

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

ATH-682-6.07

DOVER TOWNSHIP
ATHENS COUNTY

FEDERAL PROJECT NUMBER

E240(862)

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

PROJECT WILL CONVERT THE EASTBOUND AND WESTBOUND RAMP INTERSECTIONS TO MODERN ROUNDABOUTS.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: 7.18 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.25 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA: 7.43 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.

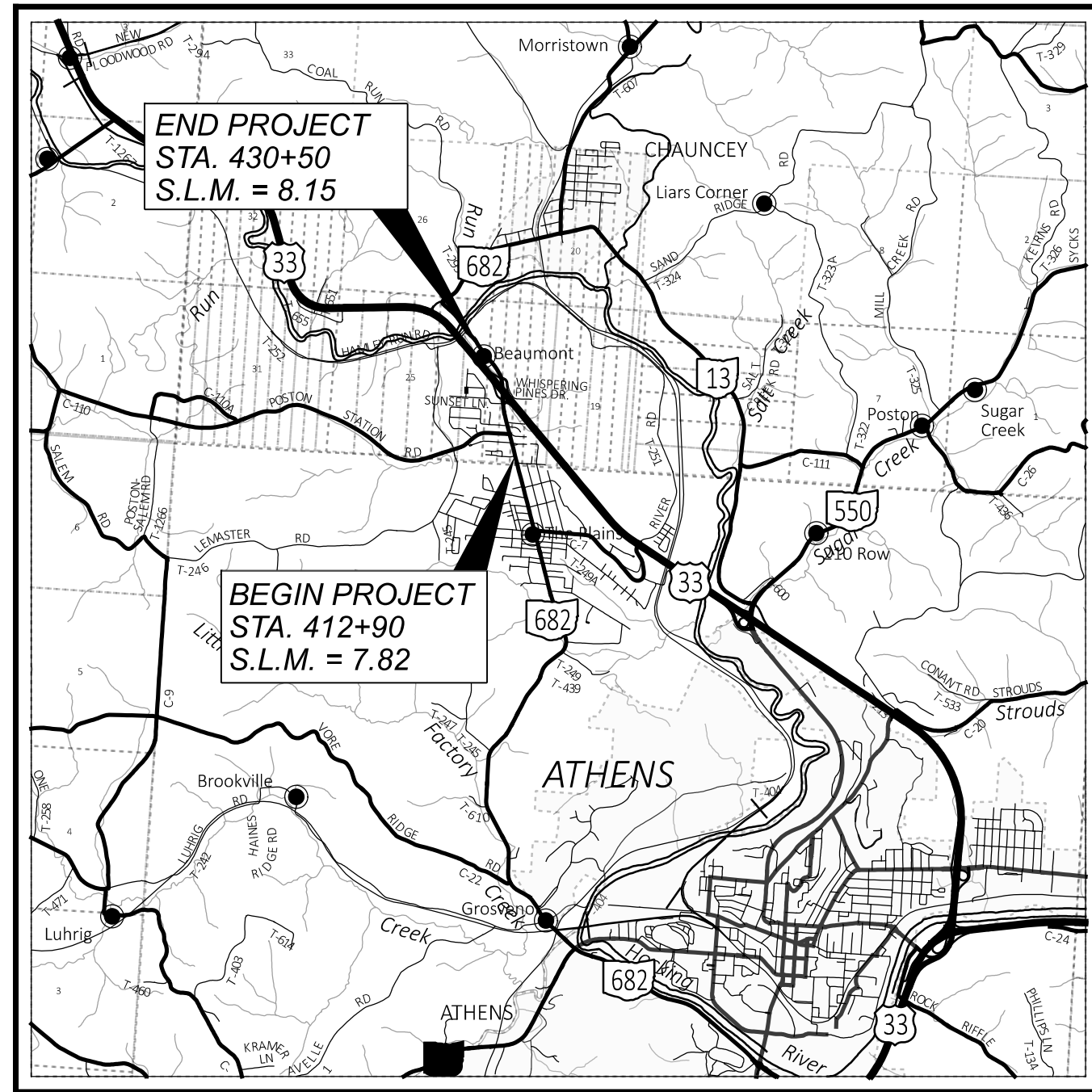
2023 SPECIFICATIONS

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.

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 14. 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.

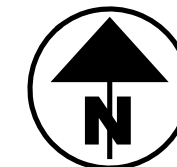

Rich Oster
District 10 Deputy Director





Jack Marchbanks, PhD
Director, Department of Transportation



LOCATION MAP

LATITUDE: 39°22'57" LONGITUDE: -82°08'10"



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

DESIGN DESIGNATION

	SR-682	RAMP A-B-C-D	TR-662	SUNSET LN.
CURRENT ADT (2022)	7910	1825	50	180
DESIGN YEAR ADT (2045)	9495	2190	60	225
DESIGN HOURLY VOLUME (2045)	1500	300	10	35
DIRECTIONAL DISTRIBUTION	53%	100%	55%	55%
TRUCKS (24 HOUR B&C)	8%	8%	0%	1%
DESIGN SPEED	35	30	25	25
LEGAL SPEED	35	30	25	25
DESIGN FUNCTIONAL CLASSIFICATION:	(05) RURAL MINOR ARTERIAL	RAMPS	LOCAL	LOCAL

NHS PROJECT ----- YES

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:



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STANDARD CONSTRUCTION DRAWINGS								SUPPLEMENTAL SPECIFICATIONS		SPECIAL PROVISIONS		
BP-3.1	1/19/24	RM-3.1	7/20/18	MT-95.30	7/19/19	TC-21.11	7/16/21	HL-10.11	7/21/23	800	1/19/24	WATERWAY PERMIT CONDITIONS 8/22/24
BP-4.1	7/19/13	RM-4.2	4/17/20	MT-96.11	7/21/23	TC-21.21	7/16/21	HL-10.12	7/21/23	825	4/1/23	
BP-5.1	7/15/22	CB-2-2ABC	1/20/23	MT-96.20	7/21/23	TC-41.10	7/19/13	HL-10.13	1/20/23	832	7/19/24	
BP-7.1	1/19/24	CB-2-34	1/20/23	MT-96.26	1/18/19	TC-41.20	10/18/13	HL-20.11	7/21/23			
		CB-3	7/16/21	MT-97.10	4/19/19	TC-41.30	4/21/23	HL-30.11	7/21/23			
MGS-1.1	7/21/21	CB-3A	7/16/21	MT-98.10	1/17/20	TC-41.50	10/18/13	HL-30.22	1/15/21			
MGS-2.1	1/19/18	CB-8	7/16/21	MT-98.28	1/17/20	TC-42.10	7/19/13	HL-40.20	1/19/24			
MGS-3.1	1/19/18			MT-98.29	1/17/20	TC-42.20	10/18/13	HL-50.11	1/16/15			
MGS-3.2	1/18/13	DM-1.1	7/17/20	MT-98.30	7/16/21	TC-51.10	1/15/16	HL-60.11	7/21/17			
MGS-4.2	7/19/13	DM-1.2	7/16/21	MT-101.30	1/21/22	TC-51.12	1/15/16	HL-60.12	7/21/23			
MGS-4.3	1/18/13	DM-4.3	1/15/16	MT-101.60	4/21/23	TC-52.10	10/18/13	HL-60.31	7/21/23			
MGS-5.3	7/15/16	DM-4.4	1/15/16	MT-101.70	4/21/23	TC-52.20	1/15/21					
MGS-6.1	1/19/18			MT-101.75	7/21/23	TC-61.30	7/19/19					
		HW-2.1	7/15/22	MT-101.90	7/17/20	TC-65.10	1/17/14					
		HW-2.2	7/20/18	MT-105.10	1/17/20	TC-65.11	1/19/24					
		MH-3	1/19/24			TC-73.20	7/21/23					


ENGINEER'S SEAL

ROADWAY

SIGNED: _____

DATE: _____

TITLE SHEET

DESIGN AGENCY	
DESIGNER	AKA
REVIEWER	JGW 07/10/24
PROJECT ID	118465
SHEET	TOTAL
1	240

ATH-682-6.07

MODEL: Sheet_SurvFl PAPER SIZE: 34x22 (in.) DATE: 9/6/2024 TIME: 4:50:46 PM USER: A.Aclair G:\DE\Clients\ODOT\10017141\ATH-33-682\118465\400-Engineering\Roadway\Sheets\118465_GTO01.dgn

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.

EXISTING SUBSURFACE DRAINAGE

PROVIDE UNOBSTRUCTED OUTLETS FOR ALL EXISTING UNDERDRAINS OR AGGREGATE DRAINS ENCOUNTERED DURING CONSTRUCTION.

PROVIDE AN OUTLET PER STANDARD CONSTRUCTION DRAWING DM-1.1 FOR ALL UNDERDRAINS THAT OUTLET TO A SLOPE. UNDERDRAINS THAT CAN BE CONNECTED TO THE NEW OR EXISTING UNDERDRAINS AT THE END OF THE PROJECT LIMITS AS WELL AS ALL NECESSARY BENDS OR BRANCHES REQUIRED FOR CONNECTION ARE INCLUDED IN THE BASIS OF PAYMENT FOR UNCLASSIFIED PIPE UNDERDRAINS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM 601, TIED CONCRETE BLOCK MAT, TYPE 1	17.8 SQ. YD.
ITEM 605, AGGREGATE DRAINS	80 FT.
ITEM 611, 6" CONDUIT, TYPE F	140 FT.
ITEM 611, PRECAST REINFORCED CONCRETE OUTLET	10 EACH
ITEM 605, 6" UNCLASSIFIED PIPE UNDERDRAINS	180 FT.

ENDANGERED BAT HABITAT REMOVAL

THIS PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT, AND NORTHERN LONG-EARED BAT. NO TREES SHALL BE REMOVED UNDER THIS PROJECT FROM APRIL 1 THROUGH SEPTEMBER 30. ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 THROUGH MARCH 31. THIS REQUIREMENT IS NECESSARY TO AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT (ESA). FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS: A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK 3 INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.

CONNECTION BETWEEN EXISTING AND PROPOSED GUARDRAIL

WHEN IT IS NECESSARY TO SPLICE PROPOSED GUARDRAIL TO EXISTING GUARDRAIL, ONLY THE EXISTING GUARDRAIL SHALL BE CUT, DRILLED, OR PUNCHED. THE CONNECTION SHALL BE MADE USING A W-BEAM, BEAM SPLICE AS SHOWN IN AASHTO M 180-12, EXCEPT THE BEAM WASHERS ARE NOT TO BE USED. PAYMENT SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE RESPECTIVE GUARDRAIL ITEMS.

PART-WIDTH CONSTRUCTION

BECAUSE OF THE NECESSITY TO BUILD PARTS OF THIS PROJECT UNDER TRAFFIC AND TO CONSTRUCT THE FULL PAVEMENT WIDTH IN STAGES, EXERCISE CARE TO PREVENT THE CONSTRUCTION OF A BUTT JOINT IN THE BASE COURSES. LAP LONGITUDINAL JOINTS AS SHOWN ON STANDARD CONSTRUCTION DRAWING BP-3.1.

ENVIRONMENTAL COMMITMENT

WETLAND IMPACT MINIMIZATION

A WETLAND HABITAT HAS BEEN IDENTIFIED AT THE CULVERT OUTLET AT STA. 56+59 AS DEPICTED ON THE PLAN SHEETS. CONTRACTOR TO AVOID UNAUTHORIZED IMPACT TO WETLAND HABITATS BEYOND EXISTING CONSTRUCTION LIMITS, NO CONSTRUCTION ACTIVITIES OR ANCILLARY CONSTRUCTION (STAGING AREAS, WASTE LOCATION AND/OR BORROW LOCATIONS) ARE PERMITTED BEYOND THE PROPOSED CONSTRUCTION LIMITS IN THE AREA DEFINED ABOVE.

TEMPORARY FILLS

UNNAMED TRIBUTARIES (UNT) 1, 2 AND 3 HAVE BEEN IDENTIFIED ON THE PLAN SHEETS. TEMPORARY FILLS ARE NOT AUTHORIZED IN THESE STREAMS. UNDER NO CIRCUMSTANCES ARE TEMPORARY ACCESS FILLS, CAUSEWAYS, COFFERDAMS, STREAM FORDING AND/OR DEMOLITIONS DEBRIS PERMITTED IN THESE STREAMS, OR OTHER STREAMS OR WETLANDS OUTSIDE OF DELINEATED CONSTRUCTION LIMITS FOR THIS PROJECT.

ITEM 611 - CONDUIT BORED OR JACKED

WHERE IT IS SPECIFIED THAT A CONDUIT BE INSTALLED BY THE METHOD OF BORING OR JACKING, NO TRENCH EXCAVATION SHALL BE CLOSER THAN 10 FEET TO THE EDGE OF PAVEMENT. PROVIDE A STEEL CASING PIPE CONFORMING TO 748.06. JOINTS WITH A CIRCUMFERENTIAL FULLY PENETRATING B-U4B WELD THAT IS PERFORMED BY A CERTIFIED WELDER FOR WELDING CODE AMERICAN WELDING SOCIETY (AWS) D1.1 OR MACHINED INTERLOCKING JOINTS ARE PERMITTED. THE INSTALLED CASING PIPE IS THE STORM WATER CONVEYANCE CARRIER UNLESS OTHERWISE SPECIFIED IN THE PLANS. HYDROSTATIC TESTING IS NOT REQUIRED FOR THE CASING PIPE.

ITEM 611 - MANHOLE NO. 3, AS PER PLAN

THE EXISTING CATCH BASIN IN THE EXISTING DITCH ADJACENT US-33 NORTHBOUND IS BELIEVED TO BE TIED INTO AN EXISTING 72-INCH CORRUGATED METAL PIPE VIA A BLIND CONNECTION. A NEW CATCH BASIN WILL SERVICE THE RELOCATED DITCH AND A MANHOLE WILL REPLACE THE EXISTING CATCH BASIN. THE MANHOLE SHALL FOLLOW THE REQUIREMENTS OF THE C&MS ITEM 611 FOR INSTALLATION EXCEPT THAT THE EXISTING INVERTS SHALL BE FIELD VERIFIED TO ESTABLISH THE INVERTS TO BE USED TO PERPETUATE THE BLIND CONDITION.

PAVEMENT RESTORATION FOR PIPE INSTALLATIONS AND/OR REMOVALS

THE FOLLOWING QUANTITY HAS BEEN PROVIDED FOR PAVEMENT RESTORATION FOLLOWING INSTALLATION AND/OR REMOVAL OF PIPES.

ITEM 442 - ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A PG64-22 (449)	3 CU. YDS.
ITEM 301 - ASPHALT CONCRETE BASE, PG64-22 (449)	8 CU. YDS.

THE ABOVE QUANTITY IS BASED ON A 301 THICKNESS OF 9.0 INCHES, A 442 THICKNESS OF 3.0 INCHES AND A PAVEMENT RESTORATION WIDTH THAT INCLUDES THE TRENCH WIDTH PLUS TWO FEET ON EACH SIDE OF THE TRENCH.

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

ITEM SPECIAL - MAILBOX SUPPORT

THIS WORK SHALL CONSIST OF FURNISHING AND ERECTING MAILBOX SUPPORTS AND ANY ASSOCIATED MOUNTING HARDWARE IN ACCORDANCE WITH PLAN DETAILS, AND ATTACHING AN OWNER-SUPPLIED MAILBOX AT LOCATIONS SPECIFIED IN THE PLAN, OR OTHERWISE ESTABLISHED BY THE ENGINEER.

WOOD POSTS SHALL BE NOMINAL 4 INCHES BY 4 INCHES SQUARE OR 4.5 INCHES DIAMETER ROUND, AND CONFORM TO 710.14.

STEEL POSTS SHALL BE NOMINAL PIPE SIZE 2 INCHES I.D., AND CONFORM TO AASHTO M 181.

ALL HARDWARE INCLUDING BUT NOT LIMITED TO PLATES, SCREWS, BOLTS, AND ETC. SHALL BE COMMERCIAL-GRADE GALVANIZED STEEL.

POSTS SHALL BE SET PER THE FIRST PARAGRAPH OF 606.03, AND SHALL IN NO INSTANCE BE ENCASED IN CONCRETE.

SUPPORT HARDWARE SHALL ACCOMMODATE EITHER A SINGLE OR A DOUBLE MAILBOX INSTALLATION, AND NO MORE THAN TWO BOXES MAY BE MOUNTED ON A SINGLE POST.

THE MAILBOX SHALL BE SECURELY AND NEATLY ATTACHED BY THE CONTRACTOR TO THE NEW SUPPORT. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ATTACHMENT HARDWARE (NUTS, BOLTS, PLATES, SPACERS, AND WASHERS) AS NECESSARY TO ACCOMMODATE THE COMPLETE INSTALLATION.

IN THE ABSENCE OF A NEW BOX SUPPLIED BY THE OWNER, THE CONTRACTOR SHALL SALVAGE THE EXISTING BOX AND PLACE IT ON THE NEW SUPPORT. DUE CARE SHALL BE EXERCISED IN SUCH AN OPERATION, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY BOX DAMAGED BY IMPROPER HANDLING ON HIS PART, AS JUDGED AND DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE LOCAL POST MASTER REGARDING THE TIMING OF THE MOVEMENT OF ANY MAILBOX TO A NEW LOCATION.

PAYMENT UNDER THIS ITEM SHALL BE LIMITED TO FINAL PERMANENT INSTALLATIONS, TEMPORARY INSTALLATIONS SHALL BE IN ACCORDANCE WITH 107.10. HOWEVER, THE SAME MATERIAL AND SIZE LIMITATIONS AS FOR PERMANENT INSTALLATIONS SHALL APPLY.

MAILBOX SUPPORTS, COMPLETE IN PLACE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH, FOR ITEM SPECIAL MAILBOX SUPPORT SYSTEM, (SINGLE) (DOUBLE).

ITEM 621 - RAISED PAVEMENT MARKER REMOVED

THIS ITEM SHALL CONSIST OF REMOVAL OF RPM'S ON SR 682 AND ALL RAMPS. THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 621, RAISED PAVEMENT MARKER REMOVED	79 EACH
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POST CONSTRUCTION STORM WATER TREATMENT

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

VEGETATED FILTER STRIP

THIS PLAN UTILIZES VEGETATED FILTER STRIP(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 AND ITEM 670, SLOPE EROSION PROTECTION TO ALL DISTURBED AREAS DESIGNATED AS VEGETATED FILTER STRIPS, THE EDGE OF SHOULDER, AND THE FORESLOPE AS SPECIFIED IN THE PLANS.

ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE GUARDRAIL END TERMINALS FOR TYPE MGS GUARDRAIL AS LISTED ON ROADWAY ENGINEERING'S WEB PAGE UNDER ROADSIDE SAFETY DEVICES FOR APPROVED GUARDRAIL END TREATMENTS. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE FACE OF THE TYPE E IMPACT HEAD SHALL BE COVERED WITH A SHEET OF TYPE G REFLECTIVE SHEETING, PER CMS 730.19.

REFER TO THE MANUFACTURER'S INSTRUCTIONS REGARDING THE INSTALLATION OF, AND THE GRADING AROUND THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES ABOVE THE GROUND. THE PLACEMENT OF THE FOUNDATION TUBES SHOULD BE AN APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 31 INCHES FROM THE EDGE OF THE SHOULDER.

ON-SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES PROJECT MORE THAN 4 INCHES ABOVE THE GROUND LINE.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, MGS TYPE E, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING ALL RELATED TRANSITIONS, REFLECTIVE SHEETING, HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

ITEM 632 - REMOVAL OF TRAFFIC SIGNAL INSTALLATION

TRAFFIC SIGNAL INSTALLATIONS, INCLUDING SIGNAL HEADS, CABLE, MESSENGER WIRE, STRAIN POLES, CABINET, CONTROLLER, PULL BOXES ETC., SHALL BE REMOVED IN ACCORDANCE WITH C&MS 632.26 AND AS INDICATED ON THE PLANS.

REMOVED ITEMS SHALL BE DELIVERED TO THE NEAREST ODOT FACILITY WHOSE ADDRESS IS LISTED BELOW:

ODOT ATHENS GARAGE
700 W. UNION ST.
ATHENS, OHIO 45701

SALVAGE THESE ITEMS:
SIGNAL CABINET (COMPLETE)
BATTERY BACKUP CABINET (COMPLETE)
SWITCH

ITEM 203 - EMBANKMENT, AS PER PLAN

EMBANKMENT SHALL BE EMPLACED UNDER THE AUSPICES OF THE ODOT CONSTRUCTION AND MATERIALS SPECIFICATIONS CURRENT EDITION WITH REGARD TO THE FOLLOWING EXCEPTIONS. SUBSECTION 203.03 (A) SHALL BE MODIFIED TO CLAY IDENTIFIED AS ODOT GROUP CLASSIFICATION A-7-6. THE INTENT OF CLAY EMBANKMENT PLACEMENT BELOW DRAINAGE DITCH IS TO REDUCE STORMWATER INFILTRATION INTO THE ROCK KEY BELOW. THIS AS PER PLAN ITEM SHALL BE USED IN CONJUNCTION WITH ITEMS INCLUDED IN THE ENHANCED EMBANKMENT DETAIL SHOWN ON SHEET 90.



SHEET NUM.								PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
12	13	41	42	43	44	45	53	Office Calcs	EXT	TOTAL				
												ROADWAY		
							670		201	11000	LS	CLEARING AND GRUBBING		
		9,884							202	23000	10,554	SY	PAVEMENT REMOVED	
		211							202	30000	211	SF	WALK REMOVED	
		325							202	32000	325	FT	CURB REMOVED	
		237							202	32500	237	FT	CURB AND GUTTER REMOVED	
		160		10					202	35100	170	FT	PIPE REMOVED, 24" AND UNDER	
		3,717							202	38000	3,717	FT	GUARDRAIL REMOVED	
		1							202	53100	1	EACH	MAILBOX REMOVED	
		1							202	58000	1	EACH	MANHOLE REMOVED	
		3							202	58100	3	EACH	CATCH BASIN REMOVED	
		1							202	58500	1	EACH	CATCH BASIN ABANDONED	
		187							SPECIAL	20270000	187	FT	FILL AND PLUG EXISTING CONDUIT	
		88							202	75000	88	FT	FENCE REMOVED	
		5							202	98100	5	EACH	REMOVAL MISC.:CONCRETE PAD	
		5							202	98100	5	EACH	REMOVAL MISC.:POST	
									203	10000	9,602	CY	EXCAVATION	
									203	20000	31,570	CY	EMBANKMENT	
									203	20001	16	CY	EMBANKMENT, AS PER PLAN	
									203	35000	36	CY	GRANULAR EMBANKMENT	
									203	35120	64	CY	GRANULAR MATERIAL, TYPE C	
									204	10000	14,296	SY	SUBGRADE COMPACTION	
									204	13000	157	CY	EXCAVATION OF SUBGRADE	
									204	30010	157	CY	GRANULAR MATERIAL, TYPE B	
8									204	45000	8	HOUR	PROOF ROLLING	
									204	50000	1,407	SY	GEOTEXTILE FABRIC	
									606	15050	975	FT	GUARDRAIL, TYPE MGS	
									606	26100	5	EACH	ANCHOR ASSEMBLY, TYPE E	
									606	26500	5	EACH	ANCHOR ASSEMBLY, TYPE T	
									606	35000	2	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 1	
									606	35100	2	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 2	
									608	10000	2,375	SF	4" CONCRETE WALK	
									608	52000	82	SF	CURB RAMP	
									609	26000	6,387	FT	CURB, TYPE 6	
									609	33000	1,088	FT	CURB, TYPE 10	
									625	31510	1	EACH	PULL BOX REMOVED	
									632	90102	1	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION FOR STORAGE	
								264	SPECIAL	69012010	264	SY	GEOTEXTILE FABRIC	
									SPECIAL	69050000	1	EACH	MAILBOX SUPPORT	
									SPECIAL	69050350	1	EACH	MAILBOX REMOVED AND RESET	
													EROSION CONTROL	
	17.8								601	21050	28.8	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	
				38	34	11			601	21060	72	SY	TIED CONCRETE BLOCK MAT WITH TYPE 2 UNDERLAYMENT	
								226	601	27000	226	CY	DUMPED ROCK FILL, TYPE C	
									601	32000	62	CY	ROCK CHANNEL PROTECTION, TYPE A WITH FILTER	
				16	62	2			601	32200	18	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	
									659	00100	2	EACH	SOIL ANALYSIS TEST	
2									659	00300	2,676	CY	TOPSOIL	
2,248					428				659	10000	20,255	SY	SEEDING AND MULCHING	
20,255									659	14000	1,013	SY	REPAIR SEEDING AND MULCHING	
1,013									659	15000	1,013	SY	INTER-SEEDING	
1,013									659	20000	2.83	TON	COMMERCIAL FERTILIZER	
2.83									659	31000	4.18	ACRE	LIME	
4.18									659	35000	112	MGAL	WATER	
112									659	40000	0.18	MSF	MOWING	
0.18									670	00500	3,851	SY	SLOPE EROSION PROTECTION	
									670	00720	466	SY	DITCH EROSION PROTECTION MAT, TYPE B	
									832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN	
									832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS	
									832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	
									832	30000	60,500	EACH	EROSION CONTROL	
									836	10000	303	SY	SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 1	
							303							

GENERAL SUMMARY

DESIGN AGENCY
WOOLPERT

DESIGNER
AKA


REVIEWER
JGW 07/10/24

PROJECT ID
118465

SHEET TOTAL
38 | 240

SHEET NUM.										PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
13	41	42	43	45	53	193	204	Office Calcs		01/SAF/21	EXT	TOTAL				
DRAINAGE																
			5								602	20000	5	CY	CONCRETE MASONRY	
180											605	13300	180	FT	6" UNCLASSIFIED PIPE UNDERDRAINS	
				6,133							605	14000	6,133	FT	6" BASE PIPE UNDERDRAINS	
80											605	31100	80	FT	AGGREGATE DRAINS	
140				696							611	00510	876	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	
											611	01400	30	FT	6" CONDUIT, TYPE E, 707.31 (PERFORATED)	
			191								611	04400	191	FT	12" CONDUIT, TYPE B	
			405								611	04600	405	FT	12" CONDUIT, TYPE C	
			56								611	05200	56	FT	12" CONDUIT, TYPE F	
			227								611	05900	227	FT	15" CONDUIT, TYPE B	
			100								611	06100	100	FT	15" CONDUIT, TYPE C	
			301								611	10400	301	FT	24" CONDUIT, TYPE B	
			111								611	10600	111	FT	24" CONDUIT, TYPE C	
			15								611	98150	15	EACH	CATCH BASIN, NO. 3	
			8								611	98180	8	EACH	CATCH BASIN, NO. 3A	
			1								611	98410	1	EACH	CATCH BASIN, NO. 8	
			1								611	98470	1	EACH	CATCH BASIN, NO. 2-2B	
			2								611	98510	2	EACH	CATCH BASIN, NO. 2-3	
1											611	98630	1	EACH	CATCH BASIN ADJUSTED TO GRADE	
			4								611	99574	4	EACH	MANHOLE, NO. 3	
			1								611	99575	1	EACH	MANHOLE, NO. 3, AS PER PLAN	13
10				6							611	99710	17	EACH	PRECAST REINFORCED CONCRETE OUTLET	
PAVEMENT																
					1,994						254	01000	1,994	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 3.25"	
8					862						301	56000	870	CY	ASPHALT CONCRETE BASE, PG64-22 (449)	
		36			792						304	20000	828	CY	AGGREGATE BASE	
					1,069						407	20000	1,069	GAL	NON-TRACKING TACK COAT	
					180						442	22100	180	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (449)	
3					218						442	22400	221	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (449)	
					52						452	10010	52	SY	6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	
					70						452	12010	70	SY	8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	
					1,433						452	13010	1,433	SY	9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	
					20						609	72100	20	CY	CONCRETE MEDIAN	
WATER WORK																
	1										SPECIAL	61199700	1	EACH	GAS VALVE BOX ADJUSTED TO GRADE	
		2									638	08790	2	EACH	2" CUTTING-IN SLEEVE, VALVE AND VALVE BOX	
	3										638	10800	3	EACH	VALVE BOX ADJUSTED TO GRADE	
		551									SPECIAL	63820414	551	FT	2" WATER MAIN POLYVINYL CHLORIDE PIPE AND FITTINGS-638	
	2										638	98000	2	EACH	WATER WORK, MISC. WATER VALVE RECONSTRUCT TO GRADE	
LIGHTING																
							58				625	00450	58	EACH	CONNECTION, FUSED PULL APART	
							72				625	00480	72	EACH	CONNECTION, UNFUSED PERMANENT	
							24				625	10490	24	EACH	LIGHT POLE, CONVENTIONAL, AT12B30	
							5				625	10490	5	EACH	LIGHT POLE, CONVENTIONAL, AT15B30	
							29				625	14100	29	EACH	LIGHT POLE FOUNDATION, 24" X 8' DEEP	
							2,528				625	23300	2,528	FT	NO. 2 AWG 2400 VOLT DISTRIBUTION CABLE	
							2,746				625	23400	2,746	FT	NO. 10 AWG POLE AND BRACKET CABLE	
							2,863				625	24100	2,863	FT	1-1/2" DUCT CABLE WITH TWO NO. 4 AWG 2400 VOLT CABLES	
							796				625	25500	796	FT	CONDUIT, 3", 725.04	
							29				625	26253	29	EACH	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN, 240V, TYPE II	202
							3,316				625	29002	3,316	FT	TRENCH, 24" DEEP	
							7				625	30700	7	EACH	PULL BOX, 725.08, 18"	
							9				625	30706	9	EACH	PULL BOX, 725.08, 24"	
							29				625	32000	29	EACH	GROUND ROD	
							2				625	34001	2	EACH	POWER SERVICE, AS PER PLAN	
							3,316				625	36010	3,316	FT	UNDERGROUND WARNING/MARKING TAPE	
TRAFFIC CONTROL																
						28					621	00100	28	EACH	RPM (TWO-WAY YELLOW/RED)	
79						11					621	00100	11	EACH	RPM (TWO-WAY YELLOW/YELLOW)	
											621	54000	79	EACH	RAISED PAVEMENT MARKER REMOVED	
		34									626	00110	34	EACH	BARRIER REFLECTOR, TYPE 2 (BI-DIRECTIONAL)	

GENERAL SUMMARY


DESIGN AGENCY

 DESIGNER
 AKA
 REVIEWER
 JGW 07/10/24
 PROJECT ID
 118465
 SHEET TOTAL
 39 | 240

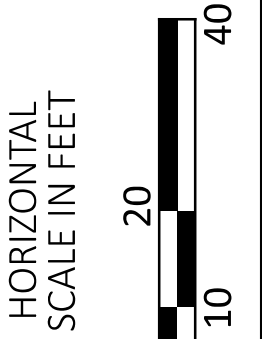
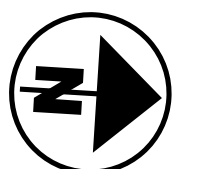
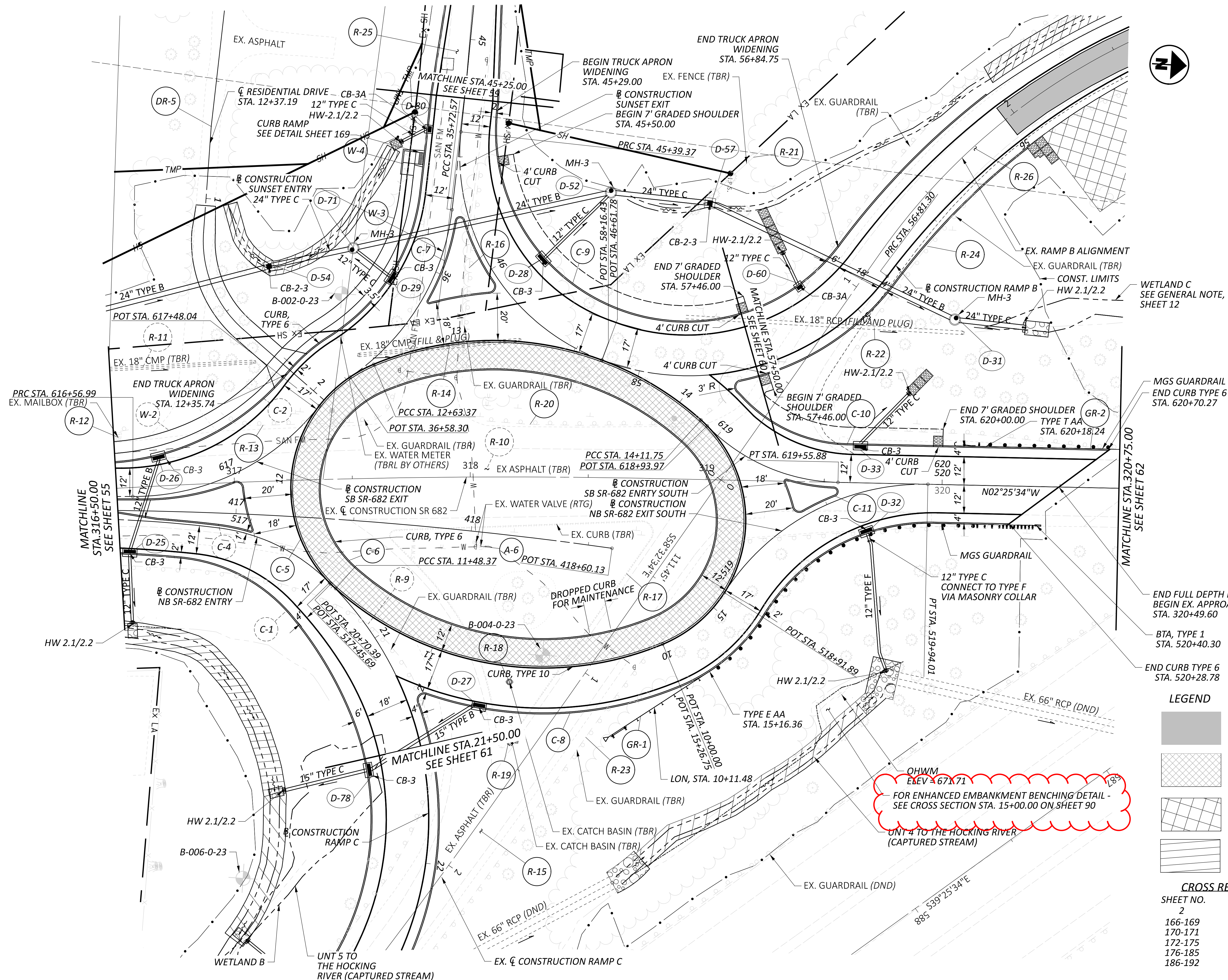
ATH-682-6.07

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SHEET NUM.													PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
14	15	16	20	193	197								01/SAF/21	EXT	TOTAL				
					231.3									630	02100	231.3	FT	GROUND MOUNTED SUPPORT, NO. 2 POST	
					154.8									630	03100	154.8	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
					360.6									630	04100	360.6	FT	GROUND MOUNTED SUPPORT, NO. 4 POST	
					34.4									630	06100	34.4	FT	GROUND MOUNTED SUPPORT, NO. 6 POST	
					127.2									630	08000	127.2	FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W12X30	
					66.7									630	08004	66.7	FT	ONE WAY SUPPORT, NO. 3 POST	
					13									630	08600	13	EACH	SIGN POST REFLECTOR	
					4									630	09000	4	EACH	BREAKAWAY STRUCTURAL BEAM CONNECTION	
					554									630	80100	554	SF	SIGN, FLAT SHEET	
					499									630	80200	499	SF	SIGN, GROUND MOUNTED EXTRUSHEET	
					4									630	84500	4	EACH	GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION	
					54									630	84900	54	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
					33									630	85000	33	EACH	REMOVAL OF GROUND MOUNTED SIGN AND STORAGE	
					7									630	85400	7	EACH	REMOVAL OF GROUND MOUNTED MAJOR SIGN AND DISPOSAL	
					1									630	85500	1	EACH	REMOVAL OF GROUND MOUNTED MAJOR SIGN AND STORAGE	
					3									630	86002	3	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
					3									630	86006	3	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND STORAGE	
					6									630	86010	6	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND REERECTION	
					14									630	86102	14	EACH	REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT AND DISPOSAL	
					2									630	86204	2	EACH	REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT AND STORAGE	
					1.02									644	00104	1.02	MILE	EDGE LINE, 6" (WHITE)	
					0.73									644	00104	0.73	MILE	EDGE LINE, 6" (YELLOW)	
					0.8									644	00300	0.8	MILE	CENTER LINE, 4", DOUBLE SOLID YELLOW	
					0.02									644	00300	0.02	MILE	CENTER LINE, BROKEN AND SOLID, 4" DOUBLE	
					423									644	00700	423	FT	TRANSVERSE/DIAGONAL LINE (YELLOW)	
					2									644	01300	2	EACH	LANE ARROW	
					4									644	01360	4	EACH	WRONG WAY ARROW	
					298									644	01520	298	FT	DOTTED LINE, 12"	
					119									644	20800	119	FT	YIELD LINE	
																		MAINTENANCE OF TRAFFIC	
80														410	11000	80	CY	TRAFFIC COMPACTED SURFACE, TYPE B	
			1											606	26100	1	EACH	ANCHOR ASSEMBLY, TYPE E, FOR MAINTAINING TRAFFIC	
			2											606	26500	2	EACH	ANCHOR ASSEMBLY, TYPE T, FOR MAINTAINING TRAFFIC	
			41											611	96600	41	FT	CONDUIT, BORED OR JACKED; 12" TYPE B	
			147											611	96600	147	FT	CONDUIT, BORED OR JACKED; 24" TYPE B	
		320												614	11110	320	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
	1,000													614	11630	1,000	FT	INCREASED BARRIER DELINEATION	
			325											SPECIAL	61412200	325	FT	WORK ZONE GUARDRAIL	
			4											614	12384	4	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	
		1												614	12420	LS		DETOUR SIGNING	
20														614	13000	20	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
	20													614	13310	20	EACH	BARRIER REFLECTOR, TYPE 1(BI-DIRECTIONAL)	
	53													614	13314	53	EACH	BARRIER REFLECTOR, TYPE 3, ONE-WAY	
	36													614	13350	36	EACH	OBJECT MARKER, ONE WAY	
	20													614	13360	20	EACH	OBJECT MARKER, TWO WAY	
	32													614	18601	32	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	
					1.15									614	21100	1.15	MILE	WORK ZONE CENTER LINE, CLASS I, 642 PAINT, (DOUBLE YELLOW)	
					2.15									614	22110	2.15	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT, (WHITE)	
					0.45									614	22110	0.45	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT, (YELLOW)	
					50									614	23200	50	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT	
					125									614	24202	125	FT	WORK ZONE DOTTED LINE, CLASS I, 6", 642 PAINT	
					200									614	26200	200	FT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	
1														615	10000	LS		ROADS FOR MAINTAINING TRAFFIC	
					1,148									615	25000	1,148	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B	
40														616	10000	40	MGAL	WATER	
					1,000									622	41100	1,000	FT	PORTABLE BARRIER, UNANCHORED	
					106									642	20802	106	FT	YIELD LINE, TYPE 1	
																		INCIDENTALS	
														614	11000	LS		MAINTAINING TRAFFIC	
														623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
														624	10000	LS		MOBILIZATION	


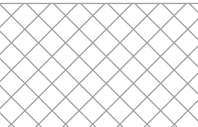
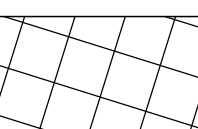

GENERAL SUMMARY

DESIGN AGENCY
 WOOLPERT
DESIGNER
AKA
REVIEWER
JGW 07/10/24
PROJECT ID
118465
SHEET TOTAL
40 240



PLAN - SR-682
STA 316+50 TO STA 320+75

LEGEND

-  RESURFACING
SEE TYPICAL SECTIONS SHEETS 6-11
FOR RESURFACING BUILDUP
-  ROUNDABOUT TRUCK APRON
-  VEGETATED FILTER STRIP
-  DITCH EROSION PROTECTION

CROSS REFERENCES

SHEET NO.	DESCRIPTION
2	☉ REFERENCES AND BENCHMARKS
166-169	ROUNDABOUT DETAILS
170-171	INTERSECTION DETAILS
172-175	DRIVEWAY DETAILS
176-185	STORM PROFILES
186-192	DRAINAGE DETAILS

OHWM
ELEV = 671.71
FOR ENHANCED EMBANKMENT BENCHING DETAIL -
SEE CROSS SECTION STA. 15+00.00 ON SHEET 90
UNIT 4 TO THE HOCKING RIVER
(CAPTURED STREAM)

DESIGN AGENCY




DESIGNER	AKA
REVIEWER	JGW 07/10/24
PROJECT ID	118465
SHEET	TOTAL
57	240

ATH-682-6.07

MODEL: Sheet_SurvFl_PAPER SIZE: 34x22 (in.) DATE: 9/25/2024 TIME: 2:46:06 PM USER: keatingm
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REF NO.	SHEET NO.	STATION	CODE	WIDTH	x	HEIGHT	630	630	630	630	630	630	630	630	630	630	630	630	
							SIGN, FLAT SHEET	SIGN, GROUND MOUNTED EXTRUSHEET	GROUND MOUNTED SUPPORT, NO. 2 POST	GROUND MOUNTED SUPPORT, NO. 3 POST	GROUND MOUNTED SUPPORT, NO. 4 POST	GROUND MOUNTED SUPPORT, NO. 6 POST	ONE WAY SUPPORT, NO. 3 POST	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W12X30	GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION	BREAKAWAY STRUCTURAL BEAM CONNECTION	SIGN POST REFLECTOR		
							SF	SF	FT	FT	FT	FT	FT	FT	FT	EACH	EACH	EACH	
SR-682 & US 33																			
S-1	200	413+50	LT	M4-13	30	x	15	3.13											
				R3-9cP	30	x	12	2.50			12.8								
S-2	200	412+00	RT	W2-6	30	x	30	6.25			12.5								
S-3	200	414+36	LT	D14-H4	48	x	30		10.00				14.2						
S-4	200	415+00	LT	M3-3	30	x	15	3.13				13.8							
				M1-5-3	30	x	24	5.00											
				M4-5	30	x	15	3.13											
				M3-2	30	x	15	3.13											
				M1-4	30	x	30	6.25											
				M6-2a	30	x	21	4.38											
				M3-3	30	x	15	3.13											
				M1-5-3	30	x	24	5.00											
				M6-2a	30	x	21	4.38											
S-5	200	417+00	LT										15.9-15.9						
S-6	200	416+00	LT	R2-1	24	x	30	5.00			13.0								
S-7	200	517+01	RT	R1-2			36 x 36 x 36	3.90				15.7						1	
				R6-5P	30	x	30	2.25											
				M4-5	30	x	15	3.13											
				M3-4	30	x	15	3.13											
				M1-4	30	x	30	6.25											
				M6-2a	30	x	21	4.38											
				M3-1	30	x	15	3.13											
				M1-5-3	30	x	24	5.00											
				M6-2a	30	x	21	4.38											
				D3-H6a	48	x	8		2.67										
S-8	200	21+33	LT										18.5-18.1						
S-9	200	417+41	LT	R6-1R	36	x	12	3.00			13.6								
				OM 1-1	18	x	18	2.25											
				M3-2	30	x	15	3.13											
S-10	200	21+37	LT	M1-4	30	x	30	6.25					16.8						
				M6-2a	30	x	21	4.38											
S-11	200	36+15	RT	R1-2			36 x 36 x 36	3.90				15.7						1	
				R6-5P	30	x	30	2.25											
S-12	200	13+04	RT	R6-1R	36	x	12	3.00			13.6								
				OM 1-1	18	x	18	2.25											
S-12a	200	13+04	RT	R6-1R	36	x	12	3.00			13.6								
				OM 1-1	18	x	18	2.25											
				M4-5	30	x	15	3.13											
				M3-2	30	x	15	3.13											
				M1-4	30	x	30	6.25											
				M6-2a	30	x	21	4.38											
				M3-3	30	x	15	3.13											
				M1-5-3	30	x	24	5.00											
				M6-2a	30	x	21	4.38											
				D3-H6a	48	x	8		2.67										
S-13	200	46+05	RT										17.2-17.2						
S-14	200	13+84	RT	R6-1R	36	x	12	3.00			13.6								
				OM 1-1	18	x	18	2.25											
				R5-1	30	x	30	6.25											
				R6-1R	36	x	12	3.00											
S-15	200	57+66	RT	R6-1R	36	x	12	3.00						17.6				2	
				R6-1R	36	x	12	3.00											
				R1-2			48 x 48 x 48	6.93											
				R6-5P	30	x	30	2.25											
				R6-1R	36	x	12	3.00											
S-16	200	14+49	RT	OM 1-1	18	x	18	2.25			13.6								
TOTALS CARRIED TO SHEET 197																			
							187	16	106.3	45.2	133.8		17.6					4	

TRAFFIC CONTROL SUBSUMMARY

DESIGN AGENCY

 DESIGNER
 JK
 REVIEWER
 JGW 07/10/24
 PROJECT ID
 118465
 SHEET TOTAL
 195 | 240

REF NO.	SHEET NO.	STATION	CODE	WIDTH	x	HEIGHT	630	630	630	630	630	630	630	630	630	630	630	630			
							SIGN, FLAT SHEET	SIGN, GROUND MOUNTED EXTRUSHEET	GROUND MOUNTED SUPPORT, NO. 2 POST	GROUND MOUNTED SUPPORT, NO. 3 POST	GROUND MOUNTED SUPPORT, NO. 4 POST	GROUND MOUNTED SUPPORT, NO. 6 POST	ONE WAY SUPPORT, NO. 3 POST	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W12X30	GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION	BREAKAWAY STRUCTURAL BEAM CONNECTION	SIGN POST REFLECTOR				
							SF	SF	FT	FT	FT	FT	FT	FT	FT	EACH	EACH	EACH			
S-17	200	519+40	LT	M4-5	30	x	15	3.13													
				M3-4	30	x	15	3.13													
				M1-4	30	x	30	6.25													
				M6-2a	30	x	21	4.38													
				M3-1	30	x	15	3.13													
				M1-5-3	30	x	24	5.00													
				M6-2a	30	x	21	4.38													
S-18	200	57+54	LT	D3-H6a	48	x	8		2.67												
				R5-1	30	x	30	6.25													
				R6-1R	36	x	12	3.00													
				R6-1L	36	x	12	3.00													
S-19	200	55+00	RT	R1-2	48	x	48	6.93													
				R6-5P	30	x	30	6.25													
S-20	200	55+00	LT	R5-1a	30	x	18	3.75		12.0											
				R5-1a	30	x	18	3.75		12.4											
S-21	200	619+36	LT	R1-2	36	x	36	3.90		15.7											
				R6-5P	30	x	30	6.25													
S-22	200	620+52	RT	D1-5	192	x	132		176.00							29.9-33.5	2	2			
S-23	200	54+60	RT	D1-H16a	120	x	72		60.00												
S-24	201	65+40	LT	W2-6	48	x	48	16.00				15.6									
S-25	201	624+11	LT	D1-5	192	x	132		176.00								29.3-34.5	2	2		
				R5-1a	30	x	18	3.75		13.9											
S-27	201	525+07	RT	R1-2	36	x	36	3.90		15.7											
				R6-5P	30	x	30	6.25													
S-28	201	63+47	RT	D1-H16a	120	x	72		60.00												
				R5-1	30	x	30	6.25													
S-29	201	61+78	RT	R6-1R	36	x	12	3.00													
				R6-1L	36	x	12	3.00													
				R1-2	48	x	48	6.93													
S-30	201	64+42	LT	R5-1a	30	x	18	3.75		14.5											
				R5-1	30	x	30	6.25													
S-31	201	61+68	RT	R6-1R	36	x	12	3.00													
				R6-1L	36	x	12	3.00													
				R1-2	48	x	48	6.93													
S-32	201	10+18	RT	R6-5P	30	x	30	6.25													
				R6-1R	36	x	12	3.00		13.6											
S-33	201	625+05	RT	M4-5	30	x	15	3.13													
				M3-2	30	x	15	3.13													
				M1-4	30	x	30	6.25													
				M6-2a	30	x	21	4.38													
				M3-3	30	x	15	3.13													
				M1-5-3	30	x	24	5.00													
				M6-2a	30	x	21	4.38													
S-34	201	10+95	RT	D3-H6a	48	x	8		2.67												
				R6-1R	36	x	12	3.00													
S-35	201	50+93	RT	R6-5P	30	x	30	6.25		15.7											
				W2-6	48	x	48	16.00		15.2											
S-36	201	71+23	RT	M4-5	30	x	15	3.13													
				M3-4	30	x	15	3.13													
				M1-4	30	x	30	6.25													
				M6-2a	30	x	21	4.38													
				M3-3	30	x	15	3.13													
				M1-5-3	30	x	24	5.00													
				M6-2a	30	x	21	4.38													
TOTALS CARRIED TO SHEET 197							240	480	97.8	46.5	163.7		49.1		127.2	4	4	8			

TRAFFIC CONTROL SUBSUMMARY

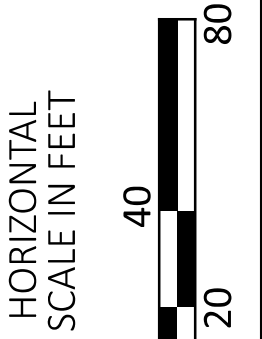
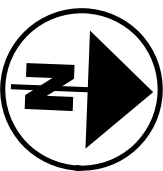
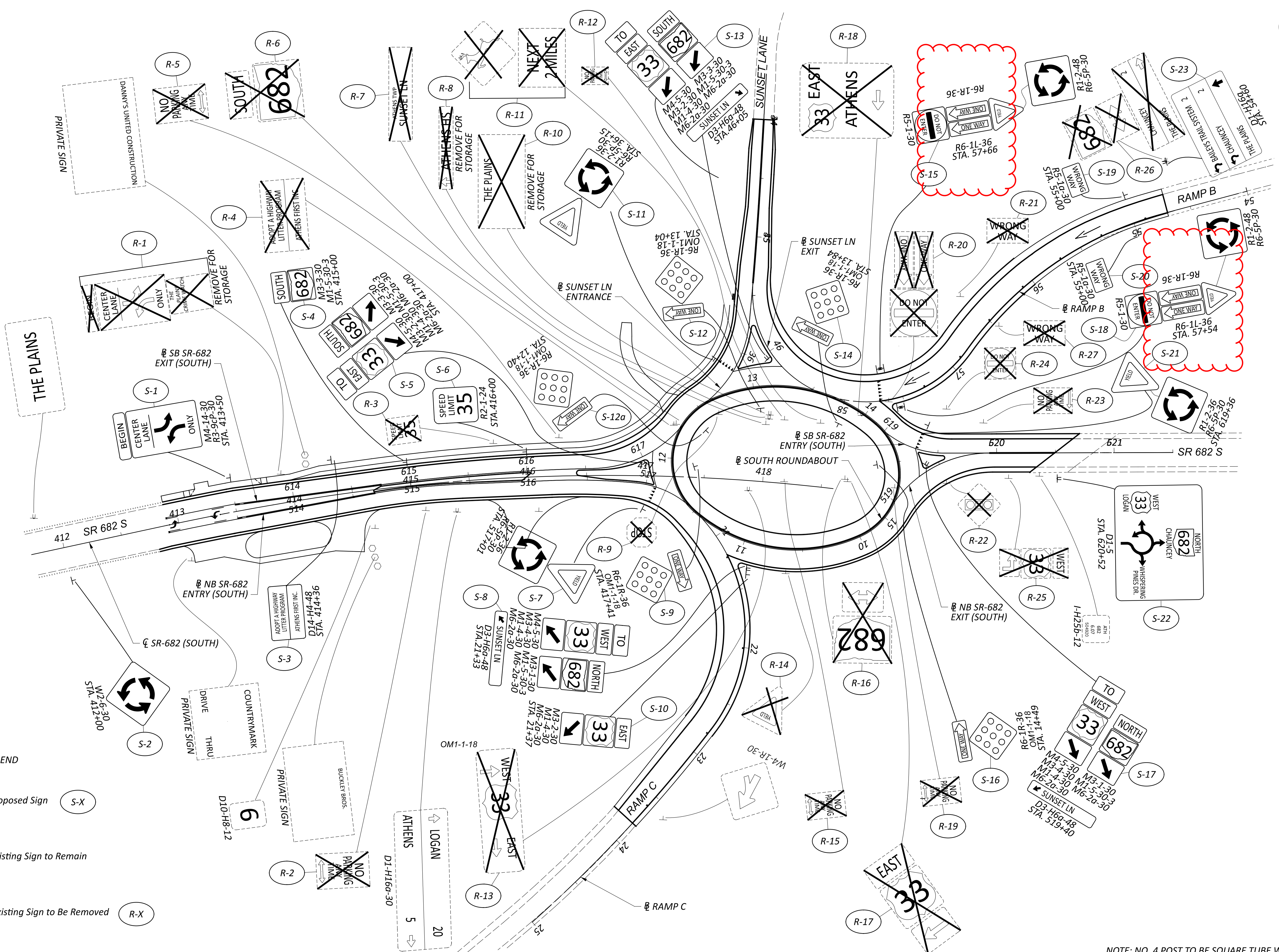
DESIGN AGENCY

 DESIGNER JK
 REVIEWER JGW 07/10/24
 PROJECT ID 118465
 SHEET TOTAL 196 | 240

REF NO.	SHEET NO.	STATION	CODE	WIDTH	x	HEIGHT	630	630	630	630	630	630	630	630	630	630	630	630				
							SIGN, FLAT SHEET	SIGN, GROUND MOUNTED EXTRUSHEET	GROUND MOUNTED SUPPORT, NO. 2 POST	GROUND MOUNTED SUPPORT, NO. 3 POST	GROUND MOUNTED SUPPORT, NO. 4 POST	GROUND MOUNTED SUPPORT, NO. 6 POST	ONE WAY SUPPORT, NO. 3 POST	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W12X30	GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION	BREAKAWAY STRUCTURAL BEAM CONNECTION	SIGN POST REFLECTOR					
							SF	SF	FT	FT	FT	FT	FT	FT	FT	EACH	EACH	EACH				
SR-682 & US 33																						
S-37	201	80+95	LT	R1-2	36 x 36 x 36		3.90															
				R6-5P	30	x	30	6.25		15.7												
S-38	201	15+25	RT	R6-1R	36	x	12	3.00			13.6											
				OM 1-1	18	x	18	2.25														
S-39	201	13+79	RT	R6-1R	36	x	12	3.00			13.6											
				OM 1-1	18	x	18	2.25														
S-40	201	102+78	RT	M4-5	30	x	15	3.13														
				M3-2	30	x	15	3.13														
				M1-4	30	x	30	6.25														
				M6-2a	30	x	21	4.38														
				M3-3	30	x	15	3.13														
				M1-5-3	30	x	24	5.00														
				M6-2a	30	x	21	4.38														
				D3-H6a	48	x	8															
								2.67														
S-41	201	427+48	LT	M4-5	30	x	15	3.13														
				M1-4	30	x	30	6.25														
				M6-2a	30	x	21	4.38														
				M3-3	30	x	15	3.13														
				M1-5-3	30	x	24	5.00														
				M6-2a	30	x	21	4.38														
S-42	201	427+51	LT	M3-1	30	x	15	3.13														
				M1-5-3	30	x	24	5.00														
				M6-2a	30	x	21	4.38														
S-43	201	627+48	LT	R1-2	36 x 36 x 36		3.90															
				R6-5P	30	x	30	6.25														
S-44	201	102+75	RT	M3-4	30	x	15	3.13														
				M1-4	30	x	30	6.25														
				M6-2a	30	x	21	4.38														
S-45	201	430+57	RT	R2-1	30	x	36	7.50				12.7										
S-46	201	433+00	LT	W2-6	30	x	30	6.25				19.0										
TOTALS CARRIED TO SIGNING TOTALS THIS SHEET							127	3	27.2	63.1	63.1	34.4							1			

SIGNING TOTALS																							
SHEET NO.	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	
	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	REMOVAL OF GROUND MOUNTED SIGN AND STORAGE	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	REMOVAL OF GROUND MOUNTED POST SUPPORT AND STORAGE	REMOVAL OF GROUND MOUNTED POST SUPPORT AND REERECTION		REMOVAL OF GROUND MOUNTED MAJOR SIGN AND DISPOSAL	REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT AND DISPOSAL	REMOVAL OF GROUND MOUNTED MAJOR SIGN AND STORAGE	REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT AND STORAGE		SIGN, FLAT SHEET	SIGN, GROUND MOUNTED EXTRUSHEET	GROUND MOUNTED SUPPORT, NO. 2 POST	GROUND MOUNTED SUPPORT, NO. 3 POST	GROUND MOUNTED SUPPORT, NO. 4 POST	GROUND MOUNTED SUPPORT, NO. 6 POST	ONE WAY SUPPORT, NO. 3 POST		GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W12X30	GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION	BREAKAWAY STRUCTURAL BEAM CONNECTION	SIGN POST REFLECTOR
	EACH	EACH	EACH	EACH	EACH		EACH	EACH	EACH	EACH		SF	SF	FT	FT	FT	FT	FT	FT	FT	EACH	EACH	EACH
194	54	33	3	3	6		7	14	1	2													
195												187	16	106.3	45.2	133.8		17.6					4
196												240	0	0.0	0.0	0.0		0.0		0	4	4	8
197												127	3	27.2	63.1	63.1	34.4						1
TOTALS CARRIED TO GENERAL SUMMARY	54	33	3	3	6		7	14	1	2		554	19	133.5	108.3	196.9	34.4	17.6			4	4	13

LEGEND

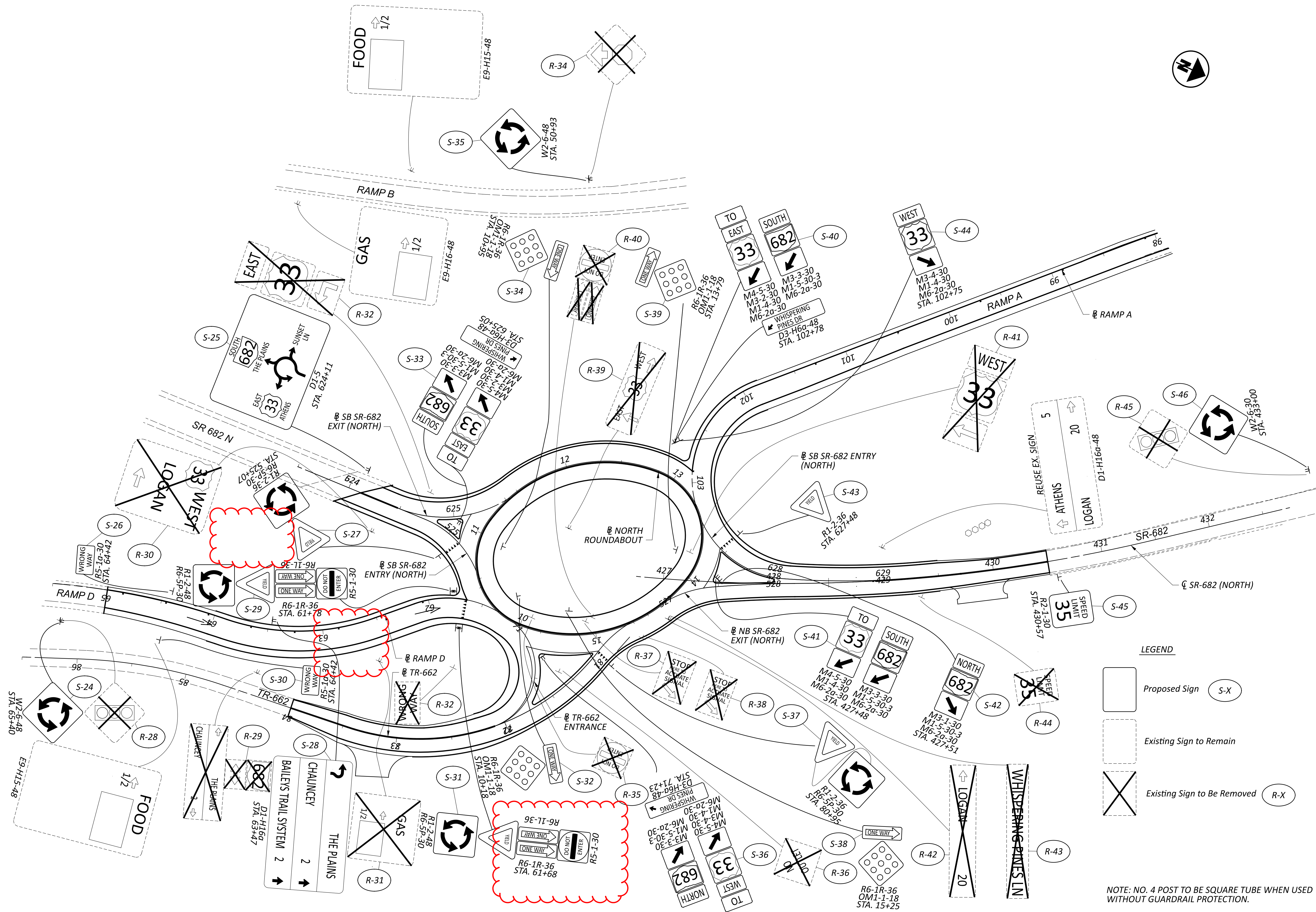
- Proposed Sign (S-X)
- Existing Sign to Remain
- Existing Sign to Be Removed (R-X)



SIGNING PLAN
SOUTH ROUNDABOUT

DESIGN AGENCY	
DESIGNER	JK
REVIEWER	JGW 07/10/24
PROJECT ID	118465
SHEET	TOTAL
200	240

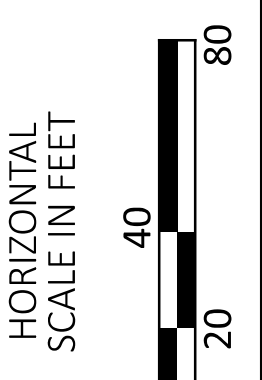
NOTE: NO. 4 POST TO BE SQUARE TUBE WHEN USED WITHOUT GUARDRAIL PROTECTION.



LEGEND

- Proposed Sign (S-X)
- Existing Sign to Remain
- X Existing Sign to Be Removed (R-X)

NOTE: NO. 4 POST TO BE SQUARE TUBE WHEN USED WITHOUT GUARDRAIL PROTECTION.



SIGNING PLAN
NORTH ROUNDABOUT

DESIGN AGENCY	
DESIGNER	JK
REVIEWER	JGW 07/10/24
PROJECT ID	118465
SHEET	TOTAL
201	240