

GENERAL

UNDERGROUND UTILITIES

THE FOLLOWING UTILITIES AND OWNERS ARE LOCATED WITHIN THE WORK LIMITS OF THE PROJECT. THE OHIO DEPARTMENT OF TRANSPORTATION HAS USED THE BEST AVAILABLE INFORMATION TO DETERMINE THE UTILITY COMPANIES SERVING THIS AREA, BUT CANNOT GUARANTEE THE UTILITY COMPANY LIST IS COMPLETE.

DOMINION EAST OHIO GAS  
1201 EAST 55TH STREET  
CLEVELAND, OHIO 44103  
216-736-6755

ADELPHIA CABLE  
14300 SOUTH INDUSTRIAL PARKWAY  
MAPLE HEIGHTS, OHIO 44137  
216-663-4003

LAKE COUNTY ENGINEER  
550 BLACKBROOK RD.  
PAINESVILLE, OHIO 44077  
440-350-2770

LAKE COUNTY DEPT. OF UTILITES  
105 MAIN STREET  
PAINESVILLE, OHIO 44077  
440-350-2649

PAINESVILLE TOWNSHIP OFFICE  
55 NYE ROAD  
PAINESVILLE TWP, OHIO 44077  
440-352-1443

AMERITECH  
13630 LORAIN AVE., 4TH FLOOR  
CLEVELAND, OHIO 44111  
216-476-6134

ILLUMINATING CO.  
6896 MILLER RD.  
BRECKSVILLE, OHIO 44141  
440-546-8748

CITY OF PAINESVILLE  
P.O. BOX 601  
PAINESVILLE, OHIO 44077  
440-352-9301

CONSUMER OHIO WATER COMPANY  
8644 STATION STREET  
MENTOR, OHIO 44060  
440-255-3421

AT&T  
229 WEST 7TH STREET, 10TH FLOOR  
CINCINNATI, OHIO 45202  
513-784-3238

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.

ELEVATION DATUM

ALL ELEVATIONS ARE BASED ON A LOCAL DATUM ESTABLISHED FOR THIS PROJECT.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. THE INSTALLATION AND OPERATION OF ALL TEMPORARY TRAFFIC CONTROL AND TEMPORARY TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS SHALL BE PROVIDED BY THE CONTRACTOR WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

RIGHT OF WAY

ALL WORK SHALL BE PERFORMED WITHIN THE EXISTING RIGHT OF WAY OR EASEMENTS.

CONVERSION OF METRIC STANDARD DRAWINGS

THE METRIC STANDARD DRAWINGS REFERENCED IN THIS PLAN SHALL BE CONVERTED TO ENGLISH UNITS USING THE SI (METRIC) TO ENGLISH CONVERSION FACTORS PROVIDED IN SECTION 109.011 OF THE 1997 CONSTRUCTION AND MATERIALS SPECIFICATIONS. THE APPENDIX OF ASTM E 380 SHALL BE UTILIZED FOR ANY ADDITIONAL CONVERSION FACTORS REQUIRED. CONVERSIONS SHALL BE APPROPRIATELY PRECISE AND SHALL REFLECT STANDARD INDUSTRY ENGLISH VALUES WHERE SUITABLE.

COOPERATION BETWEEN CONTRACTORS

THE CONTRACTOR SHALL COOPERATE AND COORDINATE HIS OPERATIONS WITH THE CONTRACTOR'S ON OTHER PROJECTS THAT MAY BE IN FORCE DURING THE LIFE OF THIS CONTRACT. NO WAIVER OF ANY PROVISIONS OF 105.07 OF THE CONSTRUCTION AND MATERIALS SPECIFICATIONS IS INTENDED.

EQUIPMENT AND MATERIAL STORAGE

IN ORDER TO PROVIDE FOR THE SAFETY OF THE TRAVELING PUBLIC THE CONTRACTOR'S ATTENTION IS DIRECTED TO 614.03. IN ADDITION THE FOLLOWING PROVISIONS SHALL APPLY:

1. ANY REMOVED ITEMS SHALL NOT BE STORED ON THE RIGHT OF WAY FOR MORE THAN THIRTY DAYS.
2. THE STORAGE OF EQUIPMENT, MATERIALS, AND VEHICLES WITHIN THE HIGHWAY RIGHT OF WAY WILL BE PERMITTED. THE NUMBER OF AREAS AND EXACT LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
3. ALL DISTURBED AREAS SHALL BE RETURNED TO THEIR ORIGINAL CONDITION AT NO EXPENSE TO THE STATE.

ROADWAY

CLEARING AND GRUBBING

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

STRUCTURE REMOVED

THE STRUCTURE TO BE REMOVED SHALL BE THE EXISTING HEADWALL LOCATED ON THE EAST SIDE OF MANTLE ROAD AT STA. 28+50, 88' RT.

ITEM 203 - DITCH CLEANOUT

THIS WORK SHALL CONSIST OF REESTABLISHING THE CROSS-SECTION OF AN EXISTING DITCH. SURPLUS OR UNSUITABLE MATERIAL, AS DETERMINED BY THE ENGINEER, SHALL BE DISPOSED OF AS PER 203.05. EMBANKMENT REQUIRED FOR ERODED CONDITIONS SHALL MEET THE REQUIREMENTS OF 203.07 EXCEPT THAT THE COMPACTION REQUIREMENTS ARE WAIVED.

MEASUREMENT OF THE DITCH CLEANOUT SHALL BE THE ACTUAL LINEAR FEET MEASURED ALONG THE CENTERLINE OF THE DITCH. THE FOLLOWING ESTIMATED QUANTITY IS INCLUDED TO BE USED AS DIRECTED BY THE ENGINEER.

203, DITCH CLEANOUT 500 LIN. FT.

PAYMENT FOR ALL THE ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 203, DITCH CLEANOUT.

PAVEMENT

ITEM 304 - AGGREGATE BASE, AS PER PLAN

THE ONLY SLAG MATERIALS PERMITTED FOR THIS ITEM SHALL BE CRUSHED AIR-COOLED BLAST FURNACE SLAG, A MIXTURE OF CRUSHED AND GRANULATED SLAGS, OR OPEN HEARTH SLAG FROM APPROVED SOURCES ON FILE AT THE LABORATORY.

ALL MATERIALS OR BLENDED MATERIALS SHALL MEET THE GRADATION REQUIREMENTS OF 304.02. ANY GRANULATED SLAG MATERIAL USED SHALL MEET THESE GRADATION REQUIREMENTS IN LIEU OF 703.08.

ITEM 305 - CONCRETE BASE, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF 305.01, LOAD TRANSFER DEVICES ARE REQUIRED AT ALL TRANSVERSE CONTRACTION, CONSTRUCTION, AND EXPANSION JOINTS.

WHERE PROPOSED 305 BASE PAVEMENT IS TIED LONGITUDINALLY TO EXISTING PAVEMENT, TRANSVERSE JOINT SPACING AS REQUIRED IN BP-2.2 SHALL BE WAIVED. TRANSVERSE JOINT SHALL BE LOCATED IN THE PROPOSED 305 BASE PAVEMENT AT ALL EXISTING TRANSVERSE JOINTS TO REMIAN AND ALL PROPOSED TYPE Y OR TYPE T JOINTS. JOINTS SHALL BE CONSTRUCTED TO FORM A CONTINUOUS LINE IN THE SAME ALIGNMENT AS THE TRANSVERSE JOINT IN THE ADJACENT EXISTING PAVEMENT.

WHERE PROPOSED 305 BASE PAVEMENT IS NOT TIED LONGITUDINALLY TO EXISTING PAVEMENT. JOINT SPACING IN THE PROPOSED 305 BASE SHALL BE IN ACCORDANCE WITH THE APPLICABLE STANDARD DRAWING.

ITEM 448 - ASPHALT CONCRETE SURFACE COURSE, TYPE I, PG76-22, AS PER PLAN

COURSE AGGREGATE FOR THESE ITEMS SHALL BE LIMITED TO AIR COOLED BLAST FURNACE SLAG OR LIMESTONE.

ITEM 407 - TACK COAT AND ITEM 407 - TACK COAT FOR INTERMEDIATE COURSE

THE RATE OF APPLICATION OF THE 407 TACK COAT SHALL BE SUBJECT TO ADJUSTMENT AS DIRECTED BY THE ENGINEER. FOR ESTIMATING PURPOSES ONLY, THE PLAN QUANTITIES INDICATE AN AVERAGE APPLICATION RATE OF:

407, TACK COAT 0.10 GAL./SQ. YD.  
407, TACK COAT FOR INTERMEDIATE COURSE 0.05 GAL./SQ. YD.

EROSION CONTROL

TEMPORARY SOIL EROSION AND SEDIMENT CONTROL

THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE PLACED BY THE CONTRACTOR WITH THE ENGINEER'S CONCURRENCE FOR TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES:

601, ROCK CHANNEL PROTECTION, TYPE C (WITHOUT FILTER) 50 CU. YD.  
870, WATER 1 MGAL  
870, REPAIR SEEDING AND MULCHING 42 SQ. YD.  
877, TEMPORARY SEEDING AND MULCHING 350 SQ. YD.  
877, TEMPORARY SLOPE DRAINS 240 LIN. FT.  
877, TEMPORARY PERIMETER FILTER FABRIC FENCE 200 LIN. FT.  
877, TEMPORARY INLET PROTECTION FILTER FABRIC FENCE 150 LIN. FT.  
877, TEMPORARY DITCH CHECK FILTER FABRIC FENCE 50 LIN. FT.  
877, TEMPORARY DITCH PROTECTION 10 SQ. YD.  
877, SEDIMENT REMOVAL 25 CU. YD.