

GENERAL NOTES

All sanitary sewers and/or water lines and appurtenances shall be constructed according to Montgomery County Water Services Specifications, dated June 19, 2007, (effective August 1, 2007), or latest revision thereof.

No additions, deletions or revisions to the sanitary sewer and/or water facilities are to be made without prior written approval by the Montgomery County Water Services Engineer.

No construction shall commence until Montgomery County Water Services permits have been issued, and two (2) working days notice has been given to the Inspection Division (781-2650).

All utility trenches within the existing or proposed right-of-way or under paved areas shall be backfilled with compacted granular material conforming to ODOT 310 in accordance with the Montgomery County Water Services Specifications.

No sanitary sewer and/or water main line permits shall be issued until permits to work in the public road right of way (street cut permits) or the State of Ohio Highway permit has been obtained (as applicable).

All existing underground utilities are shown in their approximate locations according to the best available information. The contractor shall notify the Montgomery County Water Services at 1-800-362-2764 and all other Utility Companies 48 hours prior to construction to obtain field locations of said existing underground utilities.

Roof drains, foundation drains or other clean water connections to the sanitary sewer system are prohibited.

Sanitary manholes shall be pre-cast conforming to ASTM C-478, or monolithic constructed of Class "A" 4200 psi concrete. Manholes shall be vacuum tested. Joints between pre-cast sanitary manhole sections shall conform to ASTM C-443. Chimney seals shall be provided between the casting and cone section. Eccentric cones shall be used. Manhole castings are to be bolted to the cone section.

Sanitary manhole bottoms are to be channeled (full pipe channel section).

Sanitary sewer pipe and fittings shall be PVC or extra strength vitrified clay. PVC pipe and fittings shall meet and/or exceed all the requirements of ASTM D-3034, SDR26 and have a minimum pipe stiffness of 46 psi. Extra strength vitrified clay pipe and fittings shall meet and/or exceed all the requirements of ASTM C-700. The contractor may have his choice of these materials (prior to issuance of mainline permits) unless otherwise specified in the plans and specifications.

Sanitary sewer pipe joints shall conform as follows: PVC pipe joints shall conform to ASTM D-3212 (elastomerically gasketed). Clay pipe joints shall conform to ASTM C-425.

The contractor shall not make any physical connection to the existing sanitary sewer until the remaining sewer, excluding the first span has been inspected, tested and released.

The infiltration/exfiltration test for the sanitary sewer shall not exceed 50 gal/in.-dia/mi./day.

The water main installation will be inspected by the Montgomery County Water Services and may be inspected by the City of Dayton, if required.

No service connections shall be made to the water main until the main line has been inspected, tested, disinfected and released for taps and on-premise.

Water mains, bends and fitting shall be ductile cast iron pipe and conform to ANSI A-21.51 (AWWA C-151), Class 51. All water mains shall be polywrapped.

Water mains shall have 4'-6" minimum cover.

Only Montgomery County Water Services personnel shall operate main line water valves.

Fire hydrants (closest point) shall be located 2' from and within 5' of the curb or edge of pavement and 4" opening to face the street.

Water lines crossing any and all sewers shall have a minimum vertical separation of 18" between the outsides of the water main pipe and the sewer pipe. One full length of water main shall be centered at the point of crossing such that both joints will be equidistant and as far from the sewer as possible. If water crosses below sanitary sewers, the sewer must be water main material for that span.

All gate valves are to be located at tees or crosses with a one foot, (1') maximum nipple between tee or cross and valve. All plugs are to be connected to valves except where shown on plans.

Any construction of pre-stressed or connection to pre-stressed water mains will require a meeting with Montgomery County Water Services before ordering the pipe for the project.

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