

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:

ENBRIDGE GAS OHIO 320 SPRINGSIDE DRIVE SUITE 320 AKRON, OH 44333 (330) 664-2781 ATTN: BILL SNYDER	AT&T 50 WEST BOWERY STREET 6TH FLOOR AKRON, OH 44308 (330) 384-3048 ATTN: TORRICE ROBINSON	VERIZON BUSINESS/MCI 12300 RIDGE ROAD NORTH ROYALTON, OH 44133 (440) 457-4049 ATTN: DANIEL ARZ
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CITY OF NILES ELECTRIC/LIGHTING 34 W. STATE STREET NILES, OH 44446 (330) 544-9000 EXT. 5460 ATTN: DAVE LISTE	OHIO EDISON 730 SOUTH AVENUE YOUNGSTOWN, OH 44502 (330) 740-7607 ATTN: ROBERT WITTMAN	OWS ACQUISITION CO. 1748 SALTWELL ROAD NW DOVER, OH 44622 (330) 602-5551 ATTN: TROY VALASEK
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BRIGHTSPEED 3801 ELM ROAD WARREN, OH 44483 EMAIL: Brightspeed @Relocations.com	CITY OF WARREN ENGINEERING DEPT. 540 LAIRD AVENUE S.E. WARREN, OH 44484 (330) 841-2562 ATTN: PAUL MAKOSKY	CITY OF WARREN WATER DEPT. 540 LAIRD AVENUE S.E. WARREN, OH 44484 (330) 841-2710 ATTN: FRANCO LUCARELLI
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BUCKEYE PARTNERS, L.P. 4911 EAST HIGH STREET P.O. BOX 542 MANTUA, OH 44255 (330) 221-0268 ATTN: NIC BORLING	TRUMBULL COUNTY ENGINEER 650 NORTH RIVER ROAD N.W. WARREN, OH 44483 (330) 675-2640 ATTN: DAVID DeCHRISTOFARO	CHARTER COMMUNICATIONS 3315 N. RIDGE ROAD E. SUITE 100 ASHTABULA, OH 44004 (440) 261-4607 ATTN: JASON SPRAGUE
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CITY OF NILES WATER/WASTEWATER DEPT. 34 W. STATE STREET NILES, OH 44446 (330) 544-9000 ATTN: KEVIN ROBERTSON	CITY OF NILES PROJECT MANAGER/PUBLIC UTILITIES INFRASTRUCTURE COORDINATOR 34 W. STATE STREET NILES, OH 44446 (330) 550-9000 EXT. 1171 ATTN: KEVIN ROBERTSON	OHIO DEPARTMENT OF TRANSPORTATION DISTRICT 4 2088 S. ARLINGTON ROAD AKRON, OH 44306 (330) 786-4832 ATTN: MATTHEW STEELE
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DIVERSIFIED GAS AND OIL CORPORATION
4150 BELDEN VILLAGE ST. NW
SUITE 410
CANTON, OH 44718
(330) 896-8510 EXT. 244
ATTN: CHAD DITCHER

THE UNDERGROUND UTILITIES ON THIS PLAN HAVE BEEN LOCATED BY USING A SUBSURFACE UTILITY ENGINEERING COMPANY (SUE). IF THERE ARE ANY DISCREPANCIES BETWEEN FIELD MARKINGS AND WHAT THE PLAN INDICATES, PLEASE CONTACT MATTHEW STEELE, DISTRICT UTILITY COORDINATOR 330-786-4832, PRIOR TO ANY SUBSURFACE WORK BEING INITIATED.

IN ADDITION TO THE ABOVE LISTED UTILITIES, THE EXISTING 2" GAS LINE FROM STA. 95+49.13, RT. TO STA. 96+91, RT. IS PROPERTY OF HOWMET AEROSPACE, 1000 WARREN AVENUE, NILES, OH 44446, (330) 544-7608, ATTN: RONALD CHENEY.

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 8:00 PM AND 7:00 AM. 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.

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.

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

PROJECT CONTROL
POSITIONING METHOD: GPS
MONUMENT TYPE: 5/8" X 30" REBAR WITH RED "GPD" CAP

VERTICAL POSITIONING
ORTHOMETRIC HEIGHT DATUM: NAVD88
GEOID: GEOID12B

HORIZONTAL POSITIONING
REFERENCE FRAME: NAD83 (2011)
ELLIPSOID: NAD83
MAP PROJECTION: LAMBERT
COORDINATE SYSTEM: OHIO STATE PLANE, NORTH ZONE
COMBINED SCALE FACTOR: 1.000096384 (GRID TO GROUND)
ORIGIN OF COORDINATE
SYSTEM: 0,0

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.

ITEM 204 - PROOF ROLLING

THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING:

ITEM 204 - PROOF ROLLING7 HOUR

ITEM 201 - CLEARING AND GRUBBING. AS PER PLAN

IN ADDITION TO THE INDIVIDUAL TREES AND STUMPS SPECIFICALLY MARKED IN THE PLANS FOR REMOVAL, REMOVE ALL TREES AND STUMPS WITHIN THE PROPOSED RIGHT-OF-WAY AND PROPOSED EASEMENT LIMITS, UNLESS SPECIFICALLY DESIGNATED AS "DO NOT DISTURB" OR "SAVE" IN THE PLANS. FURTHERMORE, THIS ITEM SHALL INCLUDE ALL REQUIREMENTS PER ODOT CMS 201. TREE REMOVAL WORK SHALL BEGIN BY DECEMBER 15, 2025. AT A MINIMUM, TREES TO BE REMOVED SHALL BE DROPPED AS SOON AS POSSIBLE.

THIS ITEM SHALL ALSO INCLUDE CLEARING ALL BRUSH AND VEGETATION ADJACENT TO OR GROWING WITHIN THE STRUCTURES. LIMITS INCLUDE 15' ON EACH SIDE OF THE CENTERLINE OF CONSTRUCTION AS WELL AS 15' BEYOND EACH ABUTMENT END. ADDITIONALLY, THIS WORK SHALL ALSO INCLUDE REMOVAL AND DISPOSAL OF ALL EXISTING WOODEN RAILROAD TIES WITHIN THE CONSTRUCTION LIMITS. ALL WORK SHALL CONFORM TO ODOT ITEM 201.

ADDITIONALLY, THE CONTRACTOR SHALL TRIM ALL EXISTING TREES REMAINING WITHIN THE CONSTRUCTION LIMITS THAT PROVIDE LESS THAN A 10 FEET VERTICAL CLEARANCE ABOVE THE TRAIL.

PAYMENT FOR THE ABOVE STATED SHALL INCLUDE INCLUDE ALL LABOR, MATERIAL, EQUIPMENT, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK AND SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 201 - CLEARING AND GRUBBING, AS PER PLAN.

POST CONSTRUCTION STORM WATER TREATMENT

THIS PLAN UTILIZES STRUCTURAL BEST MANAGEMENT PRACTICES (BMP'S) FOR POST CONSTRUCTION STORM WATER TREATMENT.

REVISIONS		
DATE	REV.	DESCRIPTION
9-12-25	ADDENDUM #1	CLEARING & GRUBBING

CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, NOTIFY THE ENGINEER BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, NOTIFY THE ENGINEER BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEM.

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.

SEEDING AND MULCHING

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

659, SOIL ANALYSIS TEST	2 EACH
659, TOPSOIL	4753 CU. YD.
659, SEEDING AND MULCHING	42824 SQ. YD.
659, REPAIR SEEDING AND MULCHING	2141 SQ. YD
659, INTER-SEEDING	2141 SQ. YD.
659, COMMERCIAL FERTILIZER	9.63 TON
659, LIME	8.85 ACRES
659, WATER	347 M. GAL.

APPLY SEEDING AND MULCHINGS 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.

ITEM 202 - CURB REMOVED. AS PER PLAN

IN ADDITION TO THE REQUIREMENTS STATED IN ODOT CMS 202, THIS ITEM SHALL INCLUDE ALL NECESSARY SAWCUTTING, EXCAVATION, AGGREGATE/CONCRETE BASE, PAVEMENT REMOVAL, CURB REMOVAL, ASPHALT OR CONCRETE PAVEMENT, BACKFILL, AND ALL INCIDENTALS NECESSARY TO PERFORM THIS WORK. PAVEMENT REPLACED SHALL BE PER ODOT CMS 2023 SPECIFICATIONS AND TO A COMPOSITION EQUAL TO OR BETTER THAN THE REMOVED PAVEMENT. EXACT LIMITS OF REMOVAL AND REPLACEMENT SHALL BE DETERMINED BY THE ENGINEER.

PAYMENT FOR THE ABOVE DESCRIBED WORK, INCLUDING LABOR, MATERIAL, EQUIPMENT AND INCIDENTALS NECESSARY TO PERFORM THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID PER FOOT FOR ITEM 202 - CURB REMOVED, AS PER PLAN.