

**MAINTENANCE OF TRAFFIC**

**ITEM 614 – MAINTAINING TRAFFIC (GENERAL) (TEM 642-2)**

MAINTAIN ONE 10' LANE OF TRAFFIC AT ALL TIMES.

SUBMIT, IN WRITING, A SCHEDULE OF OPERATIONS TO THE ENGINEER AND RECEIVE APPROVAL BEFORE WORK IS STARTED ON THE PROJECT. PRIOR TO BEGINNING WORK, COORDINATE THE MAINTENANCE OF TRAFFIC OPERATIONS WITH THE LOCAL STATE HIGHWAY PATROL.

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 CURRENT EDITION WITH THE LATEST REVISIONS. 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 614 – MAINTAINING TRAFFIC (LANE CLOSURE/REDUCTION REQUIRED) (TEM 642-7)**

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.

**ITEM 614 – MAINTAINING TRAFFIC (LANES OPEN DURING HOLIDAYS OR SPECIAL EVENTS) (TEM 642-6) (ALL ROUTES)**

NO WORK SHALL BE PERFORMED, AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

CHRISTMAS	FOURTH OF JULY
NEW YEARS DAY	LABOR DAY
MEMORIAL DAY	THANKSGIVING

THE PERIOD OF TIME THAT LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY OR EVENT	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00 AM TUESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00 AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY
THANKSGIVING	6:00 AM WEDNESDAY THROUGH 6:00 AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF \$50 FOR EACH MINUTE THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ARE VIOLATED.



**NOTIFICATION OF TRAFFIC RESTRICTIONS (TEM 642-58) (ALL ROUTES)**

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 TIME TABLE		
ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS AND PIO*
RAMP AND/OR ROAD CLOSURES	2 WEEKS OR GREATER	21 CALENDAR DAYS
	12 HOURS TO 2 WEEKS	14 CALENDAR DAYS
	12 HOURS OR LESS	4 BUSINESS DAYS
LANE CLOSURES AND RESTRICTIONS	2 WEEKS OR GREATER	14 CALENDAR DAYS
	LESS THAN 2 WEEKS	5 BUSINESS DAYS
START OF CONSTRUCTION AND TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS

\* - PRIOR TO CLOSURE DATE, UNLESS NOTED OTHERWISE


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



SHEET NUM.											PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
2	5	6									01/NHS/06	ITEM	EXT	TOTAL	UNIT	DESCRIPTION	
<b>ROADWAY</b>																	
LS											LS	201	11000	LS		CLEARING AND GRUBBING	
		1									1	202	20010	1	EACH	HEADWALL REMOVED	
		40									40	202	35100	40	FT	PIPE REMOVED, 24" AND UNDER	
		62.5									62.5	202	38200	62.5	FT	GUARDRAIL REMOVED FOR REUSE	
		25									25	203	10000	25	CY	EXCAVATION	
		25									25	203	20000	25	CY	EMBANKMENT	
		62.5									62.5	606	16500	62.5	FT	GUARDRAIL REBUILT, TYPE 5	
											LS	623	50000	LS		PRECONSTRUCTION SURVEY MONUMENT VERIFICATION AND REPORT	
<b>EROSION CONTROL</b>																	
		70									70	601	21050	70	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	
		7									7	601	32000	7	CY	ROCK CHANNEL PROTECTION, TYPE A WITH FILTER	
2											2	659	00100	2	EACH	SOIL ANALYSIS TEST	
38											38	659	00300	38	CY	TOPSOIL	
339											339	659	10000	339	SY	SEEDING AND MULCHING	
17											17	659	14000	17	SY	REPAIR SEEDING AND MULCHING	
17											17	659	15000	17	SY	INTER-SEEDING	
0.05											0.05	659	20000	0.05	TON	COMMERCIAL FERTILIZER	
0.07											0.07	659	31000	0.07	ACRE	LIME	
1.83											1.83	659	35000	1.83	MGAL	WATER	
		23									23	670	00530	23	SY	SLOPE EROSION PROTECTION MAT, TYPE C	
											1,000	832	30000	1,000	EACH	EROSION CONTROL	
<b>DRAINAGE</b>																	
		40									40	611	10400	40	FT	24" CONDUIT, TYPE B, 706.01 OR 706.02	
<b>STRUCTURE REPAIR (WAY-250-28.64)</b>																	
		LS									LS	503	11100	LS		COFFERDAMS AND EXCAVATION BRACING	
		2									2	602	20000	2	CY	CONCRETE MASONRY	
<b>TRAFFIC CONTROL</b>																	
	0.07										0.07	642	00300	0.07	MILE	CENTER LINE, TYPE 1	
	0.07										0.07	642	30030	0.07	MILE	REMOVAL OF PAVEMENT MARKING (CENTERLINE)	
<b>MAINTENANCE OF TRAFFIC</b>																	
	2										2	614	12384	2	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	
	5										5	614	13312	5	EACH	BARRIER REFLECTOR, TYPE 2, (BIDIRECTIONAL)	
	5										5	614	13360	5	EACH	OBJECT MARKER, TWO WAY	
	0.19										0.19	614	21200	0.19	MILE	WORK ZONE CENTER LINE, CLASS I, 740.06, TYPE I	
	0.11										0.11	614	22210	0.11	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 740.06, TYPE I	
	24										24	614	26400	24	FT	WORK ZONE STOP LINE, CLASS I, 740.06, TYPE I	
	250										250	622	41100	250	FT	PORTABLE BARRIER, UNANCHORED	
<b>INCIDENTALS</b>																	
											LS	614	11000	LS		MAINTAINING TRAFFIC	
											LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
											LS	624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY  
 DISTRICT 3



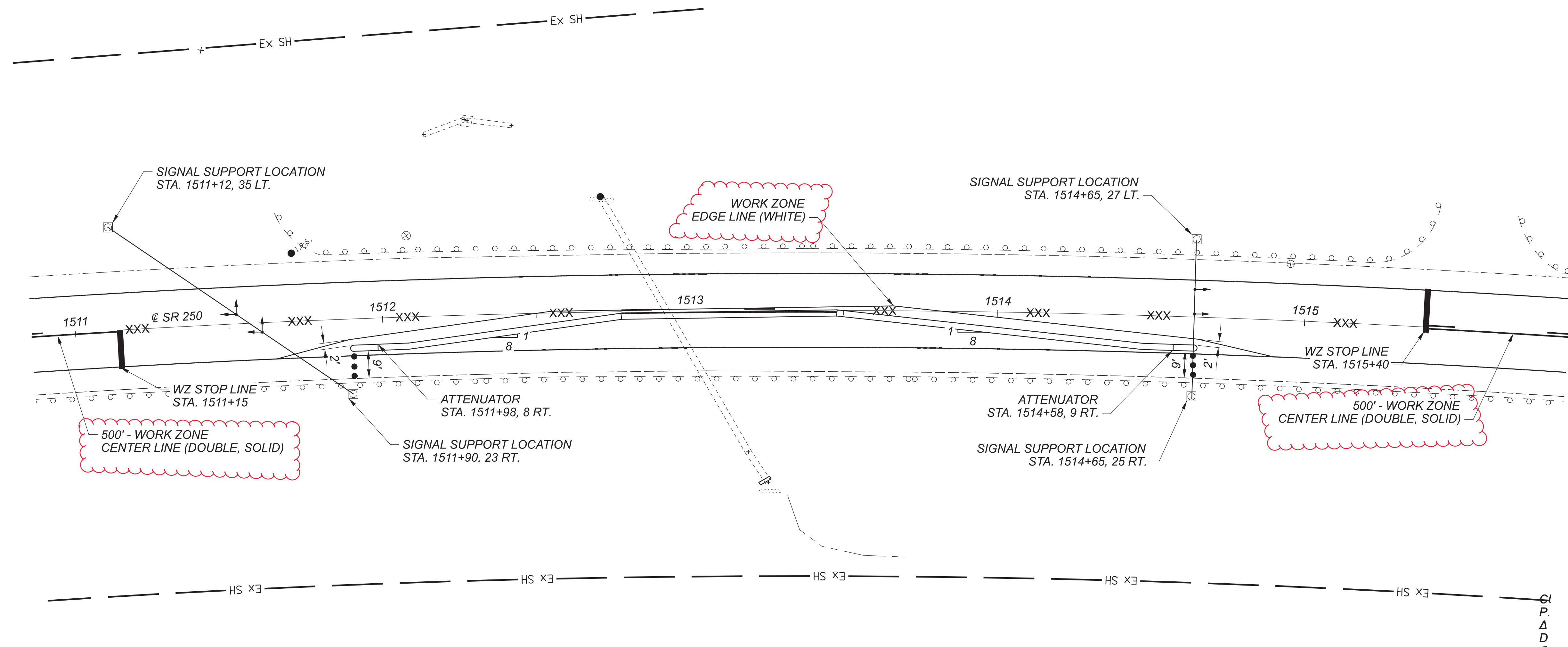
ENGINEERING  
 TEAM THREE

DESIGNER  
 JSR

REVIEWER  
 CAD 12/01/22

PROJECT ID  
 109030

SHEET TOTAL  
 P.4 14



ITEM	QUANTITY	UNIT	DESCRIPTION
614	2	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)
614	5	EACH	BARRIER REFLECTOR, TYPE 2, (BIDIRECTIONAL)
614	5	EACH	OBJECT MARKER, TWO WAY (CENTER LINE)
614	0.19	MILE	WORK ZONE CENTER LINE, CLASS I, 740.06, TYPE I
614	0.11	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 740.06, TYPE I
614	24	FT	WORK ZONE STOP LINE, CLASS I, 740.06, TYPE I
622	250	FT	PORTABLE BARRIER, UNANCHORED
642	0.07	MILE	CENTERLINE, TYPE 1
642	0.07	MILE	REMOVAL OF PAVEMENT MARKING (CENTER LINE)

**LEGEND**

XXX - REMOVAL OF PAVEMENT MARKING (CENTER LINE)

ALL QUANTITIES CARRIED TO THE GENERAL SUMMARY



**MAINTENANCE OF TRAFFIC  
 WAY-250-28.64**

DESIGN AGENCY  
 DISTRICT 3



ENGINEERING  
 TEAM THREE

DESIGNER  
 JSR

REVIEWER  
 CAD 12/01/22

PROJECT ID  
 109030

SHEET TOTAL  
 P.5 14

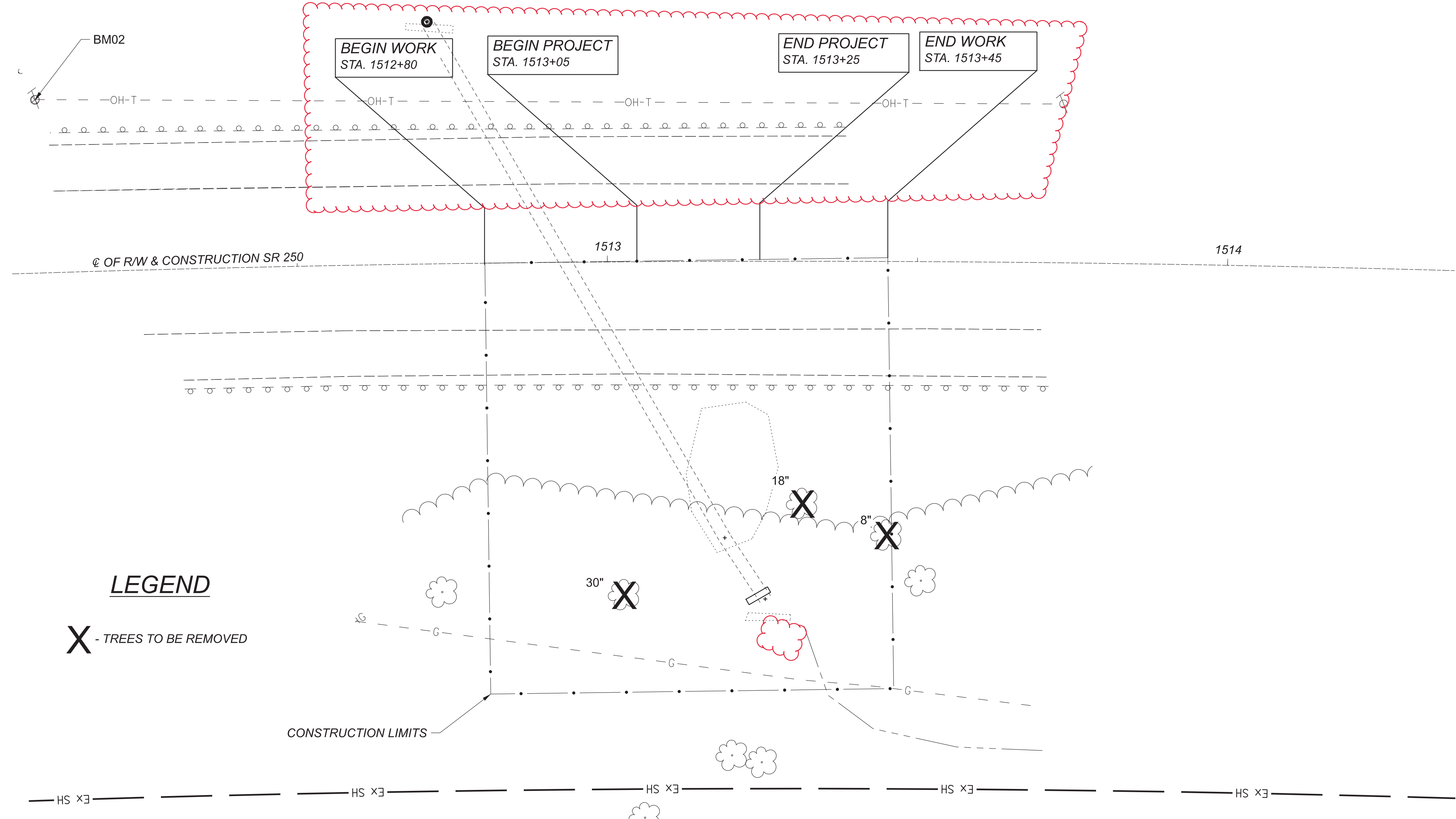
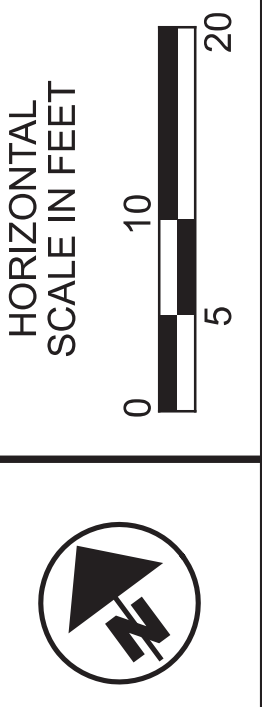
**GROUND COORDINATES - U.S. Survey FT**

**STATE PLANE GRID COORDINATES**

PROJECT coordinates are scaled from GRID coordinates about the Ohio North Zone grid point N=0, E=0 (N 39° 27' 01.76097", W 89° 28' 32.98476")

Horiz. Datum: NAD83 (2011) Ohio State Plane, North Zone Vert. Datum: NAVD88  
defined by GPS from CORS using NAVD88. All other elevations are established by leveling from .

NAME	Alignment Name	STATION	OFFSET (sft)	RT/LT	NORTH (sft)	EAST (sft)	ELEVATION (sft)	FEATURE	POINT TYPE	DESCRIPTION	NAME	NORTH (m)	EAST (m)	ORTHO HT (m)	NORTH (sft)	EAST (sft)
<b>PROJECT CONTROL POINTS</b>																
CP04	CLX_250	1511+71.26	-23.63	LT	371534.268	2197861.357	1218.39	IPINS	Project Control Points	5/8" IRON PIN SET WITH ODOT REF. CAP	CP04	113233.4120	669847.6076	371.333	371499.9525	2197658.3593
BM02	CLX_250	1512+08.56	-27.91	LT	371516.522	2197894.727	1217.97	BM	Project Control Points	SURVEY MAG SPIKE SET IN UTILITY POLE	BM02	113228.0035	669857.7779	371.205	371482.2082	2197691.7262
CP05	CLX_250	1514+94.67	-19.92	LT	371337.180	2198119.999	1207.71	SMSS	Project Control Points	SURVEY MAG SPIKE SET	CP05	113173.3450	669926.4346	368.078	371302.8828	2197916.9774
CP06	CLX_250	1517+07.53	16.49	RT	371170.797	2198257.763	1200.00	SMSS	Project Control Points	SURVEY MAG SPIKE SET	CP06	113122.6361	669968.4212	365.727	371136.5151	2198054.7287
											0	0.0000	0.0000	0.000	0.0000	0.0000
											0	0.0000	0.0000	0.000	0.0000	0.0000
<b>EXISTING CENTERLINE CONTROL POINTS</b>																
											0	0.0000	0.0000	0.000	0.0000	0.0000
											0	0.0000	0.0000	0.000	0.0000	0.0000
											0	0.0000	0.0000	0.000	0.0000	0.0000
											0	0.0000	0.0000	0.000	0.0000	0.0000
											0	0.0000	0.0000	0.000	0.0000	0.0000
											0	0.0000	0.0000	0.000	0.0000	0.0000
											0	0.0000	0.0000	0.000	0.0000	0.0000
<b>CENTERLINE ALIGNMENT</b>																
CLRW03	CLX_250	1507+82.64	0.00		371716.619	2197516.196	0.00	CALPT	Centerline Alignment	CALCULATED POINT	CLRW03	113288.9876	669742.4120	0.000	371682.2867	2197313.2302
CLRW04	CLX_250	1523+80.97	0.00		370688.526	2198724.764	0.00	CALPT	Centerline Alignment	CALCULATED POINT	CLRW04	112975.6531	670110.7503	0.000	370654.2887	2198521.6866



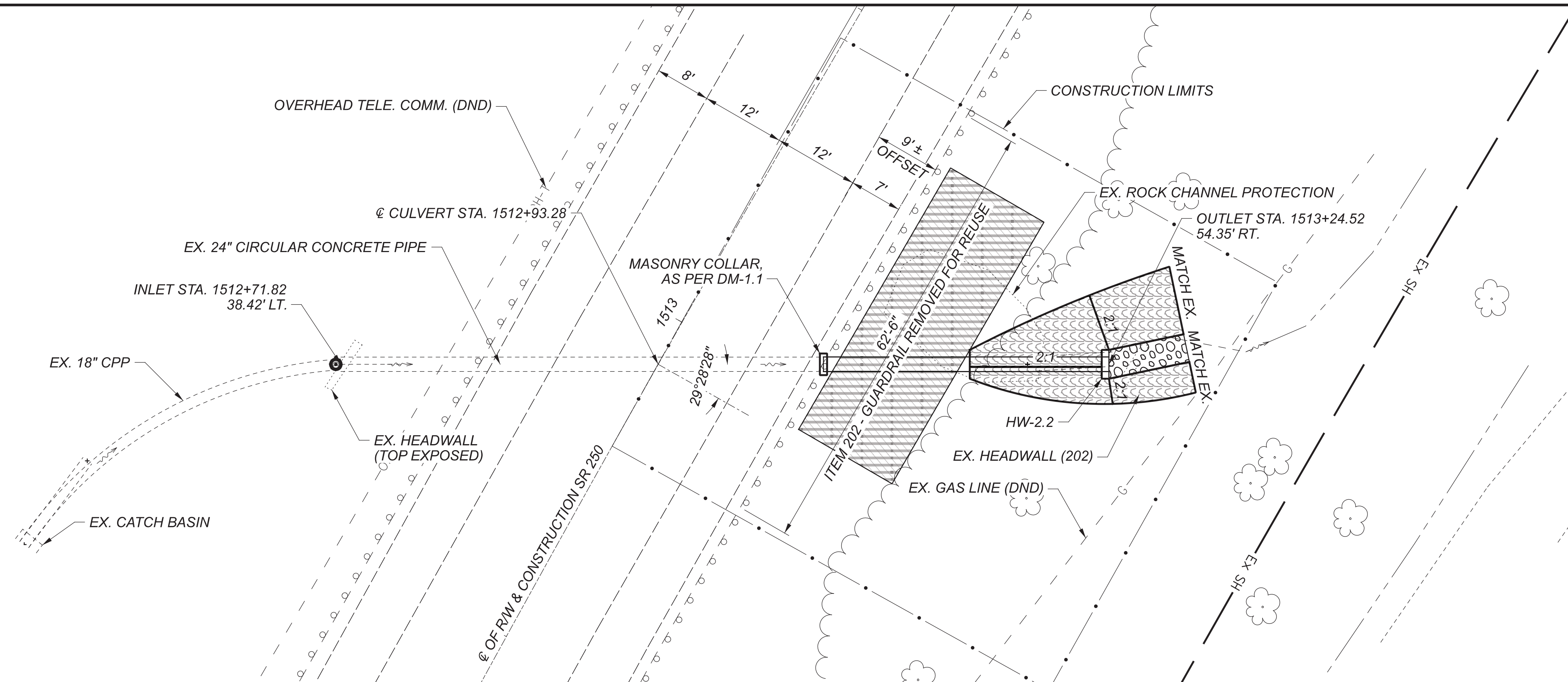
**LEGEND**  
X - TREES TO BE REMOVED

WAY-250-28.64

MODEL: SITE OVERVIEW(Sheet) PAPER: 34x22 (in.) DATE: 3/6/2023 TIME: 11:10 AM USER: jrice  
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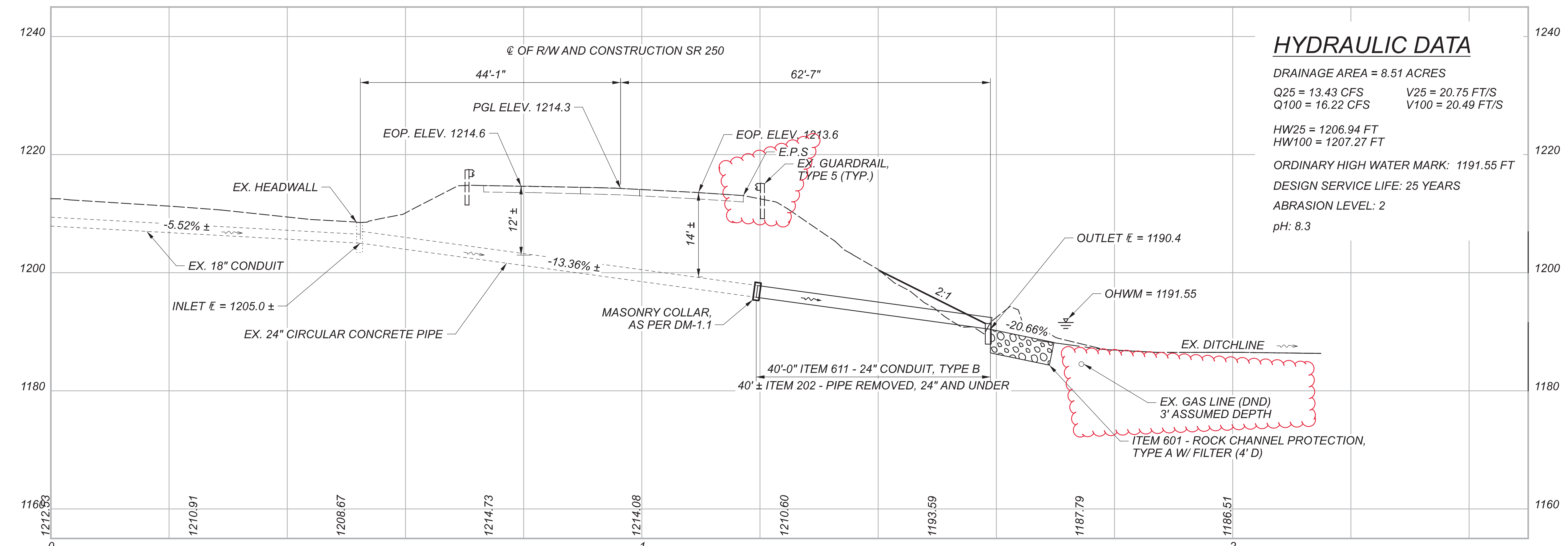
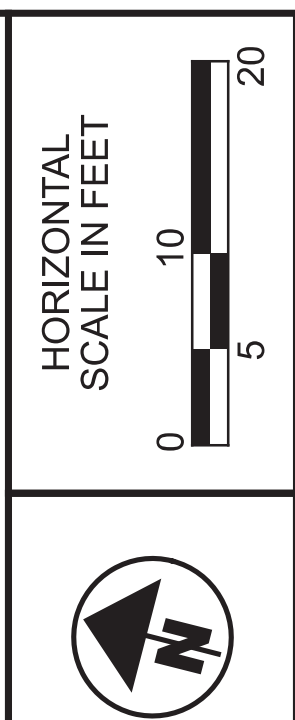
**SITE OVERVIEW**  
**WAY-250-28.64**

DESIGN AGENCY	DISTRICT 3
ENGINEERING TEAM THREE	
DESIGNER	JSR
REVIEWER	CAD 12/01/22
PROJECT ID	109030
SUBSET	TOTAL
2	3
SHEET	TOTAL
P.7	14



**EXISTING STRUCTURE**  
 TYPE: CONCRETE PIPE CULVERT  
 SIZE: 24" DIAMETER  
 SKEW: 29°28'28" (R.F.)  
 ALIGNMENT: TANGENT  
 DATE BUILT: 1946  
 CONDITION: POOR  
 CFN: 1981036

- LEGEND**
- ROCK CHANNEL PROTECTION, TYPE A W/ FILTER (11' L X 4' W X 4' D)
  - TIED CONCRETE MAT (42' L X 15' W)
  - SLOPE EROSION PROTECTION MAT, TYPE C
  - 202 - REMOVE
  - DND - DO NOT DISTURB



**HYDRAULIC DATA**  
 DRAINAGE AREA = 8.51 ACRES  
 Q25 = 13.43 CFS      V25 = 20.75 FT/S  
 Q100 = 16.22 CFS      V100 = 20.49 FT/S  
 HW25 = 1206.94 FT  
 HW100 = 1207.27 FT  
 ORDINARY HIGH WATER MARK: 1191.55 FT  
 DESIGN SERVICE LIFE: 25 YEARS  
 ABRASION LEVEL: 2  
 pH: 8.3

**NOTES**

- 1.) REMOVE THE EXISTING OUTLET HEADWALL AND REMOVE/REPLACE THE LAST 40' OF 24" CONDUIT. PIPE REMOVAL SHALL BE TERMINATED AT THE NEAREST EXPOSED JOINT TO THE EPS. PROVIDE A MASONRY COLLAR, AS PER DM-1.1 AT ALL CONNECTIONS BETWEEN EXISTING AND PROPOSED CONDUITS.

**CULVERT DETAIL  
 WAY-250-28.64**

DESIGN AGENCY		DISTRICT 3	
ENGINEERING TEAM THREE			
DESIGNER		JSR	
REVIEWER		CAD 12/01/22	
PROJECT ID		109030	
SUBSET	TOTAL	3	3
SHEET	TOTAL	P.8	14