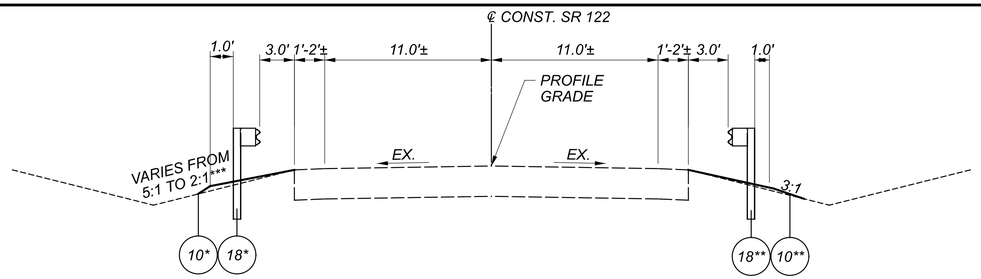
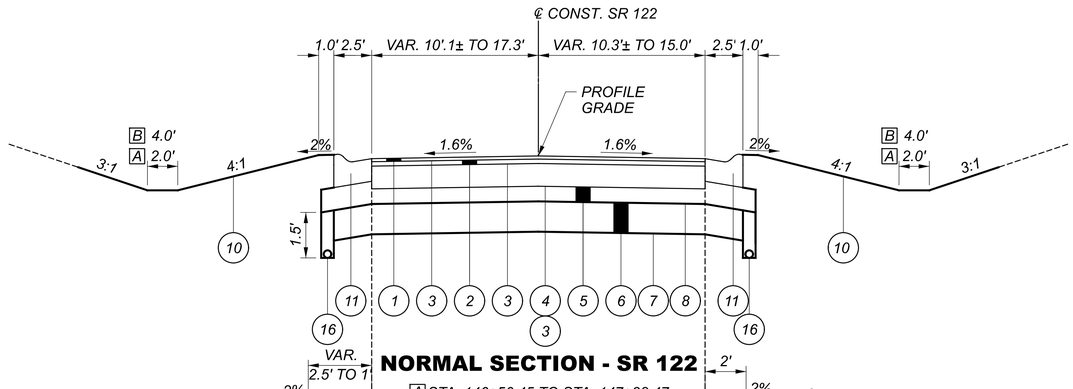


EXISTING SECTION - SR 122

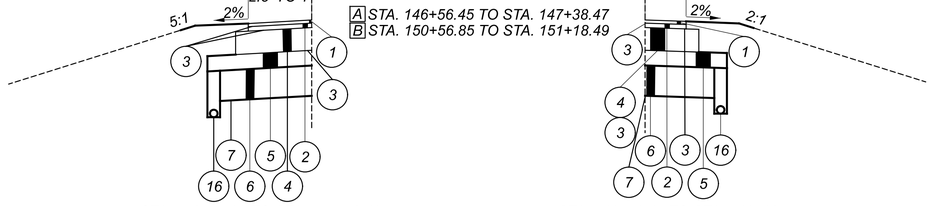
* STA. 151+40.88 TO STA. 153+60.96
** STA. 151+48.02 TO STA. 152+99.96
*** SEE CROSS SECTIONS FOR GRADING DETAIL

STA. 146+56.45
STA. 151+18.49



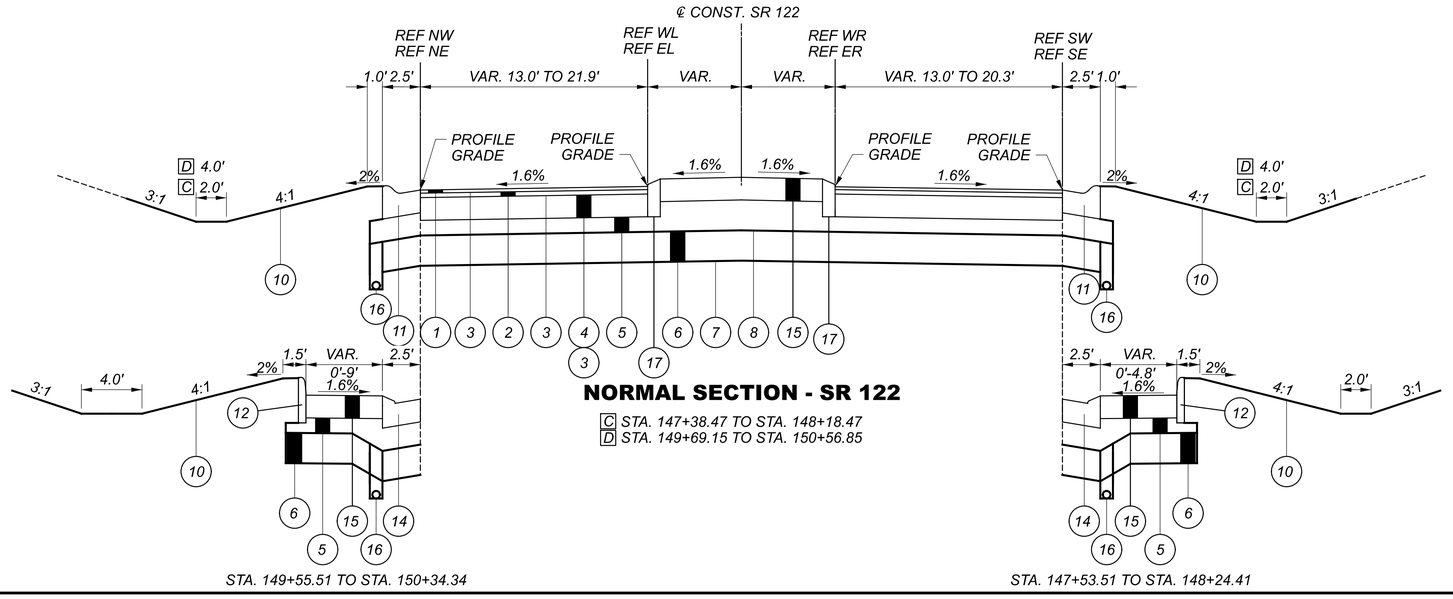
NORMAL SECTION - SR 122

A STA. 146+56.45 TO STA. 147+38.47
B STA. 150+56.85 TO STA. 151+18.49



STA. 150+55.60 TO STA. 151+18.49

STA. 146+56.45 TO STA. 146+68.55



NORMAL SECTION - SR 122

C STA. 147+38.47 TO STA. 148+18.49
D STA. 149+69.15 TO STA. 150+56.85

STA. 149+55.51 TO STA. 150+34.34

STA. 147+53.51 TO STA. 148+24.41

LEGEND

1. ITEM 442 –1½" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448)
2. ITEM 442 – 1¾" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (448)
3. ITEM 407 – NON-TRACKING TACK COAT
4. ITEM 301 – 7" ASPHALT CONCRETE BASE, PG64-22, (449)
5. ITEM 304 – 6" AGGREGATE BASE
6. ITEM 204 - EXCAVATION OF SUBGRADE, 12" DEEP
   ITEM 204 - GRANNULAR MATERIAL, TYPE C
7. ITEM 204 - GEOTEXTILE FABRIC
8. ITEM 204 - SUBGRADE COMPACTION
   ITEM 204 - PROOF ROLLING
9. ITEM 254 - 1½" PAVEMENT PLANING, ASPHALT CONCRETE
10. ITEM 659 - SEEDING AND MULCHING
11. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 3
12. ITEM 609 - CURB, TYPE 6
13. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 9
14. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 9, AS PER PLAN
15. ITEM 452 - 9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1P, AS PER PLAN
16. ITEM 605 - 6" BASE PIPE UNDERDRAINS
17. ITEM 609 - CURB, TYPE 10 (T = 12")
18. ITEM 606 - GUARDRAIL, TYPE MGS

A EXISTING ASPHALT (DEPTH ASPHALT CONCRETE ±6", DEPTH AGGREGATE BASE ±9")

TYPICAL SECTIONS - S.R. 122

DESIGN AGENCY

DESIGNER SRO
REVIEWER JDO MM-DD-YY
PROJECT ID 114613
SHEET P.4 TOTAL 80

BUT-122-2.70

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.

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

ITEM 670 - SLOPE EROSION PROTECTION 300 SY

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.

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

ITEM 670 - DITCH EROSION PROTECTION MAT, TYPE A 530 SY

PIPE CONNECTIONS TO CORRUGATED METAL STRUCTURES

PROVIDE CONNECTIONS OF PROPOSED LONGITUDINAL DRAINAGE TO CORRUGATED METAL STRUCTURES BY MEANS OF A SHOP FABRICATED OR FIELD WELDED STUB ON THE STRUCTURE. FURNISH A STUB MEETING THE REQUIREMENTS OF 707 WITH A MINIMUM LENGTH OF 2 FEET AND A MINIMUM WALL THICKNESS OF 0.064 INCHES.

THE LOCATION AND ELEVATION OF THE STUB ARE TO BE CONSIDERED APPROXIMATE AND MAY BE ADJUSTED BY THE ENGINEER TO AVOID CUTTING THROUGH JOINTS IN THE STRUCTURE.

THOROUGHLY CLEAN AND REGALVANIZE OR OTHERWISE SUITABLY REPAIR THE FIELD WELDED JOINT, IF USED. MEET WELDING REQUIREMENTS OF 513.21.

PROVIDE A MASONRY COLLAR PER STANDARD CONSTRUCTION DRAWING DM-1.1, TO CONNECT THE LONGITUDINAL DRAINAGE TO THE STUB, WHEN PIPE OTHER THAN CORRUGATED METAL IS USED FOR THE LONGITUDINAL DRAINAGE.

PAYMENT FOR CUTTING INTO THE STRUCTURE AND PROVIDING THE CONNECTION DESCRIBED, IS INCLUDED IN THE CONTRACT PRICE FOR ITEM 611 OR 522.

DRAINAGE DISCHARGE CONTINUANCE

FURNISH A DRAINAGE DISCHARGE CONTINUANCE FOR PRIVATE SUMP PUMP LINE AND ANY DRAINAGE DISCHARGE DISTURBED BY THE WORK AND NOT SHOWN IN THE PLANS. THE LOCATION, TYPE (CONDUIT ORSWALE), SIZE AND GRADE OF THE DRAINAGE DISCHARGE CONTINUANCE WILL BE AGREED TO BY THE ENGINEER

FURNISH AN INSPECTION WELL AT THE RIGHT OF WAY LINE IN ACCORDANCE WITH SCD DM-3.1 FOR EACH DRAINAGE DISCHARGE THAT OUTLETS THROUGH A CURB OPENING, OR INTO A STORM SEWER OR DRAINAGE STRUCTURE. THE COST IS INCLUDED IN ITEM 611, INSPECTION WELL.

FURNISH A WELL GRADED TRANSITION BETWEEN THE DITCH AND THE SWALEWHEN OUTLETTING A SWALE TO A DITCH. THE COST FOR THE GRADED TRANSITION IS INCLUDED IN ITEM 203, EMBANKMENT AS PER PLAN.

FURNISH AN EROSION CONTROL PAD AS SHOWN IN SCD DM-1.1 WHEN OUTLETTING A CONDUIT TO A DITCH. THE COST FOR THE EROSION CONTROL PAD IS INCLUDED IN ITEM 611, CONDUIT, MISC: TYPE F FOR DRAINAGE DISCHARGE CONTINUANCE.

FURNISH A DRILLED HOLE OR A CURB SECTION WITH A HOLE WHEN OUTLETTING A CONDUIT THROUGH A CURB OPENING. THE COST OF DRILLING, OR FURNISHING THE CURB SECTION WITH HOLE IS INCLUDED IN ITEM 611, CONDUIT, MISC.: TYPE F FOR DRAINAGE DISCHARGE CONTINUANCE.

FURNISH A DRILLED CORE HOLE WHEN OUTLETTING INTO A STORM SEWER OR DRAINAGE STRUCTURE. THE COST OF THE DRILLED CORE HOLE IS INCLUDED IN ITEM 611, CONDUIT, MISC.: TYPE F FOR DRAINAGE DISCHARGE CONTINUANCE.

DOCUMENTATION
THE CONTRACTOR SHALL FURNISH WRITTEN DOCUMENTATION TO THE ENGINEER AND TO THE DISTRICT R/W PERMIT OFFICE. THE DOCUMENTATION INCLUDES THE CONSTRUCTION PROJECT NUMBER, PID, COUNTY, ROUTE, SECTION, LATITUDE AND LONGITUDE OF THE DRAINAGE DISCHARGE AT THE R/W, THE NAME OF PROPERTY OWNER WITH ADDRESS, THE DATE THE DRAINAGE DISCHARGE WAS LOCATED, THE DATE THE DRAINAGE DISCHARGE CONTINUANCE WAS FURNISHED, A DETAILED DESCRIPTION OF THE WORK AND PICTURES OF THE DRAINAGE DISCHARGE CONTINUANCE (IN PDF OR JPEG FORMAT). THE DOCUMENTATION IS INCLUDED IN ITEM 611, CONDUIT, MISC.: TYPE F FOR DRAINAGE DISCHARGE CONTINUANCE OR ITEM 203, EMBANKMENT AS PER PLAN.

REMOVE THE INSPECTION WELL AND RESTORE ALL AREAS AS REQUIRED. THE COST IS INCLUDED IN ITEM 202, REMOVAL MISC. INSPECTION WELL.

CONDUIT MATERIAL TYPES
THE FOLLOWING CONDUIT MATERIAL TYPES ARE PERMITTED: 707.33, 707.41 NON- PERFORATED, 707.42, 707.43, 707.45, 707.46, 707.47, 707.51, AND 707.52 SDR35.

PAY ITEMS
EACH OF THE PAY ITEMS LISTED BELOW FOR CONDUIT MISCELLANEOUS TYPES B, C, E AND F FOR DRAINAGE DISCHARGE CONTINUANCE INCLUDE CONDUIT SIZES 2 INCH TO 10 INCH. THERE IS NO COST DIFFERENTIATION FOR SIZE IN THESE PAY ITEMS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER IN MAKING THE ABOVE DRAINAGE DISCHARGE CONTINUANCE:

ITEM 611, 1 EACH INSPECTION WELL
ITEM 611, 10 FT. CONDUIT, MISC TYPE F FOR DRAINAGE DISCHARGE CONTINUANCE
ITEM 202, 20 FT. REMOVAL MISC CONDUIT
ITEM 202, 1 EACH REMOVAL MISC INSPECTION WELL
ITEM 203, 3 CUBIC YARD EMBANKMENT AS PER PLAN

GENERAL NOTES

MODEL: Sheet - 3 - PAPERSIZE: 34x22 (in.) DATE: 11/25/2024 TIME: 10:05:10 AM USER: gtout
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 08\Butler\114613\400-Engineering\Roadway\Sheets\114613_GN001.dgn

DESIGN AGENCY

DESIGNER SRO

REVIEWER JDO MM-DD-YY

PROJECT ID 114613

SEQUENCE OF CONSTRUCTION

PHASE 1: COMPLETE CLOSURE
1. SET UP DETOUR PER DETOUR PLAN SHEETS.
2. CLOSE TRAFFIC IN ALL DIRECTIONS AT THE INTERSECTION OF S.R. 122 AND ELK CREEK RD.
3. MAINTAIN CLOSURE FOR NO MORE THAN 90 DAYS UNTIL CONSTRUCTION IS COMPLETED.
4. OPEN THE ROUNDABOUT TO TRAFFIC ONCE ALL CONSTRUCTION IS COMPLETED, INCLUDING SIGNING AND PAVEMENT MARKINGS.

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 90 CONSECUTIVE CALENDAR DAYS, WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON SHEETS P.11 - P.12. A DISINCENTIVE SHALL BE ASSESSED IN THE AMOUNT OF $20,000 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 OR NEAR 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	SIGN DISPLAYED TO PUBLIC
RAMP &	>=2 WEEKS PRIOR TO CLOSURE	14 CALENDAR DAYS
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. THE NUMBER TO BE USED IS 513-933-6600.

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.

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.

DISTRICT PUBLIC INFORMATION OFFICER BY EMAIL AT DOT.D08.PIO@DOT.OHIO.GOV
DISTRICT PERMIT SECTION BY EMAIL AT D08.PERMITS@DOT.OHIO.GOV
CENTRAL OFFICE SPECIAL HAUL PERMITS SECTION BY EMAIL AT HAULING.PERMITS@DOT.OHIO.GOV
DISTRICT TRAFFIC, DETOUR SECTION BY EMAIL AT DOT.D08.DETOURS@DOT.OHIO.GOV

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, DETOUR SIGNING

THE CONTRACTOR SHALL PROVIDE, MAINTAIN, AND SUBSEQUENTLY REMOVE ALL DETOUR SIGING AND SUPPORTS AS SHOWN ON SHEETS P.11 - P.12 AND ON STANDARD CONSTRUCTION DRAWING MT-101.60. ALL WORK SHALL BE PAID FOR UNDER ITEM 614, DETOUR SIGNING.

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 TASKS:

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

DURING A TRAFFIC SIGNAL INSTALLATION WHEN IMPACTING THE NORMAL FUNCTION OF THE SIGNAL OR THE FLOW OF TRAFFIC, OR WHEN TRAFFIC NEEDS TO BE DIRECTED THROUGH AN ENERGIZED TRAFFIC SIGNAL CONTRARY TO THE SIGNAL DISPLAY (E.G., DIRECTING MOTORISTS THROUGH A RED LIGHT).

IN ADDITION TO THE REQUIREMENT 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) SHOULD BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS AS APPROVED BY THE ENGINEER:

FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP).

IN GENERAL, LEOS SHOULD BE POSITIONED IN ADVANCE OF AND ON THE SAME SIDE AS THE LANE RESTRICTION (OR AT THE POINT OF ROAD CLOSURE), AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH SIGNALIZED INTERSECTIONS IN WORK ZONES.

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.

ENSURE PROVIDED LEOS HAVE BEEN TRAINED APPROPRIATE TO THE JOB DECISIONS THEY ARE REQUIRED TO MAKE WHILE ON THE PROJECT, IN ACCORDANCE WITH C&MS 614.03.

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. 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 THAT SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

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 16 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 A LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

WINDOW CONTRACT TABLE

DESCRIPTION OF CRITICAL WORK	CALENDAR DAYS TO COMPLETE	DISINCENTIVE $ PER DAY	WORK WINDOW	
			START	END
ALL WORK REQUIRING ROAD CLOSURE	90 DAYS	$20,000 PER DAY	NOTICE TO PROCEED	COMPLETION DATE

MAINTENANCE OF TRAFFIC GENERAL NOTES

DESIGN AGENCY

DESIGNER GAT
REVIEWER XXX MM-DD-YY
PROJECT ID 114613
SHEET P.10 TOTAL 80

BUT-122-2.70

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 11/25/2024 TIME: 1:38:26 PM USER: gtout
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 08\Butler\114613\400-Engineering\MOT\Sheets\114613_MN001.dgn

SHEET NUM.												PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P.7	P.8	P.9	P.16	P.17	P.18	P.48	P.60					01/SAF/21	02/SAF/43						
																		ROADWAY	
												LS		201	11000	LS		CLEARING AND GRUBBING	
				3,263								3,263		202	23000	3,263	SY	PAVEMENT REMOVED	
				297								297		202	35100	297	FT	PIPE REMOVED, 24" AND UNDER	
							5					5		202	35200	5	FT	PIPE REMOVED, OVER 24"	
				315								315		202	38000	315	FT	GUARDRAIL REMOVED	
				4								4		202	42010	4	EACH	ANCHOR ASSEMBLY REMOVED, TYPE E	
				1								1		202	58100	1	EACH	CATCH BASIN REMOVED	
				3								3		202	98100	3	EACH	REMOVAL MISC.: BOULDER	
		1										1		202	98100	1	EACH	REMOVAL MISC.: INSPECTION WELL	P.9
				2								2		202	98100	2	EACH	REMOVAL MISC.: POLE	
		20										20		202	98200	20	FT	REMOVAL MISC.: CONDUIT	P.9
						3,176						3,176		203	10000	3,176	CY	EXCAVATION	
						1,882						1,882		203	20000	1,882	CY	EMBANKMENT	
			6,332									6,332		204	10000	6,332	SY	SUBGRADE COMPACTION	
			2,018									2,018		204	13000	2,018	CY	EXCAVATION OF SUBGRADE	
	504											504		204	20001	504	CY	EMBANKMENT, AS PER PLAN	P.8
			2,018									2,018		204	30020	2,018	CY	GRANULAR MATERIAL, TYPE C	
	46											46		204	30041	46	CY	GRANULAR MATERIAL, TYPE E, AS PER PLAN	P.8
3												3		204	45000	3	HOUR	PROOF ROLLING	
			6,052									6,052		204	50000	6,052	SY	GEOTEXTILE FABRIC	
			948									948		452	13011	948	SY	9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN	P.8
				175								175		606	15050	175	FT	GUARDRAIL, TYPE MGS	
				4								4		606	26150	4	EACH	ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)	
												9		623	40500	9	EACH	REFERENCE MONUMENT, TYPE A	
				6								6		SPECIAL	69050350	6	EACH	MAILBOX REMOVED AND RESET	P.8
												LS		SPECIAL	69098400	LS		CONSULTANT FOR CONCRETE QUALITY CONTROL INCLUDING TESTING AND INSPECTION	P.8
												LS		878	25000	LS		INSPECTION AND COMPACTION TESTING OF UNBOUND MATERIALS	
																		EROSION CONTROL	
					4							4		601	21050	4	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	
	462											462		659	00300	462	CY	TOPSOIL	
	4,166											4,166		659	10000	4,166	SY	SEEDING AND MULCHING	
	0.58											0.58		659	20000	0.58	TON	COMMERCIAL FERTILIZER	
	0.86											0.86		659	31000	0.86	ACRE	LIME	
	23.1											23.1		659	35000	23.1	MGAL	WATER	
		300										300		670	00500	300	SY	SLOPE EROSION PROTECTION	
		530										530		670	00700	530	SY	DITCH EROSION PROTECTION	
												LS		832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN	
												LS		832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS	
												LS		832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	
												30,000		832	30000	30,000	EACH	EROSION CONTROL	
																		DRAINAGE	
					1.8							1.8		602	20000	1.8	CY	CONCRETE MASONRY	
					1,881							1,881		605	14000	1,881	FT	6" BASE PIPE UNDERDRAINS	
50												50		611	00400	50	FT	4" CONDUIT, TYPE E	
					128							128		611	00510	128	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	
					68							68		611	04400	68	FT	12" CONDUIT, TYPE B	
					255							255		611	04900	255	FT	12" CONDUIT, TYPE D	
					134							134		611	06100	134	FT	15" CONDUIT, TYPE C	
					34							34		611	08900	34	FT	21" CONDUIT, TYPE B	
					25							25		611	09100	25	FT	21" CONDUIT, TYPE C	
					79							79		611	10400	79	FT	24" CONDUIT, TYPE B	
					21							21		611	10600	21	FT	24" CONDUIT, TYPE C	
					6							6		611	23800	6	FT	60" CONDUIT, TYPE B	
		10										10		611	97400	10	FT	CONDUIT, MISC.: TYPE F FOR DRAINAGE DISCHARGE CONTINUANCE	P.9
					5							5		611	98150	5	EACH	CATCH BASIN, NO. 3	
					4							4		611	98180	4	EACH	CATCH BASIN, NO. 3A	

GENERAL SUMMARY

DESIGN AGENCY

DESIGNER GAT

REVIEWER XXX MM-DD-YY

PROJECT ID 114613

SHEET P.13 TOTAL 80

BUT-122-2.70

SHEET NUM.												PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P.9	P.16	P.17	P.18	P.63	P.67	P.68	P.74					01/SAF/21	02/SAF/43						
																		DRAINAGE (CONT.)	
			1									1		611	98370	1	EACH	CATCH BASIN, NO. 6	
			2									2		611	98450	2	EACH	CATCH BASIN, NO. 2-2A	
			1									1		611	98510	1	EACH	CATCH BASIN, NO. 2-3	
			1									1		611	98571	1	EACH	CATCH BASIN, NO. 2-5, AS PER PLAN	P.60
			2									2		611	99710	2	EACH	PRECAST REINFORCED CONCRETE OUTLET	
1												1		611	99720	1	EACH	INSPECTION WELL	
																		PAVEMENT	
	889											889		301	56000	889	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
	1,070											1,070		304	20000	1,070	CY	AGGREGATE BASE	
	491											491		407	20000	491	GAL	NON-TRACKING TACK COAT	
	8											8		441	70500	8	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS)	
	188											188		442	20000	188	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448)	
	220											220		442	20170	220	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (448)	
	143											143		452	10010	143	SY	6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	
					1,497							1,497		609	18000	1,497	FT	COMBINATION CURB AND GUTTER, TYPE 3	
					416							416		609	26000	416	FT	CURB, TYPE 6	
					346							346		609	31000	346	FT	COMBINATION CURB AND GUTTER, TYPE 9	
					168							168		609	31001	168	FT	COMBINATION CURB AND GUTTER, TYPE 9, AS PER PLAN	P.6
					929							929		609	33000	929	FT	CURB, TYPE 10	
																		WATER WORK	
				4								0.6	3.4	202	75611	4	EACH	VALVE BOX REMOVED, AS PER PLAN	P.62
				120								18.4	101.6	638	04801	120	FT	¾" COPPER SERVICE BRANCH, AS PER PLAN	P.62
				119								18.2	100.8	638	06709	119	FT	24" STEEL PIPE ENCASEMENT, OPEN CUT, AS PER PLAN	P.62
				1								0.2	0.8	638	10501	1	EACH	FIRE HYDRANT REMOVED AND RESET, AS PER PLAN	P.62
				412								63.2	348.8	SPECIAL	63811604	412	FT	8" WATER MAIN DIP AND FITTINGS (2.01,3.01)	P.62
				265								40.6	224.4	SPECIAL	63811606	265	FT	10" WATER MAIN DIP AND FITTINGS (2.01, 3.01)	P.62
				411								63	348	SPECIAL	63811608	411	FT	12" WATER MAIN DIP AND FITTINGS (2.01,3.01)	P.62
				1								0.2	0.8	SPECIAL	63820538	1	EACH	6" GATE VALVE WITH VALVE BOX (2.05,3.04)	P.62
				1								0.2	0.8	SPECIAL	63820570	1	EACH	10" GATE VALVE WITH VALVE BOX (2.05,3.04)	P.62
				3								0.5	2.5	SPECIAL	63820586	3	EACH	12" GATE VALVE WITH VALVE BOX (2.05,3.04)	P.62
				1								0.2	0.8	638	98000	1	EACH	WATER WORK, MISC.: ¾" CURB VALVE & BOX (2.08,3.06)	P.62
				4								0.6	3.4	638	98000	4	EACH	WATER WORK, MISC.: CONNECT TO EX. WATER MAIN	P.62
				5								0.8	4.2	638	98000	5	EACH	WATER WORK, MISC.: INSTALL ¾" METER SETTING, COMPLETE (2.07,3.06)	P.62
				60								9.2	50.8	638	98600	60	FT	WATER WORK, MISC.: 2" PVC CASING	P.62
																		LIGHTING	
							14					14		625	00450	14	EACH	CONNECTION, FUSED PULL APART	
							28					28		625	00460	28	EACH	CONNECTION, UNFUSED PULL APART	
							3					3		625	10490	3	EACH	LIGHT POLE, CONVENTIONAL, 28'	
							11					11		625	10490	11	EACH	LIGHT POLE, CONVENTIONAL, 30'	
							14					14		625	14000	14	EACH	LIGHT POLE FOUNDATION, 24" X 6' DEEP	
							783					783		625	23200	783	FT	NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE	
							1,692					1,692		625	23400	1,692	FT	NO. 10 AWG POLE AND BRACKET CABLE	
							1,109					1,109		625	24320	1,109	FT	1-1/2" DUCT CABLE WITH THREE NO. 4 AWG 2400 VOLT CABLES	
							231					231		625	25506	231	FT	CONDUIT, 3", 725.052	
							14					14		625	26253	14	EACH	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN, TYPE IV	P.75
							1,109					1,109		625	29002	1,109	FT	TRENCH, 24" DEEP	
							8					8		625	30700	8	EACH	PULL BOX, 725.08, 18"	
							15					15		625	32000	15	EACH	GROUND ROD	
							1					1		625	34001	1	EACH	POWER SERVICE, AS PER PLAN	P.75
							1,340					1,340		625	36010	1,340	FT	UNDERGROUND WARNING/MARKING TAPE	
																		TRAFFIC CONTROL	
		6										6		614	13312	6	EACH	BARRIER REFLECTOR, TYPE 2, BIDIRECTIONAL	
					468	91						559		630	03100	559	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
					4	1						5		630	08600	5	EACH	SIGN POST REFLECTOR	
					182	49						231		630	80100	231	SF	SIGN, FLAT SHEET	
					17							17		630	84900	17	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
					12							12		630	86002	12	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	

GENERAL SUMMARY

DESIGN AGENCY

DESIGNER GAT

REVIEWER XXX MM-DD-YY

PROJECT ID 114613

SHEET P.14 TOTAL 80

BUT-122-2.70

PAVEMENT SUBSUMMARY

STATION RANGE			TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	CADD GENERATED AREA	442 ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448)	442 ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (448)	407 NON-TRACKING TACK COAT	301 ASPHALT CONCRETE BASE, PG64-22, (449)	304 AGGREGATE BASE	204 EXCAVATION OF SUBGRADE	204 GRANULAR MATERIAL, TYPE C	204 GEOTEXTILE FABRIC	204 SUBGRADE COMPACTION	452 9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN		452 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449) , (DRIVEWAYS)
					FT	FT	SY	SY	CY	CY	GAL	CY	CY	CY	CY	SY	SY	SY		SY	CY
SR 122																					
146+56.44	TO	148+18.82		LT/RT	162.38	35.00	631.48	711.32	29.64	34.58	39.12	138.31	118.55	237.11	237.11	711.32	711.32				
149+68.82	TO	151+18.49		LT/RT	149.67	34.00	565.44	628.72	26.20	30.56	34.58	122.25	104.79	209.57	209.57	628.72	628.72				
146+56.44	TO	148+18.82		LT/RT	162.38	35.00	631.48	632.54			34.79										
149+68.82	TO	151+18.49		LT/RT	149.67	34.00	565.44	569.34			31.31										
ELK CREEK																					
7+75.05	TO	10+49.26		LT/RT	274.21	32.00	1169.81	1021.23	42.55	49.64	56.17	198.57	170.21	340.41	340.41	1021.23	1021.23				
3+22.42	TO	6+25.34		LT/RT	302.92	33.00	1268.23	1127.83	46.99	54.83	62.03	219.30	187.97	375.94	375.94	1127.83	1127.83				
9+17.64	TO	9+77.16		LT/RT	321.24	3.00	107.08	107.08			5.89	20.82	17.85	35.69	35.69	107.08	107.08				
7+75.05	TO	10+49.26		LT/RT	274.21	32.00	974.97	1021.23			56.17										
3+22.42	TO	6+25.34		LT/RT	302.92	33.00	1110.71	1127.83			62.03										
CENTER CIRCLE																					
148+18.82	TO	149+68.82		LT/RT	150.00	57.00	949.97	1021.00	42.54	49.63	56.16	198.53	170.17	340.33	340.33	1021.00	1021.00				
148+18.82	TO	149+68.82		LT/RT	150.00	57.00	949.97	945.71			52.01										
DRIVEWAYS																					
147+12.37								47.68									47.68			47.68	
3+48.85								20.54									20.54			20.54	
4+46.04								93.13					15.52				93.13				5.17
5+52.24								43.69					7.28				43.69				2.43
5+78.08								50.96									50.96			50.96	
9+03.24								23.52									23.52			23.52	
TRUCK APRON - CENTER CIRCLE																					
								507.23										126.81			
								533.33					88.89	177.78	177.78	533.33	533.33				
TRUCK APRONS - OUTSIDE																					
147+52.24	TO	148+22.05			69.81	3.50	27.15	30.29										7.57			
149+52.11	TO	150+35.07			82.96	6.00	55.31	57.76										14.44			
147+52.24	TO	148+22.05			70.50	4.60	36.03	35.84					8.96	11.95	11.95	35.84	35.84				
149+52.11	TO	150+35.07			83.40	7.30	67.65	67.04					16.76	22.35	22.35	67.04	67.04				
SPLITTER ISLANDS																					
7+76.86	TO	8+75.98		LT/RT	99.12	7.00	77.09	67.27					16.82	22.42	22.42	67.27	67.27	67.27			
9+17.58	TO	9+77.16		LT/RT	59.58	4.00	26.48	19.29					4.82	6.43	6.43	19.29	19.29	19.29			
147+38.41	TO	148+16.81		LT/RT	78.40	8.50	74.04	60.87					15.22	20.29	20.29	60.87	60.87	60.87			
6+06.08	TO	6+23.28		LT/RT	17.20	18.00	34.40	29.01					7.25	9.67	9.67	29.01	29.01	29.01			
4+70.49	TO	5+34.28		LT/RT	63.79	4.00	28.35	17.15					4.29	5.72	5.72	17.15	17.15	17.15			
149+70.88	TO	150+56.87		LT/RT	85.99	8.00	76.44	63.06					15.77	21.02	21.02	63.06	63.06	63.06			
148+53.82 TO	TO	149+33.81		LT/RT	79.99	61.00	542.15	541.94					135.48	180.65	180.65	541.94	541.94	541.94			
SUBTOTALS									187.92	219.24	490.26	897.79	1106.59	2017.33	2017.33	6051.99	6331.50	947.42		142.70	7.60
TOTALS CARRIED TO GENERAL SUMMARY									188	220	491	898	1107	2018	2018	6052	6332	948		143	8

BUT-122-2.70

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 11/26/2024 TIME: 8:08:49 AM USER: gtout
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 08\Butler\114613\400-Engineering\Roadway\Sheets\114613_GS001.dgn

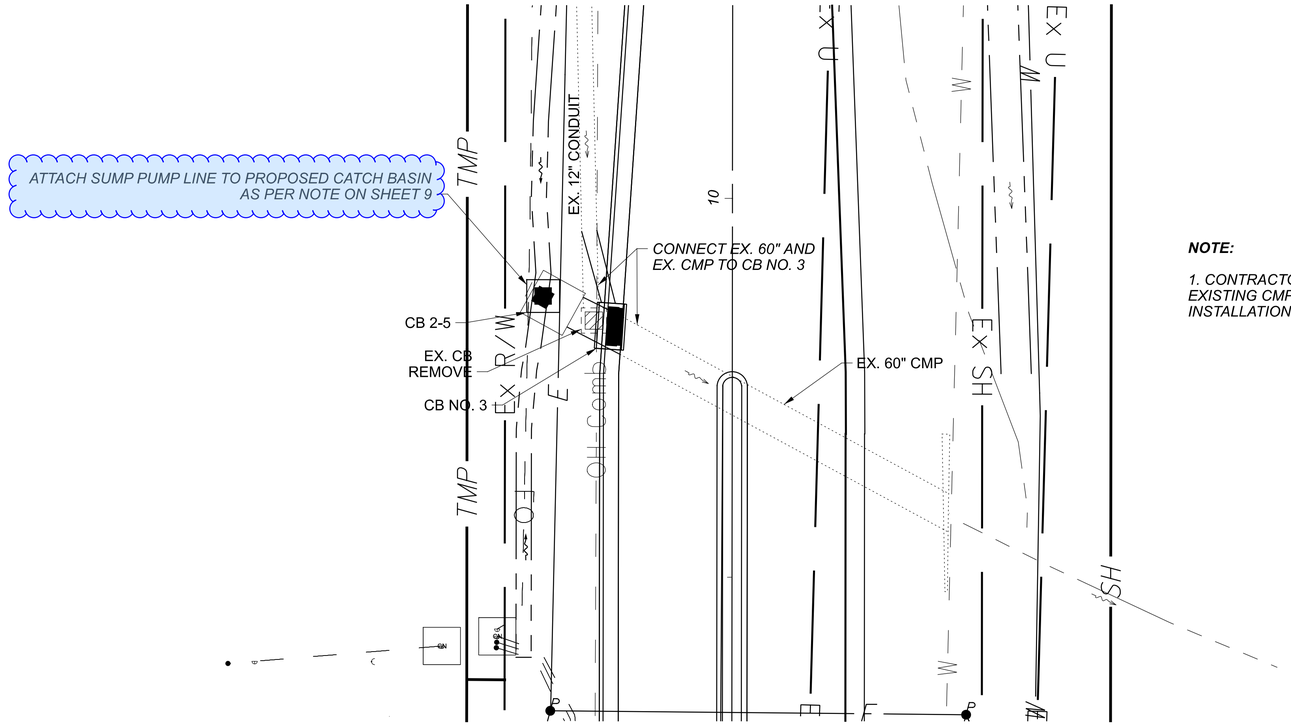
DESIGN AGENCY

DESIGNER GAT

REVIEWER XXX MM-DD-YY

PROJECT ID 114613

SHEET P.16 TOTAL 80



NOTE:

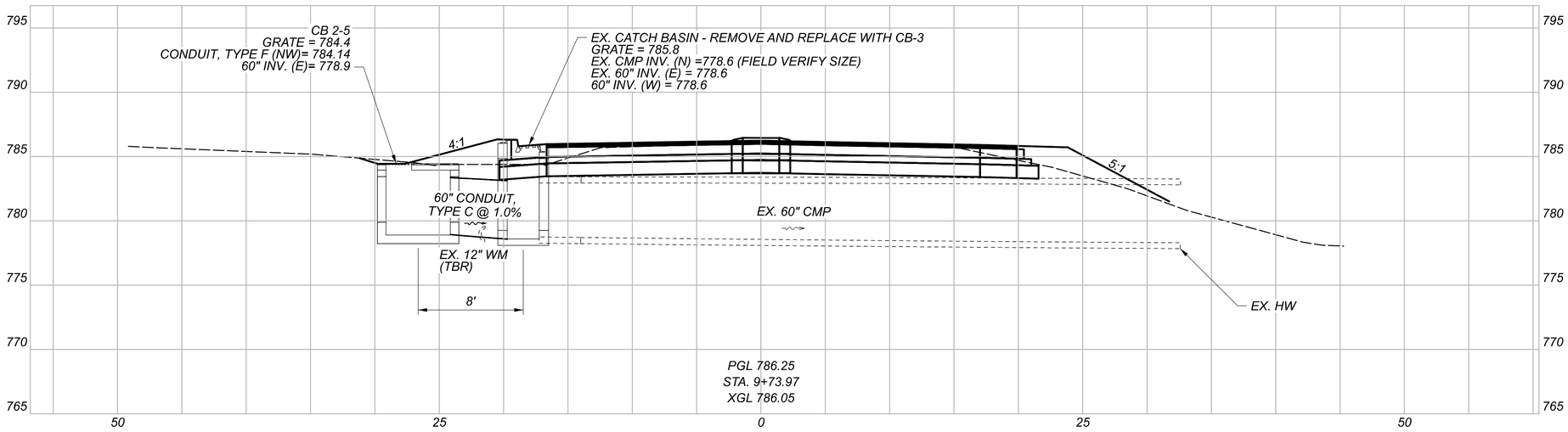
1. CONTRACTOR TO FIELD VERIFY SIZE OF EXISTING CMP PRIOR TO ORDERING AND INSTALLATION OF CATCH BASINS.

EXISTING STRUCTURE

TYPE:	CORRUGATED METAL PIPE
SIZE:	60" x 80'
SKEW:	28° LF
ALIGNMENT:	TANGENT
DATE BUILT:	
CONDITION:	GOOD
CFN:	N/A (LOCAL OWNED)

ESTIMATED QUANTITIES

ITEM	QUANTITY	UNIT	DESCRIPTION
202	5	FT	PIPE REMOVED, OVER 24"
202	1	EA	CATCH BASIN REMOVED
611	5	FT	CORRUGATED METAL PIPE
602	0.46	CY	CONCRETE MASONRY
611	1	EA	CATCH BASIN No. 3
611	1	EA	CATCH BASIN 2-5



HORIZONTAL SCALE IN FEET
0 10 20 40

CULVERT DETAILS
EX. 60" - ELK CREEK

DESIGN AGENCY

DESIGNER: MLB
REVIEWER: XXX MM-DD-YY
PROJECT ID: 114613
SHEET: P.60 TOTAL: 80

BUT-122-2.70

MODEL: Sheet PAPERSIZE: 34x22 (In.) DATE: 11/25/2024 TIME: 10:02:51 AM USER: gtout
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01Active Projects\District 08\Butler\114613\400-Engineering\Drainage\Sheets\114613_DP002.dgn