

UTILITIES

THERE ARE NO KNOWN UNDERGROUND, OR OVERHEAD UTILITIES, WITHIN THE PROJECT CONSTRUCTION LIMITS.

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.

CLEARING AND GRUBBING

THE DEPARTMENT HAS NOT MARKED INDIVIDUAL TREES AND STUMPS FOR REMOVAL. UNLESS SPECIFICALLY DESIGNATED AS "DO NOT DISTURB" IN THE PLANS, REMOVE ALL TREES AND STUMPS WITHIN THE CONSTRUCTION LIMITS UNDER THE LUMP SUM BID FOR ITEM 201 CLEARING AND GRUBBING.

EXISTING PLANS

THE FOLLOWING EXISTING PLANS ARE AVAILABLE FOR REFERENCE AT THE DISTRICT 11 OFFICE OF THE OHIO DEPARTMENT OF TRANSPORTATION, 2201 REISER AVE. S.E., NEW PHILADELPHIA, OHIO, 44663:

GUE-77-22.59/TUS-77-0.00 (1965), ORIGINAL CONSTRUCTION

IN ADDITION, THE EXISTING PLANS CAN BE FOUND ON THE DEPARTMENT'S WEBSITE AT THE FOLLOWING ADDRESS: <https://ftp.dot.state.oh.us/pub/Contracts/Attach>

ITEM 503 - UNCLASSIFIED EXCAVATION

THE FOLLOWING LUMP SUM QUANTITY HAS BEEN INCLUDED IN THE PLANS FOR ANY EXCAVATION OR EMBANKMENT THAT MIGHT BE NEEDED TO CONSTRUCT THE PROPOSED RIP RAP AT THE OUTLET.

ALL LABOR, EQUIPTMENT AND MATERIALS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE LUMP SUM PRICE FOR ITEM 503, UNCLASSIFIED EXCAVATION.

ITEM 503 - UNCLASSIFIED EXCAVATION LS

ITEM 611 - FIELD PAVING OF EXISTING PIPE, AS PER PLAN

FIELD PAVE THE EXISTING 144" CORRUGATED METAL PIPE AS PER 611.11. BOTH GALVANIZED WELDED WIRE FABRIC, 2 x 2-W0.9 x W0.9, AND EPOXY COATED REINFORCING STEEL SHALL BE UTILIZED AS PER 611.11 AND 509.02. CLASS QC5 CONCRETE SHALL BE USED FOR ALL CONCRETE WORK ASSOCIATED WITH THIS ITEM.

VOIDS EXIST UNDER THE CULVERT THAT IS TO BE FIELD PAVED DUE TO SECTION LOSS OF THE INVERT. IT IS THE INTENT OF THIS ITEM OF WORK TO INCLUDE FILLING THOSE VOIDS WITH THE SAME MATERIAL THAT IS BEING USED TO FIELD PAVE THE PIPE.

PAYMENT FOR THE WIRE MESH REINFORCING, EPOXY-COATED STEEL REINFORCEMENT, CONCRETE, ALL WELDING AND OTHER LABOR, AND THE EQUIPMENT AND MATERIALS REQUIRED TO COMPLETE THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 611, FIELD PAVING OF EXISTING PIPE, AS PER PLAN.

ITEM 611 - CONDUIT, MISC.: WEEP HOLES

THIS WORK CONSISTS OF CONSTRUCTING OF WEEP HOLES ALONG THE STRUCTURE WITHIN THE FIELD PAVING TO ACCOMMODATE SUBSURFACE WATER INFILTRATION.

CONSTRUCT THE WEEP HOLES AS FOLLOWS AND IN THE FOLLOWING SEQUENCE:

1. FIELD VERIFY THE LOCATIONS WHERE WEEP HOLES SHALL BE CONSTRUCTED. THE ENGINEER SHALL APPROVE LOCATIONS.
2. AT THE SPECIFIED LOCATIONS THE CONTRACTOR SHALL DRILL THROUGH THE STRUCTURAL PLATE CMP.
3. PLACE A 2" DIAMETER SCHEDULE 40 PVC PIPE THROUGH EACH DRILLED LOCATION.
4. ONCE THE SCHEDULE 40 PVC PIPE WAS BEEN SET IN PLACE, USE A SILICONE SEALANT TO SEAL THE SCHEDULE 40 PVC PIPE.
5. PLACE FIELD PAVING.
6. AFTER THE FILED PAVING HAS CURED, THE SCHEDULE 40 PVC PIPE SHALL BE CUT SO THAT IT IS FLUSH WITH FINISHED CONCRETE.
7. CLEAN PVC PIPE AND ASSURE IT IS FREE OF DEBRIS.

SEE SHEET P.08 FOR ADDITIONAL DETAILS.

PAYMENT FOR WEEP HOLES AND OTHER LABOR, AND EQUIPTMENT AND MATERIALS REQUIRED TO COMPLETE THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 611 - CONDUIT, MISC.: WEEP HOLES.

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

ITEM 611 - CONDUIT, MISC.: WEEP HOLES 10 EACH

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.

ITEM SPECIAL - PIPE CLEANOUT, OVER 48"

THIS WORK CONSISTS OF REMOVING SEDIMENT AND DEBRIS FROM THE EXISTING DRAINAGE CONDUITS SPECIFIED IN THE PLANS. DISPOSE OF ALL MATERIAL PER 105.16 AND 105.17. CLEAN OUT TO THE APPROVAL OF THE ENGINEER.

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

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

ITEM SPECIAL, PIPE CLEANOUT, OVER 48" 398 FT.

ITEM 503 - COFFERDAMS AND EXCAVATION BRACING

THIS ITEM IS FOR THE CONTRACTOR TO USE AS NEEDED. A LUMP SUM QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY.

FENCE LENGTHS

THE LENGTHS OF FENCE SHOWN IN THE PLANS ARE HORIZONTAL DIMENSIONS. MEASUREMENTS OF THE FINAL QUANTITIES WILL BE IN ACCORDANCE WITH ITEM 607.

SURVEY PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE BELOW, THIS SHEET FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL

POSITIONING METHOD: ODOT VRS / RTK
MONUMENT TYPE: TYPE B

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD 88
GEOID: GEOID 18

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD 83 (2011)
ELLIPSOID: GRS 1980
MAP PROJECTION: TRANVERSE MERCATOR
COORDINATE SYSTEM: OHIO COUNTY COORDINATE SYSTEM
TUSCARAWAS LDP
COMBINED SCALE FACTOR: 1.000041
ORIGIN OF COORDINATE SYSTEM: N 39° 03' 00" , E 278° 36' 00"

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

UNITS ARE IN U.S. SURVEY FEET.

TUS-77-1.21 PID 112650								
POINT ID	NORTHING	EASTING	ELEVATION	CODE	DESCRIPTION	STATION	OFFSET	ALIGNMENT
CP01	432347.983	121308.071	919.16	CNPT	IPINS W/ ODOT CAP LEVELED	62+74.236 R1	-70.60 LT	CL_EXRW_77
CP02	432521.304	121499.460	915.42	CNPT	IPINS W/ ODOT CAP LEVELED	64+90.886 R1	69.88 RT	CL_EXRW_77
CP10	432381.446	121137.111	867.67	CNPT	IPINS	62+62.684 R1	-244.42 RT	CL_EXRW_77
CP11	432514.102	121653.100	869.56	CNPT	IPINS	65+23.371 R1	220.22 RT	CL_EXRW_77
MN03	432161.460	121331.567	922.02	CMON	LEVELED	60+99.998 R1	0.00 RT	CL_EXRW_77
MN04	432644.908	121460.090	911.93	CMON	LEVELED	66+00.238 R1	0.09 RT	CL_EXRW_77
CL1	431204.609	121077.378	N/A	POT		51+09.96 R1	CL	CL_EXRW_77
CL2	433648.129	121726.502	N/A	PC		76+38.23 R1	CL	CL_EXRW_77
CL3	435699.886	121889.059	N/A	PT		97+07.65 R1	CL	CL_EXRW_77

