Addendum #1

Des Moines Public Schools
Project: Smouse Elementary Site Lighting Upgrade
Project Number: 20-066
Date: August 21, 2020

NOTE: This addendum has been issued to modify and/or interpret the bidding documents, including the drawings and specifications. Unless otherwise instructed, the information contained on the addendum shall take precedence over anything contrary on the original bidding documents and shall be hereinafter considered as a party of the bidding documents.

General Clarification/Contractor Questions

1. Where directional boring is required, would it be ok with DMPS if we core drill and pothole areas in the existing parking lot to locate utilities?
   A. DMPS agrees with this solution.

2. General note G on sheet E1.0 requires 1-1/2” conduit to all of the site lighting fixtures. Is 1-1/2” conduit required inside the building as well? Or just exterior/underground?
   A. The 1-1/2” conduit shall be for exterior/underground installation. Smaller conduit, sized for number of conductors per NEC, may be installed interior to the building.

3. What is last day to submit questions prior to the bid?
   A. Last day for questions in advance of the bid date will be Thursday August 27. If a final addendum is necessary it will be issued the morning of Friday August 28th.

Plans

Sheet E0.0 – Electrical Symbols, Details & Schedules

1. Lighting Fixture Schedule
   A. REVISE type ‘SC’ model number shall be: OSQ-A-NM-5ME-B-40K-UL-BZ / OSQ-DA-BZ.

2. Site Light Pole Foundation Mounting Detail – 6 inches exposed
   A. REVISE base detail as shown on attached drawing.

3. Site Light Pole Foundation Mounting Detail – 3 feet exposed
   A. REVISE base detail as shown on attached drawing.

Sheet E0.1 – Electrical Specifications

1. Section 26 5600 Exterior Lighting
   A. ADD precast pole base as acceptable option. Specifications shall be similar to pour in place option and base details included on the construction drawings.

Sheet E1.0 – Electrical Lighting Site Plan

1. Reference Notes
   A. CLARIFY note #6. Electrical contractor shall include photocell within bid. Further coordination with JCI may occur in construction to update controls. Final verification by Owner.

2. Site Plan
   A. REVISE location of Type SA at concrete walkway North of the school. Fixture shall move to the West side of the walkway. Existing damaged tree shall be removed by owner in new fixture location.

Attachments
EO.0.pdf, EO.1.pdf, E1.0.pdf, Pre-Bid Meeting Sign In.pdf
DIVISION 26
BASIC ELECTRICAL REQUIREMENTS

26 0000 GENERAL

26 0050 BASIC ELECTRICAL REQUIREMENTS

26 0500 ELECTRICAL MACHINERY

26 0533 RACEWAY AND BOXES

26 0550 CABLES

26 0560 WIRE MARKERS

26 0570 GENERAL ELECTRICAL WIRING

26 0580 PANELBOARDS AND DISCONNECTS

26 0581 SERVICE ENTRANCE AND SERVICE EQUIPMENT

26 0582 SERVICE AND FEEDER CIRCUIT BREAKERS

26 0583 FEEDER CIRCUITS

26 0584 DISTRIBUTION CIRCUITS

26 0585 BRANCH CIRCUITS

26 0586 LIGHTING CIRCUITS

26 0587 METER PANELS

26 0590 WIRING METHODS

26 0591 WIRING MATERIALS

26 0592 WIRING SYSTEMS

26 0593 MOUNTING SUPPORTS

26 0594 INSTALLATION

26 0595 GROUNDING

26 0596 FIELD QUALITY CONTROL

26 5600 EXTERIOR LIGHTING

26 5633 LIGHT FIXTURES

26 5637 FIXTURES

26 5650 LIGHTING SCHEDULE

26 6800 SITE LIGHTING UPGRADE

26 6833 LIGHT FIXTURES

26 6837 FIXTURES

26 6850 LIGHTING SCHEDULE

26 6855 LIGHTING SCHEDULE

26 6860 LIGHTING SCHEDULE
GENERAL NOTES:

A. UTILITIES SHOWN ARE INDICATED SCHEMATICALLY. CONTRACTORS SHALL VERIFY ALL DEPTHS AND ALL LOCATIONS/DIMENSIONS PRIOR TO EXCAVATING. ALL UTILITIES MAY NOT BE SHOWN.

B. ALL UNDERGROUND UTILITIES, PIPING, ETC. SHALL BE LOCATED EXACTLY BEFORE DIGGING.

C. ANY BACKFILL SHALL BE TAMPED AND COMPACTED TO PREVENT FUTURE SETTLING. ALL EXCESS DIRT SHALL BE CLEARED FROM THE AREA AND DISPOSED OF.

D. ELECTRICAL CONTRACTOR SHALL REPAIR ALL DISTURBED SURFACES SUCH AS SIDEWALKS, DRIVEWAYS, STREETS, GRASS, AND CONCRETE. REPLACE D SURFACES SHALL MATCH EXISTING.

E. CONTRACTOR IS RESPONSIBLE FOR DOING ALL WORK PER LOCAL RESPECTIVE UTILITY REQUIREMENTS.

F. COORDINATE LOCATIONS FOR ALL EXTERIOR SITE LIGHTING FIXTURES (TYPES SA, SB, & SC) WITH DESIGN TEAM PRIOR TO INSTALLATION. VERIFY WITH EXISTING LANDSCAPING. WHERE POLE BASES ARE LOCATED DIRECTLY ADJACENT TO EXISTING CURBING, POLE BASE SHALL BE LOCATED WITH A MINIMUM OF 3'-0" BETWEEN THE CURB AND THE CLOSEST EDGE OF THE CONCRETE POLE BASE.

G. TYPE SA, SB & SC SHALL BE SERVED BY 1'-1/2" CONDUIT AND (2) #8 AWG & (1) #10 AWG GROUND CONDUCTORS.

REFERENCED NOTES:

1. EXISTING PANEL "PC-AB" IS LOCATED IN BASEMENT ELECTRICAL/MECHANICAL ROOM. APPROXIMATE LOCATION SHOWN ON PLANS. PANEL IS SIEMENS 2015-VINTAGE 208Y/120V 3-PHASE PANELBOARD.

2. ELECTRICAL CONTRACTOR SHALL PROVIDE NEW CONDUIT AND CONDUCTORS FOR ALL NEW SITE LIGHTING. CONNECT NEW SITE LIGHTING TO NEW CIRCUIT BREAKER (20A-2P) ON EXISTING PANEL "PC-AB". REFER TO SPECIFICATION SECTION 260923 FOR ADDITIONAL INFORMATION ON NEW CONTROLS.

3. ELECTRICAL CONTRACTOR SHALL CONNECT NEW EXTERIOR WALL PACK FIXTURES TO EXISTING CIRCUIT SERVING LIGHTING IN NEARBY CLASSROOM. REFER TO LIGHTING FIXTURE SCHEDULE FOR NEW CONTROLS.

4. BUILDING CONTROLS CONTRACTOR SHALL PROVIDE (2) TWO POINTS TIED BACK TO METASYS TO TURN SITE LIGHTING ON/OFF REMOTELY. ELECTRICAL CONTRACTOR SHALL INCLUDE COST IN BID FOR JCI SCOPE OF WORK.

5. ELECTRICAL CONTRACTOR SHALL REMOVE EXISTING WALL SCONCE AND INSTALL NEW FIXTURE IN ITS PLACE. CONNECT TO EXISTING CIRCUIT AND CONTROLS.

6. ELECTRICAL CONTRACTOR SHALL PROVIDE LIGHTING CONTACTOR(S) AND EXTERIOR-RATED PHOTOCELL FOR ALL POLE FIXTURES. COORDINATE INSTALLATION WITH BUILDING CONTROLS CONTRACTOR TO MATCH EXISTING OWNER'S STANDARDS FOR EXTERIOR LIGHTING CONTROL. PHOTOCELL SHALL BE MOUNTED ON ROOF, COORDINATE LOCATION WITH ENGINEER PRIOR TO ROUGH-IN.

7. ELECTRICAL CONTRACTOR SHALL BORE THIS PATH FOR ROUTING CONDUITS.

8. ELECTRICAL CONTRACTOR SHALL VERIFY ROUTING OF CONDUIT FROM BASEMENT ELECTRICAL ROOM TO FIRST LEVEL EXTERIOR WALL. ROUTE CONDUIT DOWN EXTERIOR WALL AND ROUTE TO NEAREST POLE FIXTURE BELOW GRADE. CONFIRM WITH DESIGN TEAM PRIOR TO ROUGH-IN.

9. POLE LOCATION SHALL UTILIZE POLE BASE DETAIL 1/E0.0 WITH 6" MIN EXPOSED CONCRETE ABOVE GRADE.

10. POLE LOCATION SHALL UTILIZE POLE BASE DETAIL 2/E0.0 WITH 3'-0" MIN EXPOSED CONCRETE ABOVE GRADE.

11. EXISTING FIXTURE SHALL REMAIN. PRESERVE CIRCUIT AND CONTROLS.
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