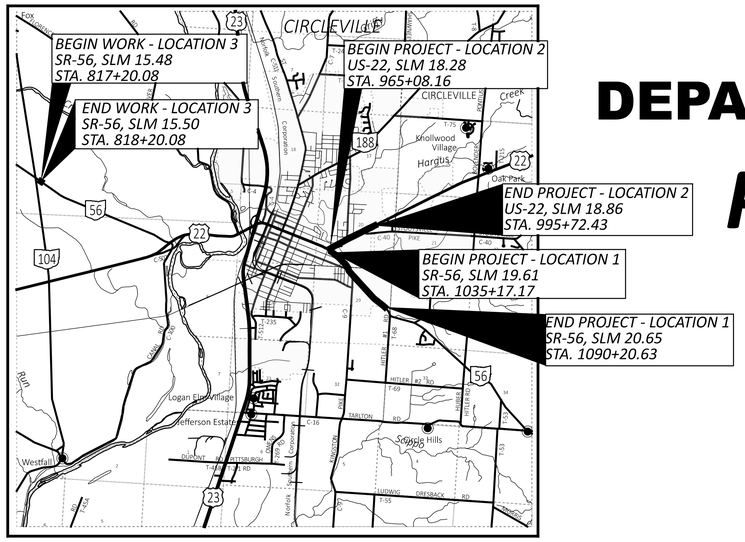
STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

PIC-56-(15.48) (19.61), PIC-22-18.28

CITY OF CIRCLEVILLE
JACKSON AND CIRCLEVILLE TOWNSHIPS
PICKAWAY COUNTY



LOCATION MAP

LATITUDE: 39°35'54" LONGITUDE: 82°56'1"

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

DESIGN DESIGNATION

	SR-56 (LOCATION 1)	US-22 (LOCATION 2)	SR-56 (LOCATION 3)
CURRENT ADT (2024)	9,100	8,000	2,700
DESIGN YEAR ADT (2036)	9,100	9,700	3,300
DESIGN HOURLY VOLUME (2036)	1,100	1,200	500
DIRECTIONAL DISTRIBUTION	67%	69%	58%
TRUCKS (24 HOUR B&C)	6%	5%	11%
DESIGN SPEED	35 MPH	35 MPH	55 MPH
LEGAL SPEED	35 MPH	35 MPH	55 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	05 MAJOR COLLECTOR (URBAN)	05 MINOR ARTERIAL (URBAN)	05 MAJOR COLLECTOR (RURAL)
NHS PROJECT	NO	NO	NO

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

NONE REQUIRED

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig
OHIO811.org Before You Dig
OHIO811, 8-1-1, or 1-800-362-2764
(Non members must be called directly)

PLAN PREPARED BY:
ODOT IN HOUSE DESIGN

ENGINEER'S SEAL

STATE OF OHIO
ANDREW M. HOLLOWAY
E-89781
REGISTERED
PROFESSIONAL ENGINEER

INDEX OF SHEETS:

STANDARD CONSTRUCTION DRAWINGS						SUPPLEMENTAL SPECIFICATIONS	
BP-3.1	01/21/22	MT-95.60	04/19/19	TC-41.20	10/18/13	800	10/20/23
		MT-95.61	04/19/19	TC-42.20	10/18/13	821	04/20/12
		MT-97.10	04/19/19	TC-52.10	10/18/13	831	04/21/23
		MT-97.12	01/20/17	TC-52.20	01/15/21	832	07/21/23
		MT-99.20	04/19/19	TC-65.10	01/17/14	878	01/21/12
		MT-101.60	04/21/23	TC-65.11	07/15/22	921	04/20/12
		MT-101.90	07/17/20	TC-71.10	04/21/23		
		MT-105.10	01/17/20	TC-74.10	07/21/23		

FEDERAL PROJECT NUMBER

E191(769)

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

RESURFACING OF 1.04 MILES OF SR-56 IN THE CITY OF CIRCLEVILLE FROM SLM 19.61 TO 20.65. RESURFACING OF 0.51 MILES OF US-22 IN THE CITY OF CIRCLEVILLE FROM SLM 18.28 TO SLM 18.86.

GEOTECHNICAL REPAIR AND FULL-DEPTH PAVEMENT REPLACEMENT OF 0.02 MILES OF SR-56 FROM SLM 15.48 TO 15.50.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	0.06 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.00 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	N/A (NOI NOT REQUIRED)

2023 SPECIFICATIONS

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

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE PART TIME CLOSING OF THE HIGHWAY TO TRAFFIC, AS NOTED ON SHEET P.13. DURING WHICH TIME DETOURS WILL BE PROVIDED AS SHOWN HEREIN. PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

Anthony C. Turowski, P.E.
District 06 Deputy Director

Jack Marchbanks, PhD
Director, Department of Transportation

PID #106262 PIC-56-(15.48) (19.61), PIC-22-18.28

DESIGN AGENCY

DESIGNER AMH
REVIEWER DR 10/11/23
PROJECT ID 106262
SHEET P.1 TOTAL P.42

PIC-56-(15.48) (19.61), PIC-22-18.28

MODEL: 106262_GT001 PAPERSIZE: 34x22 (in.) DATE: 1/17/2024 TIME: 8:59:09 AM USER: ahollow1
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MANHOLES AND OTHER CASTING STRUCTURES:
THE CASTING TOPS OF MANHOLES, VALVE BOXES, AND OTHER STRUCTURES OWNED BY PUBLIC SERVICE CORPORATIONS MAY BE ADJUSTED TO GRADE BY THEIR RESPECTIVE OWNERS OR GIVE AUTHORIZATION TO ODOT TO ADJUST AS PART OF THIS CONTRACT. THIS WORK NEEDS TO BE COMPLETED PRIOR TO THE CONSTRUCTION OF THE SURFACE COURSE. THE CONTRACTOR SHALL NOTIFY SUCH PUBLIC SERVICE CORPORATIONS A MINIMUM OF 7 CALENDAR DAYS IN ADVANCE OF WORK OPERATIONS SO THAT WORK MAY BE PROPERLY SCHEDULED.

THE CASTING TOPS OF MANHOLES, VALVE BOXES, AND OTHER STRUCTURES REQUIRING ADJUSTMENT THAT ARE OWNED BY PRIVATE UTILITIES NEED TO BE ADJUSTED TO GRADE BY THEIR RESPECTIVE OWNERS. THE ODOT CONTRACTOR SHALL NOTIFY THE PRIVATE OWNER A MINIMUM OF 7 CALENDAR DAYS IN ADVANCE OF WORK OPERATIONS SO THE WORK MAY BE PROPERLY SCHEDULED.

IF ADJUSTMENTS HAVE NOT BEEN COMPLETED 14 CALENDAR DAYS AFTER NOTIFICATION, THE ODOT CONTRACTOR WILL NOTIFY THE ODOT PROJECT ENGINEER AND PROVIDE SPECIFIC STATION LOCATIONS AND OWNER INFORMATION. THE ODOT PROJECT ENGINEER WILL WORK WITH THE DISTRICT UTILITY COORDINATOR TO ISSUE AND OBSTRUCTION REMOVAL NOTICE WITHIN 5 DAYS OF RECEIPT WHICH WILL INFORM THE PRIVATE UTILITY TO ADJUST THE STRUCTURES AS NECESSARY OR ODOT WILL AUTHORIZE THE ODOT CONTRACTOR TO ADJUST AS NEEDED AND BILL THE OWNER OF THE FACILITY FOR THE ADJUSTMENT TO THE STRUCTURE.

SHOULD THE CONTRACTOR FAIL TO NOTIFY PUBLIC SERVICE CORPORATIONS OR PRIVATE UTILITIES OF EXISTING MANHOLES, VALVE BOXES, AND OTHER STRUCTURES THAT REQUIRE ADJUSTMENTS TO GRADE, AND COVER THESE WITH THE PROPOSED ASPHALT TREATMENT, THE CONTRACTOR WILL BE REQUIRED TO UNCOVER THE MANHOLES, VALVE BOXES, AND OTHER STRUCTURES AT THEIR OWN EXPENSE SO THAT THE NECESSARY ADJUSTMENTS CAN BE MADE. THE METHOD OF REMOVAL AND REPAIR OF THE ASPHALT SHALL MEET ALL REQUIREMENTS OF THE ODOT ENGINEER AND SHALL BE AT THE CONTRACTORS EXPENSE.

THESE ITEMS PROVIDED BELOW ARE CONTINGENCY QUANTITIES TO BE USED AS DIRECTED BY THE PROJECT ENGINEER AT VARIOUS LOCATIONS. THESE ITEMS SHALL INCLUDE THE COST OF ALL MATERIAL, LABOR, EQUIPMENT, AND HARDWARE NECESSARY TO ADJUST CASTINGS TO GRADE TO THE PROPOSED ASPHALT ELEVATION AS DIRECTED.

THE FOLLOWING QUANTITIES HAVE BEEN PROVIDED AND THE TOTALS HAVE BEEN CARRIED TO THE GENERAL SUMMARY.
ITEM 611 – CATCH BASIN ADJUSTED TO GRADE = 4 EACH
ITEM 611 – MANHOLE ADJUSTED TO GRADE = 4 EACH
ITEM 638 – VALVE BOX ADJUSTED TO GRADE = 4 EACH

ITEM 623 - CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN:
THIS ITEM SHALL CONSIST OF STATIONING USING 3 FT LATH STAKES. THE STAKES SHALL BE SPACED AT 200 FT INTERVALS AND SHALL EXTEND THROUGHOUT THE LENGTH OF EACH PROJECT LOCATION.

PLACEMENT OF THE STAKES SHALL BE AS DIRECTED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY DAMAGED OR MISSING STAKES.

THIS ITEM SHALL ALSO INCLUDE ANY WORK NECESSARY FOR THE CONTRACTOR TO VERIFY EXISTING RIGHT OF WAY, AS DIRECTED BY THE PROJECT ENGINEER.

CONSTRUCTION LAYOUT STAKES, AS PER PLAN WILL BE PAID FOR AT THE CONTRACT LUMP SUM BID, WHICH SHALL BE FULL COMPENSATION FOR ALL SERVICES, MATERIALS, LABOR, EQUIPMENT, TOOLS, AND INCIDENTALS, INCLUDING THE REMOVAL, NECESSARY TO COMPLETE THIS ITEM.

ITEM 831 - LONGITUDINAL CHANNELIZING DEVICE, AS PER PLAN:
LONGITUDINAL CHANNELIZERS SHALL BE PROVIDED ALONG THE CENTERLINE TAPER ON US-22 AT PONTIOUS LANE AS SHOWN ON PLAN SHEET P.26 . A LONGITUDINAL CHANNELIZER CONSISTS OF A COMBINATION OF VERTICAL COMPONENTS AND LONGITUDINAL BASE COMPONENTS, FIT TOGETHER TO CREATE A CONTINUOUS CHANNELIZING DEVICE, AS DETAILED BELOW. USE OF TUBULAR MARKERS, AS IDENTIFIED IN THE OMUTCD, FIGURE 6F-7, SHALL NOT QUALIFY FOR USE AS A LONGITUDINAL CHANNELIZER.

THE DESIGN OF THE LONGITUDINAL CHANNELIZER MAY VARY FROM MANUFACTURER TO MANUFACTURER. IT SHALL CONSIST OF TWO MAIN COMPONENTS - A BASE COMPONENT CONSISTING OF INTERLOCKING UNITS AND A VERTICAL REBOUNDABLE MARKER/CHANNELIZER COMPONENT. THE SHAPE OF THE VERTICAL COMPONENT MAY VARY FROM MANUFACTURER TO MANUFACTURER. THE WIDTH SHALL BE APPROXIMATELY 8" TO 9" FOR ELLIPTICAL DESIGNS AND 4" TO 6" FOR ROUND (TUBULAR) DESIGNS. THE HEIGHT OF THE VERTICAL COMPONENT SHALL BE WITHIN THE RANGE OF 36" MINIMUM TO 48" MAXIMUM.

THE VERTICAL COMPONENT SHALL BE EQUIPPED WITH RETROREFLECTIVE SHEETING OR WITH RETROREFLECTIVE STRIPES. WHERE STRIPES ARE USED, THE STRIPES SHALL CONSIST OF TWO 3" WIDE BANDS PLACED A MAXIMUM OF 2" FROM THE TOP WITH A MAXIMUM OF 6" BETWEEN THE BANDS.

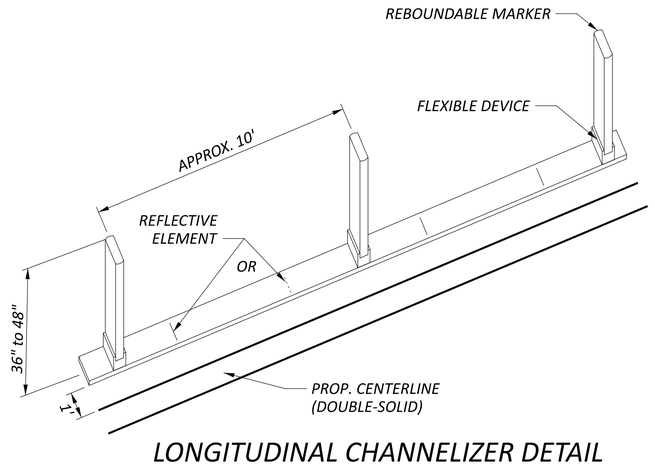
THE LONGITUDINAL BASE COMPONENT SHALL BE EQUIPPED WITH REFLECTORS. THE COLOR OF THE BASE COMPONENT, INCLUDING THE ATTACHED REFLECTORS, AND OF THE RETROREFLECTIVE SHEETING OR BANDS FOR THE VERTICAL COMPONENTS SHALL BE IN CONFORMANCE WITH THE PAVEMENT MARKING COLORS ESTABLISHED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

THE LONGITUDINAL CHANNELIZER SHALL BE NCHRP 350 COMPLIANT. FURNISH LONGITUDINAL CHANNELIZERS FROM THE APPROVED LIST FOUND ON THE OFFICE OF MATERIALS MANAGEMENT WEBSITE. FOR INSTALLATION PROCEDURES, FOLLOW THE MANUFACTURER'S INSTRUCTIONS.

LONGITUDINAL CHANNELIZERS SHALL BE MONITORED THROUGH THE DURATION OF THE PROJECT TO DETERMINE WHETHER THERE IS SIGNIFICANT DAMAGE FROM ERRANT VEHICLES.

THE FOLLOWING QUANTITY HAS BEEN PROVIDED AND CARREID TO THE GENERAL SUMMARY:

ITEM 831 - LONGITUDINAL CHANNELIZER = 70 FT



LONGITUDINAL CHANNELIZER DETAIL

GENERAL NOTES

DESIGN AGENCY

DESIGNER AMH
REVIEWER DR 10/11/23
PROJECT ID 106262
SHEET P.9 TOTAL P.42

PIC-56-(15.48) (19.61), PIC-22-18.28

SHEET NUMBER									PARTICIPATION			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SHEET NO.
P.9	P.10-P.12	P.16	P.17	P.18	P.19	P.31	P.32		01/S<2/05/COC	02/STR/44	03/S5K/04						
																TRAFFIC SIGNALS	
			3						3			632	26501	3	EACH	DETECTOR LOOP, AS PER PLAN	P.8
			7						7			632	27200	7	EACH	LOOP DETECTOR TIE IN	
																STRUCTURE OVER 20 FOOT SPAN (PIC-22-1837 SFN:6500390)	
							10		10			519	12300	10	SY	PATCHING CONCRETE BRIDGE DECK - TYPE B	
																MAINTENANCE OF TRAFFIC	
	100								80	20		614	11110	100	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
	LS									LS		614	12420	LS		DETOUR SIGNING	
	5								4	1		614	18601	5	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	P.12
	1.97								1.95	0.02		614	21550	1.97	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	
	2.64								2.60	0.04		614	22350	2.64	MILE	WORK ZONE EDGE LINE, CLASS III, 4", 642 PAINT	
	1110								1110			614	23680	1110	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 8", 642 PAINT	
	135								135			614	24610	135	FT	WORK ZONE DOTTED LINE, CLASS III, 4", 642 PAINT	
	173								173			614	26610	173	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	
	210								210			614	27260	210	FT	WORK ZONE CROSSWALK LINE, CLASS III, 24", 642 PAINT	
70											70	831	00101	70	FT	LONGITUDINAL CHANNELIZING DEVICE, AS PER PLAN	P.9
																INCIDENTALS	
									LS	LS	LS	614	11000	LS		MAINTAINING TRAFFIC	
									LS	LS	LS	623	10001	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN	P.9
									LS	LS	LS	624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY

DESIGNER AMH

REVIEWER DR 10/11/23

PROJECT ID 106262

SHEET P.15 TOTAL P.42

PIC-56-(15.48) (19.61), PIC-22-18.28

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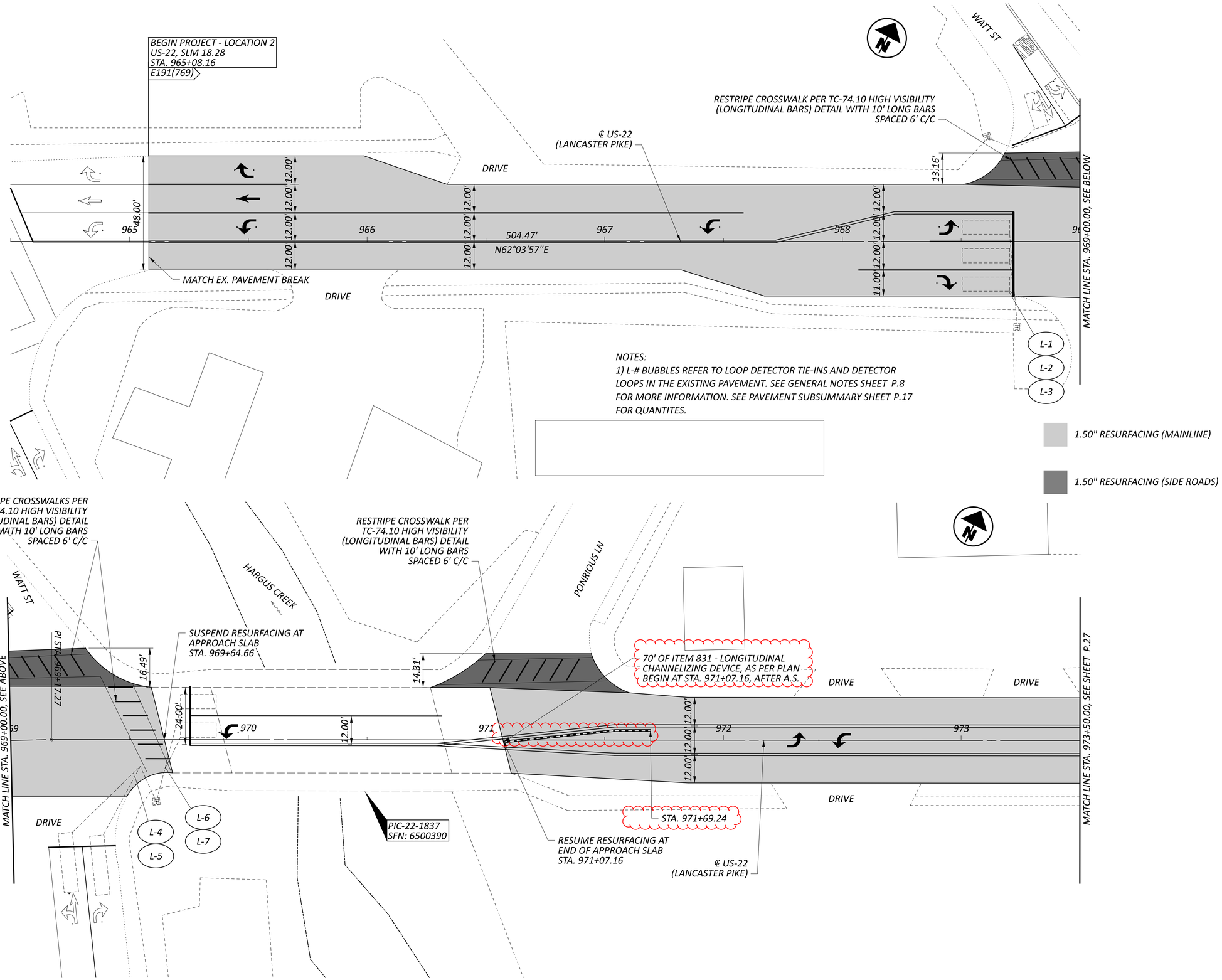

HORIZONTAL SCALE IN FEET
0 10 20 40

ROADWAY PLAN - US-22 (LOCATION 2) STA. 965+08.16 TO STA. 973+50.00

DESIGN AGENCY

DESIGNER	AMH
REVIEWER	DR 10/11/23
PROJECT ID	106262
SHEET	P.26
TOTAL	P.42

PIC-56-(15.48) (19.61), PIC-22-18.28

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