### 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 OFFICE OF COMMUNICATIONS. THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS

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, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

### NOTICE TO OFFICE OF COMMUNICATIONS TIME TABLE

ITEM DURATION OF CLOSURE NOTICE DUE TO OFFICE OF COMMUNICATIONS

RAMP & >= 2 WEEKS
ROAD > 12 HOURS & < 2 WEEKS
CLOSURES < 12 HOURS & < 2 WEEKS 4 BUSINESS DAYS PRIOR TO CLOSURE

LANE >= 2 WEEKS 14 CALENDAR DAYS PRIOR TO CLOSURE CLOSURES & < 2 WEEKS 2 BUSINESS DAYS PRIOR TO CLOSURE RESTRICTIONS

START OF CONSTRUCTION & N/A 14 CALENDAR DAYS PRIOR TO IMPLEMENTATION TRAFFIC PATTERN CHANGES

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

NOTIFY THE FOLLOWING FOR ANY CLOSURES AND/OR RESTRICTIONS:

DISTRICT PUBLIC INFORMATION OFFICER BY EMAIL AT:
DISTRICT PERMIT SECTION BY EMAIL AT:
CENTRAL OFFICE SPECIAL HAUL PERMITS BY EMAIL AT:
DISTRICT TRAFFIC. DETOUR SECTION BY EMAIL AT:

DOT.D08.PIO@DOT.OHIO.GOV D08.PERMITS@DOT.OHIO.GOV HAULING.PERMITS@DOT.OHIO.GOV DOT.D08.DETOURS@DOT.OHIO.GOV

# ITEM 614 - LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS

USE OF LAW ENFORCEMENT OFFICERS (LEOS) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW WILL NOT BE PERMITTED AT PROJECT COST. LEOS SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHALL BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASK:

DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.

LEOS SHOULD NOT FORGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CONSIDERED TO BE RECKLESS, THEN PURSUIT OF THE MOTORIST IS APPROPRIATE.

THE LEOS WORK AT THE DIRECTION OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOS WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF THE PLANS WITH RESPECT TO DUTIES OF THE LEOS. THE ENGINEER SHALL HAVE FINAL CONTROL OVER THE LEOS'DUTIES AND PLACEMENT, AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.

THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. ONCE THE LEO HAS COMPLETED THE DUTIES DESCRIBED ABOVE AND STILL HAS TIME REMAINING ON HIS/HER SHIFT, THE LEO MAY BE ASKED TO PATROL THROUGH THE WORK ZONE (WITH FLASHING LIGHTS OFF) OR BE PLACED AT A LOCATION TO DETER MOTORISTS FROM SPEEDING. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE WHICH SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

# ITEM 614 - LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS (CONTINUED)

LEOS (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE 20 HOURS

THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF AN LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

# ITEM 614, MAINTAINING TRAFFIC (SIGNS AND BARRICADES)

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 OF THE TYPE AND LOCATION AS DEPICTED ON SHEETS 7 AND 8.

### ITEM 614, MAINTAINING TRAFFIC

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, EXCEPT FOR A PERIOD NOT TO EXCEED 20 CONSECUTIVE CALENDAR DAYS PER LOCATION FROM MAY 22 TO AUGUST 11, WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON SHEETS 7 AND 8. A DISINCENTIVE SHALL BE ASSESSED IN THE AMOUNT OF \$5,000 PER DAY FOR EACH CALENDAR DAY THE ROADWAY REMAINS CLOSED TO TRAFFIC BEYOND THE SPECIFIED LIMIT.

NOTICE OF CLOSURE SIGNS (W20-H13) SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD OR RAMP CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW. AT THE APPROVAL OF THE ENGINEER, PORTABLE CHANGEABLE MESSAGE SIGNS MAY BE USED IN LIEU OF THE STANDARD FLATSHEET SIGN FOR CLOSURE DURATIONS OF LESS THAN 1 WEEK.

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD/RAMP FACING TRAFFIC. THEY SHALL BE PLACED SO AS NOT TO INTERFERE WITH THE VISIBILITY OF ANY OTHER TRAFFIC CONTROL SIGNS. ON ROADWAYS, THEY SHOULD BE ERECTED AT THE POINT OF CLOSURE. THE SIGNS MAY BE ERECTED ANYWHERE ON RAMPS AS LONG AS THEY ARE VISIBLE TO THE MOTORISTS USING THE RAMP. ON ENTRANCE RAMPS, THE SIGN SHALL BE ERECTED WELL IN ADVANCE OF THE MERGE AREA TO AVOID DISTRACTING MOTORISTS.

NOTICE OF CLOSURE SIGN TIME TABLE

ITEM DURATION OF CLOSURE
RAMP & >=2 WEEKS 14 CALENDAR DAYS PRIOR TO CLOSURE
ROAD > 12 HOURS & < 2 WEEKS 7 CALENDAR DAYS PRIOR TO CLOSURE
CLOSURES < 12 HOURS 2 BUSINESS DAYS PRIOR TO CLOSURE

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MMM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF THE W20-H13 SIGN LISTS A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION. THIS IS TO BE A SPECIFIC OFFICE WITHIN THE DISTRICT RATHER THAN THE GENERAL SWITCHBOARD NUMBER.

SR 350 WILL BE CLOSED ----FOR 20 DAYS
INFO: 513-933-6534

W20-H1-60

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH CMS 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.

# DESIGNATED LOCAL DETOUR ROUTES

IN ADDITION TO THE OFFICIAL, SIGNED DETOUR ROUTE, A LOCAL ROUTE HAS BEEN DETERMINED TO BE THE SECONDARY, UNSIGNED DETOUR ROUTE OR "DESIGNATED LOCAL DETOUR ROUTE." THESE ROUTES ARE SHOWN ON THE DETOUR MAP ON THE SHEETS LISTED IN THE PROJECT LOCATION WITH DETOURS TABLE ON THIS SHEET. DURING THE TIME THAT TRAFFIC IS DETOURED, THE CONTRACTOR SHALL MAINTAIN THESE ROUTE IN A CONDITION WHICH IS REASONABLY SMOOTH AND FREE FROM HOLES, RUTS, RIDGES, BUMPS, DUST AND STANDING WATER. ONCE THE DETOUR IS REMOVED AND TRAFFIC RETURNED TO ITS NORMAL PATTERN, THE DESIGNATED LOCAL DETOUR ROUTES SHALL BE RESTORED TO A CONDITION THAT IS EQUIVALENT TO THAT WHICH EXISTED PRIOR TO ITS USE FOR THIS PURPOSE. ALL SUCH WORK SHALL BE PERFORMED WHEN AND AS DETERMINED BY THE ENGINEER.

THE FOLLOWING ESTIMATED QUANTITIES ARE PROVIDED FOR USE AS DETERMINED BY THE ENGINEER TO MAINTAIN AND SUBSEQUENTLY RESTORE THE DESIGNATED LOCAL DETOUR ROLLT.

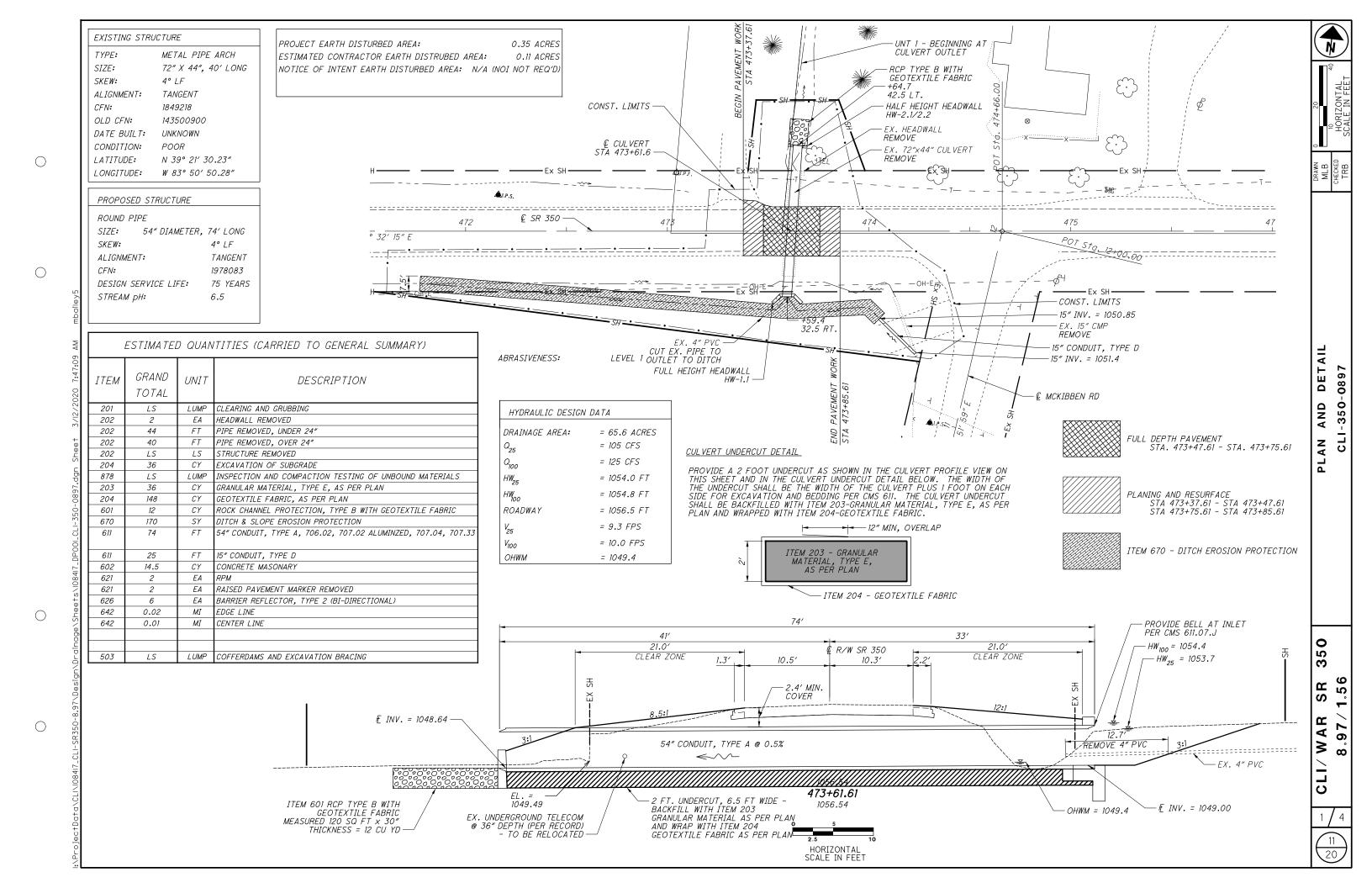
ITEM 301, ASPHALT CONCRETE BASE, PG 64-22
ITEM 304, AGGREGATE BASE
ITEM 407, TACK COAT
ITEM 441, ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22
ITEM 642, EDGE LINE, 6"
O.2 MILE
ITEM 642, CENTER LINE
O.1 MILE

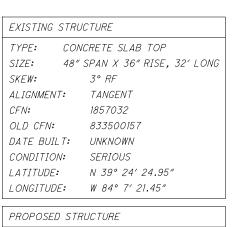
## ITEM 614 - DETOUR SIGNING

THE CONTRACTOR SHALL PROVIDE, MAINTAIN, AND SUBSEQUENTLY REMOVE ALL DETOUR SIGNING AND SUPPORTS AS SHOWN ON SHEETS 7 AND 8 ON STANDARD CONSTRUCTION DRAWING MT-101.60. ALL WORK SHALL BE PAID FOR UNDER ITEM 614, DETOUR SIGNING.

C

	SHEET NUM.	PART.		ITEM	GRAND		22021271011	SEE
4 6 10 11	15	01/STR/C	ITEM	EXT	TOTAL	UNIT	DESCRIPTION	SEE SHEET No.
		,					ROADWAY	
15		LS	201	11000	LS		CLEARING AND GRUBBING	
2	2	4	202	20010	4		HEADWALL REMOVED	
142		142	202	23010	142		PAVEMENT REMOVED, ASPHALT	
44		44	202	35100	44		PIPE REMOVED, 24" AND UNDER	
40 LS	LS	40 LS	202 202	35200 11000	40 LS	FT	PIPE REMOVED, OVER 24" STRUCTURE REMOVED	
	37.5	37.5	202	38000	37.5	FT	GUARDRAIL REMOVED	
	2	2	202	42010	2		ANCHOR ASSEMBLY REMOVED, TYPE E	
161		161	204	10000	161		SUBGRADE COMPACTION	
36		36	204	13000	36		EXCAVATION OF SUBGRADE	
LS	LS	LS	878	25000	LS		INSPECTION AND COMPACTION TESTING OF UNBOUND MATERIALS	
242	2	244	203	10000	244		EXCAVATION	
111	53	164	203	20000	164		EMBANKMENT	
36		36	203	35141	36		GRANULAR MATERIAL, TYPE E, AS PER PLAN	4
148		148	204	50001	148		GEOTEXTILE FABRIC, AS PER PLAN	4
	275	275	606	15050	275		GUARDRAIL, TYPE MGS	
	25	25	606	15100	25		GUARDRAIL, TYPE MGS WITH LONG POSTS	
	2 2	2 2	606	26150	2 2		ANCHOR ASSEMBLY, MGS TYPE E, NCHRP 350 OR MASH 2016	
	2	2	606	26500	2	EACH	ANCHOR ASSEMBLY, TYPE T	
							EROSION CONTROL	
12	11	23	601	32104	23	CY	ROCK CHANNEL PROTECTION, TYPE B WITH GEOTEXTILE FABRIC	1
296		296	659	00300	296	CY	TOPSOIL	
1,174		1,174	659	10000	1,174	SY	SEEDING AND MULCHING	
0.36		0.36	654	11000	0.36		COMMERCIAL FERTILIZER	
0.55		0.55	659	31000	0.55		LIME	
14.4		14.4	659	35000	14.4		WATER	
170		170	670	00700	170	SY	DITCH EROSION PROTECTION	
		1	832	30000	1	EACH	EROSION CONTROL	
							DRAINAGE	
74		74	611	22200	74	FT	54" CONDUIT, TYPE A, 706.02, 707.02 ALUMINIZED, 707.04, 707.33	
	41	41	611	53000	41		38" X 60" CONDUIT, TYPE A, 706.04	
14.5	25.8	40.3	602	20000	40.3		CONCRETE MASONRY	
25		25	611	06400	25		15" CONDUIT, TYPE D	
							PAVEMENT	
106		106	254	01000	106		PAVEMENT PLANING, ASPHALT CONCRETE, 1.25" DEPTH	
25		25	301	46000	25		ASPHALT CONCRETE BASE, PG64-22	
25		25	304	20000	25		AGGREGATE BASE	
24		24	407	20000	24		NON-TRACKING TACK COAT	
16		16	441	50000	16	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	
							TRAFFIC CONTROL	
2	2	4	621	00100	4	EACH	RPM	
2	2	4	621	54000	4		RAISED PAVEMENT MARKER REMOVED	
6	6	12	626	00110	12		BARRIER REFLECTOR, TYPE 2, BIDIRECTIONAL	
0.02	0.02	0.04	642	00104	0.04	MILE	EDGE LINE, 6", TYPE 1	
0.01	0.01	0.02	642	00300	0.02	MILE	CENTER LINE, TYPE I	
			507	4440.0	1.6		STRUCTURE 20 FOOT SPAN AND UNDER (CLI-350-0897 & WAR-350-0156)	
		LS	503	11100	LS		COFFERDAMS AND EXCAVATION BRACING	
							MAINTENANCE OF TRAFFIC	
20		20	614	11110	20	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
LS		LS	614	12420	LS		DETOUR SIGNING	
20		20	301	46000	20	CY	ASPHALT CONCRETE BASE, PG64-22	
20		20	304	20000	20	CY	AGGREGATE BASE	
20		20	407	10000	20		TACK COAT	
30		30	441	50000	30		ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	
0.02		0.02	642	00104	0.02		EDGE LINE, 6", TYPE 1	
0.01		0.01	642	00300	0.01	MILE	CENTER LINE, TYPE 1	
							WORFHTHIC	
			C14	11000	LS		INCIDENTALS  MAINTAINING TRAFFIC	
		LS 1.S	614 623					
		LS   LS   LS	623 624	10000	LS LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING MOBILIZATION	





ELLIPTICAL CONCRETE PIPE SIZE: 60" SPAN x 38" RISE, 43' LONG SKEW: 3° RF ALIGNMENT: TANGENT CFN: 1978084 DESIGN SERVICE LIFE: 75 YEARS STREAM pH: 6.5 ABRASIVENESS: LEVEL 3

 $\bigcirc$ 

PLANING AND RESURFACE STA. 473+38.35 - STA. 473+48.35 STA. 473+74.85 - STA. 473+84.85



621

626

642

642

503

6

0.02

0.01

LS

EΑ

EΑ

ΜI

ΜI

EDGE LINE

CENTER LINE

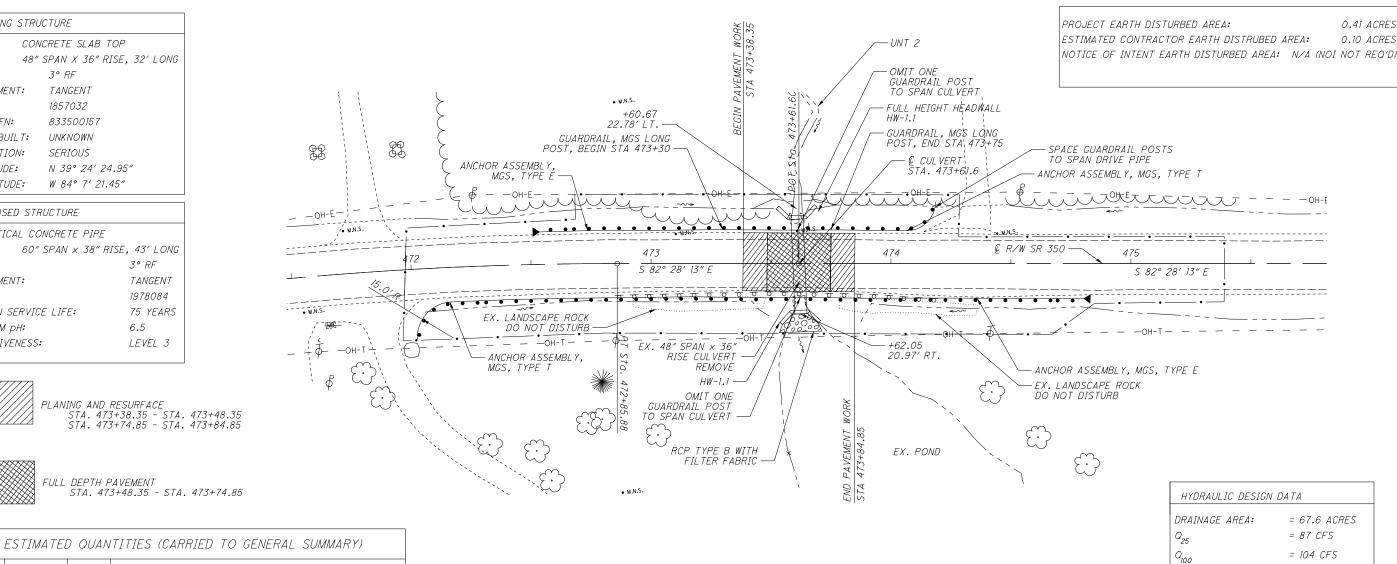
FULL DEPTH PAVEMENT STA. 473+48.35 - STA. 473+74.85

#### GRAND ITEM UNI 7 DESCRIPTION TOTAL 201 LS LUMP CLEARING AND GRUBBING EΑ HEADWALL REMOVED 202 LUMP STRUCTURE REMOVED 202 LS 202 37.5 FT GUARDRAIL REMOVED 202 EΑ ANCHOR ASSEMBLY REMOVED, TYPE E 878 LUMP INSPECTION AND COMPACTION TESTING OF UNBOUND MATERIALS FT 606 275 GUARDRAIL, TYPE MGS 25 FT GUARDRAIL, TYPE MGS WITH LONG POSTS 606 606 EΑ ANCHOR ASSEMBLY, MGS TYPE E ANCHOR ASSEMBLY, MGS TYPE T 606 EΑ ROCK CHANNEL PROTECTION, TYPE B WITH GEOTEXTILE FABRIC 601 11 CY38"x60" CONDUIT, TYPE A, 706.04 FΤ 611 41 CONCRETE MASONARY 602 25.8 CY

RAISED PAVEMENT MARKER REMOVED

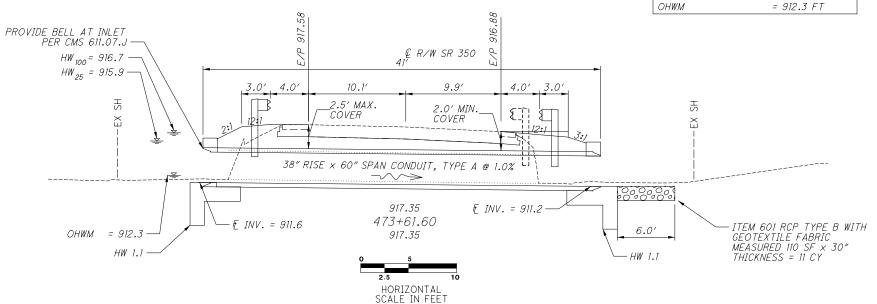
LUMP COFFERDAMS AND EXCAVATION BRACING

BARRIER REFLECTOR, TYPE 2 (BI-DIRECTIONAL)



CONSTRUCT HEADWALLS PER HW-1.1
USING 60" PIPF DIAMFTER (0=0°)
001 00 . 1. 2 01
WITH THE FOLLOWING REVISIONS:
WITH THE TOLLOWING NEVISIONS.

PIPE SIZE	CONC. CU YD	STEEL (LBS)
60" × 38"	12.9	1166



N

DETAIL R-350-0156 AND Ν ≥

P

= 915.9 FT

= 916.7 FT

= 917.3 FT

= 10.0 FPS

= 11.8 FPS

HW<sub>25</sub>

· HW

V100

ROADWAY

0 က  $\mathbf{\alpha}$ 5 S

 $\mathbf{\alpha}$ 97 ⋖ ≥ O

15 20