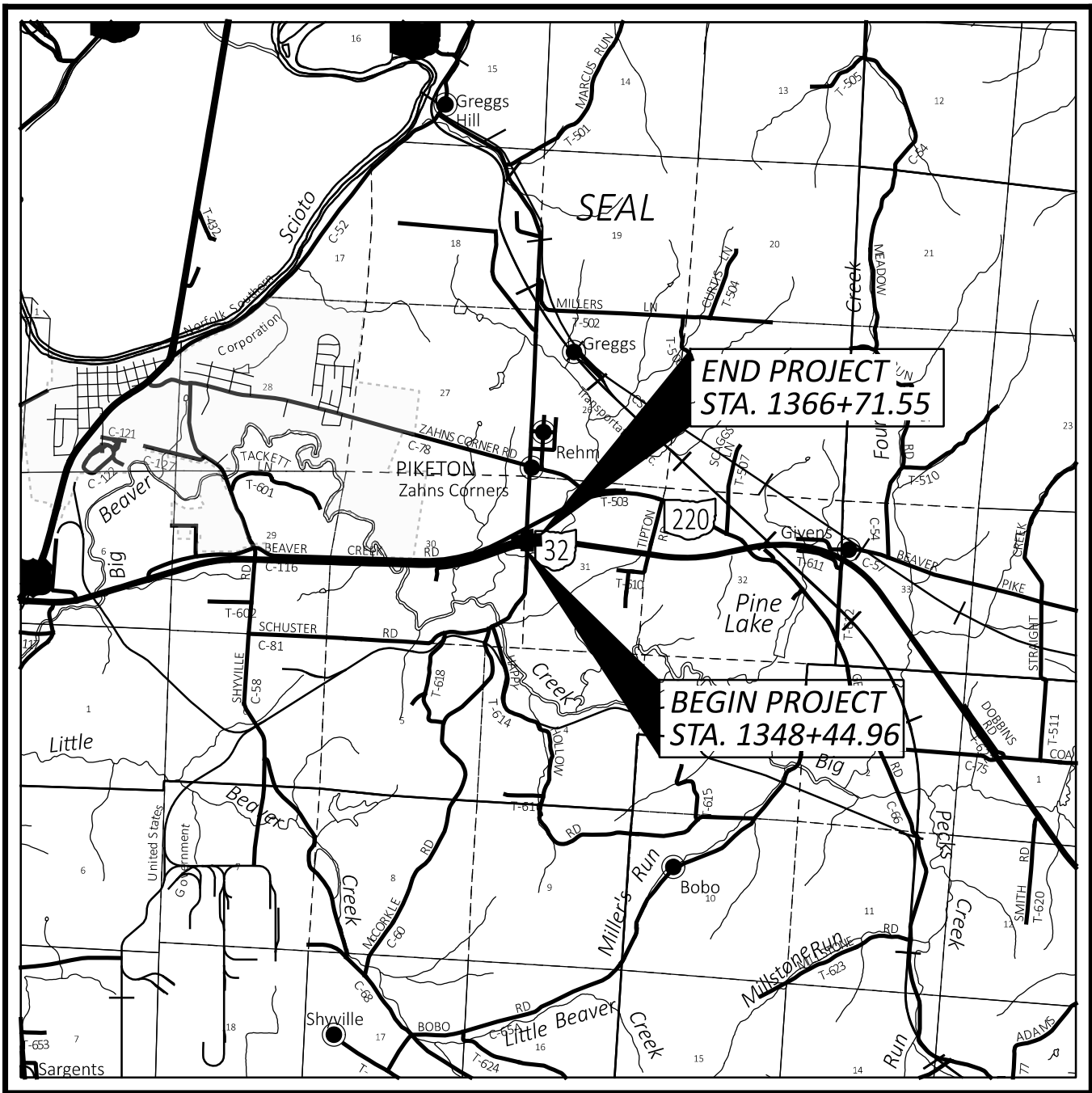




LOCATION MAP

LATITUDE: 39°03'15" LONGITUDE: 82°57'45"



PORTION TO BE IMPROVED	
INTERSTATE HIGHWAY	
FEDERAL ROUTES	
STATE ROUTES	
COUNTY & TOWNSHIP ROADS	
OTHER ROADS	

DESIGN DESIGNATION

CURRENT ADT (2026)	9,140
DESIGN YEAR ADT (2046)	9,700
DESIGN HOURLY VOLUME (2046)	970
DIRECTIONAL DISTRIBUTION	56%
TRUCKS (24 HOUR B&C)	14%
DESIGN SPEED	65 MPH
LEGAL SPEED	60 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	
03 RURAL PRINCIPAL ARTERIAL	
NHS PROJECT	YES

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

NONE REQUIRED

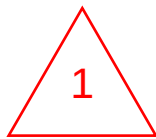
UNDERGROUND UTILITIES

Contact Two Working Days Before You Dig


Before You Dig

OHIO 811, 8-1-1, or 1-800-362-2764 (Non members must be called directly)

PLAN PREPARED BY:
EUTHENICS INC.
8235 MOHAWK DRIVE
STRONGSVILLE, OHIO 44136



STANDARD CONSTRUCTION DRAWINGS								SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
BP-3.1	1/19/24	MGS-2.1	1/16/26	HL-10.11	1/16/26	MT-95.40	7/18/25	TC-41.10	1/16/26
BP-9.1	1/18/19	MGS-4.2	7/18/25	HL-10.12	1/16/26	MT-99.20	4/19/19	TC-41.20	10/18/23
		MGS-4.3	7/18/25	HL-10.13	1/20/23	MT-101.70	7/19/24	TC-41.30	4/21/23
CB-4	7/19/24					MT-101.75	7/21/23	TC-42.10	10/18/13
CB-8	7/19/24	MH-1	7/15/22	HL-20.11	1/16/26	MT-101.90	7/17/20	TC-42.20	10/18/13
		MH-3	7/19/24	HL-30.11	1/16/26	MT-104.10	1/19/24	TC-51.11	7/18/25
DM-1.1	1/17/25			HL-30.21	4/17/20	MT-105.10	1/17/20	TC-52.10	10/18/13
DM-1.2	1/17/25	RM-1.1	1/16/26	HL-30.22	1/17/25			TC-52.20	1/15/21
DM-4.2	7/20/12	RM-3.1	7/20/18	HL-40.20	7/18/25			TC-61.10	4/21/23
DM-4.4	1/15/16	RM-4.2	1/16/26	HL-60.11	7/21/17			TC-61.30	7/19/24
				HL-60.31	1/16/26			TC-65.10	1/17/14
F-2.1	7/20/18							TC-65.11	1/17/25
F-3.4	7/19/13							TC-71.10	1/16/26
I-2	7/19/24								

FEDERAL PROJECT NUMBER

E240 (461)

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

INSTALL RESTRICTED CROSSING U-TURN ON STATE ROUTE 32 AROUND THE STATE ROUTE 220 INTERSECTION IN PIKE COUNTY ACROSS FROM SCHUSTER ROAD.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	4.3 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.3 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	4.6 ACRES

LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

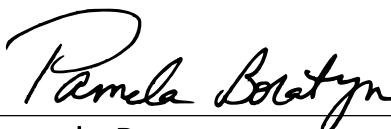
2023 SPECIFICATIONS

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.

TRAFFIC NOT REROUTED

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.


Michael G. Dombrowski
District 09 Deputy Director


Pamela Boratyn
Director, Department of Transportation

ENGINEER'S SEAL



DESIGN AGENCY


EUTHENICS
8235 Mohawk Dr., Cleveland, OH 44136

DESIGNER

FTS

REVIEWER

JLN 08/07/25

PROJECT ID

120110

SHEET

P.1

TOTAL

131

DRAINAGE

REVIEW OF DRAINAGE FACILITIES

PRIOR TO THE START OF WORK AND AGAIN BEFORE FINAL ACCEPTANCE, PERFORM AN INSPECTION WITH REPRESENTATIVES OF THE DEPARTMENT, CONTRACTOR AND LOCALS OF ALL EXISTING DRAINAGE FACILITIES THAT ARE TO REMAIN IN SERVICE WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES IS DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION ARE MAINTAINED BY THE DEPARTMENT.

CONFIRM ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE-MENTIONED PARTIES ARE MAINTAINED AND LEFT IN A CONDITION COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. THE CONTRACTOR IS RESPONSIBLE TO CORRECT ANY CHANGE IN THE CONDITION RESULTING FROM THEIR OPERATIONS AS DIRECTED AND APPROVED BY THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEMS.

POST CONSTRUCTION STORM WATER TREATMENT

THIS PLAN UTILIZES STRUCTURAL BEST MANAGEMENT PRACTICES (BMP'S) FOR POST CONSTRUCTION STORM WATER TREATMENT.

VEGETATED BIOFILTER

THIS PLAN UTILIZES VEGETATED BIOFILTER(S) FOR POST CONSTRUCTION STORM WATER TREATMENT. PLACE EITHER ITEM 660 SODDING OR ITEM 659 SEEDING AND MULCHING WITH A 4-INCH LIFT OF TOPSOIL AS SHOWN IN THE PLANS TO ANY DISTURBED AREA ON THE SHOULDER AND FORESLOPE DRAINING TO A VEGETATED BIOFILTER. THE DITCH FOR EACH VEGETATED BIOFILTER SHALL BE TRAPEZOIDAL, AS SHOWN IN THE PLAN CROSS SECTIONS. PROVIDE ITEM 670 AS SPECIFIED IN THE PLANS.

632 REMOVAL OF TRAFFIC SIGNAL INSTALLATION

TRAFFIC SIGNAL INSTALLATIONS, INCLUDING SIGNAL HEADS, CABLE, MESSENGER WIRE, SIGNAL SUPPORTS, CABINET(S), CONTROLLER, ETC., SHALL BE REMOVED IN ACCORDANCE WITH C&MS 632.26 AND AS INDICATED ON THE PLANS. UNLESS NOTED, POWER SERVICES SHALL BE REMOVED IN ACCORDANCE WITH C&MS 625.21.F. ITEMS LISTED TO BE REMOVED SHALL BE STORED ON THE PROJECT FOR SALVAGE BY ODOT DISTRICT 9 IN ACCORDANCE WITH THE LISTING GIVEN HEREIN. FLASHER REMOVAL ITEMS TO BE SALVAGED, INCLUDING FLASHER CABINET AND COMPONENTS, METERBASE, DISCONNECT SWITCH, STRAIN POLES, AND SIGNAL HEADS, SHALL BE DELIVERED TO THE ODOT FACILITY WHOSE ADDRESS IS LISTED BELOW.

ODOT DISTRICT 9, ATTN: REX LEIST (740-774-9050)

650 EASTERN AVE.
CHILLICOTHE, OH 45601

ITEM 632 - REMOVAL OF TRAFFIC SIGNAL INSTALLATION SHALL HAVE A QUANTITY OF 1 EACH, AND HAS BEEN CARRIED TO THE GENERAL SUMMARY.

PAVEMENT RESTORATION FOR DRAINAGE STRUCTURE AND PIPE INSTALLATIONS

THE FOLLOWING QUANTITIES HAVE BEEN PROVIDED FOR PAVEMENT RESTORATION FOLLOWING INSTALLATION OF ITEM 611 - DRAINAGE STRUCTURES AND PIPES.

ITEM 202 - PAVEMENT REMOVED	243 SY
ITEM 301 - ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN TWO EQUAL LIFTS)	52 CY
ITEM 304 - AGGREGATE BASE	39 CY
ITEM 407 - NON-TRACKING TACK COAT	18 GAL
ITEM 441 - ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (446)	4 CY

THE ABOVE QUANTITIES ARE BASED ON A 301 THICKNESS OF 8 INCHES, 304 THICKNESS OF 6 INCHES, 441 THICKNESS OF 1.75 INCHES, AND A PAVEMENT RESTORATION WIDTH THAT INCLUDES THE TRENCH WIDTH PLUS TWO FEET ON EACH SIDE OF THE TRENCH AND TWO FEET AROUND THE PERIMETER OF THE DRAINAGE STRUCTURES.

PROVIDE ANY MATERIALS USED OUTSIDE THE LIMITS STATED ABOVE AT NO ADDITIONAL COST.

1

GENERAL NOTES

DESIGN AGENCY

EUTHENICS

8235 Mohawk Dr. | Cleveland, OH 44138

DESIGNER

FTS

REVIEWER

JLN 08/07/25

PROJECT ID

120110

SHEET

P.8

TOTAL

131

SEQUENCE OF CONSTRUCTION

THE FOLLOWING IS A SUGGESTED SEQUENCE OF CONSTRUCTION.

DURING MAINTENANCE OF TRAFFIC PHASES 1 THROUGH 4, CONSTRUCT ALL PROPOSED FULL-DEPTH PAVEMENT AREAS THROUGH THE INTERMEDIATE COURSE ONLY. DEFER PLACEMENT OF THE 1 ¼ INCH SURFACE COURSE ON THESE AREAS UNTIL PHASE 5.

PHASE 1

REMOVE ALL OF THE EXISTING SIGNAL SUPPORTS, LIGHTING, SIGNAL HEADS, AND OTHER RELATED ITEMS. TEMPORARY LIGHTING TO BE PROVIDED BY THE CONTRACTOR UNTIL PROPOSED LIGHTING IS INSTALLED.

ERECT TRAFFIC CONTROL TO CLOSE THE RIGHT EASTBOUND AND WESTBOUND LANES PER SCD MT- 95.40.

CONSTRUCT THE SOUTHEAST CORNER, THE WESTBOUND RIGHT TURN LANE, AND THE NORTHEAST QUADRANT OF THE INTERSECTION WHILE MAINTAINING TWO-WAY TRAFFIC ON SCHUSTER ROAD.

VEHICULAR TRAFFIC SHALL BE MAINTAINED ON EXISTING AND TEMPORARY PAVEMENT. AMISH BUGGIES SHALL BE DETOURED TO BEAVER CREEK ROAD VIA NOTIFICATION OF PCMS DURING THIS PHASE.

PHASE 2

CONSTRUCT THE EASTBOUND RIGHT TURN LANE, SOUTHWEST QUADRANT OF THE INTERSECTION, AND NORTHWEST QUADRANT OF THE INTERSECTION.

AT LEAST ONE LANE OF TRAFFIC SHALL BE MAINTAINED EASTBOUND AND WESTBOUND ON S.R. 32 AT ALL TIMES.

ACCESS TO AND FROM S.R. 220 AND C.R. 81 (SCHUSTER ROAD) SHALL BE MAINTAINED AT ALL TIMES.

VEHICULAR TRAFFIC SHALL BE MAINTAINED ON THE EXISTING PAVEMENT AND THE PROPOSED PAVEMENT CONSTRUCTED IN PHASE 1. AMISH BUGGIES SHALL BE DETOURED TO BEAVER CREEK ROAD VIA NOTIFICATION OF PCMS DURING THIS PHASE.

PHASE 3

ERECT TRAFFIC CONTROL FOR PHASE 3 AND CLOSE THE LEFT EASTBOUND AND LEFT WESTBOUND LANES PER SCD MT-95.40.

CONSTRUCT THE RESTRICTED CROSSING U-TURNS (RCUTS). INCLUDING THE RELATED DRAINAGE ITEMS AND THE EASTBOUND AND WESTBOUND LEFT TURN LANE LEADING TO THE RCUTS.

TRAFFIC SHALL BE MAINTAINED ON THE EXISTING PAVEMENT AND THE PROPOSED PAVEMENT CONSTRUCTED IN PREVIOUS PHASES.

PHASE 4

ERECT TRAFFIC CONTROL FOR PHASE 4.

CONSTRUCT THE NEW S.R. 32 MEDIAN, LEFT TURN LANES AT THE INTERSECTION, AND THE RELATED DRAINAGE ITEMS.

TRAFFIC SHALL BE MAINTAINED ON THE EXISTING AND PROPOSED PAVEMENT AND THE PROPOSED RCUTS BUILT IN PREVIOUS PHASES.

PHASE 5

AFTER PHASE 4 IS COMPLETE, REMOVE THE PORTABLE BARRIER AND OTHER CONFLICTING TEMPORARY TRAFFIC CONTROL DEVICES. USE DRUMS TO SHIFT TRAFFIC ON C.R. 81 (SCHUSTER ROAD)/S.R. 220 TO THE OUTSIDE OF THE PAVEMENT TO CONSTRUCT THE CONCRETE ISLANDS ON THE NORTH AND SOUTH APPROACHES OF THE INTERSECTION.

THE CONTRACTOR SHALL MAINTAIN ALL PROPOSED MOVEMENTS AT THE INTERSECTION DURING THIS PHASE.

TRAFFIC SHALL BE MAINTAINED ON THE EXISTING AND PROPOSED PAVEMENT.

UPON COMPLETION OF THE PRECEDING CONSTRUCTION PHASES, AND AS PART OF PHASE 5, THE CONTRACTOR SHALL PLACE THE 1 ¼ INCH SURFACE COURSE ON ALL PROPOSED FULL-DEPTH PAVEMENT AREAS CONSTRUCTED THROUGH THE INTERMEDIATE COURSE DURING PHASES 1 THROUGH 4. THE CONTRACTOR SHALL ALSO MILL AND RESURFACE THE EXISTING PAVEMENT WITHIN THE PROJECT LIMITS WITH THE 1 ¼ INCH SURFACE COURSE.

ITEM 614 - MAINTAINING TRAFFIC

BEFORE THE WORK BEGINS, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER THE NAME(S) AND TELEPHONE NUMBERS OF A PERSON OR PERSONS WHO CAN BE CONTACTED TWENTY-FOUR (24) HOURS PER DAY BY THE OHIO DEPARTMENT OF TRANSPORTATION AND ALL INTERESTED POLICE AGENCIES. THIS PERSON OR PERSONS SHALL BE RESPONSIBLE FOR PLACING OR REPLACING NECESSARY TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

OVERNIGHT LANE AND SHOULDER CLOSURES FOR THIS PROJECT SHALL NOT BEGIN UNTIL APRIL 1, 2027 UNLESS OTHERWISE APPROVED BY THE DCE.

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES ON S.R. 32, SCHUSTER ROAD, AND S.R. 220 BY USE OF THE EXISTING PAVEMENT, COMPLETED PAVEMENT, AND TEMPORARY PAVEMENT AT LOCATIONS SHOWN IN THE PLANS.

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN SIGNS AND SIGN SUPPORTS, AS DETAILED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND TYPE III BARRICADES AS NEEDED.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, AS PER PLAN

IN ADDITION TO THE PAVEMENT ITSELF, THIS ITEM SHALL INCLUDE THE INSTALLATION, MAINTENANCE, AND SUBSEQUENT REMOVAL AND RESORATION OF THE AREA DISTURBED BY THE TEMPORARY PAVEMENT AND ALL OTHER ITEMS AS NECESSARY, INCLUDING EARTHWORK, TO PROVIDE A COMPLETE, FUNCTIONAL, AND SAFE INSTALLATION FOR PUBLIC USE.

LIGHTING

LIGHTING SHALL BE PROVIDED AT THE INTERSECTION AND IN THE VICINITY OF THE RCUTS ONCE THEY ARE CONSTRUCTED AND OPEN TO TRAFFIC.

DUE TO CONFLICTS WITH PHASE 1 CONSTRUCTION ACTIVITIES, EXISTING LIGHTING WILL NEED TO BE REMOVED. TEMPORARY LIGHTING SHALL BE INSTALLED AND MAINTAINED AT THE INTERSECTION AS NECESSARY UNTIL PERMANENT LIGHTING IS OPERATIONAL. PROPOSED PERMANENT LIGHTING SHALL BE FULLY OPERATIONAL AT EACH RCUT PRIOR TO OPENING THAT MOVEMENT TO TRAFFIC.

LIGHTING SHALL BE PROVIDED BY CONVENTIONAL METHODS. AREA ILLUMINATION SHALL BE PROVIDED BY USING AN 8000-LUMEN LED, 150 WATT MINIMUM HIGH PRESSURE SODIUM LUMINAIRES OR 250 WATT MINIMUM MERCURY LUMINAIRES. THE MINIMUM MOUNTING HEIGHT FOR ALL LUMINAIRES SHALL BE 27 FEET ABOVE THE GROUND SURFACE.

PERMANENT LIGHTING SHALL BE PAID FOR UNDER THE APPROPRIATE CONTRACT PAY ITEMS AS DESCRIBED ELSEWHERE IN THE PLANS. TEMPORARY LIGHTING SHALL BE PAID FOR UNDER ITEM 614 WORK ZONE LIGHTING SYSTEM. PAYMENT FOR TEMPORARY LIGHTING SHALL INCLUDE DELIVERY, ERECTION, MAINTENANCE, AND REMOVAL AS APPLICABLE.

DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES:

ITEM 616, WATER 36 M. GAL.

ITEM 614, WORK ZONE IMPACT ATTENUATOR FOR 24" WIDE HAZARDS (UNIDIRECTIONAL)

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING A NON-GATING IMPACT ATTENUATOR. FURNISH AN IMPACT ATTENUATOR FROM THE OFFICE OF ROADWAY ENGINEERING'S APPROVED LIST FOR WORK ZONE IMPACT ATTENUATORS, FROM THE ROADWAY STANDARDS APPROVED PRODUCTS WEB PAGE.

INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE CONTRACTOR SHALL REPAIR OR REPLACE A DAMAGED UNIT WITHIN 24 HOURS OF A DAMAGING IMPACT.

WHEN BIDIRECTIONAL DESIGNS ARE SPECIFIED, THE CONTRACTOR SHALL SUPPLY APPROPRIATE TRANSITIONS.

WHEN GATING IMPACT ATTENUATORS ARE DESIRED, THE CONTRACTOR SHALL SUBMIT DOCUMENTATION TO THE ENGINEER FOR ACCEPTANCE.

THE COST FOR THE ADDITIONAL BARRIER REQUIRED FOR A GATING IMPACT ATTENUATOR SHALL BE INCLUDED IN THE COST OF THE GATING IMPACT ATTENUATOR.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT AND MAINTAIN A COMPLETE AND FUNCTIONAL IMPACT ATTENUATOR SYSTEM, INCLUDING ALL RELATED BACKUPS, TRANSITIONS, LEVELING PADS, HARDWARE AND GRADING, NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTIFICATION OF TRAFFIC RESTRICTIONS TIME TABLE

ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS & PIO
RAMP & ROAD CLOSURES	>= 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	<= 12 HOURS	4 CALENDAR DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

ITEM 614, MAINTAINING TRAFFIC (ESTIMATED QUANTITIES)

THE FOLLOWING QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DETERMINED BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC.

ITEM 614, ASPHALT CONCRETE FOR MAINTAINING TRAFFIC 6 CY

WORK ZONE SPEED ZONES (WZSZS)

THE FOLLOWING WORK ZONE SPEED ZONE (WZSZ) SPEED LIMIT REVISION(S) HAVE BEEN APPROVED FOR USE ON THIS PROJECT WHEN WORK ZONE CONDITIONS AND FACTORS ARE MET AS DESCRIBED BELOW:

WZSZ REVISION NUMBER(S) PIK-32-18.58 EB & WB
WZ- 50458

POTENTIAL WZSZ LOCATIONS SHALL HAVE AN ORIGINAL (PRE-CONSTRUCTION) POSTED SPEED LIMIT OF 55 MPH OR GREATER, A QUALIFYING WORK ZONE CONDITION OF AT LEAST 0.5 MILE IN LENGTH, AN EXPECTED WORK DURATION OF AT LEAST THREE HOURS, AND A WORK ZONE CONDITION IN PLACE THAT REDUCES THE EXISTING FUNCTIONALITY OF THE TRAVEL LANES OR SHOULDERS (I.E., LANE CLOSURE, LANE SHIFT, CROSSOVER, CONTRAFLOW AND/OR SHOULDER CLOSURE). THE LENGTH OF THE WORK ZONE CONDITION IS MEASURED FROM THE BEGINNING OF THE TAPER FOR THE SUBJECT WORK ZONE CONDITION IMPACTING THE TRAVEL LANES AND/OR SHOULDER TO THE END OF THE DOWNSTREAM TAPER, WHERE DRIVERS ARE RETURNED TO TYPICAL ALIGNMENT. AN EXPECTED WORK DURATION OF AT LEAST THREE HOURS IS REQUIRED TO BALANCE THE ADDITIONAL EXPOSURE CREATED BY INSTALLING AND REMOVING WZSZ SIGNING WITH THE TIME NEEDED TO COMPLETE THE WORK.

IF THE WORK ZONE MEETS THESE MINIMUM CRITERIA, IT SHALL BE ANALYZED FURTHER USING TABLE 1 BELOW TO DETERMINE IF AND WHEN IT QUALIFIES FOR A SPEED LIMIT REDUCTION. DEPENDING ON THE ORIGINAL POSTED SPEED LIMIT, THE TYPE OF TEMPORARY TRAFFIC CONTROL USED, AND WHETHER OR NOT WORKERS ARE PRESENT, A WARRANTED WZSZ WILL VARY IN THE APPROVED SPEED LIMIT TO BE POSTED OVER TIME.

C&MS ITEM 614, PARAGRAPH 614.02(B), INDICATES THAT TWO DIRECTIONS OF A DIVIDED HIGHWAY ARE CONSIDERED SEPARATE HIGHWAY SECTIONS. THEREFORE, IF THE WORK ON A MULTI-LANE DIVIDED HIGHWAY IS LIMITED TO ONLY ONE DIRECTION, A SPEED LIMIT REDUCTION IN THE DIRECTION OF THE WORK DOES NOT AUTOMATICALLY CONSTITUTE A SPEED LIMIT REDUCTION IN THE OPPOSITE DIRECTION. EACH DIRECTION SHALL BE ANALYZED INDEPENDENTLY FROM EACH OTHER.

ALL WZSZS FLUCTUATE BETWEEN TWO APPROVED REDUCED SPEED LIMITS OR BETWEEN AN APPROVED REDUCED SPEED LIMIT AND THE ORIGINAL POSTED SPEED LIMIT. ONLY ONE OF TWO SIGNING STRATEGIES SHALL BE USED TO IMPLEMENT A WZSZ.

WZSZS USING DSL SIGN ASSEMBLIES SHALL BE IN ACCORDANCE WITH THIS NOTE, APPROVED LIST, SUPPLEMENTAL SPECIFICATIONS (SS) 808 AND 908, AND TRAFFIC SCD MT-104.10.

ONLY ONE WARRANTED SPEED LIMIT APPLIES AT ANY ONE TIME; SPEED LIMIT REDUCTIONS ARE NOT CUMULATIVE. WZSZS SHALL NOT BE USED FOR MOVING/MOBILE ACTIVITIES, AS DEFINED IN OMUTCD PART 6.

WHEN LOOKING UP THE WARRANTED WORK ZONE SPEED LIMITS, ALWAYS USE THE ORIGINAL, PRECONSTRUCTION, POSTED SPEED LIMIT. DO NOT USE A PRIOR OR CURRENT WORK ZONE SPEED LIMIT AS A LOOK UP VALUE IN THE TABLE. POSITIVE PROTECTION IS GENERALLY REGARDED AS PORTABLE BARRIER OR OTHER RIGID BARRIER IN USE ALONG THE WORK AREA WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION. WITHOUT POSITIVE PROTECTION IS GENERALLY REGARDED AS USING DRUMS, CONES, SHADOW VEHICLE, ETC., ALONG THE WORK AREA WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION. WORKERS ARE CONSIDERED AS BEING PRESENT WHEN ON-SITE, WORKING WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION. WHEN THE WORK ZONE CONDITION REDUCING THE EXISTING FUNCTIONALITY OF THE TRAVEL LANES OR SHOULDERS IS REMOVED, THE SPEED LIMIT DISPLAYED SHALL RETURN TO THE ORIGINAL POSTED SPEED LIMIT.

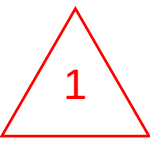
TABLE 1: WARRANTED WORK ZONE SPEED LIMITS (MPH)
FOR WORK ZONES ON HIGH-SPEED (55 MPH OR GREATER) MULTI-LANE HIGHWAYS

WITH POSITIVE PROTECTION			WITHOUT POSITIVE PROTECTION	
ORIGINAL POSTED SPEED LIMIT	WORKERS PRESENT	WORKERS NOT PRESENT	WORKERS PRESENT	WORKERS NOT PRESENT
70	60	65	55	65
65	55	60	50	60
60	55	60	50	60
55	50	55	45	55

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY.

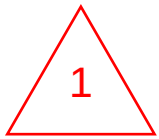
ITEM 808, DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY
8 SIGN MNTH
ASSUMING 2 DSL SIGN ASSEMBLY(IES) FOR
4 MONTH(S)

ITEM 614 - WORK ZONE PAVEMENT MARKING, MISC.: YIELD LINE, CLASS I
ITEM 614 – WORK ZONE PAVEMENT MARKING, MISC.: YIELD LINE, CLASS III, 642 PAINT



ALL WORK ZONE PAVEMENT MARKINGS WITH THIS DESIGNATION SHALL CONFORM TO ODOT CMS SPECIFICATIONS 614 AND 641.08M.

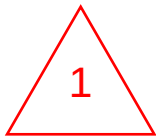
ITEM 614 - WORK ZONE PAVEMENT MARKING, MISC.: CHEVRON MARKING, CLASS I
ITEM 614 – WORK ZONE PAVEMENT MARKING, MISC.: CHEVRON MARKING, CLASS III, 642 PAINT



ALL WORK ZONE PAVEMENT MARKINGS WITH THIS DESIGNATION SHALL BE 24" WIDE LINES AND SHALL BE PLACED AT THE SPACING SHOWN IN THE CHEVRON MARKINGS SPACING TABLE ON ODOT SCD TC-71.10. ALL MARKINGS SHALL CONFORM TO ODOT CMS SPECIFICATION 614.

ITEM 614 - WORK ONE PAVEMENT MARKINGS, CLASS III, 642 PAINT

THE CLASS III WORK ZONE PAVEMENT MARKING QUANTITIES SHOWN BELOW ARE PROVIDED FOR USE IF THE FINAL SURFACE COURSE IS OPENED TO TRAFFIC BEFORE THE PERMANENT PAVEMENT MARKINGS ARE INSTALLED. THESE QUANTITIES ARE INTENDED TO MATCH THE FINAL PAVEMENT MAKRING LAYOUT FOR THE PORTIONS OF PAVEMENT OPENED TO TRAFFIC.



IF THE CONTRACTOR INSTALLS THE PERMANENT PAVEMENT MARKINGS BEFORE OPENING THE FINAL SURFACE COURSE TO TRAFFIC, THE CORRESPONDING CLASS III WORK ZONE PAVEMENT MARKINGS WILL NOT BE REQUIRED. IF THE FINAL SURFACE COURSE IS OPENED TO TRAFFIC BEFORE PERMANENT PAVEMENT MARKINGS ARE INSTALLED, THE CONTRACTOR SHALL INSTALL CLASS III WORK ZONE PAVEMENT MARKINGS IN ACCORDANCE WITH CMS 614.11 BEFORE EXPOSING THE PAVEMENT TO TRAFFIC.

CLASS III WORK ZONE PAVEMENT MARKINGS SHALL BE REMOVED OR OTHERWISE ADDRESSED AS REQUIRED BY CMS 614.11 BEFORE PLACEMENT OF THE PERMANENT PAVEMENT MARKINGS.

ITEM 614 – WORK ZONE EDGE LINE, CLASS III,
6", 642 PAINT 1.76 MILE

ITEM 614 – WORK ZONE LANE LINE, CLASS III,
6", 642 PAINT 1.45 MILE

ITEM 614 – WORK ZONE CENTER LINE, CLASS III,
642 PAINT 0.10 MILE

ITEM 614 – WORK ZONE CHANNELIZING LINE,
CLASS III, 12", 642 PAINT 4,506 FT

ITEM 614 – WORK ZONE STOP LINE, CLASS III,
642 PAINT 74 FT

ITEM 614 – WORK ZONE TRANSVERSE/DIAGONAL
LINE, CLASS III, 642 PAINT 204 FT

ITEM 614 – WORK ZONE ARROW, CLASS III,
642 PAINT 53 EACH

ITEM 614 – WORK ZONE PAVEMENT MARKING,
MISC.: CHEVRON MARKING, CLASS III, 642 PAINT 707 FT

ITEM 614 – WORK ZONE PAVEMENT MARKING,
MISC.: YIELD LINE, CLASS III, 642 PAINT 87 FT

PIK-32-18.40

[illegible]

GENERAL SUMMARY

DESIGN AGENCY EUTHENICS 8235 Mohawk Dr. Cleveland, OH 44136	
DESIGNER ESM	
REVIEWER JLN 12/19/25	
PROJECT ID 120110	
SHEET P.72	TOTAL 131

[illegible]

SHEET NUMBER													PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
			P.9	P.10	P.11		P.18		P.75		P.113		01/NHS		EXT	TOTAL			
											1.76		1.76	644	00104	1.76	MILE	TRAFFIC CONTROL (CONTINUED)	
											1.45		1.45	644	00204	1.45	MILE	EDGE LINE, 6"	
											0.1		0.1	644	00300	0.1	MILE	LANE LINE, 6"	
											4,506		4,506	644	00404	4,506	FT	CENTER LINE	
											74		74	644	00500	74	FT	CHANNELIZING LINE, 12"	
																	STOP LINE		
											204		204	644	00700	204	FT	TRANSVERSE/DIAGONAL LINE	
											707		707	644	00720	707	FT	CHEVRON MARKING	
											53		53	644	01300	53	EACH	LANE ARROW	
											87		87	644	20800	87	FT	YIELD LINE	
																		TRAFFIC SIGNALS	
									1				1	632	90100	1	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION	
																		MAINTENANCE OF TRAFFIC	
				40									40	614	11110	40	HOURL	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
							12						12	614	12380	12	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)	
			1										1	614	12740	1	EACH	WORK ZONE LIGHTING SYSTEM	
			6										6	614	13000	6	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
							171						171	614	13310	171	EACH	BARRIER REFLECTOR, TYPE 1, (ONE-WAY)	
							171						171	614	13350	171	EACH	OBJECT MARKER, ONE WAY	
				16									16	614	18601	16	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	P.10
				1			1.45						1.45	614	20000	1.45	MILE	WORK ZONE LANE LINE, CLASS I, 4"	
							0.35						1.45	614	20560	1.45	MILE	WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT	
				1			0.1						0.35	614	21000	0.35	MILE	WORK ZONE CENTER LINE, CLASS I	
							2.21						0.1	614	21550	0.1	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	
													2.21	614	22000	2.21	MILE	WORK ZONE EDGE LINE, CLASS I, 4"	
							1.95						1.95	614	22010	1.95	MILE	WORK ZONE EDGE LINE, CLASS I, 6"	
				1			1.76						1.76	614	22360	1.76	MILE	WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT	
							4,529						4,529	614	23000	4,529	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 8"	
				1			4,506						4,506	614	23690	4,506	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 12", 642 PAINT	
							2,497						2,497	614	24000	2,497	FT	WORK ZONE DOTTED LINE, CLASS I	
				1			201						201	614	25000	201	FT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I	
							204						204	614	25620	204	FT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS III, 642 PAINT	
							274						274	614	26000	274	FT	WORK ZONE STOP LINE, CLASS I	
				1			74						74	614	26610	74	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	
							53						53	614	30000	53	EACH	WORK ZONE ARROW, CLASS I	
				1			53						53	614	30650	53	EACH	WORK ZONE ARROW, CLASS III, 642 PAINT	
							269						269	614	98100	269	FT	WORK ZONE PAVEMENT MARKING, MISC.: YIELD LINE, CLASS I	P.11
							430						430	614	98100	430	FT	WORK ZONE PAVEMENT MARKING, MISC.: CHEVRON MARKING, CLASS I	P.11
				1			707						707	614	98100	707	FT	WORK ZONE PAVEMENT MARKING, MISC.:CHEVRON MARKING, CLASS III, 642 PAINT	P.11
							87						87	614	98100	87	FT	WORK ZONE PAVEMENT MARKING, MISC.:YIELD LINE, CLASS III, 642 PAINT	P.11
							28						28	615	25001	28	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, AS PER PLAN	P.9
			36										36	616	10000	36	MGAL	WATER	
							8,030						8,030	622	41100	8,030	FT	PORTABLE BARRIER, UNANCHORED	
					8								8	808	18700	8	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY	
													LS	103	05000	LS		INCIDENTALS	
													LS	614	11000	LS		PREMIUM FOR CONTRACT PERFORMANCE BOND AND FOR PAYMENT BOND	
				LS									LS	614	11000	LS		MAINTAINING TRAFFIC	
													6	619	16010	6	MNTH	FIELD OFFICE, TYPE B	
													LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
													LS	623	50000	LS		PRECONSTRUCTION SURVEY MONUMENT VERIFICATION AND REPORT	
													LS	624	10000	LS		MOBILIZATION	

MODEL: Sheet PAPER/SIZE: 34x22 (in.) DATE: 9/5/2026 TIME: 11:56:48 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: logan.sasse@euthenics.com WORKSPACE: OHDOTCEV02 WORKSET: 120110 PRODUCT: OpenRoadsDesigner 10.12.03.2 F:\Jobs\1306-PIK-32-18.40-Engineering\Drainage\Sheets\120110_DS001.dgn

REF NO.	SHEET NO.	STATION TO STATION			SIDE	601	601	605	605	605	611	611	611	611	611	611	611	611	BENDS AND BRANCHES						
						RIPRAP, TYPE D	TIED CONCRTE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	6" SHALLOW PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC	6" UNCLASSIFIED PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC	6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	6" CONDUIT, TYPE B	6" CONDUIT, TYPE F	12" CONDUIT, TYPE B	12" CONDUIT, TYPE C	15" CONDUIT, TYPE B	CATCH BASIN, NO. 8	INLET, NO. 2-6	MANHOLE, NO. 3	PRECAST REINFORCED CONCRETE OUTLET	FOR INFORMATION ONLY				
																					SY	SY	FT	FT	FT
U-1	P.80	1348+49	TO	1348+65	RT/LT			40					10										1		
U-2	P.80	1348+45	TO	1349+02	RT			56																	
U-3	P.80	1348+54	TO	1349+04	RT				50															1	
U-4	P.80	1348+55	TO	1349+02	RT			46																	
U-5	P.80	1348+62	TO	1349+19	LT			57																	
U-6	P.80	1348+74	TO	1349+04	RT/LT					52			10									1			
U-7	P.80	1349+06	TO	1349+21	RT/LT			48					10								1	1			
U-8	P.80	1349+04			RT		2				8	15							1						
U-9	P.80-P.81, P.83, P.87	1349+04	TO	1357+20	RT			805																	
U-10	P.80-P.81, P.83, P.87	1349+04	TO	48+04*	RT/LT			876														1			
U-11	P.80	1349+21			LT						9	15												1	
U-12	P.80-P.81, P.83	1349+21	TO	1356+37	LT			720																	
U-13	P.80-P.81, P.83	1349+21	TO	1356+34	LT			717														1			
U-14	P.81	1351+01	TO	1354+18	RT			315															1		
U-15	P.81	1351+02	TO	1354+17	RT			321													2	1			
U-16	P.83, P.88	1356+29	TO	1357+25	LT			98														1			
U-17	P.83	1356+30			LT							10										1			
U-18	P.83, P.88	1356+30	TO	52+00*	LT			54	196																
U-19	P.87	48+04*			LT		2				20								1						
U-20	P.87	48+10*			RT		2				12								1			1			
U-21	P.83, P.87	48+10*	TO	1359+33	RT			164	87													1			
U-22	P.83, P.87	1357+95	TO	1359+34	RT			137																	
U-23	P.83, P.88	51+95*	TO	1358+39	RT/LT			113															1		
U-24	P.83, P.88	1358+36	TO	1366+58	LT			832																	
U-25	P.83, P.88	1358+39	TO	1358+46	LT		2				11								1						
U-26	P.83, P.88	1358+41	TO	1366+40	LT			818															1		
U-27	P.83-P.85	1359+19	TO	1366+00	RT			681														1			
U-28	P.83-P.85	1359+20	TO	1366+60	RT			736																	
U-29	P.83	1359+33			RT							9													
U-30	P.84-P.85	1360+67	TO	1364+23	LT			359															1		
U-31	P.84-P.85	1360+67	TO	1364+22	LT			306	56												2	1			
U-32	P.85	1366+00			RT/LT						12														
U-33	P.85	1366+02	TO	1366+25	RT/LT					28			10										1		
U-34	P.85	1366+23	TO	1366+44	RT/LT					29			10										1		
U-35	P.85	1366+24	TO	1366+71	LT			47																	
U-36	P.85	1366+40	TO	1366+45	LT		2				11								1						
U-37	P.85	1366+40	TO	1366+58	LT			23																	
U-38	P.85	1366+58	TO	1366+68	RT/LT					20			10										1		
D-1	P.110	1349+21			LT											1									
P-1	P.110	1349+21	TO	1347+00	RT/LT								221						1						
D-2	P.110	1347+00			RT																				
P-2	P.110	1347+00	TO	1345+00	RT/LT	3	1						200												
D-3	P.110	1356+50			RT												1								
P-3	P.110	1356+50	TO	1357+74	RT/LT								123												
D-4	P.110	1357+74			LT													1							
P-4	P.110	1357+74	TO	1359+27	LT								154												
D-5	P.110	1359+27			LT													1							
P-5	P.110	1359+27	TO	1361+00	LT									175											
D-6	P.110	1361+00			RT/LT														1						
P-6	P.110	1361+00	TO	1363+00	RT									200											
D-7	P.110	1363+00			RT														1						
P-7	P.110	1363+00	TO	1366+00	RT/LT									300											
D-8	P.110	1366+00			LT																				
P-8	P.110	1366+00	TO	1368+00	RT/LT	6										200									
* STATIONING OFF C.R. 81 OR S.R. 220																									
TOTALS CARRIED TO GENERAL SUMMARY						9	10	8369	389	129	83	49	60	673	700	200	2	3	3	5					

DRAINAGE SUBSUMMARY

DESIGN AGENCY

EUTHENICS

8235 Mahawk Dr. | Cleveland, OH 44135

DESIGNER

FTS

REVIEWER

JLN 08/07/25

PROJECT ID

120110

SHEET

P.78

TOTAL

131