Wayne State University

Harwell Field Backstop

091-312891

Athletics Service Drive Replacement

999-315642

SUMMARY OF WORK
Backstop 091-312891

- Removal of existing temporary backstop and portions of existing concrete pavement.
- Repair and relocation of existing aluminum elevation system.
- Reinforced concrete foundations for backstop system.
- Reinforced concrete backstop wall.
- Narrower vents at backstop wall, alternate size.
- New backstop related fencing and gates.
- Installation of concrete slabs at bleacher entrance and ramps.
- Related excavation, grading and site preparation.
- Finish grading and lawn repair.
- Bleacher and pier tension installation by others.

SUMMARY OF WORK
Service Drive Replacement 999-315642

- Removal of existing annual service drive (Brookly Avenue).
- New concrete pavement at Brookly Avenue drive.
- Related excavation, grading and site preparation.
- Finish grading and lawn repair.

PRICING

1. Contractor to provide separate bid amounts for each component of work described in these drawings.
   No separate bids are given.

2. Both projects will be awarded to one bidder, with separate contracts for each project. Price proposals for each project, including payment application, shall be handled separately.
GENERAL
1. All work shall be performed in strict accordance with the requirements of the governing regulations, codes, and specifications for the project.
2. The contractor shall make no changes in design drawings without written approval of the architect.
3. Work not completed on site can be completed off-site as long as it is identical to that shown on all corresponding plans. It shall be reinstalled.
4. The contractor shall be responsible for coordination between trades.
5. The contractor shall provide for any excavating as required during excavation and construction.
6. Shop drawings for all systems and products shall be submitted prior to the start of fabrication.

EARTHWORK
1. All earthwork, including excavation, fills, road fill, and testing, computerized, etc., shall be performed in accordance with recommendations contained in the project specifications and the specifications.
2. Bottom of footing excavations are approximate and are to be cut to shape with selected fill material to achieve the required depth or as specified. Excavation shall be conducted by contractor or by others as directed by the architect. Excavations for foundation walls are to be completed prior to the start of construction.
3. Excavation and construction of new foundations shall be constructed in a manner to ensure stability of adjacent streets and utility lines. All lines shall be moved prior to excavation.
4. The contractor shall notify the appropriate engineer prior to excavation. The engineer when excavation of the bottom of the structure has been completed, foundations shall not be founded on the excavation foundation and verified the bearing value.
5. Excavations shall be clean of debris and shall be maintained fully speeded to on construction.
6. Excavations shall be brought up promptly on each face of walls and grade beams.

CONCRETE
1. All concrete shall be poured using the latest cement and coarse aggregate recommended for fresh concrete concrete (see chart). 
2. All foundations and concrete shall be a minimum compressive strength of 3000 psi. A 7-day compressive strength of 4000 psi is recommended. 
3. Concrete footing shall be cast using water or water concrete materials and concrete to the latest authority.
4. Clean, dry, and level footing material, earth, gravel, and other materials that may reduce the concrete bond to the finished product.
5. Pouring of concrete shall not start until the reinforcing has been placed and approved by the design professional.

CONCRETE REPAIR
1. Existing concrete damaged by construction operations shall be repaired by contractors.
2. Contractors shall employ techniques which will guarantee proper repair as specified in these drawings.
3. Existing concrete slab shall be removed in their entirety.
4. Existing concrete slab shall be replaced in their entirety.

FOUNTAININGS
1. Pumps and equipment to be installed in any manner that may not be necessary for the subcontracted items. Subcontractors shall install a pump, a submersible with a maximum capacity of the project for the number of feet, the value of demand, and the efficiency in the feet.
2. And footings shall be placed in the water or the frozen ground.
3. Minimum requirement for basement footing shall be inspected and approved by the building inspector prior to the start of construction.
4. All buildings against foundations shall not be done until concrete has hardened for 15 days in weather conditions.

BRICK VENEER (Add Alternate 1)
1. Brick and colored stone in addition to the primary brick shall be purchased to provide compatible colors.
2. Exterior wall shall be insulated with a minimum R-3.0 rating.
3. Interior wall shall be insulated with a minimum R-3.0 rating.

IRRIGATION
1. Irrigation system shall be designed by the topography and slope of the proposed backstop. Backstop shall be determined by the topography of the site. At any point where the topography requires a change in elevation, contractor shall be responsible for ensuring that the finished product meets the requirements.
2. Prior to design, all water lines shall be made and installed to provide a functional irrigation system.

LAWN REPAIR
1. All roads and streets shall be designed to include a stormwater management plan for the project.
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ELECTRICAL
1. Replace design drawings that are not in accordance with the specifications. No changes shall be made to the specifications. No changes shall be made to the specifications.