ADDENDUM NO. 2

To the Contract Documents
for
BID NO. 2122-858C

SITE WORK & UTILITY CONNECTIONS
FOR
PARKSIDE MODULAR RESTROOM

NOVEMBER 15, 2021

The following changes, corrections, clarifications, additions, or deletions, shall become part of the Contract Documents dated for the project named above. All other conditions of the Contract Documents shall remain the same. The bidders shall be responsible for transmitting this information to all affected subcontractors and suppliers of all tiers prior to the closing of bids.

Acknowledge receipt of Addendum Number 2 in the appropriate spot on the Bid Form.

BID FORM(S) REPLACED: NO

1. No.

REVISIONS TO BIDDING REQUIREMENTS

1. None.

RESPONSE TO BID RFI

1. Is this requiring PLA or PSA?
   
2. How much is the engineering estimate?
   A: There is no engineering estimate on this project.

3. Just to be clear we are not installing a fire alarm correct?
   A: Incorrect, the awarded contractor will be required to install a fire alarm after DSA approval as explained in the plan documents.

4. Our responsibility is only the underground utilities and landing them for someone else to do the connections correct?
   A: Incorrect, you will be connecting the restroom trailer to the new utility stub-ins you will be providing.

### RESPONSE TO SUBSTITUTION REQUESTS

1. None.

### REVISIONS TO SPECIFICATIONS

1. None.

### REVISIONS TO DRAWINGS

1. Replace in its entirety Attachment 1: Parkside Modular Restroom Additional Documents

### ATTACHMENTS

Revised Attachment 1 Parkside Modular Restroom Additional Documents

### END OF ADDENDUM NO. 2
ATTACHMENT 1

Revised 11/15/2021
Parkside Modular Restroom Additional Documents includes the following:

- Scope of Work (Utilities)
- Modular Unit Layout
- Fire Alarm Notes
Parkside Modular Restroom Plan: Scope of Work (Utilities)

**KEY**

- New Asphalt
- New Fencing
- New Cold Water Line
- New Sewer Line
- New High Voltage Line (100A)
- New Fire Alarm Line (Connect to existing junction in Modular A)

**PLAN NOTES:**

1. **NOTE:** SITE SURVEY, DIG ALERT AND UNDERGROUND UTILITY INVESTIGATION IS RESPONSIBILITY OF THE GENERAL CONTRACTOR

2. **ARCHITECT TO MAP PLACEMENT OF MODULAR UNIT PER SEPARATE SURVEY (NOT IN SCOPE)**

- Trench 24” deep, install new 1” water line from existing cold water connection as marked to modular unit. Backfill and pave 3” AC over 4” base.
- Trench 24” deep, install new 4” sewer line. Tap into existing sewer as marked. Connect new sewer line to modular unit. Backfill and pave 3” AC over 4” base.
- Trench 24” deep, install new high voltage electrical service and connect to new 100A Panel provided on modular unit. New asphalt to cover backfilled trench.
- Trench 24” deep, install new low voltage fire alarm line(s) in conduit. Install new fire alarm system per plan on pages 3 and 4.
- Install new asphalt pad, approximately 80’ x 40’ - 3” AC over 4” base.
- Demolish existing fencing to allow for installation of modular restroom. Install new 6” fencing on perimeter of new asphalt area to match existing.
MODEL "X" 12x40 NEW RESTROOM B/G/S/S
FIRE ALARM GENERAL NOTES:


2. FIRE ALARM CABLE SPLICES IN UNDERGROUND PULL BOXES ARE ABSOLUTELY PROHIBITED.

3. ALL FIRE ALARM CONDUIT SHALL BE 3/4" PVC UNLESS NOTED OTHERWISE. ALL FIRE ALARM CONDUCTORS SHALL BE INSTALLED IN AN APPROVED RACEWAY.

4. ALL CONDUCTORS SHALL BE THWN (WET) 600V. USING #12, AWG. FOR ALL VISUAL FA DEVICE POWER CIRCUITS UNLESS NOTED OTHERWISE.

5. ALL CONDUCTORS SHALL BE 12/2 SHIELDED PAIR FOR ALL AUDIBLE FA DEVICE POWER CIRCUITS UNLESS NOTED OTHERWISE.

6. ALL CONDUCTORS SHALL BE USING #16 TWISTED PAIR FOR ALL INITIATION CIRCUITS UNLESS NOTED OTHERWISE ALL UNDERGROUND CONDUCTORS SHALL BE WEATHERPROOF RATED.

7. COLOR CODING OF CONDUCTORS AS RECOMMENDED BY MANUFACTURERS REPRESENTATIVE AND AS INDICATED BELOW:

   \[ \begin{align*}
   \text{Fire Alarm Smoke/Heat} & : (1) \text{Lt. Blue (Neg.)}, (1) \text{Yellow (Pos.)} \\
   \text{Fire Alarm Audible} & : (1) \text{Black (Neg.)}, (1) \text{Red (Pos.)} \\
   \text{Fire Alarm Visual} & : (1) \text{Grey (Neg.)}, (1) \text{Pink (Pos.)}
   \end{align*} \]

8. ALL CONDUCTORS INSTALLED IN UNDERGROUND CONDUIT SHALL BE AQUA RATED.

9. INSTALLATION OF THE SYSTEMS DEVICES SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATION, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM SHALL BE MADE IN THE PRESENCE OF D.S.A. PROJECT INSPECTOR.


11. A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE SITE AND USED FOR INSTALLATION.


13. D.S.A. ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND/OR TESTING.

14. ALL PENETRATIONS THROUGH RATED ASSEMBLIES, REQUIRING OPENING PROTECTION SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED WITHIN C.B.C. CHAPTER 7, UL OR OTHER LAB TESTING CRITERIA, APPROVED TYPE OF MATERIALS SHALL BE IDENTIFIED WITHIN THE SPECIFICATION WITHIN THE FIRE ALARM SECTION.

15. WALL MOUNTED VISUAL NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80" MINIMUM AND 96" MAXIMUM FROM FINISHED FLOOR.

16. WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER THAN 6" TO A HORIZONTAL STRUCTURE.

17. AUDIBLE DEVICES TO BE LEAST 15 DBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL BUT NOT LESS THAN 75 DBA AT 10 FEET OR MORE THAN 110 DBA AT THE MINIMUM HEARING DISTANCE SOUND LEVEL SHALL BE MAINTAINED FOR DURATION OF AT LEAST 60 SECOND 5 DBA MUST BE MAINTAINED.

18. THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.

19. VISUAL DEVICES SHOULD NOT EXCEED 2 FLASHES PER SECOND AND SHOULD NOT BE SLOWER THAN 1 FLASH EVERY SECOND. THE DEVICE SHALL HAVE PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELA VISUAL DEVICES WITHIN 55 FROM EACH OTHER SHALL BE SYNCHRONIZED.

20. UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATERTIGHT FITTINGS AND WIRE TO BE APPROVED FOR WET LOCATION.

21. ALL FIRE ALARM WIRING SHALL BE FLP OR FPLP (FIRE PROOF LIMITED PLACEMENT) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE THWN OR THWN.

22. PER C.E.C. STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DONOT SPLICE THE WIRE THERE MUST BE AT LEAST 6" OF LEAD WIRE FROM THE BOX TO THE DEVICE. ALL BOXES TO BE SIZED PER CEC.

23. ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT SURFACE RACEWAY OR OPEN RUN CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTECTED MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN ACCEPTED BY THE OWNER AND SHOWN AS EXPOSED CIRCUITS ON DESIGN DOCUMENTS.

24. FIRE ALARM PANEL, REMOTES AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACE PER MANUFACTURER'S SPECIFICATION, NO SINGLE DEVICE SHALL EXCEED THE WEIGHT OF 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.

25. A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPMENT. THIS CIRCUIT SHALL BE ENERGIZED FROM COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS THE BREAKER SHALL HAVE RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "OFF" POSITION THE CIRCUIT BREAKER SHALL BE LABORATORY MARKED "FIRE ALARM CIRCUIT CONTROL" CIRCUIT ID TO BE LABELED AT FIRE PANEL EXTINGUIHERS.

26. THE INSTALLING CONTRACTOR SHALL PROVIDE A RECORD OF COMPLETION PER N.F.P.A. 72, FIGURE 10.18.2.1.1.

27. THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER C.B.C. SECTION 901.6.2.

28. SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDS CORRECT SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.

29. OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT OR PROVISIONS

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<tr>
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<th>WATTAGE CALCULATIONS</th>
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** TOTAL SPEAKER WATTAGE: **

- NEW 50 WATT AMPLIFIER: 45.0 WATTS
- ** SPARE: 45.5 WATTS**

** DENOTES SPEAKER WATTAGE
### FIRE ALARM PLAN NOTES:

1. **3/4"C. (1) #16 TWISTED PAIR.**
2. **3/4"C. (1) #16 TWISTED PAIR, (2) 12/2 SHIELDED PAIR & 4 #12 THWN.**
3. **3/4"C. (1) #16 TWISTED PAIR AND (2) 12/2 SHIELDED PAIR.**
4. **3/4"C. (2) 12/2 SHIELDED PAIR.**
5. **1"C. (1) #16 TWISTED PAIR, (1) 12/2 SHIELDED PAIR AND 2 #12 THWN.**
6. **3/4"C. (1) #16 TWISTED PAIR AND 4 #12 THWN.**
7. **6"x6"x4" NEMA 3R MOUNT AT +18" A.F.F. WITH EXPOSED CONDUIT UP WALL W/ ENTRY ABOVE INTERIOR CEILING.**

### SPECIAL FIRE ALARM NOTES:

1. ALL DEVICE SHOWN ON THIS FIRE ALARM RISER DIAGRAM ARE NEW UNLESS NOTED OTHERWISE.
2. SEE ELECTRICAL SITE PLAN AND FLOOR PLANS FOR ALL DEVICES, LOCATION, CONDUIT AND CONDUCTOR REQUIREMENTS.

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<th>SYMBOL</th>
<th>MANUFACTURER &amp; MODEL</th>
<th>DESCRIPTION</th>
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<td>F377</td>
<td>FCI E3 SERIES COMBINATION FIRE/MNS WITH NGA AND IPGSM-4G</td>
<td>NEW VOICE EVACUATION FIRE ALARM CONTROL HANDSET PANEL WITH GRAPHIC DISPLAY AND WIRELESS UDACT DIALER</td>
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<td>FCI ASD–PL3 W/ B501</td>
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