

CITY OF REYNOLDSBURG, OHIO

GENERAL NOTES

STREET, STORM & WATER

SPECIFICATIONS: The requirements of the City of Reynoldsburg, together with the Standard Specifications of the State of Ohio, Department of Transportation, including all supplements thereto in force on date of contract shall govern all materials and workmanship involved in the improvements shown on these plans except as such specifications are modified by the following specification, or by the construction details set forth herein.

SAFETY REQUIREMENTS: The Contractor and Subcontractor shall be solely responsible for complying with all federal, state and local safety requirements, together with exercising precautions at all times for the protection of persons (including employees) and property. It is also solely the responsibility of the Contractor and Subcontractor to initiate, maintain and supervise all safety requirements, precautions and programs in connection with the work.

PERMITS: The Contractor shall obtain all necessary permits. All necessary permits and licenses shall be obtained from the office of the Director of Public Service, City of Reynoldsburg, Ohio, prior to construction.

SANITARY FACILITIES: The Contractor shall furnish and maintain sanitary convenience facilities for the workmen and inspectors for the duration of the work.

OUPS NOTIFICATION: The Contractor shall cause notice to be given to the Ohio Utility Protection Service (telephone number (800) 362-2764 - toll free) and to the Owners of the utility facilities shown on the plan who are not members of a registered underground protection service in accordance with Section 153.64 of the Revised Code. Said notices shall be given at least two (2) working days prior to the start of construction.

EXISTING UTILITIES: The identity and location of the existing underground utility facilities known to be located in the construction area have been shown on the plans as accurately as provided by the Owner of the utility. The City of Reynoldsburg and/or the Engineer assumes no responsibility as to the accuracy of the locations or the depths of the underground facilities whether shown on the plans or not.

Support, protection and restoration of all existing utilities and appurtenances shall be the responsibility of the Contractor. The cost of this work shall be included in the price bid for the various items.

MISCELLANEOUS WORK: All items of work called for on the plans for which no specific method of payment is provided shall be performed by the Contractor and the cost of same shall be included in the price for the various related items.

CONCRETE PIPE AND STRUCTURE INSPECTION: All precast concrete products shall be inspected at the location of manufacture. Approved precast products shall be stamped or have such identification noting that said products have been inspected by the City of Columbus and meet their specifications. Precast concrete products without proper identification of inspection will not be permitted for installation.

EASEMENTS: Approval of this plan is contingent on all easements required for the construction of the work being secured and submitted to the City of Reynoldsburg for recording prior to commencement of the work, and no work which requires an easement will be allowed to proceed until this has been done.

REPLACEMENT OF DRAIN TILES AND STORM SEWERS: All drain tile and storm sewers damaged, disturbed, or removed as a result of the Contractor's operations shall be replaced with the same quality pipe or better, maintaining the same gradient as existing. Replaced drain tile shall be laid on compacted bedding equal in density to surrounding stratum. Replacement shall be done at the time of the backfill operation. Cost of this work to be included in the price bid for the various items.

MAINTAIN DRAINAGE: The flow in all sewers, drains, and watercourses encountered shall be maintained by the Contractor at his own expense, and whenever such watercourses and drains are disturbed or destroyed during the prosecution of the work, they shall be restored by the Contractor at his own cost and expense, unless specific provision is made within the Contract Documents for the measure of and payment for such cost specific items, to a condition satisfactory to the Engineer.

DEWATERING: Any well, well point, pit, or other device installed for the purpose of lowering the groundwater level to facilitate construction of this project shall be properly abandoned in accordance with the provisions of Section 3745-9-10 of the Ohio Administrative Code or in accordance with the provision of this plan or as directed by the Service Director or his representative.

STORM SEWERS: Unless otherwise noted on the plans all storm sewers shall be as hereafter specified: (1) All sizes of storm sewer located within or across proposed or existing pavement areas shall be Type B conduit, 706.02, with Type 2 bedding; (2) Storm sewer located outside pavement areas shall be Type C conduit, 706.01, Type 2 bedding, for 15" and smaller and shall be Type C conduit, 706.02, Type 2 bedding, for 18" and larger. The following modifications to Ohio Department of Transportation Specifications shall apply: (1) Granular backfill material shall be aggregate meeting gradation of Item 304, compacted in accordance with Item 603.09, and placed within limits shown on the plan including around all inlet structures. Granular backfill shall extend from the bottom of the trench to a plane 6" below the subgrade.

UNAUTHORIZED STREET EXCAVATION: In the event excavation for the street is from 0" to 6" below that called for on the plans, the Contractor shall replace this excess excavated material with compacted 46D crushed aggregate as directed and at no extra cost to the Owner or Engineer.

SURPLUS EXCAVATION: The Contractor shall dispose of all surplus street excavation on the project site where and as directed by the Owner.

CURB AND GUTTER INLETS: All curb and gutter inlets shall be channeled as directed.

GUTTER TESTING: The Contractor shall be responsible for testing the grades of the gutters with water, prior to final acceptance of the streets. The cost shall be included in the price bid for curb and gutter.

ROOF DRAIN OPENINGS: The Contractor shall provide two roof drain openings in the curb for each lot, each opening located not more than 4' in from each lot line.

EXPANSION JOINTS: It shall be the responsibility of the Contractor to adequately barricade the street in the vicinity of all expansion joints, until such time as the street is open to traffic.

SIDEWALKS: Sidewalks for this project shall be constructed by the Home Builders across their lots at the time of house construction.

STREET LIGHTING: Standard Electrical Specifications and Standard Construction Drawings, covering street lighting for the City of Reynoldsburg, Ohio, shall apply.

WATER MAINS: All water mains 4" through 10" shall be either Ductile Iron Class 53, AWWA C-151, or PVC Plastic AWWA C-900, Class 150. All water mains 12" and larger shall be Ductile Iron Class 54, or NSF approved. All bends, joint deflections and fittings shall be backed with concrete where and as directed. Where water mains or services cross proposed or existing streets, backfill shall be compacted granular material, Item 310-A (no grits allowed) within limits 5' outside edge of pavement or curb, extended from the bottom of the trench to a plane 6" below the subgrade. The services may be jacked across the street in lieu of open cut and the use of granular backfill.

All water mains shall be constructed at a depth of 4.5 feet, as measure from the proposed grade to the centerline of the water main, unless otherwise approved or directed by the Engineer. In case of conflict in grade between the water line and storm sewers, the water line shall be lowered during construction. Water service taps shall not to be placed on the lowered section of the water line. Water service taps shall not be placed within 10 feet of any permanent structure (i.e., fire hydrant, storm sewer inlet, etc.).

The separation of water mains and storm sewers, sanitary sewers, and sanitary sewer force mains shall be in accordance with Recommended Standards for Water Works (1997), Sections 8.6.2, 8.6.3, 8.6.4, and 8.6.5.

TRENCHES: All trenches shall be backfilled or securely plated during non-working hours.

WATER MAIN CLEANING: All water mains 12" and larger shall be cleaned by passing a properly sized poly pig through the pipe. The poly pig shall have a minimum density of five (5) pounds per cubic foot, be coated with a double spiral wrap without wire brushes or scrapping tools. Approved poly pigs include: Pipeline Pigging Products Model B4, Girard Model RCC, and Knapp Model 1-C.

The contractor shall prepare the main for the insertion and removal of the poly pig at points identified by the Engineer as insertion ports, if required, and exit ports. In general, this will consist of providing all material, equipment, and labor to insert the poly pig and construct a sanitary exit port. Where practical, the poly pig shall be inserted into the first length of pipe during the initial installation. At the exit port, the contractor shall prevent the backflow of purged water into the main by the temporary installation of mechanical joint bends and pipe joints to provide a riser out of the trench. On larger pipe, additional excavation of the trench may serve the same purpose. Where trench is used, the excavation shall be lined with polyethylene. Pumps and/or ditches shall be provided to prevent contaminated water from reentering the main. After the main is cleaned to the satisfaction of the City, the contractor shall remove all temporary constructions and complete all work necessary to secure the system prior to backfilling insertion and exit sites. Additional poly pig runs may be required by the Engineer when water purged from the main indicates the presence of excessive dirt or debris.

HYDROSTATIC TESTING: A hydrostatic test, as required in Section 4 of the Standard AWWA Specification C-600, shall be applied to the whole or individual valved off sections of the mains and fire hydrant leads, either before or after the trench is backfilled, in accordance with Section 801.11 of the City of Reynoldsburg General Water Main Specifications.

CHLORINATION OF WATER MAINS: The Contractor shall make arrangements to have the water mains chlorinated, by the City of Columbus, per AWWA C-651. The cost of chlorination shall be included in the price bid for the various water main items.

CURB BOXES: Curb boxes shall be located within the Right-of-Way, 6" from the property line, unless otherwise shown on the plans or ordered by the Engineer.

WATER SERVICES: Where and as shown on the plans, the water services shall be extended from the normal locations of the permanent box and curb stop to its terminus point with Copper Type K and a temporary box set at the end of the extension.

CURB MARKING: The top of the curb, when constructed or repaired, shall be marked to indicate location of water services (W), water mains (M), and sanitary sewer services (S).

MONUMENTS: Any property corner pins or permanent survey markers disturbed during construction shall be reset by a registered surveyor at the Contractor's expense.

NON-RUBBER TIRED VEHICLES: No non-rubber tired vehicles shall be moved on public streets. Exceptions may be granted by the City of Reynoldsburg where short distances and special circumstances are involved. Granting of exceptions must be in writing, and any damage must be repaired by the Contractor to the satisfaction of the City of Reynoldsburg.

SITE GRADING: The Contractor shall return all grades to original condition, matching undisturbed areas, so as to maintain original drainage. Cost of this work shall be included in the prices bid for the various items.

OHIO EPA PLAN APPROVAL: The Contractor shall comply with all requirements and special conditions of the Ohio EPA Plan Approval issued for the project.

FINAL INSPECTION: The City of Reynoldsburg shall not authorize final inspection for any portion of the project until such time as all Surplus Materials required per Item 19 of Reynoldsburg Standard Drawing R-43 have been delivered in good condition to the Reynoldsburg Street Department.

WORKING PRESSURE: The normal working pressure in the water lines shall not be less than 35 psi.

BOOSTER PUMP PROHIBITION: Individual booster pumps shall not be allowed for any individual residential service.

+++++ END OF SECTION +++++

SIGNATURE BLOCK PRESENTED ON FOLLOWING PAGE.

STREET, STORM, WATER PLAN SIGNATURE BLOCK

Signatures below signify only concurrence with the general purpose and general location of the project. All technical details remain the responsibility of the Engineer preparing the plan.

APPROVED BY:

Reviewed for the City of Reynoldsburg

Date

Director of Public Service
City of Reynoldsburg, Ohio

Date

Superintendent of Water/Wastewater
City of Reynoldsburg, Ohio

Date

Superintendent of Streets
City of Reynoldsburg, Ohio

Date

Chief Truro Township Fire Department

Date

Note to Engineer preparing plan:

The City of Reynoldsburg is served by a number of fire departments (Truro Township, Jefferson Township, Violet Township and West Licking). The Engineer shall include a signature line for all fire departments which have jurisdiction within the project boundaries.