SECTION 00 9111

ADDENDUM NUMBER 1

PARTICULARS:

DATE: May 19, 2022

PROJECT: Johnson County Conservation – Kent Park Campground Shower House

PROJECT NUMBER: 4217340

OWNER: Johnson County Conservation Board

ARCHITECT: Shive-Hattery, Inc.

TO: PROSPECTIVE BIDDERS:

THIS ADDENDUM FORMS A PART OF THE BIDDING AND CONTRACT DOCUMENTS AND MODIFIES THE BIDDING DOCUMENTS DATED 04-26-2022, WITH AMENDMENTS AND ADDITIONS NOTED BELOW. THIS ADDENDUM SUPERSEDES AND SUPPLEMENTS ALL PORTIONS OF THE ORIGINAL BIDDING AND CONTRACT DOCUMENTS WITH WHICH IT CONFLICTS.

ACKNOWLEDGE RECEIPT OF THIS ADDENDUM IN THE SPACE PROVIDED IN THE BID FORM. FAILURE TO DO SO MAY DISQUALIFY THE BIDDER.

GENERAL CLARIFICATIONS

1. Shive-Hattery's Cost Opinion Summary is available for review.

CHANGES TO THE SPECIFICATIONS

Section 08 1216 Aluminum Door Frames

2. **DELETE** paragraph 1.1.A.

3. **REVISE** paragraph 1.1.B to read as follows: B. Aluminum frames for doors specified in Section 08 1613 – Fiberglass Doors.

4. **DELETE** paragraph 1.1.D.

5. **ADD** Alpha Aluminum Architectural Products: www.alpha-alum.com as an acceptable manufacturer in paragraph 2.1.A.

Section 08 1613 Fiberglass Doors

6. **REVISE** paragraph 1.1.A to read as follows: A. Fiberglass reinforced plastic (FRP) doors for installation in aluminum frames.

7. **REPLACE** paragraph 2.1.A with the following:

   A. Molded Fiberglass Doors:

      1. ChemPruf Door Company, Ltd: www.chem-pruf.com.

2. Tiger Door: www.tigerdoor.com.
3. Special-Lite: www.special-lite.com.
4. Phoenix Door Systems: www.phoenixdoorsystems.com.
5. Corrim Company: corrim.com.
6. Substitutions: See Section 01 6000 - Product Requirements.

Section 23 3113 Metal Ducts

8. **ADD** the following to 2.2.A "Aluminum for Ducts: ASTM B209 (ASTM B209M); aluminum sheet, alloy 3003-H14 Aluminum Connectors and Bar Stock: Alloy 6061-T651 or of equivalent strength."
9. **CLARIFY** exhaust ductwork shall be 16 gauge aluminum.

Section 23 3300 Air Duct Accessories

10. **CLARIFY** motorized dampers shall be fully insulated blades, aluminum construction with permanently lubricated steel bearings.

Section 23 7500 Heat Pumps

11. **CLARIFY** 2.3.A: A 4" base rail is acceptable in lieu of a 6" Base rail.
12. **CLARIFY** 2.8: Controls are by others. Manufacturer to provide contacts for integration into controls.

Section 31 2310 Structure Excavation and Backfill

13. **ADD** section to specifications.

CHANGES TO THE DRAWINGS

M1.02 – SITE ELECTRICAL PLAN

14. REPLACE sheet in its entirety.

R1.03 – ENLARGED ELECTRICAL SITE DEMOLITION

15. REPLACE sheet in its entirety.

Z1.01 – ELECTRICAL POWER PLANS

16. REPLACE sheet in its entirety.

Z1.02 – ELECTRICAL LIGHTING PLANS

17. ADD Edison Price SHW as approved equivalent to light fixture L1 in the Light Fixture Schedule.

18. ADD Hubbell OMNIDT as approved equivalent.

SUBSTITUTION REQUESTS

SECTION	ITEM	SUBSTITUTION AND/OR APPROVED EQUAL
08 4313	Aluminum-Framed Storefronts	Tubelite T14000 Series Storefront
23 3300	Motorized Dampers	Tamco 9000 series
23 3300	Dampers	Enertech
23 3300	Dampers	Anemostat
23 3700	Diffusers Registers and Grilles	Anemostat
23 3700	Grilles, Registers and Diffusers	Tuttle & Bailey

ATTACHMENTS: Pre-Bid Sign-In Sheet, Pre-Bid Meeting Agenda, Cost Opinion Summary, 31 2310 Structure Excavation and Backfill, M1.02, R1.03, Z1.01

PREPARED BY: SHIVE-HATTERY, INC.

I hereby certify that the portion of this technical submission described below was prepared by me or under my direct supervision and responsible charge. I am a duly Licensed Architect under the laws of the State of Iowa.

Richard C. Cleaveland

Printed or typed name:

May 19 2022 12:42 PM

Signature: Date

License Number: 6537

License Expires: 6/30/2022

Pages, Sheets, or Divisions covered by this seal: Addendum #1

END OF ADDENDUM NUMBER 01

SHIVEHATTERY
ARCHITECTURE + ENGINEERING

JOHNSON COUNTY CONSERVATION
KENT PARK CAMPGROUND SHOWERHOUSE
PRE-BID MEETING AGENDA

PROJECT: JOHNSON CC – KENT PARK CAMPGROUND SHOWERHOUSE

OWNER: JOHNSON COUNTY CONSERVATION

MEETING DATE: May 10, 2022

TIME: 10:00 AM

MEETING LOCATION: Kent Park 2048 Highway 6 NW
Oxford, IA 52322
Conservation Education Center

ITEMS:

A. Introductions

1. Client: Johnson County Conservation staff in attendance
2. Shive-Hattery: Shive-Hattery staff in attendance
3. Attendees: Please sign the sign-in sheet

B. Project Scope:

1. The general nature of the work is as follows: Johnson County Conservation Board seeks to improve the Kent Park campground by providing a new campground building and associated site improvements. The project includes selective structure and site demolition, strategic grubbing of tree stumps and roots, new site utilities and modifications/connections to existing systems, new paved surfaces for vehicle and pedestrians, a new septic system with lateral field, solar array, areas to be prepared for landscaping, tree planting, and construction of a new campground Showerhouse building and separate woodshed building. The project includes construction in an environmentally sensitive area of Kent Park. Accommodations to provide access to the adjacent campground will be required including early phasing of proposed road connections before existing roads are removed.
2. Staging area, and temporary facilities and controls.

C. Substitute Products

1. Contractor, supplier, or manufacturer providing products other than the basis of design shall bear cost of required modifications to spaces, services, utilities, and other features as result of accepting substitute products, including but not limited to:
    a. Larger capacity mechanical or electrical service, devices or utilities resulting from acceptance of product for bidding purposes.
    b. Modification to pipes, conduits, ducts, and controls for conveying, distributing, and controlling those services or utilities.
    c. Modification to insulation, wrappings, coatings, or other integral features of lines or items conveying those lines.
    d. Design fees associated with changes.

Shive-Hattery | 4125 Westown Parkway | Suite 100 | West Des Moines, IA 50266 | 515.223.8104 | fax 515.223.0622 | shive-hattery.com

e. Submit any Product Substitutions no later than **3:00 PM on Wednesday May 18, 2022**. Email them to CLindell@shive-hattery.com.

D. Documents

1. Plans and Specifications dated April 26, 2022.
2. Addendum(s) to be issued as needed. Last addendum to be issued no later than May 19, 2022 by 12:00 PM.

E. Bid Submission

1. Date: May 24, 2022
2. Time: 1:00 PM
3. Location: Kent Park Conservation Education Center, 2048 Highway 6 NW, Oxford, IA 52322.
4. Faxed or telephonic bids will not be accepted.

F. Contract Bidding Requirements

1. Addendum will be issued: On or before May 19, 2022.
2. Addenda acknowledgement: Must acknowledge all addenda on bid form.

G. Construction Duration

1. Submittals may start as soon as the contract is awarded. The work must commence upon executed agreement (on or about June 14, 2022).
2. The work must be substantially completed by April 1, 2023.
3. The work must reach final completion by May 1, 2023.

H. Project Communication

1. Use of Newforma for submittals/RFIs/change order requests.
2. Cara Lindell is serving as the Project Coordinator for Shive-Hattery and email correspondence should go directly to her. Cara's email is CLindell@shive-hattery.com.

I. Questions/Comments/Clarifications

J. Tour of Project Area

Prepared by Shive-Hattery, Inc.
4/26/2022
Johnson County Conservation - Kent Park Campground Showerhouse Implementation
Summary Opinion of Probable Cost for Construction

	Base Bid	Alternate A	Alternate B
Total Estimated Lump Sum	**$ 3,075,484**	**$ 3,097,744**	**$ 3,134,844**

SECTION 31 2310
STRUCTURE EXCAVATION AND BACKFILL

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Provide labor, materials, equipment, and supervision necessary to complete the following:

1. Excavate for structure and remove subsoil from site.
2. Shore and brace excavations as called for on drawings.
3. Place and compact fills to rough grade elevations.
4. Dewater excavations.

1.2 SITE COMPACTION TESTING

A. Testing of compacted fill materials will be performed by an independent testing laboratory appointed and paid for by the Owner as directed by the Architect/Engineer. Testing will be performed so as to least encumber the performance of work. Special inspections shall be in accordance with the 2021 IBC CH. 17 requirements.

B. When work of this Section or portions of work are completed, notify the testing laboratory to perform density tests. Do not proceed with additional portions of work until results have been verified.

C. If, during progress of work, tests indicated that compacted materials do not meet specified requirements, remove defective work, replace and retest at no cost to Owner.

D. Ensure compacted fills are tested before proceeding with placement of surface materials.

1.3 SUBMITTALS

A. Submit minimum ten-pound (4.5kg) samples of each type of fill material to be used. Provide samples to appointed testing laboratory, packed tightly in containers to prevent contamination.

B. If recent test results are available for fill materials to be used, disregard samples submission and submit such test results to the testing laboratory. Such test results are to clearly indicate types of materials and composition, hardness, compactability, and suitability for proposed usage.

1.4 PROTECTION

A. Protect trees, shrubs and lawns, areas to receive planting, rock outcropping, and other features remaining as part of final landscaping.

B. Protect benchmarks and existing structures, roads, sidewalks, paving, and curbs against damage from equipment and vehicular or foot traffic.

C. Protect excavations by shoring, bracing, sheet piling, underpinning, or other methods, as required to prevent cave-ins or loose dirt from falling into excavations.

D. Underpin adjacent structure(s) which may be damaged by excavation work, including service lines and pipe chases.

E. Notify Architect/Engineer of unexpected subsurface conditions and discontinue work in area until Architect/Engineer provides notification to resume work.

F. Grade around excavations to prevent surface water runoff into excavated areas.

PART 2 PRODUCTS

2.1 FILL MATERIALS

A. Granular Fill

1. Gravel: Angular pit run crushed natural stone; free from shale, clay, friable materials, and debris: Graded within the following limits:

a. % Passing

1) 1 in. (25mm): 100%
2) No. 4 (4.75mm): 20% to 75%
3) No. 8 (2.36mm): 20% to 40%
4) No. 200 (75F): 6% to 16%

2. Sand: Clean natural river or bank sand; free from silt, clay, loam, friable or soluble materials, or organic matter: Graded within the following limits:

a. % Passing

1) 3/8 in (9.5mm): 100%
2) No. 8 (2.36mm): 60% to 90%
3) No. 30 (550F): 0% to 40%
4) No. 200 (75F): 0% to 1½%

3. Architect/Engineer approved gravel or sand from a local source. (Provide submittal for each.)

B. Structural Fill

1. Any materials acceptable as granular fill per paragraph 2.1 A.
2. Fill that contains debris, roots, organic matter, frozen matter, and stone with any dimension greater than ½ the loose layer thickness ARE NOT ACCEPTABLE.
3. Architect/Engineer approved fill from a local source. Provide submittal for each.

C. Subsoil: Excavated or off-site materials free from roots, broken concrete, broken asphalt, rocks larger than three inches (75mm) in size, and building debris.

1. Fill Under Landscaped Areas: Free from alkali, salt, and petroleum products. Use subsoil excavated from site only if conforming to specified requirements.

D. Crushed Stone base below footings

1. Crushed Limestone gradation meeting IDOT Section No. 4121
2. Free-draining stone for perimeter drains shall be clean, free-draining aggregate material having less than 5 percent passing the No. 200 sieve. (IDOT Section No. 4131)

2.2 VAPOR BARRIER

A. 16 mil VB-350 by Barrier-Bac, Inc, 15 mil Stego Wrap by Stego Industries or substitute.

PART 3 EXECUTION

3.1 PREPARATION AND LAYOUT

A. Establish extent of excavation by area and elevation; designate and identify datum elevation.

B. Set required lines and levels.

C. Maintain benchmarks, monuments, and other referenced points.

3.2 UTILITIES

A. Before starting excavation, establish location and extent of underground utilities occurring in work area.

B. Notify utility companies to remove and relocate lines that are in the way of excavation.

C. Maintain, reroute, or extend as required, existing utility lines to remain which pass through work area.

D. Pay costs for this work, except those covered by utility companies.

E. Protect utility services uncovered by excavation.

F. Remove abandoned utility service lines from areas of excavation; cap, plug, or seal such lines and identify at grade.

G. It is the contractor's responsibility to accurately locate and record abandoned and active utility lines, rerouted or extended, on Project Record Documents.

3.3 EXISTING CONDITIONS:

A. Water level observed in the borings varied across the site. Dewatering for excavations shall be anticipated, and shall be provided by the contractor.

B. Additional overexcavation and backfill may be required due to the presence of unsuitable bearing material below the indicated excavation elevations as determined by the Owner’s independent testing representative. Any additional overexcavation and backfill below this indicated elevation shall be considered “Unknown Overexcavation and Backfill”. Backfill shall consist of properly compacted structural fill as indicated in Part 2.1. Payment for "Unkown Overexcavation and Backfill" will be unit price as established by the adjustment price listed in the bid.

C. Provide a 12-inch thick layer of properly compacted crushed limestone below all concrete footings. See material requirements in Section 2.1D.

D. Remove material below the proposed finished floor elevation for all new proposed slab-on-grade floors and install properly compacted structural backfill as indicated on the Drawings.

E. Care shall be taken to avoid disturbance to prepared subgrades. Lean to fat clay and fat clay soils at the Biosolids Dewatering Facility should be maintained at their optimum moisture contents during construction. Any saturated or desiccated materials shall be removed and replaced with low plasticity material prior to placement of footings or building pad.

F. Care shall be taken to avoid disturbance to prepared subgrades. Native sandy silt soils in the Biosolids Storage area are susceptible to disturbance from construction activities, particularly if the soils are wetted by surface water or seepage. Any saturated or desiccated materials shall be removed and replaced with low plasticity material prior to placement of footings or building pad.

G. Footings: New structures bearing on spread footings are designed for an assumed bearing capacity of 1500 psf. Owner's independent testing agent shall verify that bearing on native soil meets or exceeds assumed bearing capacity.

3.4 EXCAVATION

A. Excavate subsoil in accordance with lines and levels required for construction of the work, including space for forms, bracing and shoring, foundation drainage system, applying dampproofing, and to permit inspection.

B. All excavations shall comply with the requirements of OSHA 29CFR, Part 1926, Subpart P, "Excavations" and its appendices, as well as other applicable codes. This document states that the excavation safety is the responsibility of the Contractor.

C. Do additional excavation only by written authorization of Owner's Representative and Architect/Engineer.

D. Machine slope banks.

E. Hand trim excavations and leave free from loose or organic matter.

F. When complete, verify soil bearing capacities, depths, and dimensions.

G. Correct unauthorized excavation as directed, at no cost to the Owner.

H. Fill over excavated areas under structure bearing surfaces with backfill as specified for foundations.

I. Excavations are not to interfere with normal 45 degree bearing splay of any foundation.

J. Remove excavated material from site.

K. Removal of boulders or buried rock in excess of 1/2 cubic yard (.4m3) may be authorized as an extra; other work is deemed to be within the scope of this section.

1. Do not disturb soil within drip line of existing trees or shrubs that are to remain.

L. If necessary to excavate through roots, perform work by hand and cut roots with a sharp ax.

3.5 BACKFILLING

A. Do not backfill over existing subgrade surfaces that are porous, wet, or spongy.

B. Compact existing subgrade surfaces if densities are not equivalent to that required for backfill materials.

C. Cut out soft areas of existing subgrade. Backfill with sand and compact to required density.

D. Backfill areas to grades, contours, levels, and elevations.

E. Backfill systematically and as early as possible to allow maximum time for natural settlement and compaction.

F. Backfill shall not be placed adjacent to concrete structures until the concrete has achieved at least 75% of its design strength.

G. Place and compact fill materials in continuous layers not exceeding six inches (150mm) loose depth. Use a method so as not to disturb or damage foundation dampproofing.

H. Maintain optimum moisture content of backfill materials to attain required compaction density.

I. Backfill simultaneously on each side of foundation walls to equalize soil pressures.

J. Where temporary unbalanced pressures are liable to develop on walls before floor slabs are placed, erect necessary shoring to counteract imbalance.

3.6 FILL TYPES AND COMPACTION

A. Below footings and slab-on grade engineered fill bearing on grade: Compact to 98% of maximum Standard Proctor Density per ASTM D698 at frequency of one test per 100 square yards.

B. Exterior side of foundation walls: Subsoil fill to top of subgrade elevation. Compact to 95% of maximum Standard Proctor Density per ASTM D698 at frequency of one test per 100 square yards.

C. Stabilizing base course under concrete slabs within building area:

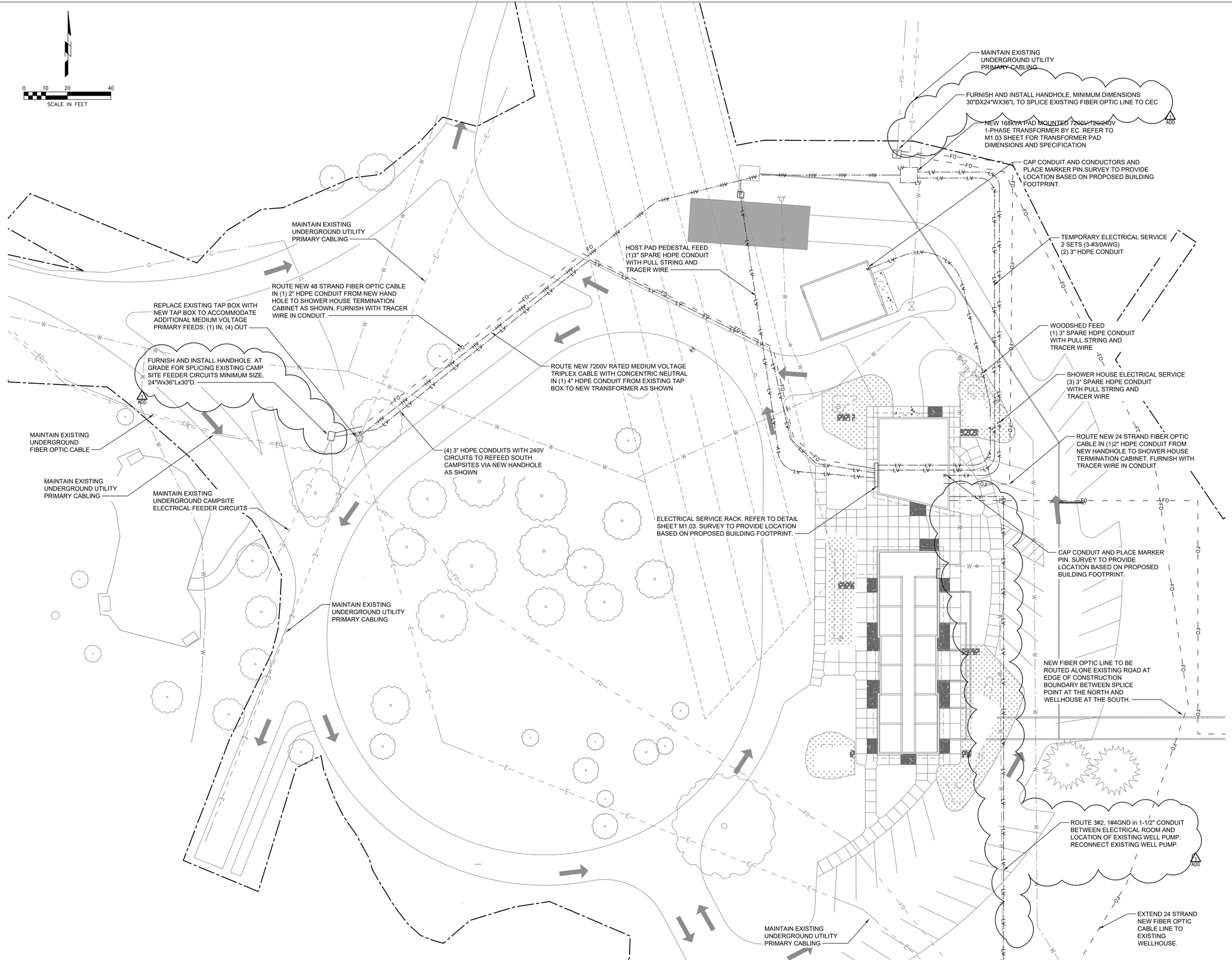
1. Six inches of compacted well graded crushed stone containing less than 5% passing the No. 200 sieve. Overtop the crushed stone with a vapor barrier.

2. Compact to 98% of maximum Standard Proctor Density per ASTM D698 at frequency of one test per 100 squares.

D. Fill under landscaped areas: Subsoil to top of subgrade elevation. Compact to 90% of maximum Standard Proctor Density per ASTM D698 at frequency of one test per 500 square yards.

E. Fill lift thicknesses shall be 9-inches or less in loose thickness, thinned lifts will be required when using hand equipment.

END OF SECTION



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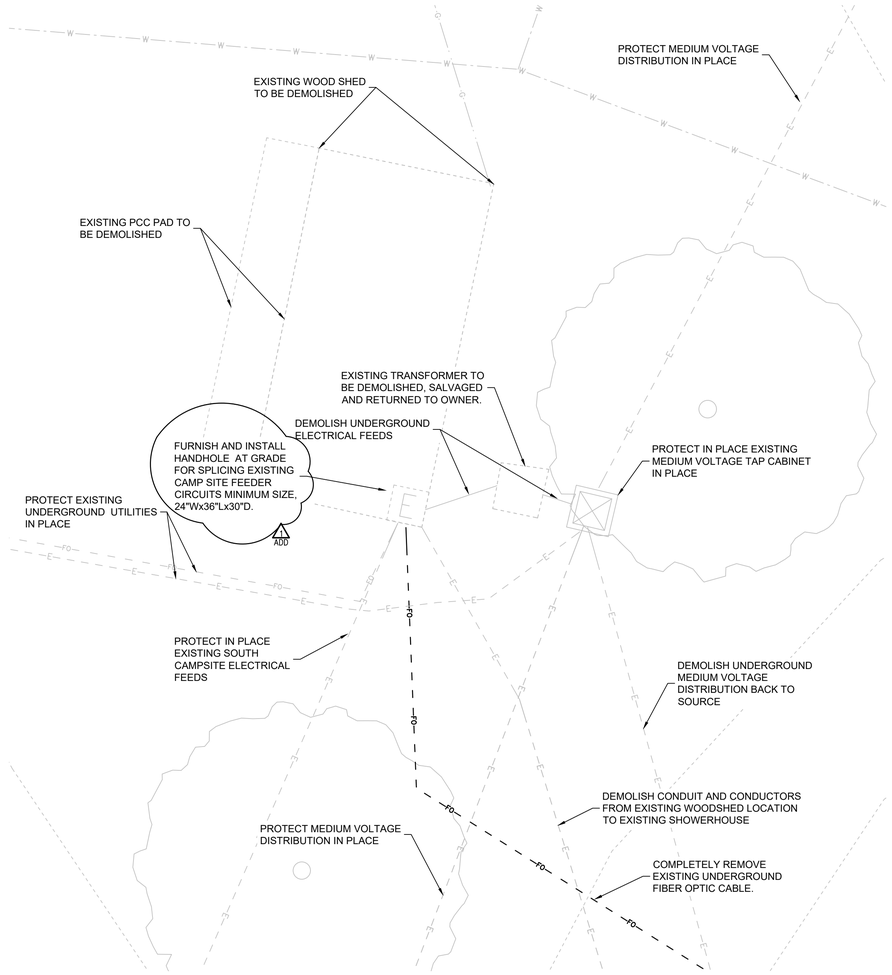
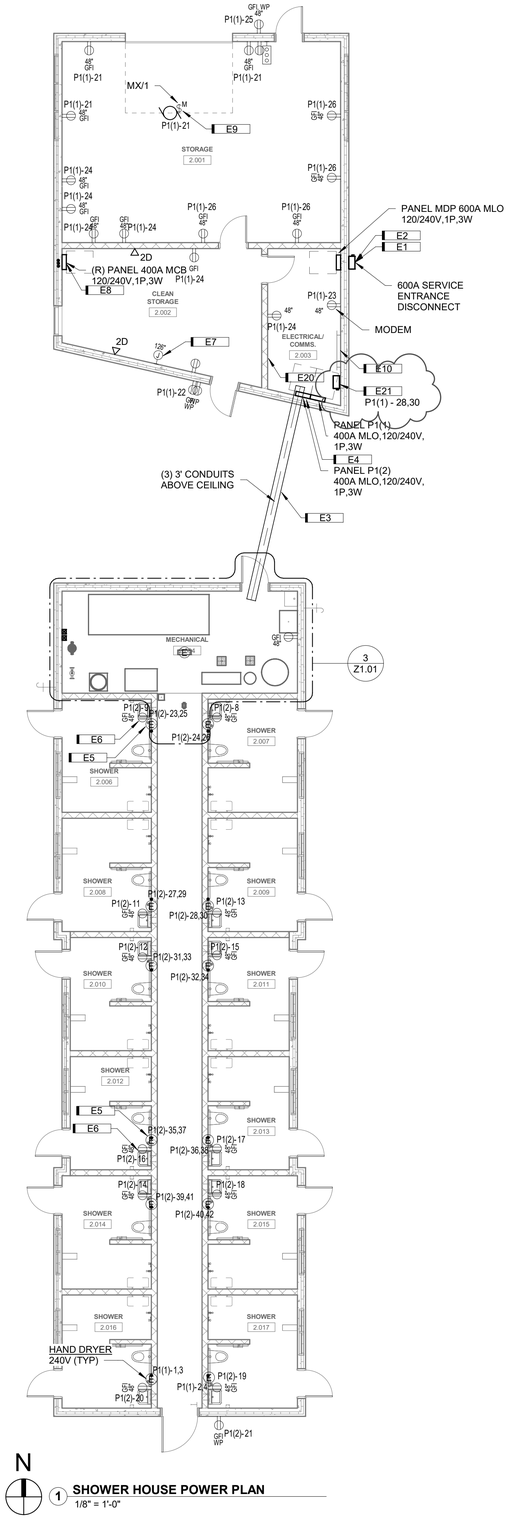
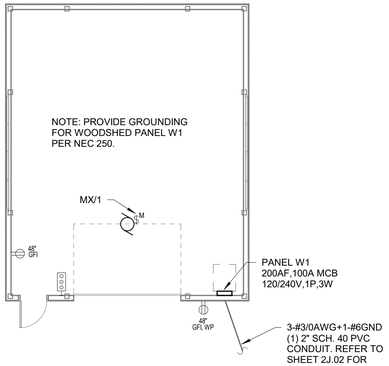
JOHNSON COUNTY CONSERVATION BOARD	PROJECT NO.: 4217340	ISSUE FOR CONSTRUCTION 04/26/2022	SHEET NAME: SITE ELECTRICAL PLAN	SHEET NO.: M1.02



2 ENLARGED ELECTRICAL SITE DEMOLITION PLAN - WOOD SHED



1 SHOWER HOUSE POWER PLAN
1/8" = 1'-0"

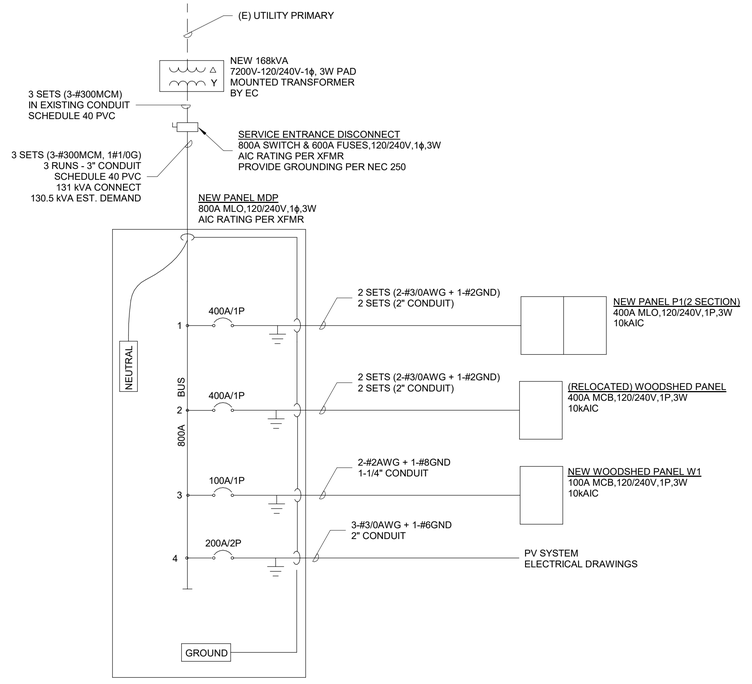


2 WOODSHED POWER PLAN
1/8" = 1'-0"

3 ENLARGED MECHANICAL ROOM PLAN
1/4" = 1'-0"

ELECTRICAL KEYNOTES

E1	DISCONNECT SHALL BE RATED NEMA 3R AND RATED AS SERVICE ENTRANCE EQUIPMENT. BOND THE NEUTRAL AND GROUND INSIDE OF DISCONNECT AND DERIVE GROUNDING CONDUCTOR AND EXTEND TO GROUND RODS.
E2	SERVICE ENTRANCE CONDUITS TO BE PLACED TO LINE UP WITH PRECAST PANEL HOLES DESIGNATED FOR (2) 2-1/2" EMT CONDUIT
E3	SUPPLY FEED FOR ELECTRICAL PANEL P1 VIA DUCT BANK ABOVE CEILING TO MECHANICAL ROOM 2.004
E4	COORDINATE EXACT PLACEMENT OF PANELS P1(SECT 1) & PANEL P1(SECT 2) WITH PLUMBING PIPING TO ENSURE CODE COMPLIANT INSTALLATION.
E5	EXTEND DEDICATED 240V CIRCUIT FOR HAND DRYER. PUNCH 3/4" CONDUIT THROUGH CMU WALL SEPARATING THE RESTROOM AND CHASE. COORDINATE HOLE LOCATION WITH MOUNTING HEIGHT AND LOCATION OF HAND DRYER PRIOR TO INSTALLATION. TYPICAL 12 SHOWER ROOMS.
E6	EXTEND DEDICATED 120V CIRCUIT FOR GFI DUPLEX RECEPTACLE. PUNCH 3/4" CONDUIT THROUGH CMU WALL SEPARATING THE SHOWER ROOM AND CHASE. COORDINATE HOLE LOCATION WITH MOUNTING HEIGHT AND LOCATION OF RECEPTACLE PRIOR TO INSTALLATION. TYPICAL 12 SHOWER ROOMS.
E7	LOCATE JUNCTION BOX ABOVE CEILING WITH CAPPED 12OV CIRCUIT FROM PANEL MDP. THIS CIRCUIT WILL FEED KIOSK AND/OR VIDEO BOARD IN BREEZE DURING CONSTRUCTION.
E8	(R) PANEL IS RELOCATED 400A PANEL FROM DEMOLISHED TEMPORARY ELECTRICAL RACK. MAINTAIN PANEL AND ALL BREAKERS FOR RELOCATION TO INTERIOR SPACE AS SHOWN.
E9	PROVIDE FRACTIONAL HORSEPOWER MOTOR SWITCH WITH MELTING ALLOY AS SAFETY DISCONNECT FOR GARAGE DOOR OPENER
E10	IT IS INTENDED THAT ELECTRICAL/COMMS. ROOM 2.003 BECOMES THE MAIN DISTRIBUTION POINT FOR FIBER OPTIC CABLING IN THE CAMPGROUND. REFER TO SHEET M1.02 FOR ADDITIONAL ROUTING AND SYSTEM AND INTERCONNECTION DETAILS.
E20	PROVIDE 4'-X 8' PLYWOOD FOR COMMUNICATION.
E21	RELOCATED WELL PUMP VFD CONTROLLER. FRANKLIN ELECTRIC SDCP-SUB1523. CIRCUIT WITH 2#2, 1#4GND IN 1-1/2" CC BETWEEN PANEL AND RELOCATED VFD. EXTEND 2#6, 1#6GND, 1-1/4"C ON SHEET M1.02 TO PREVIOUS WELL PUMP HOUSE FOLLOWING THE WATER LINE INDICATED ON SHEET M1.02.



4 ONELINE DIAGRAM
12" = 1'-0"

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JOHNSON COUNTY CONSERVATION BOARD | PROJECT NO.: 4217340 | ISSUED FOR CONSTRUCTION 04/26/2022 | SHEET NAME: ELECTRICAL POWER PLANS | SHEET NO.: Z1.01