LOT 12
5000 WOODWARD AVENUE
DETROIT, MI 48202
PARKING LOT IMPROVEMENTS

WSU Project Number 999-274013
MEP Project Number 1515-1

BID
JANUARY 25, 2018
CAUTION!!

THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE DRAWINGS ARE ONLY APPROXIMATE. NO GUARANTEE IS EITHER EXPRESSED OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF.

THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.

SITE REMOVAL PLAN

BENCHMARK

1 inch = 20 ft.

GRAPHIC SCALE

LEGEND

- FIRE HYDRANT
- GAS MARKERS
- GATE VALVE
- FOUND CAPPED IRON
- FOUND IRON
- SIGN
- LIGHT POLE
- UTILITY POLE

Site Location Map

PARKING LOT IMPROVEMENTS
LOT 12

CALL MISS DIG BEFORE YOU DIG
1-800-482-7171

1515-1
CE-02
1. Contractor shall conduct work in manner that avoids injury or damage to adjacent property or improvements, buildings, trees, shrubbery, pole lines, fences, guide posts, drainage structures, pavements, and other objects on or adjacent to the work site, that are not designated for removal, shall be protected from injury or damage. The contractor shall provide and install suitable safeguard to protect any object from injury or damage.

2. Contractors shall protect existing pavements and pavement edges against damage or marking from equipment with steel tracks and from equipment loaded in excess of strengths of pavements or pavement edges. Contractor shall restore any areas and routes to their original condition before final acceptance of the work.

3. Contractor is required to obtain all necessary permits for project from City of Detroit, Detroit Water and Sewer Department, and other departments having jurisdiction over work.

4. Contractor shall provide all barricades, construction fencing, signing, cones, warning flashers, etc. required by owner and government entities to maintain a safe and secure facility. It is contractor's responsibility to maintain barricades, fencing, etc. to a condition acceptable to owner and owner's representative.

5. Contractor shall backfill all excavations, site depressions, and other conditions as necessary with aggregate from existing pavement compacted to 95% modified proctor to achieve bottom of base grade elevations. Backfill of site shall be performed in a controlled manner in accordance with contract specifications. Contractor shall provide sufficient notice to owner and owner's representative to perform construction inspection and materials testing of material installation.

6. Contractor shall install ornamental fencing as detailed on construction drawings. Ornamental fence shall be approved by Wayne State University.

7. It is contractor's responsibility to ensure placement and compaction of backfill materials conform to contract specifications and construction drawings, including densities. Though the owner may choose to engage independent materials testing services during the site restoration phase of project, this in no way alleviates contractor from this responsibility.

8. Contractor shall provide owner with "as-built" site drawings upon completion of demolition and site restoration activities.

9. Contractor shall protect all existing utilities, structures, and trees to remain. Contractor shall, at his expense, replace any utility or structure damaged during construction.

10. Contractor shall be responsible for all electrical work for the project and site during construction in accordance with applicable electrical codes and provisions. Contractor shall conform to all site and parking lot standards established by project.
DETECTOR LOOP DETAIL

POLE BASE FOUNDATION DETAIL (TYPE 'F1')

LIGHTING CONTROL PANEL

DETAIL FOR FUTURE CONDUIT STUB-UP

ELECTRICAL PANEL MOUNTING

HANDHOLE DETAIL

NOTES:
A. VERIFY SIZE OF LOOP, SIZE OF WIRE AND NUMBER OF TURNS WITH DETECTOR SUPPLIER BEFORE INSTALLATION; LOOP WIRE TO BE CONTINUOUS WITHOUT SPLICES.
B. LEADIN (FEEDER) CABLE RUNS ARE LIMITED TO 100 FEET.
C. LOOP AND LEADIN CABLE SHALL BE LOCATED AT LEAST 18" FROM ANY ELECTRICAL POWER SERVICE OR RUNS, AND STEEL REINFORCING IF POSSIBLE.
D. LEADIN CABLE SHALL BE IN SEPARATE CONDUIT BETWEEN LOOP AND DETECTOR. IT MUST NOT SHARE CONDUIT WITH OTHER WIRING OR LEADS FROM OTHER LOOPS.
E. LOOP WIRE SHALL BE #14 THHN SINGLE CONDUCTOR STRANDED WIRE.
F. LEADIN (FEEDER) CABLE SHALL HAVE TWO #14, 600 VOLT, INSULATED, STRANDED CONDUCTORS WITH AN OVERALL MYLAR/ALUMINUM SHIELD AND DRAIN WIRE. THE JACKET SHALL BE HIGHLY MOISTURE AND WEATHER RESISTANT BLACK POLYETHYLENE.
G. COORDINATE INSTALLATION WITH GENERAL CONTRACTOR.

Sawcut pavement 1/4" wide by 1 1/2" deep on slab on grade. Install (4) turns of #14 THHN and fill slot with 3M detector loop sealant or an approved equivalent.
Alternate No. 4