

SPECIFICATIONS

ANY SPECIFICATIONS, CONSTRUCTION STANDARDS, TESTING OR OTHER ITEMS NOT COVERED BY THESE PLANS SHALL BE GOVERNED (IN ORDER) BY THE REQUIREMENTS OF THE CITY OF SYLVANIA, LUCAS COUNTY ENGINEER AND CURRENT STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, CONSTRUCTION AND MATERIAL SPECIFICATIONS AND ANY SUPPLEMENTAL STATE SPECIFICATIONS AS MAY BE IN EFFECT FOURTEEN (14) CALENDAR DAYS PRIOR TO THE AWARD OF THIS CONTRACT. IN THE AFORESAID STATE SPECIFICATIONS, THE WORDS "STATE", "DIRECTOR", AND "ENGINEER" SHALL BE HELD TO MEAN THE CITY OF SYLVANIA, OR ITS DULY APPOINTED REPRESENTATIVE.

INSPECTION & APPROVAL

ALL WORK PERFORMED WITHIN THE SCOPE OF THIS PROJECT WILL BE SUBJECT TO THE INSPECTION AND APPROVAL OF THE CITY OF SYLVANIA, OHIO. INSPECTION SHALL BE FURNISHED BY THE CITY OF SYLVANIA OR AN ENGINEER OR TESTING LABORATORY DESIGNATED BY THE CITY.

NOTIFICATION

ALL UTILITY COMPANIES, BOTH PUBLIC AND PRIVATE, AND THE SERVICE DIRECTOR OF THE CITY OF SYLVANIA, SHALL BE NOTIFIED IN WRITING, AT LEAST SEVEN (7) DAYS PRIOR TO THE BEGINNING OF ANY CONSTRUCTION OPERATIONS TO ARRANGE FOR INSPECTION OF THE PROJECT.

THE CONTRACTOR SHALL NOTIFY, IN WRITING, ALL AFFECTED RESIDENTS/PROPERTY OWNERS OF HIS INTENTION TO START CONSTRUCTION. SAID NOTIFICATION SHALL BE MADE SEVENTY-TWO (72) HOURS PRIOR TO MOBILIZATION. THE CITY SHALL BE PROVIDED A COPY OF THE LETTER.

CONSTRUCTION SURVEY

ALL CONSTRUCTION STAKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

LAND SURVEY MONUMENTS, SECTION CORNERS, BENCH MARKS, PROPERTY CORNERS, ENGINEERING SURVEY MARKERS AND ANY OTHER CONTROL POINTS SHALL BE PROTECTED AND PRESERVED IN ACCORDANCE WITH ODOT CONSTRUCTION AND MATERIALS SPECIFICATION SECTION 107.10 AND THE FOLLOWING:

- BEFORE ANY CONTROL POINTS ARE DISTURBED OR REMOVED DUE TO CONSTRUCTION OF THIS PROJECT, SUFFICIENT REFERENCE MEASUREMENTS SHALL BE MADE TO INSURE PROPER LOCATION OF THE POINT WHEN IT IS REESTABLISHED.
- CENTERLINE SURVEY CONTROL POINTS SHALL BE REESTABLISHED IF REQUIRED.
- THE CONTRACTOR SHALL PROVIDE A REGISTERED LAND SURVEYOR TO PERFORM THE ABOVE DESCRIBED WORK. THE SURVEYOR SHALL MAKE A WRITTEN RECORD CLEARLY IDENTIFYING CONTROL, REFERENCE OR BENCH MARK POINTS AND MEASUREMENTS TO THESE POINTS AND SHALL PROVIDE A COPY OF THIS RECORD TO THE CITY.
- IF VERIFICATION OF CONTROL POINTS OR REFERENCE MEASUREMENTS ARE NOT ACCOMPLISHED TO THE SATISFACTION OF THE CITY, THE CITY WILL PROMPTLY NOTIFY THE CONTRACTOR OF THE NATURE OF THE PROBLEM. IF THE PROBLEM IS NOT ATTENDED TO PROMPTLY, THE CITY WILL TAKE THE NECESSARY ACTION TO CORRECT THE PROBLEM WITH THE COST OF SUCH SERVICE DEDUCTED FROM ANY MONIES DUE TO THE CONTRACTOR.

PAYMENT FOR PRESERVING CONTROL POINTS IN ACCORDANCE WITH THE ABOVE STATED STIPULATIONS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

EXISTING UTILITIES

THE LOCATION OF ALL EXISTING UTILITIES AS SHOWN ON THESE PLANS HAVE BEEN OBTAINED BY PHYSICAL MARKINGS AND/OR A SEARCH OF AVAILABLE RECORDS. THE EXACT LOCATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGE TO EXISTING UTILITIES CAUSED BY HIS OPERATIONS.

THE CONTRACTOR SHALL NOTIFY THE REGISTERED UTILITY PROTECTION SERVICE AND OWNERS OF UNDERGROUND UTILITY FACILITIES IN ACCORDANCE WITH SECTION 105.07 OF THE MOST RECENT EDITION OF THE ODOT CMS.

THE REGISTERED UTILITY PROTECTION SERVICE AND OWNERS OF THE UNDERGROUND UTILITY FACILITIES ARE AS FOLLOWS (ALL ENTITIES MAY NOT APPLY TO THIS PROJECT):

OHIO UTILITIES PROTECTION SERVICE (OUPS) 4740 BELMONT AVENUE YOUNGSTOWN, OHIO 44505-1014 1-800-362-2764	TOLEDO EDISON COMPANY 6099 ANGOLA ROAD HOLLAND, OHIO 43528 419-249-5218
LUCAS COUNTY ENGINEER ONE GOVERNMENT CENTER, SUITE 870 TOLEDO, OHIO 43604-2259 419-213-4541, EXT. 4539	BUCKEYE CABLESYSTEM 4818 ANGOLA ROAD TOLEDO, OHIO 43615 419-724-9820
LUCAS COUNTY SANITARY ENGINEER 1111 SOUTH MCCORD ROAD HOLLAND, OHIO, 43528 419-213-2926	COLUMBIA GAS OF OHIO, INC. 2901 E. MANHATTAN BOULEVARD TOLEDO, OHIO 43611 419-539-6066
CITY OF SYLVANIA 6730 MONROE STREET SYLVANIA, OHIO 43560 419-885-8965	FRONTIER 1300 COLUMBUS-SANDUSKY ROAD N MARION, OH 43302 740-383-0686

CERTIFICATE OF INSURANCE

NO CONTRACTOR OR SUBCONTRACTOR SHALL START ANY WORK PRIOR TO FURNISHING THE CITY OF SYLVANIA WITH AN APPROVED CERTIFICATE OF INSURANCE IN THE AMOUNT SET BY THE CITY AND NAMING THE CITY AS AN ADDITIONAL INSURED. THIS INSURANCE REQUIREMENT SHALL BE SUBJECT TO THE REVIEW AND APPROVAL OF THE CITY LAW DIRECTOR.

MAINTENANCE BOND

THE CONTRACTOR SHALL PROVIDE A ONE YEAR MAINTENANCE BOND IN THE AMOUNT OF 25% OF THE CONSTRUCTION COST UPON COMPLETION OF THE PROJECT. THE COST OF THIS MAINTENANCE BOND SHALL BE INCLUDED WITH THE UNIT COST OF THE PERTINENT BID ITEMS.

PROTECTION AND RESTORATION OF PROPERTY

THE CONTRACTOR SHALL COMPLY WITH ODOT CONSTRUCTION AND MATERIALS SPECIFICATION SECTION 107.10 WITH RESPECT TO THE PRESERVATION OF ADJACENT PROPERTY AND THE DISPOSITION OF MAILBOXES DURING THE CONSTRUCTION PERIOD. AT THE COMPLETION OF THE REQUIRED WORK, ALL DEBRIS AND MATERIALS SHALL BE REMOVED FROM THE JOB SITE BY THE CONTRACTOR.

REMOVAL OF OBSTRUCTIONS IN THE RIGHT-OF-WAY

THE CONTRACTOR SHALL NOT REMOVE ANY MAILBOXES, PAPER BOXES, PRIVATE LIGHT POSTS, SPRINKLING SYSTEMS, SIGNS, UTILITY MARKERS, TREES, SHRUBBERY, FENCE, GUARDRAIL OR OTHER OBSTRUCTIONS WITHOUT THE PRIOR APPROVAL OF THE ENGINEER. WHEN APPROVAL IS GRANTED, THE CONTRACTOR SHALL NOTIFY THE OWNER OF SAID OBSTRUCTION AND ALLOW THE OWNER TWO (2) WEEKS TO RELOCATE THE SAID OBSTRUCTION. IF THE OWNER OF SAID OBSTRUCTION DOES NOT REMOVE OR RELOCATE IT WITHIN TWO (2) WEEKS, THE CONTRACTOR SHALL REMOVE THE OBSTRUCTION AT THE DIRECTION OF THE ENGINEER. IF MAILBOXES CANNOT BE IMMEDIATELY REPLACED, THEN THE CONTRACTOR SHALL PROVIDE FOR TEMPORARY MAIL SERVICE SUITABLE TO THE U.S. POSTAL SERVICE. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT ITEM.

CONSTRUCTION NOISE

ALL LAND USES AND ACTIVITIES ADJACENT TO THIS PROJECT MAY BE AFFECTED BY NOISE DURING CONSTRUCTION OF THIS PROJECT. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, ANY POWER OPERATED CONSTRUCTION TYPE DEVICE SHALL NOT BE OPERATED BETWEEN 9:00 PM AND 7:00 AM.

HAUL ROUTES

ALL HAUL ROADS AND STREETS WITHIN THE PROJECT LIMITS ON WHICH TRAFFIC IS TO BE MAINTAINED SHALL BE KEPT RELATIVELY FREE FROM DUST AND DIRT AND MAINTAINED TO THE SATISFACTION OF THE CITY. THE CONTRACTOR MAY NEED THE USE OF MECHANICAL CLEANING EQUIPMENT TO REMOVE DUST AND PARTICLES FROM THE ROADWAY SURFACE AND MINIMIZE THE CHANCE OF SUCH PARTICLES BECOMING AIR-BORNE.

SAFETY REQUIREMENTS

THE CONTRACTOR SHALL AT ALL TIMES FOLLOW ALL STATE AND LOCAL SAFETY REQUIREMENTS DURING CONSTRUCTION OF THIS PROJECT. SPECIAL CARE SHALL BE TAKEN DURING ALL TRENCHING OPERATIONS. SHEETING AND BRACING, CRIBBING, ETC., MUST BE INSTALLED TO PROVIDE MAXIMUM SAFETY TO THE CONTRACTOR'S WORKERS IN FULL COMPLIANCE WITH OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS.

PRE-CONSTRUCTION VIDEOTAPING

THE CONTRACTOR SHALL AUDIO/VIDEO RECORD THE PROJECT LIMITS AND PROVIDE A DVD COPY INCLUDING REPORTS TO THE CITY PRIOR TO BEGINNING CONSTRUCTION. THE LIMITS OF RECORDING SHALL BE 50 FEET (MINIMUM) ON EACH SIDE OF THE CENTERLINE OF CONSTRUCTION, BUT SHOULD EXTEND FURTHER THAN THESE LIMITS AS DICTATED BY THE CONSTRUCTION LIMITS SHOWN IN THE PLANS.

A BRIEF SUMMARY AS TO THE EXISTING CONDITIONS OF SURFACE FEATURES SUCH AS DRIVES, SIDEWALKS, CURBS, DITCHES, STREETS (INCLUDING PAVEMENT CONDITION FOR FULL WIDTH), LANDSCAPING, TREES, CULVERTS, HEADWALLS, RETAINING WALLS, FENCES, VISIBLE UTILITIES, POLES AND BUILDINGS ARE TO BE DOCUMENTED IN THE REPORT. OF PARTICULAR CONCERN ARE ANY EXISTING FAULTS, FRACTURES, DEFECTS OR OTHER IMPERFECTIONS EXHIBITED IN THE EXISTING SURFACE FEATURES. RECORDING SHALL BE PERFORMED IN SUITABLE WEATHER CONDITIONS AND DURING TIMES OF NO GROUND COVER FROM SNOW OR LEAVES.

ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED TO PERFORM THIS WORK SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM SPECIAL - PRE-CONSTRUCTION VIDEOTAPING.

CONCRETE

ALL CONCRETE SHALL BE CLASS "C" PER STATE OF OHIO DEPARTMENT OF TRANSPORTATION SPECIFICATIONS UNLESS OTHERWISE NOTED.

PAVEMENT REPLACEMENT

ALL PAVEMENT REPLACEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PAVEMENT TYPICAL SECTION SET FORTH IN THESE PLANS.

REMOVALS

IN ALL SIDEWALK, DRIVE, OR PAVEMENT REMOVALS, EDGES SHALL BE CUT TO THE NEAREST JOINT WITH NEAT LINES BY USE OF A POWER SAW. SAW CUTS SHALL BE FULL DEPTH. REMOVALS SHALL BE MADE ONLY TO THE EXTENT APPROVED BY THE CITY. COST OF SAW CUTS SHALL BE INCLUDED IN THE APPROPRIATE BID ITEM.

REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT, AND AGAIN BEFORE FINAL ACCEPTANCE BY THE CITY, REPRESENTATIVES OF THE CITY AND THE CONTRACTOR SHALL MAKE AN INSPECTION OF THE EXISTING SEWERS WITHIN THE PROJECT LIMITS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTIONS SHALL BE KEPT IN WRITING BY THE CITY.

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 ACCEPTABLE BY THE CITY.

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 CITY.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE PERTINENT CONDUIT ITEMS OF THE CONTRACT.

BLASTING

ANY REQUIRED BLASTING SHALL BE DONE IN ACCORDANCE WITH CITY OF SYLVANIA LAWS AND REGULATIONS GOVERNING THE SAME. THE CONTRACTOR SHALL SECURE ANY NECESSARY PERMITS PRIOR TO BLASTING.

WHERE BLASTING IS NECESSARY, IT SHALL BE DONE ONLY BY MEN EXPERIENCED IN SUCH WORK AND ONLY AFTER WRITTEN PERMISSION HAS BEEN SECURED FROM THE CITY OF SYLVANIA. EXTREME CARE SHOULD BE EXERCISED AT ALL TIMES. DANGER SIGNALS SHALL BE GIVEN AND DISPLAYED BEFORE THE SETTING AND FIRING OF ANY BLAST AND THE CONTRACTOR SHALL CONFORM HIS ACTS TO AND OBEY ALL RULES AND REGULATIONS FOR THE PROTECTION OF LIFE AND PROPERTY THAT MAY BE IMPOSED BY ANY PUBLIC AUTHORITIES OR THAT MAY BE MADE FROM TIME TO TIME BY THE ENGINEER RELATIVE TO STORING AND HANDLING OF EXPLOSIVES AND THE FIRING OF BLASTS. NO BLASTING SHALL BE DONE ADJACENT TO ANY PART OF ANY COMPLETED SEWER OR ANY STRUCTURES AND THE MATERIALS SURROUNDING THE SAME SHALL NOT BE DAMAGED BY SUCH BLASTING. IN CASE INJURY TO ANY PORTION OF THE SEWER OR OTHER STRUCTURES OR THE MATERIAL SURROUNDING OR SUPPORTING SAME, THROUGH BLASTING, THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL REBUILD THE SEWER OR OTHER STRUCTURES AND SHALL REPLACE THE MATERIAL SURROUNDING OR SUPPORTING, OR SHALL FURNISH SUCH MATERIAL AND PERFORM SUCH WORK OF REPAIRS AND REPLACEMENTS AS THE ENGINEER MAY ORDER.

THE CONTRACTOR SHALL AGREE TO INDEMNIFY AND SAVE THE CITY OF SYLVANIA HARMLESS AGAINST ALL DAMAGE AND EXPENSE CAUSED IN ANY MANNER WHATSOEVER BY BLASTING OR HANDLING OR STORING OF EXPLOSIVES FOR THE WORK HEREUNDER.

RESTORATION

ALL YARDS, BERMS, AND/OR SIDE DITCHES DISTURBED DURING CONSTRUCTION SHALL BE FINE GRADED TO THEIR ORIGINAL SLOPES OR PLAN GRADE, ANY DEBRIS REMOVED AND SEEDED. SEED SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS AND BE EVENLY SOWN OVER THE PREPARED AREAS AT THE RATE OF NOT LESS THAN FIVE (5) POUNDS PER 1000 SQUARE FEET.

- 40% PERENNIAL RYE GRASS
- 40% KENTUCKY BLUE GRASS
- 20% CREEPING RED FESCUE

DISTURBED AREAS SHALL, UNLESS OTHERWISE SPECIFIED, BE PREPARED, SEEDED, FERTILIZED AND MULCHED ACCORDING TO ODOT SPECIFICATIONS.

ALL SEEDING SHALL BE DONE IN THE MONTHS OF APRIL, MAY OR SEPTEMBER UNLESS OTHERWISE DIRECTED.

BEDROCK EXCAVATION

ROCK EXCAVATION SHALL BE DEFINED AS ALL MATERIALS REQUIRING BLASTING OR JACK HAMMERING PRIOR TO REMOVAL. FROZEN EARTH SHALL NOT BE CONSIDERED AS ROCK EXCAVATION.

PAY QUANTITY FOR ROCK EXCAVATION SHALL BE CALCULATED FROM THE TOP OF ROCK TO 6 INCHES BELOW THE BOTTOM OF THE PIPE. THE PAY WIDTH OF THE ROCK EXCAVATION SHALL BE PAID AS FOLLOWS:

<u>PIPE SIZE (SANITARY OR WATER)</u>	<u>PAY WIDTH</u>
8"	30"
10"	36"
12"	36"
<u>SEWER SIZE (STORM)</u>	<u>PAY WIDTH</u>
VARIABLES	INSIDE DIAMETER OF THE PIPE + 24"

DEWATERING

THE CONTRACTOR SHALL AT ALL TIMES DURING THE CONSTRUCTION OF THE WORK, AND AT ITS COMPLETION FOR FINAL INSPECTION, PROVIDE AND MAINTAIN AMPLE MEANS AND EQUIPMENT WITH WHICH TO PROMPTLY REMOVE AND PROPERLY DISPOSE OF ALL WATER ENTERING THE EXCAVATION OR OTHER PARTS OF THE WORK, AND KEEP SUCH EXCAVATIONS DRY UNTIL THE STRUCTURES TO BE BUILT THEREIN ARE COMPLETED. ALL WATER PUMPED OR DRAINED FROM THE WORK HEREUNDER SHALL BE DISPOSED OF IN A SUITABLE MANNER WITHOUT DAMAGE TO ADJACENT PROPERTY OR OTHER WORK UNDER CONSTRUCTION. THE FLOW OF ALL SEWERS, DRAINS OR WATER-COURSES ENCOUNTERED ON THE WORK, AND IN GUTTERS ALONG THE SIDES OF OR ACROSS THE WORK, SHALL BE ADEQUATELY PROVIDED BY THE CONTRACTOR, AT HIS OWN EXPENSE, BOTH TEMPORARILY AND PERMANENTLY AS REQUIRED, EXCEPT AS SPECIFICALLY PROVIDED FOR OTHERWISE.

UPDATED 4/2013

DESIGNED
JES
CHECKED
KGA

GENERAL NOTES

CITY OF SYLVANIA

