

Town of Fortville
Utility Street Standards

SECTION 01001 - GENERAL REQUIREMENTS

1.1 DEFINITIONS

- A. Whenever used in these specifications the following terms have the meanings indicated which are applicable to both the singular and plural thereof:
1. Town - The Town of Fortville, represented by the Town Council, having the authority to approve the plans, and specifications and accept the final construction. Person or firm having control over the development site, and management of the project on behalf of the Town.
 2. Engineer - Town's Engineer acting on behalf of the Town.
 3. Contractor - The person, firm or corporation with whom the developer or Town has entered into an agreement for construction of the project.
 4. Project - The total construction of which the work to be provided may be the whole or part.
 5. Work - The entire completed construction or the various separately identified parts required to be furnished.
 6. Representative - Town's inspector or Engineer acting on behalf of the Town.
 7. Superintendent - Superintendent of Streets and Utilities who is employed by the Town in a position with direct responsibilities over construction, operation and maintenance of streets and utilities.

1.2 WORK TO BE PERFORMED

Work to be performed shall be in accordance with drawings and specifications approved by the Town.

1.3 LOCAL LABOR AND MATERIALS

- A. Whenever possible, the Contractor, his subcontractors, material men, or others who employ labor, shall employ such labor locally.
- B. The Contractor shall purchase materials such as sand, cement, gravel, pipe, steel, lumber, etc., from local dealers wherever such local dealer's prices meet competitors' and where such materials meet the specifications.

1.4 SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION

The Contractor shall be solely responsible for all obligations prescribed as employer obligations under Chapter XVII of Title 29, Code of Federal Regulations, Part 1926, otherwise known as "Safety and Health Regulations for Construction".

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1.5 DISCOVERY OF HAZARDOUS MATERIAL

If, during the course of this work, the existence of hazardous material, including asbestos containing material, is observed in the work area, the Contractor shall immediately notify the Town in writing. The Contractor shall not perform any work pertinent to the hazardous material prior to receipt of special instructions from the Town of Fortville. Asbestos containing material includes transite pipe.

1.6 EASEMENTS

- A. The Developer will obtain right-of-way easements over and through certain private lands for the construction and rehabilitation. The width or limits of such rights-of-way will be defined by the Town before the work or construction shall begin. If the methods of construction employed by the Contractor are such as to require the use of land beyond the limits obtained, he shall make his own agreements with the property owners affected for the use of such additional land.
- B. In all such right-of-way easements, the Contractor shall be required to carefully remove the property owner's fences, or other obstacles to the construction procedure, and replace the same after the work is installed. The backfilling shall be to the grade of the existing ground level or to the grade as established by the property owner in the event the property owner permits the deposit of excess material upon such land.
- C. The cost of all such restoration of property shall be included in this work.

1.7 OPERATIONS WITHIN RIGHT-OF-WAY

In public thoroughfares, all operations of the Contractor, including those of temporary nature, must be confined within the applicable right-of-way limits after having obtained an approved right-of-way permit from the Town. If the methods of the construction employed by the Contractor are such as to require the use of land beyond the public thoroughfares, he shall make his own agreements with the property owners affected for the use of such additional.

1.8 PERMITS

- A. The Developer will obtain permits which relate to the completed facilities. Permits obtained by the Developer include permits from the following:
 - 1. Indiana Department of Environmental Management
 - 2. Department of Natural Resources
 - 3. Corps of Engineers
 - 4. Indiana Department of Fire Prevention and Building Safety
 - 5. Indiana Department of Transportation
 - 6. Railroads

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- B. The Contractor shall obtain permits which relate to construction procedures.
 - 1. All necessary permits or licenses required from the State or County in connection with construction procedures under or along existing highways shall be obtained by and at the expense of the Contractor. The construction shall be performed by the Contractor in full accordance with any and all requirements of the State Highway Commission or County Road Commission, including those applying to barricades, watchmen, guarding, lighting, storage or supplies, equipment and excavated materials, method or backfilling, final grading, replacement of pavement or road surface, and all other conditions or requirements which may be stipulated by the State Highway Commission or County Road Commission, whether specifically shown on the drawings or mentioned in the specification.

1.9 MAINTAINING TRAFFIC

- A. Before closing any thoroughfare, the Contractor shall notify and, if necessary, obtain a permit or permits from the duly constituted public authority having jurisdiction, whether it be state, county, or town.
- B. The Contractor shall notify the Town of the intention to close a particular street 72 hours in advance of the proposed closing. The Contractor shall place all proper detour signs and barricades prior to the actual street closing.
- C. During the construction, the Contractor shall be responsible for maintaining and protecting the pedestrian and vehicular traffic at all times on all streets involved and providing access to all residential and commercial establishments adjacent to the construction area. The Contractor shall furnish and maintain signage, barricades, flares, etc., in accordance with Indiana Manual on Uniform Traffic Control Devices. The signage, barricades, etc., must be in good condition.
- D. The Contractor shall conduct his work in such a manner as not to unduly or unnecessarily restrict or impede normal traffic through the streets of the community. Insofar as it is practicable, do not locate excavated material and spoil banks in such a manner as to obstruct traffic. Keep the traveled way of all streets, roads, and alleys clear and unobstructed insofar as is possible. Do not use streets, roads, or alleys for the storage of construction materials, equipment supplies, or excavated earth, except when and where necessary. If required by duly constituted public authority, the Contractor shall, at his own expense, construct bridges or other temporary crossing structures over trenches so as not to unduly restrict traffic. Such structures shall be of adequate strength and proper construction and shall be maintained by the Contractor in such a manner as not to constitute and undue traffic hazard. Private driveways shall not be closed, except when and where necessary, and then only upon due advance notice to the Town and for the shortest practicable period of time, consistent with efficient and expeditious

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construction. The Contractor shall be liable for any damage to persons or property resulting from his work.

- E. Streets in which excavation has occurred shall be temporarily restored to receive traffic as soon as possible. Permission to close additional streets shall be denied the Contractor if, in the opinion of the Town, the restoration on streets where excavation has occurred has not progressed satisfactorily.

1.10 WALKS AND PASSAGEWAYS

The Contractor, when required, shall make provisions at cross streets for the free passage of vehicles and foot passengers, either by bridging or otherwise. Do not obstruct the sidewalks, gutters, or streets, or prevent in any manner the flow of water in streets. Use all proper and necessary means to permit the free passage of surface water along the gutters. The Contractor shall immediately cast away all offensive matter, exercising such precaution as may be directed by the Town's Representative. All material excavated shall be so disposed of as to inconvenience the public and adjacent tenants as little as possible and to prevent injury to trees, sidewalks, fences, and adjacent property of all kinds. The Contractor may be required to erect suitable barriers to prevent such inconvenience or injury.

1.11 WARNING LIGHTS AND ARROW BOARDS

The Contractor shall place sufficient warning lights and arrow boards on or near the work and keep them illuminated during periods of construction and reduced visibility (from twilight in the evening until sunrise) and shall be held responsible for any damages that any party or the Town may sustain due to negligence while prosecuting this work.

1.12 UTILITIES

- A. Temporary Removal: All existing utility systems which conflict with the construction of the work herein which can be temporarily removed and replaced shall be accomplished at the expense of the Contractor. Work shall be done by the utility unless the utility approves in writing that the work may be done by the Contractor.
- B. Permanent Relocation of Utilities: Water mains, storm sewer inlets, gas lines, wire lines, service connections, water and gas meter boxes, water and gas valve boxes, light and traffic standards, cable ways, signals, and other utility appurtenances located in the public right-of-way which would permanently interfere with the proposed improvements will be moved by the utility involved and paid for by the Contractor.
- C. Payment for Utilities: The Contractor shall make all necessary applications and arrangements and pay all fees and charges for electrical energy for power and light, gas, water, and telephone service as required for the construction of this

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Contact during its entire progress. Included shall be all temporary wiring, switches, connections, and meters.

1.13 DUST, NOISE, AND EROSION CONTROL

Dust shall be minimized by use of water and deliquescent salts. Noise shall be minimized by use of properly constructed and maintained equipment provided with suitable mufflers, snubbers, and other sound attenuating devices and supports. Erosion shall be controlled in such a manner that soil particles from the construction site are prevented from entering public waters or from being deposited on neighboring property, streets, and highways.

1.14 SUBMITTALS - CERTIFICATE OF COMPLIANCE

The Contractor shall submit to the Town a Certificate of Compliance from the manufacturer and/or supplier of each and every specified material or manufactured equipment item. The Certificate shall state that the material or the item of equipment to be furnished has been manufactured with materials in accordance with the applicable sections of all required codes, specifications, and standards as required by the specifications.

1.15 MANUFACTURER'S SERVICE TIME

- A. When a lift station or other equipment is to be furnished by the Contractor and maintained by the Town, service by the manufacturer is required to be furnished as part of the work and shall be at the Contractor's expense.
- B. The service provided shall be by a qualified representative who shall check the completed installation, place the equipment in operation, and instruct the Town's personnel regarding operation and maintenance procedures. Such services are to be for a period of time and for the number of trips specified. A working day is defined as a normal 8-hour working day, on the job site and does not include travel time.
- C. The services shall further demonstrate to the Town's complete satisfaction that the equipment will perform the functions for which are intended.

1.16 GUARANTEE/WARRANTY

The Contractor shall provide a written or typed warranty for all equipment installed.

1.17 RECORD DRAWINGS

- A. The Contractor shall prepare or be responsible for preparation and submittal of record drawings, which shall include one (1) set of full size reproducible

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drawings and one (1) set in an electronic file utilizing AutoCAD (Release 14) or comparable computer-aided design software in “DWG” and/or “DXF” format.

- B. Record drawings shall be a full set of drawings showing all details of the construction project and reflecting any changes from the approved drawings. Accurate locations of manholes, structures, sewers, house/building services, utility crossings and other pertinent features shall also be shown.
- C. Record drawings shall be certified as to their accuracy by a registered Professional Engineer.
- D. Record drawings shall be submitted to the Town’s Superintendent within thirty (30) days after completion of construction.

1.18 VIDEO RECORDS

- A. The Contractor shall provide video records of all sanitary sewer lines constructed as part of the project prior to the Town permitting sewer connections. The video records shall be in a *.mpg or *.wmv format.

1.19 PERFORMANCE AND MAINTENANCE BONDS

- A. The Town of Fortville requires a Performance Bond in an amount not to exceed 125% of the valued improvements and a 3-year Maintenance Bond in an amount not to exceed 20% of the value of the installation of public utilities, roads, curbs, sidewalks, trails, waterlines, sanitary sewers, storm sewers, street lights and street signs prior to issuance of building permits and/or occupancy permits.
- B. A certified engineer’s estimate of the improvements must be submitted with the bonds.

END OF SECTION 01001