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ROUNDING

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS EVEN THOUGH OTHERWISE SHOWN.

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

MONTGOMERY SOIL AND WATER CONSERVATION DISTRICT
ATTN: STEFAN BRIDENBAUGH
10025 AMITY ROAD
BROOKVILLE, OH 45309
PHONE: 937-854-7645

FRONTIER COMMUNICATIONS
ATTN: CHARLES BERNACCHI
10 MULBERRY ST
BROOKVILLE, OH 45309
PHONE: 541-390-3910

JEFFERSON REGIONAL WATER AUTHORITY
ATTN: BOB WHITE
1230 SOLDIERS HOME MIAMISBURG ROAD
MIAMISBURG, OH 45342
PHONE: 937-866-0002

VECTREN ENERGY DELIVERY
ATTN: GREGORY FISHMAN
6500 CLYO ROAD
CENTERVILLE, OH 45459
PHONE: 937-312-2521

DAYTON POWER & LIGHT DISTRIBUTION
ATTN: BILL WARD
1900 DRYDEN ROAD
DAYTON, OH 45439
PHONE: 937-554-9063

INDEPENDENT FIBER NETWORK/COMNET
ATTN: SARAH EMANS
13888 S. DIXIE DR.
WAPAKONETA, OH 45895
PHONE: 419-739-3100

CHARTER
ATTN: JACOB HOUESHELL
3691 TURNER ROAD
DAYTON, OH 45415
PHONE: 937-396-8372

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.

CONSTRUCTION NOISE

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE POWER-OPERATED CONSTRUCTION-TYPE DEVICES BETWEEN THE HOURS OF 7PM AND 7AM. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

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

REMOVE ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS UNDER THE LUMP SUM BID FOR ITEM 201, CLEARING AND GRUBBING. THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF THE NUMBER OF TREES AND STUMPS TO BE REMOVED.

SIZES	NO. TREES	NO. STUMPS	TOTAL
48"	1		1

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL

POSITIONING ON ODOT PROJECTS. SEE SHEET 2 OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

SURVEYING PARAMETERS (CONTINUED)

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

PROJECT CONTROL

POSITIONING METHOD: ODOT VRS
MONUMENT TYPE: TYPE A

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD 88
GEOID: GEOID 12A

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD 83 (2011)
ELLIPSOID: GRS 1980
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO STATE PLANE, SOUTH ZONE
COMBINED SCALE FACTOR: 1.000081023

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

UNITS ARE IN U.S. SURVEY FEET.

FIELD STAKING OF TEMPORARY EASEMENTS

THE CONTRACTOR SHALL FIELD STAKE THE TEMPORARY EASEMENTS AT THE 8.01 CULVERT LOCATION PRIOR TO CONSTRUCTION ACTIVITIES SO THAT FRONTIER COMMUNICATIONS FORCES CAN ERECT TEMPORARY UTILITY POLES.

THE ABOVE WORK IS TO BE PAID FOR UNDER THE LUMP SUM BID FOR ITEM 623, CONSTRUCTION LAYOUT STAKES AND SURVEYING.

EROSION CONTROL

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:
ITEM 832, EROSION CONTROL 7,876 EACH

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

659, TOPSOIL	93 CU. YD.
659, SEEDING AND MULCHING, CLASS 1	836 SQ. YD.
659, REPAIR SEEDING AND MULCHING	42 SQ. YD.
659, INTER-SEEDING	42 SQ. YD.
659, COMMERCIAL FERTILIZER	0.19 TON
659, LIME	0.18 ACRES
659, WATER	0.005 M. GAL.

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

DRAINAGE

REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE STATE, REPRESENTATIVES OF THE STATE AND THE CONTRACTOR, ALONG WITH LOCAL REPRESENTATIVES, SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCE SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE STATE.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE STATE.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEMS.

UNRECORDED STORMWATER DRAINAGE

FURNISH A CONTINUANCE FOR ALL UNRECORDED STORM WATER DRAINAGE, SUCH AS ROOF DRAINS, FOOTER DRAINS, OR YARD DRAINS, DISTURBED BY THE WORK. FURNISH EITHER AN OPEN CONTINUANCE OR AN UNOBSTRUCTED CONTINUANCE BY CONNECTING A CONDUIT THROUGH THE CURB OR INTO A DRAINAGE STRUCTURE. THE LOCATION, TYPE, SIZE AND GRADE OF THE NEEDED CONDUIT TO REPLACE OR EXTEND AN EXISTING DRAIN WILL BE DETERMINED BY THE ENGINEER. ALL SUCH CONTINUANCE REQUIRES A RIGHT OF WAY USE PERMIT.

THE FOLLOWING CONDUIT TYPES MAY BE USED: 707.33, 707.41 NON-PERFORATED, 707.42, 707.43, 707.45, 707.46, 707.47, 707.51, 707.52 SDR35.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER FOR THE WORK NOTED ABOVE:

611, 6" CONDUIT, TYPE B, FOR DRAINAGE CONNECTION	50 FT.
611, 6" CONDUIT, TYPE C, FOR DRAINAGE CONNECTION	50 FT.
611, 6" CONDUIT, TYPE E, FOR DRAINAGE CONNECTION	50 FT.
611, 6" CONDUIT, TYPE F, FOR DRAINAGE CONNECTION	50 FT.

ITEM 611 - 8" CONDUIT, TYPE C, AS PER PLAN

REMOVE 13'± OF EX. STORM PIPE AND RISER BEGINNING AT STA 422+54.41 ±. INSTALL MASONRY COLLAR PER SCD DM-1.1. INSTALL 3' OF 8" DIA. PIPE, 45° BEND, AND 17' OF 8" DIA. PIPE TO 6" RISER ASSEMBLY.

PAYMENT FOR ALL WORK AND MATERIALS TO COMPLETE THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR ITEM 611 - 8" CONDUIT, TYPE C, AS PER PLAN.

ITEM 611 - CONDUIT, MISC.: 6" RISER ASSEMBLY

INSTALL T BEND IN 8" CONDUIT, 6" CONDUIT, ORIFICE PLATE, 6" PERFORATED RISER PIPE, AND STEEL GRATE AS SHOWN ON SHEET 22 AND APPROVED BY THE ENGINEER.

PAYMENT FOR ALL WORK AND MATERIALS TO COMPLETE THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR ITEM 611 - CONDUIT, MISC.: 6" RISER ASSEMBLY

POST-CONSTRUCTION CULVERT INSPECTION

AT LEAST ONE WEEK PRIOR TO OPENING THE CULVERT TO TRAFFIC, THE CONTRACTOR/ODOT MAINTENANCE FORCES, SHALL NOTIFY THE ODOT DISTRICT 7 BRIDGE INSPECTION ENGINEER AT lee.eilerman@dot.ohio.gov AND Geoff.wisse@dot.ohio.gov TO ALLOW FOR THE CULVERT MANAGEMENT MANUAL REQUIRED POST-CONSTRUCTION INITIAL INSPECTION OF THE CULVERT PUT IN SERVICE.

PROTECTION OF DRINKING WATER RESOURCES

PORTIONS OF THE PROJECT ARE LOCATED WITHIN THE BOUNDARIES OF A DESIGNATED SOLE SOURCE AND IN PROXIMITY TO PRIVATE DRINKING WATER WELLS. BEST CONSTRUCTION PRACTICES ARE TO BE IMPLEMENTED TO MINIMIZE WATER QUALITY IMPACTS. IDLE EQUIPMENT, PETROCHEMICALS, AND TOXIC/HAZARDOUS MATERIALS SHALL NOT BE STORED NEAR DRAINAGE WAYS, DITCHES OR STREAMS. REFUELING SHALL NOT BE UNDERTAKEN NEAR DRAINAGE WAYS, DITCHES OR STREAMS. A SPILL CONTAINMENT KIT IS TO BE MAINTAINED ON-SITE THROUGHOUT CONSTRUCTION ACTIVITIES. SPILLS OF FUELS, OILS, CHEMICALS, OR OTHER MATERIALS WHICH COULD POSE A THREAT TO GROUNDWATER SHALL BE CLEANED UP IMMEDIATELY. IF THE SPILL IS A REPORTABLE AMOUNT, THE LOCAL FIRE DEPARTMENT (911), LOCAL EMERGENCY COORDINATOR (937-901-5112) AND THE OEPA (1-800-282-9378) MUST BE CONTACTED WITHIN 30 MINUTES OF KNOWLEDGE OF THE RELEASE.

ITEM 607 - FENCE REMOVED AND REBUILT, AS PER PLAN

CAREFULLY DISASSEMBLE THE WOOD FENCE TO THE EXTENT NECESSARY FOR INTALLATION OF THE CATCH BASIN AT STA. 380+04 RT. DO NOT REMOVE FENCE BEYOND THE LIMITS SHOWN ON THE PLANS. STORE THE REMOVED FENCE COMPONENTS. AFTER THE CATCH BASIN AND STORM DRAIN INSTALLATION IS COMPLETE, CARFULLY RE-ERECT FENCE AND COMPONENT PARTS AS PREVIOUSLY ASSEMBLED. DO NOT DAMAGE THE FENCE OR COMPONENT PARTS. ANY NEW PARTS WHICH ARE NEEDED, AS DETERMINED BY THE ENGINEER, WILL BE SUPPLIED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE STATE.

THE AMOUNT OF REBUILT FENCE TO BE PAID FOR WILL BE THE NUMBER OF FEET REBUILT, COMPLETE IN PLACE, AND MEASURED AS PROVIDED FOR IN 607.09.

PAYMENT FOR THE ABOVE WILL BE PAID FOR AT THE CONTRACT PRICE PER FOOT FOR ITEM 607, FENCE REMOVED AND REBUILT, AS PER PLAN

ITEM 611 - 6" CONDUIT, TYPE C, AS PER PLAN

REFER TO BALLOON D17 AND ASSOCIATED TEXT ON SHEET 21.

PAYMENT FOR ALL WORK AND MATERIALS TO COMPLETE THE OPERATIONS DESCRIBED SHALL BE INCLUDED IN THE CONTRACT PRICE FOR ITEM 611 - 6" CONDUIT, TYPE C, AS PER PLAN

CALCULATED
NSP
CHECKED
SCC

GENERAL NOTES

MOT-35-(7.21)(8.01)