

OWNERS OF PUBLIC UTILITIES

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Ohio Utilities Protection Service
1-800-362-2764

Maysville Regional Water District
Robert Riggs
6255 Maysville Pike
P.O. Box 1700
South Zanesville, Ohio 43701
(614) 849-2428

Ohio Bell Telephone
Mike Hill, Field Location
840 Orchard Street
Zanesville, Ohio 43701
(614) 454-3559

Cable Entertainment of Ohio, Inc.
John Barber
737 Howard Street
Zanesville, Ohio 43701
(614) 452-5414

Columbia Gas Company
Karl Baumgardner
99 North Front Street
Columbus, Ohio 43216-0117
1-800-282-0146

City of Zanesville
Fred Grant, III, P.E. Director of Public Services
4th and Market
Zanesville, Ohio 43701
(614) 455-0650

Village of South Zanesville
Marvin Savage, Superintendent
Water and Sewer Dept.
7 Shawnee Avenue
S. Zanesville, Ohio 43701
(614) 453-3113

County Sanitary Engineer Dept.
Cosmo Bertino, P.E., County Sanitary Engineer
1410 Newark Road
P.O. Box 3248
Zanesville, Ohio 43701
(614) 452-4940

Ohio Power Company
Ron Geese
113 N. 5th Street
Zanesville, Ohio 43701
(614) 452-5461

Columbia Gas Company
B. V. Perry
2429 Linden Street
Zanesville, Ohio 43701
(614) 452-5467

GENERAL NOTES

1. TYPES OF PAVEMENT SURFACES AS INDICATED ON THE PLANS REFER ONLY TO THE APPARENT SURFACE MATERIALS. THE CONTRACTOR SHALL VERIFY TO HIS OWN SATISFACTION THE TYPE OF SURFACE AND BASE OF EACH STREET PRIOR TO THE SUBMISSION OF BIDS. PAVEMENT REPLACEMENT SHALL CONSIST OF THE SAME TYPES OF SURFACE AND BASE MATERIALS AS REMOVED. THE ALLOWABLE WIDTHS OF TRENCH FOR PAYMENT ARE SHOWN IN THE SPECIFICATIONS. NO EXTRA PAYMENT WILL BE ALLOWED FOR DRIVEWAYS AND PARKING AREAS REPLACED.
2. EXACT LOCATION OF EACH END MANHOLE (M.H) OR CLEANOUT (C.O) SHALL BE VERIFIED IN THE FIELD DURING CONSTRUCTION, BY COUNTY.
3. CONTRACTOR SHALL STATE IN HIS BID PROPOSAL, THE TYPE OF GRAVITY SEWER PIPE, FROM THOSE LISTED IN THE SPECIFICATIONS, UPON WHICH HIS BID IS BASED.
4. ALL FORCE MAIN SHALL BE P.V.C. SDR (21). FITTINGS TO BE DUCTILE IRON.
5. ALL V.G.S. SYSTEM PIPE TO BE P.V.C. SDR 26 - FITTING TO BE P.V.C. OR DUCTILE IRON.
6. MANHOLES WILL BE PAID FOR AT A LUMP SUM PRICE EACH FOR MANHOLES UP TO 10 FEET DEEP. MANHOLES IN EXCESS OF 10 FEET SHALL BE PAID FOR AT THE LUMP SUM PRICE PLUS THE CONTRACT UNIT PRICE PER VERTICAL FOOT OF MANHOLE IN EXCESS OF 10 FOOT.
7. DROP PIPES FOR MANHOLES WILL BE PAID FOR AT THE LUMP SUM PRICE EACH UP TO 6 FEET INVERT TO INVERT PLUS THE CONTRACT UNIT PRICE PER VERTICAL FOOT OF DROP IN EXCESS OF 6 FOOT.
8. CONTRACT PRICE PER LINEAL FOOT OF SEWER OR V.G.S. SYSTEM IS PAID THRU ALL HOUSE LATERAL WYES; THE CONTRACT UNIT PRICE PER WYE CONNECTION THEREFORE SHALL ONLY REFLECT THE DIFFERENCE BETWEEN THE WYE AND THE L.F. OF MAIN LINE.
9. ALL FORCE MAIN SHALL BE CONSTRUCTED WITH A MINIMUM COVER OF 3.5 FEET ABOVE THE TOP OF THE PIPE. WHERE NECESSARY TO CROSS OTHER UTILITIES OR CULVERTS AND THE MINIMUM COVER CANNOT BE MAINTAINED WITH A 6 INCH CUSHION BETWEEN, THE FORCE MAIN SHALL BE CONSTRUCTED BELOW THE OTHER UTILITY AT NO ADDITIONAL COST TO THE OWNER.
10. PERMANENT EASEMENTS ARE IN GENERAL 14 FEET IN WIDTH FOR V.G.S. SEWERS, 7 FEET EACH SIDE OF SEWER CENTERLINE. PERMANENT EASEMENTS FOR GRAVITY SEWERS ARE 20 FEET WIDE. TEMPORARY EASEMENTS FOR CONSTRUCTION PURPOSES WILL IN GENERAL BE AN ADDITIONAL 26 FEET IN WIDTH FOR V.G.S. SEWERS AND 30 FEET IN WIDTH FOR GRAVITY SEWERS.
11. AT NIGHT AND AT ALL TIMES WHEN WORK IS NOT IN PROGRESS, THE CONTRACTOR SHALL PROTECT ANY OPEN TRENCH AND/OR EXCAVATION BY PLACEMENT OF A PROPERLY SECURED "SNOW FENCE" AROUND THE EXCAVATION, IN ADDITION TO NECESSARY BARRICADES, LIGHTS AND OTHER PROTECTIVE MEASURES DEEMED NECESSARY.

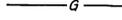
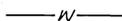
V.G.S. SYSTEM NOTES

1. IT IS INTENDED THAT ALL V.G.S. SYSTEM MAIN LINES BE CONSTRUCTED WITH A COVER OF 4'-6" OVER THE TOP OF THE PIPE. IN CERTAIN AREAS ELEVATIONS ARE SHOWN WHICH WILL CALL FOR MORE THAN THE 4'-6" MINIMUM COVER WITH SLOPE TO DRAIN; IN THOSE AREAS CONTRACTOR SHALL CONSTRUCT THE PIPE TO THE REQUIRED GRADE AT NO ADDITIONAL COST TO THE OWNER. WHERE CROSSING SWALES OR OTHER LOW AREAS WHERE THE CONNECTION TO EXISTING SEPTIC TANKS IS NOT CRITICAL, A MINIMUM COVER OF 3'-6" MINIMUM COVER MAY BE ALLOWED. WHERE CROSSING DITCHES OR SHARP RAVINES, A MINIMUM COVER OF 2'-6" HAS BEEN SHOWN WITH CONCRETE PIPE ENCASUREMENT. CONCRETE PIPE ENCASUREMENT, WHEN SHOWN ON THE PLAN, WILL BE INCLUDED IN CONTRACTORS UNIT PRICE PER LINEAL FOOT OF V.G.S. MAIN.
2. PERMANENT EASEMENTS ARE IN GENERAL TO BE PROVIDED 14 FOOT IN WIDTH. CONTRACTOR SHOULD CONTEMPLATE LOCATING THE V.G.S. LINE AS CLOSE TO PLAN LOCATION AS POSSIBLE WITHIN THE EASEMENT. IF NECESSARY TO MISS EXISTING TREES, SHRUBS, OR OTHER OBSTRUCTIONS, THE CONTRACTOR MAY DEFLECT THE LINE WITHIN THE EASEMENT, BUT IN NO CASE SHALL THE LINE BE CONSTRUCTED NEARER THAN 2 FEET FROM THE EDGE OF THE EASEMENT.
3. CONTRACTOR SHALL, PRIOR TO PLACEMENT OF ANY WYE OR SURGE TANK, PERFORM THE FOLLOWING SERVICES:
 - A. LOCATE EXISTING TANK AND DETERMINE OUTLET ELEVATION.
 - B. RETAIN THE SERVICES OF A LICENSED SEPTIC TANK HAULER TO PUMP EACH EXISTING TANK FOR INSPECTION BY THE COUNTY SANITARY ENGINEER.
 - C. ARRANGE FOR INSPECTION OF EXISTING TANKS BY THE COUNTY SANITARY ENGINEER.

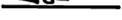
THE COST OF SUCH SERVICES SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE EACH OF SURGE TANKS.
4. IF IT IS DETERMINED THAT ANY EXISTING TANK IS NOT ACCEPTABLE FOR THE INTENDED USE, THE COUNTY SHALL ORDER THE INSTALLATION OF A NEW PRECAST CONCRETE, TWO (2) COMPARTMENT 1000 GALLON SEPTIC TANK. THE NEW SEPTIC TANK SHALL EITHER BE INSTALLED BY THE PROPERTY OWNER, OR MAY BE ORDERED INSTALLED BY THE CONTRACTOR AT THE CONTRACT UNIT PRICE.
5. CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING EXISTING SEWER SYSTEMS IN SERVICE UNTIL THE NEW V.G.S. SYSTEM HAS BEEN TESTED AND APPROVED FOR CONNECTIONS. AS AN ALTERNATE TO MAINTAINING EXISTING SYSTEMS DISTURBED BY THE CONSTRUCTION, THE CONTRACTOR MAY PROVIDE PUMPS AND TRUCKS TO HAUL SANITARY WASTE TO EXISTING TREATMENT FACILITIES FOR DISPOSAL. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CHARGES FOR SUCH DISPOSAL. THE DISPOSAL FACILITIES SHALL BE SUBJECT TO APPROVAL OF THE OWNERS.
6. PROPERTY OWNERS SHALL BE RESPONSIBLE FOR THE FINAL CONNECTION FROM THEIR TANKS TO THE SURGE TANK OR STEP SYSTEM UPON APPROVAL OF THE OWNER.
7. CONTRACTOR SHALL INSTALL STEP SYSTEMS AT THE APPROXIMATE LOCATION SHOWN ON THE PLAN. EACH STEP SYSTEM SHALL BE CONSTRUCTED WITH PUMPS OF THE HEAD CAPACITY AND MINIMUM MOTOR SIZE AS TABULATED ON THE DRAWINGS. CONTRACTOR SHALL VERIFY THAT PUMP HEAD CONDITIONS HAVE NOT CHANGED FROM WHAT WAS ANTICIPATED ON THE PLAN PRIOR TO PLACEMENT OF THE PUMP.
8. ALL SURGE TANKS TO BE FURNISHED AND INSTALLED ARE TO BE TYPE "A" EXCEPT WHERE OTHERWISE DENOTED AS TYPE "C" ON THE PROFILE OR TYPE "B" ON THE PROFILE AS DESIGNATED WITH "B" AT SEPTIC TANK SYMBOL.

LEGEND

EXISTING :

-  Gas Line
-  Water Line
-  Water Valve
-  Water Meter
-  Catch Basin
-  Sanitary Sewer
-  Sanitary Manhole
-  Power Pole
-  Gravel
-  APPROXIMATE Location of Existing Sanitary Facilities.
-  Not To Scale
-  Subdivision Boundary

PROPOSED :

-  Variable Grade Sewer (V.G.S.)
-  Gravity Sewer
-  Force Main
-  Lift Station
-  Surge Tank
-  Wet Well - S.T.E.P.
-  Sanitary Manhole
-  Encasements
-  Clean Out

VERTICAL CONTROL :

Elevations shown on this plan are 1.97 feet above N.G.V.D. 1929.

Revisions

Designed by:	S.W.	Date:	9-82
Drawn by:	W.H.J.	Date:	9-82
Checked by:	J.L.R.	Date:	9-2-82
Approved by:	U.L.R.	Date:	9-3-82

LEGEND & GENERAL NOTES

Maysville III Area Wastewater Project

CONTRACT DIVISION C

Design Enterprise Ltd.

Scale AS SHOWN

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