DESIGN EXCEPTIONS

DESIGN FEATURE

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APPROVAL DATE

SHEET NUMBERS

GRE-380-0216 LANE WIDTH PAVEMENT CROSS SLOPE SHOULDER WIDTH

9/29/2020

STATE OF OHIO

DEPARTMENT OF TRANSPORTATION

GRE CULVERTS

FY2021
SPRING VALLEY, XENIA, AND BEAVERCREEK TOWNSHIPS **GREENE COUNTY**

INDEX OF SHEETS:

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PROJECT DESCRIPTION

INVERT PAVING OF CULVERTS GRE-380-2.16, GRE-35-10.1, GRE-675-5.79, AND GRE-675-5.95. SPALL PATCHING OF GRE-35-10.3. END SECTION REPAIR OF GRE-675-5.95R.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: * ACRES ESTIMATED CONTRACTOR EARTH DISTURBED AREA: * ACRES NOTICE OF INTENT EARTH DISTURBED AREA: * ACRES * SEE INDIVIDUAL CULVERT DETAIL SHEETS

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.

2019 SPECIFICATIONS

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

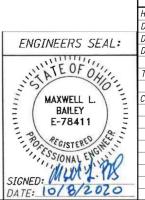
I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES

UNDERGROUND UTILITIES Contact Two Working Days Before You Dig



OHIO811, 8-1-1, or 1-800-362-2764 (Non-members must be called directly)

> PLAN PREPARED BY: OHIO DEPARTMENT OF TRANSPORTATION DISTRICT 8 - ENGINEERING



			STANDARD CONSTRUC	CTION DRAWINGS	SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
	HW-2.1	7/20/18 MT-95.30	7/19/19		800-2019 10/16/20	WATERWAY
	DM-1.1	7/21/17 MT-97.10	7/18/14		821 4/20/12	PERMIT
RS SEAL:	DM-4.3	1/15/16 MT-98.10	1/17/20		832 10/19/18	CONDITIONS
	DM-4.4	1/15/16 MT-98.20	4/19/19		833 10/20/17	09/20/2019
05'11		MT-98.28	1/17/20		921 4/20/12	
OF OHIO	TC-61.30	7/19/19 MT-105.10	1/17/20		878 1/17/20	
ILEY B411	CB-3.4	1/15/16				
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8/2020						
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SUPPLEMENTAL

SPECIAL

DATE_ DIRECTOR, DEPARTMENT OF TRANSPORTATION

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UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS. THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

GRE-380-0216

7201 FAR HILLS AVE. DAYTON OHIO 45459 937-296-3588 (HOWARD LAUDERMILK) HI 1596@ATT.COM

ATT METRO/INS THAYER POWER AND COMMUNICATION LINE CONSTRUCTION CO., LLC 950 FREEWAY DRIVE N. COLUMBUS, OH 43229 (614) 431-9292 (CHRISTOPHER MCCLOSKEY) CHRISMCCLOSKEY@THAYERPC.COM

AT&T TRANSMISSION LONG DISTANCE 7555 E. PLEASANT VALLEY RD. SUITE 140 INDEPENDENCE, OH 44131 216-750-0135 (MICHAEL DIEDERICH) MD4145@ATT.COM

DAYTON POWER AND LIGHT 1900 DRYDEN RD DAYTON, OH 45439 937-554-9063 (WILLIAM WARD) WILLIAM.WARD@AES.COM

GREENE COUNTY WATER AND SEWER 667 DAYTON-XENIA ROAD XENIA. OH 45385 937-562-7462 (TIM GROW) TGROW@CO.GREENE.OH.US

FRONTIER COMMUNICATIONS 241 SOUTH NELSON AVENUE WILMINGTON, OH 45177 937-283-5735 (DAVID LONGWORTH) DAVID.M.LONGWORTH@FTR.COM

CONTRACTOR COORDINATION

THE CONTRACTOR SHALL COORDINATE WITH THE CONTRACTOR FOR PROJECT GRE-675-0.00 (PID 94254) WHICH WILL PERFORM PAVEMENT REPAIR AND RESURFACING ON I-675.

BENCHING OF FOUNDATION SLOPES

ALTHOUGH CROSS-SECTIONS INDICATE SPECIFIC DIMENSIONS FOR PROPOSED BENCHING OF THE EMBANKMENT FOUNDATIONS IN CERTAIN AREAS, NO WAIVER OF THE SPECIFICATIONS IS INTENDED. BENCH ALL OTHER SLOPED EMBANKMENT AREAS AS SET FORTH IN SECTION 203.05 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS), NO ADDITIONAL PAYMENT WILL BE MADE FOR BENCHING REQUIRED UNDER THE PROVISIONS OF SECTION 203.05

PRIOR TO EMBANKMENT CONSTRUCTION, REMOVE UNSUITABLE EMBANKMENT TO THE LIMITS ILLUSTRATED IN THE CROSS-SECTIONS. THE ESTIMATED DEPTH OF REMOVAL IS 2 T. BELOW THE EXISTING GROUND SURFACE. REMOVE THE EXISTING SOIL PER ITEM 203 - EXCAVATION. REPLACE THE EXCAVATED SOIL PER ITEM 203 - EMBANKMENT. PAYMENT FOR THESE ITEMS INCLUDE ALL MATERIALS AND EQUIPMENT NECESSARY TO PERFORM THE WORK. THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 203 - EXCAVATION, AS PER PLAN	110 CY
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ITEM 203 - EMBANKMENT, AS PER PLAN

AIRWAY/HIGHWAY CLEARANCE FOR AIRPORTS

THIS PROJECT HAS BEEN IDENTIFIED AS BEING WITHIN THE INFLUENCE AREA OF TWO (2) PRIVATE USE AIRPORTS AND ONE (1) PUBLIC USE AIRPORT. NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT, AT MAXIMUM OPERATING HEIGHT SHALL EXCEED THE HEIGHTS SHOWN IN THE TABLE BELOW:

CULVERT WORK LOCATION	AIRPORT TYPE	MAX. OPERATING HEIGHT
GRE-380-0216	PUBLIC USE	75 FT.
GRE-35-1030	PUBLIC USE	75 FT.
GRE-35-1030	PUBLIC USE	75 FT.
GRE-675-0579	NONE	N/A
GRE-675-0595	NONE	N/A
GRE-675-0595R	NONE	N/A

IF ANY TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT WILL EXCEED THESE HEIGHTS, COORDINATION WILL BE NECESSARY PRIOR TO ERECTING SUCH TEMPORARY STRUCTURES OR OPERATING SUCH EQUIPMENT ON THE

FOR PRIVATE USE AIRPORTS, COORDINATE WITH THE AIRPORT OWNER AND THE ODOT OFFICE OF AVIATION.

FOR PUBLIC USE AIRPORTS, COORDINATE WITH THE FEDERAL AVIATION ADMINISTRATION (FAA) AND THE ODOT OFFICE OF AVIATION. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT FORM 7460-1 TO THE FAA. NOTIFY THE ODOT OFFICE OF AVIATION WHEN SUBMITTING FAA FORM 7460-1.

NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT SHALL EXCEED THE PERMISSIBLE HEIGHTS SHOWN IN THE TABLE, UNTIL COORDINATION IS MET AND DOCUMENTATION HAS BEEN FURNISHED TO THE PROJECT ENGINEER.

DOCUMENTATION CONSISTS OF A COPY OF FAA PERMIT APPROVAL, IF APPLICABLE, AND THE ODOT OFFICE OF AVIATION PERMITS, IF COORDINATION IS NOT OBTAINED. THEN THE PROJECT ENGINEER WILL HAVE THE AUTHORITY TO PROVIDE RESTRICTIONS AS REQUIRED.

IF COORDINATION WITH PRIVATE AIRPORT OWNERS AND THE ODOT OFFICE OF AVIATION IS
REQUIRED DUE TO TEMPORARY STRUCTURES OR
CONSTRUCTION EQUIPMENT EXCEEDING THE
MAXIMUM OPERATING HEIGHTS SHOWN IN THE TABLE, CONTACT THE FOLLOWING OFFICES.

GREENE COUNTY LEWIS A JACKSON REGIONAL AIRPORT MANAGER: DAVE KUSHNER 140 N VALLEY ROAD XENIA. OH 45385 937-376-8107

SKYDIVE GREENE COUNTY INC. AIRPORT 177 S MONROE-SIDING ROAD XENIA, OH 45385 OWNER: JAMES R WEST 1790 FOUST ROAD XENIA, OH 45385 937-372-6116

ITEM 659-SEEDING AND MULCHING

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES AND WITHIN THE CONSTRUCTION LIMITS. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

IN ADDITION TO THE QUANTITIES SHOWN ON THE CROSS SECTIONS, AN ESTIMATED QUANTITY OF 2,073 SQ YDS OF SEEDING AND MULCHING HAS BEEN INCLUDED FOR THOSE LOCATIONS THAT DO NOT HAVE CROSS SECTIONS. THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS AT ALL PROJECT

ITEM 659 -		27 CY
1	SEEDING AND MULCHING COMMERCIAL FERTILIZER	2313 SY 0.3 TON
TTFM 659 -		0.48 ACRF
ITEM 659 -		12.7 MGAL

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

DEMOLITION DEBRIS

THE CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID AND/OR LIMIT DEMOLITION DEBRIS AND/OR EMBANKMENT SOIL FROM ENTERING THE STREAM. ANY DEBRIS MATERIAL THAT DOES FALL INTO THE STREAM SHALL BE REMOVED AS SOON AS

ITEM SPECIAL - PIPE CLEANOUT

THIS WORK SHALL CONSIST OF REMOVING SEDIMENT AND DEBRIS FROM THE EXISTING DRAINAGE CONDUITS SPECIFIED IN THE PLANS. ALL MATERIAL REMOVED SHALL BE DISPOSED OF AS PER 105.16 ADN 105.17. ALL SEWERS SHALL BE CLEANED OUT TO THE SATISFACTION OF THE ENGINEER.

CLEANOUT OF THE PIPE SHALL BE PAID FOR AT THE UNIT PRICE BID FOR ITEM SPECIAL - PIPE CLEANOUT. THIS PRICE SHALL INCLUDE THE COST FOR MATERIAL, EQUIPMENT, LABOR, AND ALL INCIDENTALS REQUIRED TO COMPLETE THE

THE ESTIMATED QUANTITIES HAVE BEEN INCLUDED ON SHEETS

ITEM 833 - CONDUIT RENEWAL USING SPRAY APPLIED STRUCTURAL LINER, CATCH BASIN, AS PER PLAN

THIS WORK SHALL CONSIST OF APPLYING SPRAY LINER TO INTERIOR OF CATCH BASIN, INCLUDING CONNECTIONS TO CMP PIPES. MUNICIPAL & CONTRACTORS SEALING PRODUCTS, HYDRATECH, ECOCAST, OR CENTRIPIPE ARE CONSIDERED ACCEPTABLE PRODUCTS FOR THIS WORK.

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 REMOVED UNDER THIS PROJECT FROM APRIL I 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. FOR
THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS A LIVE,
DYING, OR DEAD WOODY PLANT, WITH A TRUNK THREE INCHES
OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13

ITEM 202 - CLEARING AND GRUBBING

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. CLEARING SHOULD BE DONE TO THE CONSTRUCTION LIMITS. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

ITEM 607 - FENCE REMOVE AND REBUILT, AS PER PLAN

REMOVE AND REBUILD FENCE AS NECESSARY AT UPSTREAM END OF CULVERT WHERE INDICATED ON SHEET 6. THIS WORK INCLUDES REMOVAL OF EXISTING FENCE AND POSTS AND REBUILDING ACCORING TO C&MS 607

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

607, FENCE REMOVE AND REBUILT, AS PER PLAN: 100 FT

CATCH BASIN, MISC.: TUCK POINT EX. CATCH BASIN MORTAR JOINTS

THIS WORK CONSISTS OF REMOVING LOOSE AND DISINTEGRATED MORTAR, PREPARING THE JOINT, AND PLACING NEW MORTAR, MORTAR SHALL ALSO BE PLACED IN EXISTING GAPS WHERE EXISTING MORTAR HAS ALREADY DETERIORATED. THE EXISTING JOINTS SHALL BE CLEANED AND PREPARED IN ACCORDANCE WITH THE MANUFACUTER SPECIFICATIONS.

COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN

COFFERDAMS AND EXCAVATION BRACING INSTALLED FOR THE PROJECT ARE FOR DEWATERING THE WORK AREA. COFFERDAMS AND EXCAVATION BRACING DESIGN, CONSTRUCTION, AND REIMBURSEMENT FOR DAMAGE IS BASED ON CMS 503. THE CONTRACTOR MUST COMPLY WITH THE IN-STREAM
RESTRICTION IN THE SPECIAL PROVISIONS WATERWAY
PERMIT. ADDING FILL TO OR EXCAVATING FROM THE STREAM
TO DEWATER THE WORK AREA REQUIRES A TEMPORARY ACCESS FILL (TAF) SUBMISSION PER THE SPECIAL PROVISIONS. FILLING THE EXCAVATED AREA AFTERWARDS IS CONSIDERED A PERMANENT FILL AND MAY VIOLATE THE WATERWAY PERMIT'S THRESHOLDS OF IMPACTS.

IF THE CONTRACTOR WILL USE PUMPS TO DEWATER THE SITE, THEN THE CONTRACTOR WILL NEED TO SIZE THE PUMP(S) TO HANDLE TWICE THE HIGHEST MONTHLY FLOW WITHOUT PRODUCING A RISE IN THE BACKWATER ABOVE THE OHWM. ACCORDING TO STREAMSTATS, TWICE THE HIGHEST MONTHLY FLOW THAT NEEDS TO BYPASS THE DEWATERED WORK SITE IS SHOWN ON THE TABLE BELOW.

LOCATION	2X MONTHLY FLOW
GRE-380-0216	2.06 CFS
GRE-35-1010	0.29 CFS
GRE-35-1030	4.22 CFS
GRE-675-0579	0.55 CFS
GRE-675-0595	0.55 CFS
GRE-675-0595R	2.12 CFS

IF THE CONTRACTOR CHOOSES TO IMPACT THE STREAM DURING THE MONTHS OF APRIL THROUGH OCTOBER: ALL REQUIREMENTS OF CMS 503 APPLY, UNLESS STIPULATED ELSEWHERE IN THIS NOTE. THE REHABILITATION WORK REQUIRED IN THE PLANS MUST BE COMPLETED IN SECTIONS. THE LONGEST SECTION THAT CAN BE COMPLETED AT ONE TIME IS 300'. IF THE CONTRACTOR CHOOSES TO COMPLETE SECTIONS GREATER THAN 300' AT A TIME, THEN THE DEPARTMENT WILL ONLY REIMBURSE THE CONTRACTOR FOR RESULTING DAMAGE TO 300' OF WORK PROTECTED BY THE COFFERDAM, PROVIDED THE CONTRACTOR HAS EXERCISED DUE DILIGENCE AS DETERMINED BY THE ENGINEER.

IF THE CONTRACTOR CHOOSES TO IMPACT THE STREAM AT ANY TIME IN THE MONTHS OF NOVEMBER THROUGH MARCH: EVEN IF THE ACTUAL WATER ELEVATION EXCEEDS 3 FEET ABOVE THE STATED ORDINARY HIGH WATER MARK, THE DEPARTMENT WILL NOT REIMBURSE THE CONTRACTOR FOR RESULTING DAMAGE TO THE WORK PROTECTED BY THE COFFERDAM, ALL OTHER REQUIREMENTS OF CMS 503 APPLY.

ALL WORK ASSOCIATED WITH COFFERDAMS AND EXCAVATION BRACING, INCLUDING ALL REQUIREMENTS OF THE TAF SUBMISSION, SHALL BE PAID FOR WITH THE COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN PAY ITEM.

ACCESS BEHIND GUARDRAIL

REMOVE AND RE-ERECT GUARDRAIL AS NECESSARY FOR ACCESS TO A WORK LOCATION. REMOVE GUARDRAIL ONLY WHEN IT CAN BE REPLACED ON THE SAME DAY. OBTAIN APPROVAL FROM THE ENGINEER FOR EACH LOCATION, PRIOR TO PERFORMING THE WORK. THIS WORK INCLUDES REMOVAL OF EXISTING GUARDRAIL AND POSTS AND RE-ERECTION OF THE SAME MATERIALS. EXISTING RAIL ELEMENTS AND BARRIER REFLECTORS MAY BE REUSED.

PAYMENT FOR ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE THIS WORK SHALL BE INCLUDED IN LUMP SUM CONTRACT PRICE FOR ITEM 614-MAINTAINING

ITEM 518 - STRUCTURE DRAINAGE MISC .: RESEAL JOINTS WITH HYDROPHOBIC GROUT

THIS WORK CONSISTS OF SEALING THE ENTIRE PERIMETER OF EXISTING JOINTS IN THE PRECAST ELLIPTICAL PIPE CULVERT THROUGH THE INSTALLATION OF AN ALL-WEATHER CONCRETE COMPATIBLE HYDROPHOBIC GROUT. JOINTS TO BE REPAIRED SHALL BE AT THE DIRECTION OF THE ENGINEER AND SHOULD SHOW VISIBLE SIGNS OF MOISTURE/WATER INFILTRATION. THE EYISTING JOINT SHALL BE CLEANED AND PREPAPED IN EXISTING JOINT SHALL BE CLEANED AND PREPARED IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS AND HYDROPHOBIC GROUT SHALL BE INSTALLED AS DIRECTED BY

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TYPE: CMP
SIZE: 42", 300' LONG

 SKEW:
 41°41′27″

 ALIGNMENT:
 TANGENT

 CFN:
 1804617

DATE BUILT: 1989

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CONDITION: SATISFACTORY
LATITUDE: N 39° 39′ 42.74″
LONGITUDE: W 83° 57′ 0.08″

STREAM NAME: UNT 2
OHWM: 915.2

PROJECT EARTH DISTURBED AREA: 0.26 ACRES
ESTIMATED CONTRACTOR EARTH DISTRUBED AREA: 0 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA: N/A (NOI NOT REQ'D)

REHABILITATE CULVERT GRE-35-1010 BY PERFORMING THE FOLLOWING WORK:

- 1. CLEAN CULVERT INTERIOR OF SEDIMENT, BITUMINOUS COATING AND DEBRIS.
- 2. FIELD PAVE INVERT OF THE STRUCTURE.
- 3. CONTRACTOR SHALL REMOVE AND REPLACE GUARDRAIL AS NECESSARY TO PROVIDE ACCESS THE CULVERT. REPLACE WITH TYPE 5 GUARDRAIL PER SHEETS 14-18.

ITEM 202 - PIPE CLEANOUT

REMOVE ANY LOOSE EXISTING BITUMINOUS COATING AND REMAINING BITUMINOUS MATERIAL COATING. REMOVE THE MATERIAL USING METHODS ACCORDING TO 512.03.F, MECHANICAL MEANS OR OTHER METHODS APPROVED BY THE ENGINEER. ANY BITUMINOUS COATING OR MATERIAL THAT SURVIVES A 7,000 PSI WATER BLASTING MAY REMAIN IN PLACE. ENSURE THAT ALL WASTES GENERATED BY THE SURFACE PREPARATION OPERATION ARE MANAGED IN ACCORDANCE WITH 107.19.

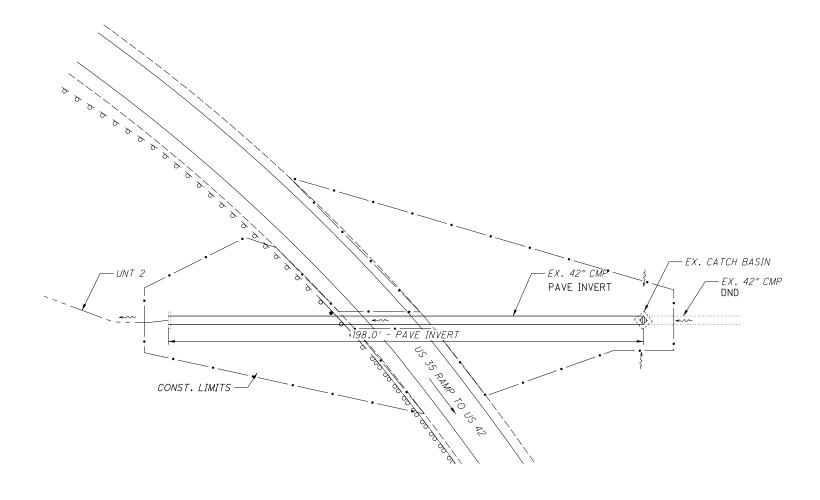
ITEM 611 - FIELD PAVING OF EXISTING PIPE

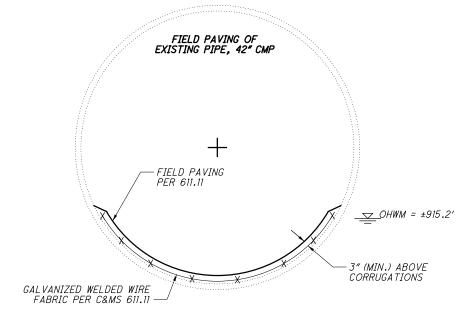
FIELD PAVE THE EXISTING PIPE PER THE REQUIREMENTS OF 611.11. PROVIDE A 2:1 SLOPE AT THE TOP OF THE PAVED INVERT TO PREVENT WATER FROM SITTING ON THE TOP EDGE AS SHOWN IN THE PLAN DETAIL.

DUE TO THE EXCESSIVE EFFORTS REQUIRED TO REMOVE THE BITUMINOUS COATING AT THIS LOCATION, THE PIPE CLEANOUT PRIOR TO FIELD PAVING OF THE EXISTING PIPE IS ITEMIZED SEPARATELY AND SHALL BE PAID FOR USING THE PAY ITEM PIPE CLEANOUT. SEE NOTE ON THIS SHEET FOR ADDITIONAL INFORMATION.

EXISTING STRUCTURE VERIFICATION

DETAILS AND DIMENSIONS SHOWN ON THESE PROPOSED PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, SUCH DETAILS AND DIMENSIONS ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK, BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO CMS SECTIONS 102.05, 105.02 AND 513.04. BASE THE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS THAT HAVE BEEN VERIFIED IN THE FIELD.





	ESTIMATED	QUAN	TITIES (TOTALS CARRIED TO GENERAL SUMMARY)
ITEM	QUANTITY	UNIT	DESCRIPTION
202	198	FT	PIPE CLEANOUT, 27" TO 48"
611	198	FT	FIELD PAVING OF EXISTING PIPE, 42" CMP





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CTURE PLAN AND DE GRE-35-1010

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EX. HEADWALL

EX. GUARDRAIL

ESTIMATED QUANTITIES (TOTALS CARRIED TO GENERAL SUMMARY)

PIPE CLEANOUT, OVER 48"

PATCHING CONCRETE STRUCTURE

SF

DESCRIPTION

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CULVER

EXISTING STRUCTURE TYPE: CONCRETE SIZE: 108", 300' LONG SKEW: 30°30′31.7″ ALIGNMENT: TANGENT CFN: 1819060 DATE BUILT:

CONDITION: FAIR LATITUDE: N 39° 39′ 41.95″ LONGITUDE: W 83° 56′ 44.11″ STREAM NAME: UNT 1 OHWM: 924.2

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0.31 ACRES PROJECT EARTH DISTURBED AREA: O ACRES ESTIMATED CONTRACTOR EARTH DISTRUBED AREA: NOTICE OF INTENT EARTH DISTURBED AREA: N/A (NOI NOT REQ'D)

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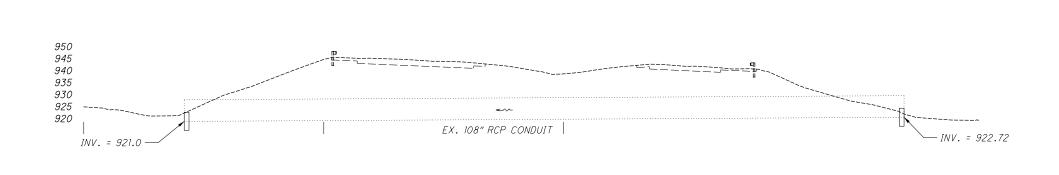
EX. HEADWALL

REHABILITATE CULVERT GRE-35-1030 BY PERFORMING THE FOLLOWING WORK:

- 1. CLEAN CULVERT INTERIOR OF SEDIMENT AND DEBRIS.
- 2. PATCH VARIOUS SPALLED AREAS WITH ITEM 519 PATCHING.
- CONTRACTOR SHALL REMOVED AND REPLACE GUARDRAIL AS NECESSARY TO PROVIDE ACCESS TO THE CULVERT. REPLACE WITH TYPE 5 GUARDRAIL PER SHEETS 14-18.

AREAS OF REPAIR

Section -			
From			
Outlet	Location	Size	Area
1	Side	2'x2'	4 sf
4	Side	3′x3′	9 sf
6	Top & Side	4'x3' & 2'x2'	16 sf
7	Side	1′×1′	1 sf
8	Side	4'x4'	16 sf
15	Тор	1′×1′	1 sf
17	Top & Side	1'x3' & 1'x1'	4 sf
19	Тор	8′x6′	48 sf
20	Тор	2'x7'	14 sf
21	Тор	3'x4'	12 sf
23	Тор	2′x8′	16 sf
25	Тор	8′x8′	64 sf
26	Тор	1'x4'	4 sf
28	Top & Side	2'x2' & 1'x2'	6 sf
29	Top & Side	2'x2' & 3'x6'	22 sf
31	Тор	1'x4'	4 sf
32	Тор	1′x3′	3 sf
33	Bottom	2′x3′	6 sf
35	Side	2′x3′	6 sf
37	Top & Side	1'x8' & 1'x1'	9 sf
		total =	265 sf



ITEM QUANTITY

265

202

519

CONST. LIMITS

EX. GUARDRAIL

EX. 108" CONCRETE CULVERT

PATCH VARIOUS AREAS W/519 PATCHING

EXISTING STRUCTURE VERIFICATION

DETAILS AND DIMENSIONS SHOWN ON THESE PROPOSED PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, SUCH DETAILS AND DIMENSIONS ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK, BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO CMS SECTIONS 102.05, 105.02 AND 513.04. BASE THE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE. HOWEVER. THE DEPARTMENT WILL PAY FOR ALL PROJECT EXISTING STRUCTURE. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS THAT HAVE BEEN VERIFIED IN

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