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WORK APPROVALS

Acceptance by the Michigan Department of Transportation of any or all Utility work under this contract will be conditioned upon approval by the appropriate Department of the City of Detroit.

UTILITY ACCESS

The contractor shall contact the utility owners, including the Detroit Fire and Police Departments regarding their facilities *prior* to starting the work. All utilities outlets and control *fixtures* shall be maintained in an accessible condition at all times.

ADJACENT UTILITIES

When proposed utilities cross or lay parallel to an existing or proposed utility, a vertical clearance of 12 inches and horizontal clearance of 42 inches shall be provided between the outside limits of their construction and the outside limits of the PLD or DWSD facility. PLD facilities include electrical conduits, communication conduits, and related structures. DWSD facilities include sewers, water mains, and related structures. If for any reason this clearance cannot be provided, the contractor shall notify the project engineer and proceed under his direction in an approved manner.

RECLAIMING SALVAGABLE MATERIAL

All salvageable material within the limits of this project and belonging to either privately or municipally owned utilities, which are to be reclaimed by its owner, will be indicated on the plans or in the proposal. The removal of such material shall be done by the owner and at their own expense and at such time as will cause no delay to the Contractor. If after due notice the owner does not remove the material, the Engineer shall advise the Contractor to remove the material and this material shall become the property of the Contractor. The work of removing the material is included in the construction of the project and will not be paid for separately

HYDRANTS AND WATER

The Contractor shall pump out at the end of each day throughout the year, regardless of the season, any fire hydrant used to obtain water.

The Contractor shall secure the required permit from the Detroit Water and Sewerage Department, and shall bear all the expense for such permit and for the water used. If connections are made to hydrants, the Contractor shall also obtain permission for such connections from the Detroit Fire Department. Fire Department's standard hydrant wrench shall be used for the operation of the hydrant.

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SHOP DRAWINGS

The Contractor shall furnish shop drawings showing complete details of the structural steel, reinforcing steel, water mains and appurtenances, electrical components and any other items called for on the Plans or Specifications.

In each instance, the Contractor shall submit eight (8) sets of prints to the Project Engineer to obtain approvals from the City of Detroit or its Consultant(s). The Contractor shall furnish ten (10) sets of prints, as finally approved by the City of Detroit or its Consultant(s), to the Project Engineer for distribution.

Tracings of shop drawings shall be turned over to the Department as provided under Subsection 707.03.C.1 of the 2003 MDOT Standard Specifications for Construction. In addition, one set of transparent reproductions of all shop tracings shall be provided by the Contractor for the City of Detroit.

USE OF BALL TYPE PAVEMENT BREAKER FOR REMOVAL OF MISCELLANEOUS STRUCTURES

The use of a crane and ball type pavement breaker for the removal of miscellaneous structures referred to in Section 204 of the 2003 Standard Specifications and the removal of other items called for in these Supplemental Specification will <u>NOT</u> be permitted at any time for work under this Contract, except when specifically authorized by the Engineer.

PUMPING AND DRAINAGE

The Contractor will be required to furnish all equipment and supplies and perform all labor necessary to keep all excavated areas dewatered during the period of his contract.

The work will include the disposal of all drainage water flowing into the excavation. The drainage of the entire project shall be disposed of in a manner that will not interfere with or delay the work of others. This work shall be performed as directed by the Engineer.

The City will permit, subject to its approval, drainage water from the excavations for the project to enter existing operating sewers without reimbursement. No claims for damages, however, will be allowed the Contractor because of the inadequacy of the City sewers to accommodate the water from the excavations.

All sewers and drainage structures shall be kept thoroughly cleaned of silt, debris and foreign matter, and shall be free from such accumulation at the time of final inspection.

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PUMPING AND DRAINAGE, (cont'd.):

The work of pumping and cleaning the structures specified will be considered included to the construction of the project and no additional payment will be made.

PROPERTY AND SURVEY MONUMENTS

Before any monuments or stakes marking the boundaries of property along or near the work are removed or disturbed, the Contractor shall notify the Engineer in sufficient time so that they can be properly located and reset.

All precautions shall be taken to avoid disturbance of permanent survey monuments of any City, County or State authority, and when any of these are disturbed or destroyed, the Contractor shall restore them to the satisfaction of such authority and shall pay all costs incurred by such authority in connection therewith.

CLEANLINESS OF THE WORK

The Contractor shall at all times keep the street pavement and right-of-way and any public or private premises temporarily occupied by him for purposes of work under this contract free from accumulations of waste material or rubbish caused by his employees or the work. The requirement shall apply to any streets in vicinity of the work which are affected by the Contractor's construction or hauling operations, as well as to streets in which the work is located. If the Contractor shall fail to keep any street cleaned of debris resulting from his operations, and therefore shall create any public nuisance, he shall be notified in writing by the Engineer to clean the street and remove the nuisance immediately. If, within 24 hours after the receipt of such notice, the contractor shall fail to clean such street satisfactorily, the Engineer shall order the street cleaned by the Department of Public Works or such other agency as he shall designate and all costs of such cleaning shall be paid by the Contractor.

Materials and equipment not in current use shall not be stored on any city streets. Storage of materials on private property shall require a written agreement with the owner. The Contractor shall provide the Engineer a copy of the agreement.