WANE STATE UNIVERSITY
Facilities Planning & Management - Design & Construction Services
5454 Cass Avenue Detroit, MI 48202

TIERNEY PARKING LOT
WSU PROJECT NO 505-281674

Date: October 17, 2016

5510 Woodward Avenue
Detroit, Michigan 48202

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PROJECT Location

North

Campus Site Plan

T-1
GENERAL NOTES:

EXCAVATION AND FIVE WORK
A. RUSH LABOR, EQUIPMENT AND MATERIALS NECESSARY TO COMPLETE THE REMOVAL AND IMPROVEMENT OF EXISTING PAVEMENT, PLACES AND COMPACT BACKFILL WHERE REQUIRED.

SITE CONDITIONS
A. REMOVE OR REPLACE ANY DAMAGES CAUSED DURING PROJECT WORK.

QUALITY ASSURANCE TESTING
A. ALLOW SUFFICIENT TIME DURING EARTHWORK OPERATIONS FOR THE ORDER TO PERFORM THE NECESSARY FIELD TESTS.

EQUIPMENT
A. REQUIRE THE CONTRACTOR SHALL USE APPROPRIATE EQUIPMENT TO PROTECT DAMAGE TO THE EXISTING SITE AREAS THAT ARE DESIGNATED TO REMAIN. ANY DAMAGE TO THE ADJACENT AREAS MODIFIES SITE TO ORIGINAL CONDITIONS.

ALL MATERIALS
A. UNCLASSIFIED FILL MATERIALS IS SAND GRAVEL.

CONTROL OF WATER
A. KEEP EXCAVATIONS FREE FROM THE EXCESS WATER EXCAVATING.

COMPACTS STANDARDS
A. ALL MATERIAL WITH A 90 IN COMPACT.

CAST IN PLACE CONCRETE
A. DESCRIPTION OF WORK
1. PROVIDE ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT NECESSARY TO COMPLETE THE CONSTRUCTION OF PORTLAND CEMENT CONCRETE PLACEMENT, SCAFFOLDS, CURB AND GUTTER WORK AS SHOWN ON THE DRAWINGS.

CONCRETE MIX DESIGN
A. PROVIDE MIX DESIGN FOR USE REVIEW FOR OWNER PRIOR.

INFILLING MATERIALS
A. REFERENCES
1. AASHTO STANDARD TEST METHOD FOR DETERMINATION OF ASPHALT IN 1994.
2. AASHTO STANDARD SPECIFICATIONS FOR CRUSHED AGGREGATE FOR INFILLING PLAYING FIELD 1994.

QUALITY OF SERVICE
A. OBTAIN MATERIALS FROM SAME SOURCES THROUGHOUT.

ENVIRONMENTAL REQUIREMENTS
A. DO NOT PLACE ASPHALT WHEN AMBIENT AIR OR BASE SURFACE TEMPERATURE IS LESS THAN 60°F OR SURFACE IS SET OF FROZEN.
B. COMPLY WITH MICHIGAN.

MATERIALS
A. BLENDING AGGREGATE FOR 100% ASPHALT (100%)
1. COARSE AGGREGATE COMPLYING WITH ASH D703 AND ASH D551
2. FINE AGGREGATE COMPLYING WITH ASH D624 AND ASH D613
3. PROVIDE AGGREGATE BLEND THAT COMPLIES TO THE APPLICABLE REQUIREMENTS OF TABLE A-COMPOSITION OF INFILL MIXTURES AND TABLE B-ASPHALT DESIGN CRITERIA.
5. ASPHALT BLEND IN 1994.
9. CUT BACK ASPHALT BLEND AND ASPH D551 OR ASPH D613 OR ASPH D624.
SCOPE OF WORK:

A. CONTACT HS DS PRR TO ANY HARD OR MACHINE DIGGING OR TRENCHING.
B. INSTALL NEW PARKING EQUIPMENT AT FERRY STREET DRIVEWAY WITH DRAWS AND ELECTRICAL SERVICE FROM BASEMENT ROOM AS NOTED.
C. INSTALL EXTENDED GATE ARM WITH SUPPORT LEG FOR 6'- 8' OPENING.
D. DOWNSIZE EXISTING ASPHALT DRIVEWAY AND TRENCH GREENSPACE AS NEEDED FOR NEW CEMENT PLATES LOCATED IN FRONT OF NEW EQUIPMENT.
E. REMOVE ALL WATER FROM TRENCH BEFORE INSTALLATION OF CONDUIT. INSURE ALL CONDUCT CONNECTIONS ARE WATER TIGHT. CREATE A WATER-TIGHT SEAL AT BASEMENT WALL AROUND CONDUIT.
Trench green space and saucet exit drive way
To provide conduit for data and power from
Terry house basement to new concrete
center parking and connect.
Restore green space and asphalt
to like new conditions.

Buron conduit data + electrical
Conduit - 1 1/2" ea.
Phone buzzer line to lobby
reception desk

REFER TO SHT R-3 FOR
ELECTRICAL AND EQUIPMENT
LAYOUTS.

Ferry Street - Electrical Power & Control Conduit

EQUIPMENT KEY:

AMG-3000 SERIES ENTRY TICKET DISPENSER

AMG-4000 SERIES EXPRESS-PARC EXIT STATION

USU 'ONE CARD' READER / EQUIPMENT ENCLOSURE

RFID READER W/ 'SIDE FIRE'
GOOSENECK STAND

AMG-1150 BARRIER
GATE OPERATOR

General Notes:
1. Keep Conduit inside a maximum of 3' above island surface.
2. Conduits must be clustered at center of equipment locations
   unless otherwise indicated.
3. All power conduits and wires must be kept a minimum of
   1' from detection loops.
4. Leave a gap of cable at equipment locations.
5. Concrete islands must be level under equipment locations.
6. Lane traffic delineations are by others.
7. All power runs shall have hot, neutral, and ground conductors.
8. Concrete driveway, concrete island at ferry street entrance
   and provide 1' 1/2 ea. conduit for electrical and data.
9. Gate and parking equipment is by others.
10. Install underground conduit 18' below finish grade, minimum,
    unless noted otherwise.
11. Data and electrical conduit + phone buzzer line at ferry
    entrance shall run from the proposed parking island into the
    basement electrical room Rm# 1 and to lobby reception
    desk (each one respectively).
12. Data connection (cat 5 e) jack terminates at proposed
    parking island for one card reader at woodward exit.
13. Conduit run from parking island through basement and up
    to the first floor reception desk for intercom / buzzer.

Detail - Buried Conduit

TYPICAL DEPTH - 18" BELOW GRADE - U.G, N.