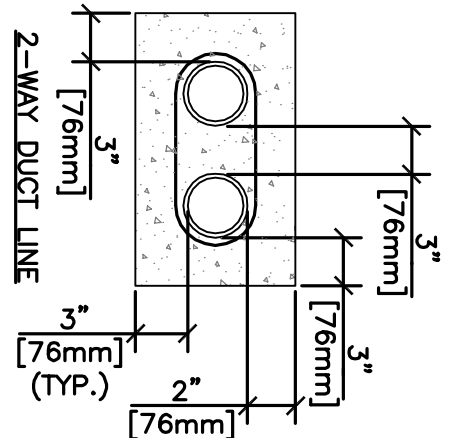


WADE PARK - CAMPUS ELECTRICAL SITE PLAN

1

- DUCT BANK NOTES:
1. CONCRETE SHALL BE 2000 P.S.I. @ 28 DAYS, OR AS SPECIFIED.
 2. PROVIDE REINFORCING RODS ON TOP AND BOTTOM OF DUCTS WHEN CROSSING OR PLACED IN ROADWAYS.
 3. MINIMUM COVER TO TOP OF ENVELOPE SHALL BE 24" (610mm).
 4. INNERDUCT QUANTITY AND SIZE AS INDICATED ON PLANS.



4

DUCT BANK DETAIL

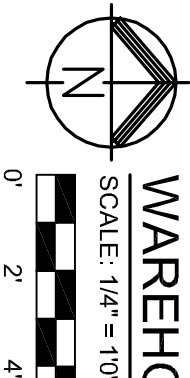
NOT TO SCALE

SITE PLAN GENERAL NOTES:

1. ALL SITE CONDUITS SHALL BE 18"-30" BELOW GRADE AND SHALL BE SCHEDULE 80 PVC CONDUITS (NMI, 1" TO UNLESS OTHERWISE NOTED). CONDUITS INSTALLED UNDER PAVED AREAS SHALL BE ENCASED IN CONCRETE - 3" MINIMUM COVER PER THE NEC SECTION 300.5.
2. PROVIDE #8 AWG WIRING FOR ALL NEW SITE LIGHTING BRANCH CIRCUIT WIRING.
3. PROVIDE ALL TRIPPING, BACKFILL, SAW CUTTING, ETC. NECESSARY TO INSTALL NEW CONDUITS. PROVIDE ALL NECESSARY BACKFILL, GRAVEL, GRASS, CONCRETE, ASPHALT, ETC. TO RESTORE AREA TO EXISTING CONDITION.
4. NEW ELECTRICAL CONDUIT LINES SHALL CROSS STORM SEWERS, GAS AND WATER LINES AT PERPENDICULAR ANGLES AND SHALL NOT RUN ADJACENT TO THEM AT ANY TIME.
5. MAINTAIN 12" SEPARATION BETWEEN ELECTRICAL CONDUITS AND TELEPHONE LINES.
6. EXISTING UNDERGROUND UTILITY AND BRANCH CIRCUITS ARE SHOWN AT APPROXIMATE LOCATIONS FOR HAND DIGGING PRIOR TO ANY EXCAVATION.
7. CONTRACTOR SHALL REPAIR ANY GROUND SYSTEM, IRRIGATION, POTENTIAL WATER, GAS LINES, ETC. DAMAGED WHILE EXCAVATING AND RESTORE SYSTEMS TO EXISTING CONDITION.
8. THE CONTRACTOR SHALL NOTIFY Ohio Utilities Protection Service AT 1-800-362-2724 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATING TO INSURE THE PUBLIC UTILITIES WILL NOT BE DAMAGED BY CONSTRUCTION WORK. MAKE ANY ADDITIONAL NOTIFICATIONS TO OTHER UTILITY SERVICES AS REQUIRED.
9. CONDUITS SHALL BE RIGID ALUMINUM AT ABOVE GROUND EXTERIOR LOCATIONS.
10. REFER TO SPECIFICATIONS FOR ANY ADDITIONAL REQUIREMENTS.

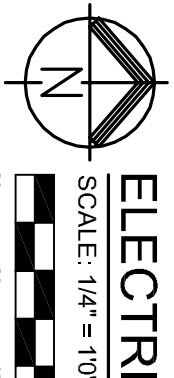
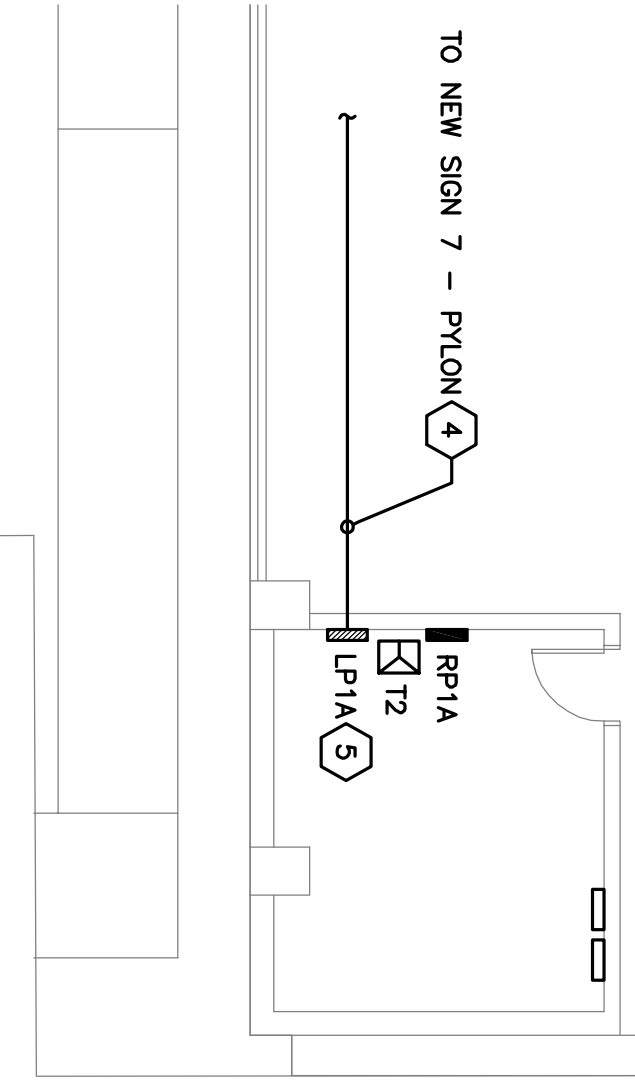
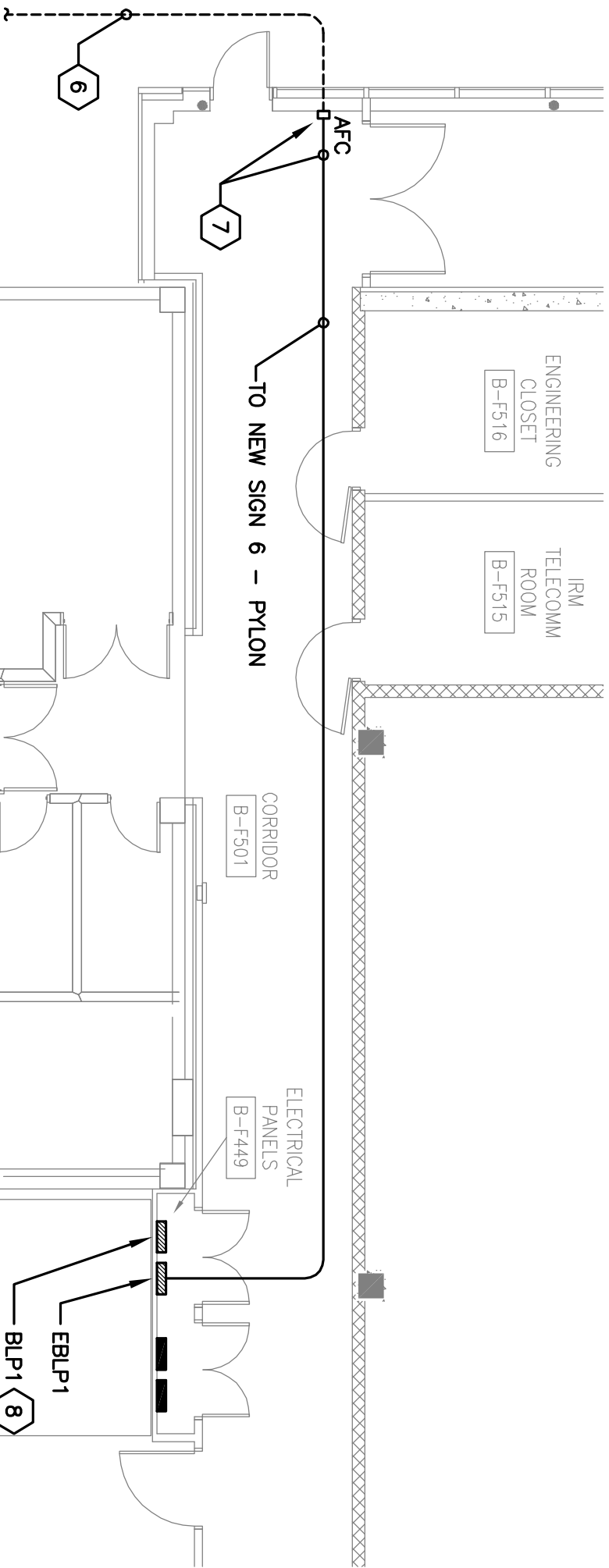
SITE PLAN CODED NOTES:

1. EXISTING SIGNAGE TO BE DISCONNECTED BY ELECTRICAL CONTRACTOR. MAINTAIN CIRCUIT AND CONNECT TO NEW LED BACKLIT SIGNAGE AT SAME LOCATION. PROVIDE ALL JUNCTION BOXES, EXTENSIONS, CONDUIT, CONDUIT AND JUNCTION BOX LOCATIONS WITH ALL TRADES AND NEW CONCRETE WHILST VERIFY EXACT VOLTAGE IN FIELD AND COORDINATE LED DRIVER VOLTAGE AND CONNECTION REQUIREMENTS WITH SIGNAGE MANUFACTURER. CONTROLS SHALL BE PROVIDED BY SIGNAGE PROVIDER.
2. CONNECT NEW LED BACKLIT SIGNAGE AT NEW LOCATION. PROVIDE ALL JUNCTION BOXES, CONDUITS, WIRING, ETC. AS NECESSARY TO CONNECT THE NEW SIGNAGE COMPLETE. VERIFY EXACT VOLTAGE IN FIELD AND COORDINATE LED DRIVER VOLTAGE AND CONNECTION REQUIREMENTS WITH SIGNAGE MANUFACTURER.
3. PROVIDE (2) 2" PVC 80 TYPE UNDERGROUND CONDUITS (1 IS SPARE) BELOW EXISTING ROADWAY. CONDUITS OUTLINE AND PITCHING OF ROADWAY WITH ARCHITECTURAL DRAWINGS AND GENERAL CONTRACTOR. REFER TO DUCTBANK DETAIL #4.
4. PROVIDE 18"x3"x3/4" NEMA 3P PULLEX AND RIGID ALUMINUM CONDUIT FROM PULLEX TO PARKING GARAGE ELECTRICAL ROOM PANELBOARD 1P1A FOR POWER CONNECTION TO Pylon 7. VERIFY EXACT LOCATION OF PULLEX BOX AND CONDUIT ROUTING IN FIELD WITH VAC CORP. PROVIDE WATER-TIGHT SEAL ON PULLEX BOX. PENETRATIONS AND PULO CONDUIT OPENING AFTER CABLES ARE PULLED. LABEL PULLEX Pylon #7 POWER.
5. EXISTING PANELBOARD 1P1A - 480/277V-3P-4W IN PARKING GARAGE ELECTRICAL ROOM. CONTRACTOR PANELBOARD VIA 1.5C - 2#10 & 1#10G. PROVIDE UPDATED TYPED PANELBOARD SCHEDULE.
6. PROVIDE (1) 1.5" PVC 80 TYPE UNDERGROUND CONDUIT A MINIMUM 36" BELOW GRADE FROM EXISTING GRADE TO NEW Pylon 6 LED LIGHTING FIXTURE. PROVIDE DETECTABLE WARNING TAPE 12" BELOW GRADE.
7. PROVIDE 3/4"x3/4"x1/2" PULLEX APC AND CONDUIT FROM PULLEX TO BASEMENT LAB. PROVIDE WATER-TIGHT SEAL ON ALL WALL PENETRATIONS AND PULO CONDUIT OPENING AFTER CABLES ARE PULLED. LABEL PULLEX Pylon #6 POWER.
8. EXISTING PANELBOARD 1B1P1 - 480/277V-3P-4W IN BASEMENT LAB WAREHOUSE ELECTRICAL ROOM. B-F448 CONTRACTOR SHALL CONNECT NEW Pylon 6 LED LIGHTING FIXTURE TO SPARE 20A-1P BREAKER IN EXISTING PANELBOARD VIA 1.5C - 2#10 & 1#10G. PROVIDE UPDATED TYPED PANELBOARD SCHEDULE.



ENLARGED BASEMENT LAB WAREHOUSE ELECTRICAL ROOM

2



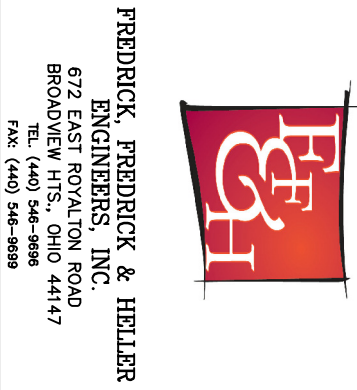
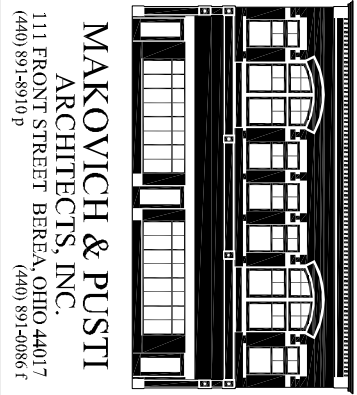
ENLARGED PARKING GARAGE ELECTRICAL ROOM

3

CONSULTANTS:

FINAL CD SUBMISSION	09/24/12
REVISIONS:	DATE

ARCHITECT/ENGINEERS:



WADE PARK - CAMPUS ELECTRICAL SITE PLAN

Approved Project Director

Location	10707 EAST BLVD, CLEVELAND, OHIO 44106
Checked By	TAG
Drawn By	JDM
Date	09-24-12

Project Number 541-12-120

Building Number 1

FULLY SPRINKLERED

Office of Construction and Facilities Management

