

# ADDENDUM NO. 3

## WTCC Fire and Rescue Training Center

Prepared by:



Date of Issue: May 12th, 2025

**THE FOLLOWING ITEMS TAKE PRECEDENCE OVER THE REFERENCED PORTION OF THE BIDDING DOCUMENTS FOR THE ABOVE REFERENCED PROJECT AND IN EXECUTING A CONTRACT SHALL BECOME A PART THEREOF.**

**1. Summary of Addenda #3:**

**A. CM Trade Package Manual and CM General Requirements Manual**

- Revised CM Trade Package Manual
  - **Revised Form of Proposal**
    - Clarifications with unit prices and allowances

**B. BID PACKAGE SCOPES OF WORK REVISED OR ADDED:**

- Revised Scopes of work
  - BP-03A Cast-in-place concrete
    - Clarification on coatings/sealer
  - BP09A Drywall, metal framing, & insulation
    - Removed FRP from scope – NIC
    - Removed fiberglass mat reinforced wall coating (moved to BP-09K)
  - BP-31A Sitework
    - Correction on referenced bid package
    - Correction on ABC stone
- Issued scopes of work
  - BP-01B General Trades
  - BP-09K Epoxy Flooring
  - BP-09M Painting and coatings
  - BP10A Misc Specialties
  - BP-10B Signage
  - BP-13A Fire Panels and Brick
  - BP-21A Fire Protection
  - BP-22A Plumbing
  - BP-23A Mechanical
  - BP-26A Electrical
  - BP-27B Structured Cabling
  - BP-31B Combo – Site and Asphalt Paving and Curb & Gutter
  - BP-32D Fencing and Gates
  - BP-32E Landscaping

**END OF ADDENDUM NO. 3**



CM trade Package Manual  
Wake Technical Community College  
Fire and Rescue Training Center

CM Trade Pkgs  
Manual thru  
Addendum #3  
05/12/2025



CONSTRUCTION MANAGER:  
Samet Corporation  
5430 Wade Park Blvd, Suite 110  
Raleigh, NC 27607



OWNER:  
Wake Technical Community College  
4723 Advantage Way  
Raleigh, NC 27603



ARCHITECT:  
HH Architecture  
1100 Dresser Court  
Raleigh, NC 27609



CIVIL ENGINEER:  
NV5  
3300 Regency Parkway  
Cary, NC 27518

## **INDEX CM TRADE PACKAGE MANUAL**

### **PREPARED BY SAMET CORPORATION**

<u>Description</u>	<u>Pages</u>
1.00 CM Trade Package Manual Cover .....	1
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#### **BID PACKAGE:**

##### **Trade Package Scope of Work:**

01A Final Clean  
01B General Trades  
03A Cast-in-Place Concrete  
04A Masonry  
05A Structural Steel, Metal Fabrications  
07A Waterproofing  
07C Metal Roofing & Metal Panels  
08A Doors, Frames, & Hardware  
08D Overhead Doors  
09A Drywall, Framing, Insulation  
09K Epoxy Flooring  
09M Painting and sealed Concrete  
10A Toilet Partitions & Accessories, Visual Display, FP Specialties  
10B Signage  
13A Special Construction (Fire Panels & Brick)  
21A Fire Protection  
22A Plumbing  
23A HVAC  
23B HVAC & Plumbing Combination  
26A Electrical & Fire Alarm  
31A Earthwork, Storm Drainage, Erosion Control, & Site Utilities  
31B Earthwork, Storm Drainage, Erosion Control, Site Utilities, Asphalt Paving, Curb & Gutter  
Combination  
32A Site Concrete  
32C Asphalt Paving, Curb & Gutter  
32D Fencing  
32E Landscaping

Scopes of Work are posted to Building Connected site at the 'Files' tab under the folder called: "03 Scopes of Work"



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## FORM OF PROPOSAL

**Name of Firm:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**Phone/Email:** \_\_\_\_\_

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**(Contractor's License Number, if applicable)**

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**(Trade Package Name)**

CONSTRUCTION MANAGER: Samet  
309 Gallimore Dairy Rd, Suite 102  
Greensboro, NC 27409

For

OWNER: Wake Technical Community College  
4723 Advantage Way  
Raleigh, NC 27603

The undersigned, having carefully and completely examined the Proposal Forms and Procedures, Contract Documents, Trade Package Scopes of Work, Other Bidding Requirements, and all subsequent addenda, and being familiar with all conditions and requirements of the Work for the **Wake Tech Fire and Rescue Training Center** agrees to furnish all materials, labor, equipment, taxes, insurance and services for the lump sum, BASE BID AMOUNT of:

\_\_\_\_\_(Words)

\$\_\_\_\_\_(Figures)

**Initial below to confirm:**

\_\_\_\_Base bid amount includes the cost for the Insurance requirements in compliance with Exhibit of Subcontract Agreement

\_\_\_\_Base Bid amount includes the cost for all Allowances identified in the Allowance section of the bid form.





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**(List all Addenda along with the date of issue. If no additional Addenda are issued, write the word "NONE".)**

Addendum Number

Date

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## **UNIT PRICES**

Bidders are to provide unit prices for each item of work listed below. Each unit price provided shall include all profit, overhead, supervision, surveying/field engineering services, materials, labor, equipment, taxes, insurance, and any miscellaneous incidentals required to complete the unit price work activity. Unit prices shall be treated as a change to the Scope of Work and are subject to comply with all provisions outlined within the Contract Documents. Refer to 012200 "Unit Prices" within the Specifications for additional information related to each unit price. **Where noted below, the Unit Price(s) shall be the basis for determining a respective Subcontract allowance value(s). Additionally, the Unit Prices outlined herein shall be used as a basis of determining additions and/or deductions to the Subcontract Sum by change order.**

- A. Unit Price A: Unsuitable Soil – On-Site Disposal and Backfill with On-Site Suitable Soils.
1. Description: Removal of unsuitable soil, disposal of unsuitable soil for re-use on-site, and replacement of unsuitable soil and/or debris with a controlled backfill material from an on-site source. Unit Price includes excavation, transportation, re-spread, compaction, and backfill to compaction requirements per specifications.
  2. Unit of Measurement: Cubic Yards
  3. Quantity Allowance: Coordinate unit price with allowance adjustment requirements in Section 012100 "Allowances."
  4. **Rate: \_\_\_\_\_ \$/CY**
- B. Unit Price B: Unsuitable Soil – On-site Disposal and Backfill with off Site Source Suitable Soils.
1. Description: Removal of unsuitable soil, disposal for re-use on-site, and replacement if unsuitable soil and/or debris with a controlled backfill material from an off-site source.
  2. Unit Price includes excavation, transportation, re-spread, compaction, and backfill to compaction requirements per specifications.
  3. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit.
  4. Quantity Allowance: Coordinate unit price with allowance adjustment requirements in Section 012100 "Allowances".
  4. **Rate: \_\_\_\_\_ \$/CY**
- C. Unit Price C: Unsuitable soil – Off-site disposal and Backfill with On-Site Source Suitable Soils.
1. Description: Removal of unsuitable soil, disposal for re-use on-site, and replacement of unsuitable soil and/or debris with a controlled backfill material from an on-site source.
  2. Unit Price includes excavation, transportation, re-spread, compaction, and backfill to compaction requirements per specifications.
  3. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit.
  4. Quantity Allowance: Coordinate unit price with allowance adjustment requirements in Section 012100 "Allowances."
  4. **Rate: \_\_\_\_\_ \$/CY**
- D. Unit Price D: Unsuitable Soil – Off-site disposal and Backfill with Off-Site Source Suitable Soils.
1. Description: Removal, disposal off-site, and replacement of unsuitable soil and/or debris with a controlled backfill material from an off-site source.
  2. Unit Price includes excavation, transportation, re-spread, compaction, and backfill to compaction requirements per specifications.
  3. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit.
  4. Quantity Allowance: Coordinate unit price with allowance adjustment requirements in Section 012100 "Allowances."
  4. **Rate: \_\_\_\_\_ \$/CY**

- E. Unit Price E: Unsuitable Trench Soil – On-site disposal and Backfill with On-Site Suitable Soils.
1. Description: Removal of unsuitable soil, disposal of unsuitable soils for re-use on-site, and replacement of unsuitable soil and/or debris with a controlled backfill material from an on-site source.
  2. Unit Price includes excavation, transportation, re-spread, compaction, and backfill to compaction requirements per specifications.
  3. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit.
  4. Quantity Allowance: Coordinate unit price with allowance adjustment requirements in Section 012100 "Allowances."
- Rate:** \_\_\_\_\_ **\$/CY**
- F. Unit Price F: Unsuitable Trench Soil – **On-Site Disposal and Backfill with Off-Site Source**
1. Description: Removal, disposal off-site, and replacement of unsuitable soil and/or debris with a controlled backfill material from an off-site source.
  2. Unit Price includes excavation, transportation, re-spread, compaction, and backfill to compaction requirements per specifications.
  3. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit.
  4. Quantity Allowance: Coordinate unit price with allowance adjustment requirements in Section 012100 "Allowances."
- Rate:** \_\_\_\_\_ **\$/CY**
- G. Unit Price G: Unsuitable Trench Soil – Off-Site Disposal and Backfill with On-Site Source
1. Description: Removal unsuitable soil, disposal off-site, and replacement of unsuitable soil and/or debris with a controlled backfill material from an on-site source.
  2. Unit Price includes excavation, transportation, re-spread, compaction, and backfill to compaction requirements per specifications.
  3. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit.
  4. Quantity Allowance: Coordinate unit price with allowance adjustment requirements in Section 012100 "Allowances."
- Rate:** \_\_\_\_\_ **\$/CY**
- H. Unit Price H: Unsuitable Trench Soil – Off-Site Disposal and Backfill with Off-Site Source
1. Description: Removal, disposal off-site, and replacement of unsuitable soil and/or debris with a controlled backfill material from an off-site source.
  2. Unit Price includes excavation, transportation, re-spread, compaction, and backfill to compaction requirements per specifications.
  3. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit.
  4. Quantity Allowance: Coordinate unit price with allowance adjustment requirements in Section 012100 "Allowances."
- Rate:** \_\_\_\_\_ **\$/CY**
- I. Unit Price I: Stream Crossing – Off-Site Disposal and Backfill with Class B Rip-Rap
1. Description: Removal, disposal off-site, and replacement of unsuitable soil and/or debris with an Approved Rip-Rap material.
  2. Unit Price includes excavation, transportation, re-spread, compaction, and backfill to compaction requirements per specifications.
  3. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit.
  4. Quantity Allowance: Coordinate unit price with allowance adjustment requirements in Section 012100 "Allowances."
- Rate:** \_\_\_\_\_ **\$/CY**

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- J. Unit Price J: Stream Crossing – Off-Site Disposal and Backfill with #57 Stone
1. Description: Removal, disposal off-site, and replacement of unsuitable soil and/or debris with an Approved #57 Stone material.
  2. Unit Price includes excavation, transportation, re-spread, compaction, and backfill to compaction requirements per specifications.
  3. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit.
  4. Quantity Allowance: Coordinate unit price with allowance adjustment requirements in Section 012100 "Allowances."
- Rate:** \_\_\_\_\_ **\$/CY**
- K. Unit Price K: Stream Crossing – Type 4 Geotextile Fabric
1. Description: Furnish and Install Type 4 Geotextile Fabric as required per the Specifications .
  2. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit.
  3. Quantity Allowance: Coordinate unit price with allowance adjustment requirements in Section 012100 "Allowances".
- Rate:** \_\_\_\_\_ **\$/CY SF**
- L. Unit Price L: Rip Rock Excavation – Dispose of Off-Site
1. Description: Removal and disposal off-site, and replacement with a controlled backfill material per Specifications.
  2. Unit Price includes excavation, transportation, re-spread, compaction, and backfill to compaction requirements per specifications.
  3. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit.
  4. Quantity Allowance: Coordinate unit price with allowance adjustment requirements in Section 012100 "Allowances."
- Rate:** \_\_\_\_\_ **\$/CY**
- M. Unit Price M: Rip Rock Excavation – Dispose of On-Site
1. Description: Removal, disposal of rip rock for re-use on-site, and replacement with a controlled backfill material per Specifications.
  2. Unit Price includes excavation, transportation, re-spread, compaction, and backfill to compaction requirements per specifications.
  3. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit.
  4. Quantity Allowance: Coordinate unit price with allowance adjustment requirements in Section 012100 "Allowances."
- Rate:** \_\_\_\_\_ **\$/CY**
- N. Unit Price N: Trench Rock Excavation (Hammer) – Dispose of Off-Site
1. Description: Removal and disposal off-site, and replacement with a controlled backfill material per Specifications.
  2. Unit Price includes excavation, transportation, re-spread, compaction, and backfill to compaction requirements per specifications.
  3. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit.
  4. Quantity Allowance: Coordinate unit price with allowance adjustment requirements in Section 012100 "Allowances."
- Rate:** \_\_\_\_\_ **\$/CY**

- O. Unit Price O: Trench Rock Excavation (Hammer) – Dispose of On-Site
1. Description: Removal, disposal of rip rock for re-use on-site, and replacement with a controlled backfill material per Specifications.
  2. Unit Price includes excavation, transportation, re-spread, compaction, and backfill to compaction requirements per specifications.
  3. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit.
  4. Quantity Allowance: Coordinate unit price with allowance adjustment requirements in Section 012100 "Allowances."  
**Rate:** \_\_\_\_\_ **\$/CY**
- P. Unit Price P: #57 Stone Backfill/Spread
1. Description: Provide and install #57 stone per Specifications.
  2. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit.
  3. Quantity Allowance: Coordinate unit price with allowance adjustment requirements in Section 012100 "Allowances".  
**Rate:** \_\_\_\_\_ **\$/CY**
- Q. Labor Rates: Provide position and hourly rates for common cost of work positions such as laborer, carpenter, foreman, etc.

Position	Hourly Rate

### **ALLOWANCES**

Bidders are to provide allowances for each item of work listed below. Each allowance provided shall include all profit, overhead, supervision, surveying/field engineering services, materials, labor, equipment, taxes, insurance, and any miscellaneous incidentals required to complete the quantity allowance work activity. Allowances shall be included in the lump sum bid and are subject to comply with all provisions outlined within the Contract Documents. Refer to 012100 within the Specifications for additional information related to each allowance. (Verification of any allowance usage must be signed off on by the Contractor / Owner to be validated for billing purposes, and all unused portion(s) of these item(s) will be reconciled at the completion of the project via deductive change order)

- A. Allowance No. A: Unsuitable Soil – On-site Disposal and Backfill with On-Site Suitable Soils.
1. Description: Removal of unsuitable soil, disposal of unsuitable soil for re-use on-site, and replacement of unsuitable soil and/or debris with a controlled back fill material from an on-site source.
  2. Unit Price includes excavation, transportation, re-spread, compaction, and backfill to compaction requirements per specifications.
  3. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit.
  4. Allowance Quantity: 1,500 cubic yards.
  5. Base Bid Quantity: Lump Sum.  
**Value: \$** \_\_\_\_\_
- B. Allowance No. B: Unsuitable Soil – On-site Disposal and Backfill with off Site Source Suitable Soils.
1. Description: Removal of unsuitable soil, disposal for re-use on-site, and replacement if unsuitable soil and/or debris with a controlled backfill material from an off-site source.

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2. Unit Price includes excavation, transportation, re-spread, compaction, and backfill to compaction requirements per specifications.
  3. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit.
  4. Allowance Quantity: 1,500 cubic yards.
  5. Base Bid Quantity: Lump Sum.  
**Value: \$** \_\_\_\_\_
- C. Allowance No. C: Unsuitable soil – Off-site disposal and Backfill with On-Site Source Suitable Soils.
1. Description: Removal of unsuitable soil, disposal for re-use on-site, and replacement of unsuitable soil and/or debris with a controlled backfill material from an on-site source.
  2. Unit Price includes excavation, transportation, re-spread, compaction, and backfill to compaction requirements per specifications.
  3. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit.
  4. Allowance Quantity: 250 cubic yards.
  5. Base Bid Quantity: Lump Sum.  
**Value: \$** \_\_\_\_\_
- D. Allowance No. D: Unsuitable Soil – Off-site disposal and Backfill with Off-Site Source Suitable Soils.
1. Description: Removal, disposal off-site, and replacement of unsuitable soil and/or debris with a controlled backfill material from an off-site source.
  2. Unit Price includes excavation, transportation, re-spread, compaction, and backfill to compaction requirements per specifications.
  3. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit.
  4. Allowance Quantity: 250 cubic yards.
  5. Base Bid Quantity: Lump Sum.  
**Value: \$** \_\_\_\_\_
- E. Allowance No. E: Unsuitable Trench Soil – On-site disposal and Backfill with On-Site Suitable Soils.
1. Description: Removal of unsuitable soil, disposal of unsuitable soils for re-use on-site, and replacement of unsuitable soil and/or debris with a controlled backfill material from an on-site source.
  2. Unit Price includes excavation, transportation, re-spread, compaction, and backfill to compaction requirements per specifications.
  3. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit.
  4. Allowance Quantity: 250 cubic yards.
  5. Base Bid Quantity: Lump Sum.  
**Value: \$** \_\_\_\_\_
- F. Allowance No. F: Unsuitable Trench Soil – **On-Site Disposal and Backfill with Off-Site Source** Suitable Soils.
1. Description: Removal, disposal off-site, and replacement of unsuitable soil and/or debris with a controlled backfill material from an off-site source.
  2. Unit Price includes excavation, transportation, re-spread, compaction, and backfill to compaction requirements per specifications.
  3. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit.
  4. Allowance Quantity: 100 cubic yards.
  5. Base Bid Quantity: Lump Sum.  
**Value: \$** \_\_\_\_\_

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- G. Allowance No. G: Unsuitable Trench Soil – Off-Site Disposal and Backfill with On-Site Source Suitable Soils.
1. Description: Removal unsuitable soil, disposal off-site, and replacement of unsuitable soil and/or debris with a controlled backfill material from an on-site source.
  2. Unit Price includes excavation, transportation, re-spread, compaction, and backfill to compaction requirements per specifications.
  3. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit.
  4. Allowance Quantity: 50 cubic yards.
  5. Base Bid Quantity: Lump Sum.  
**Value: \$** \_\_\_\_\_
- H. Allowance No. H: Unsuitable Trench Soil – Off-Site Disposal and Backfill with Off-Site Source Suitable Soils.
1. Description: Removal, disposal off-site, and replacement of unsuitable soil and/or debris with a controlled backfill material from an off-site source.
  2. Unit Price includes excavation, transportation, re-spread, compaction, and backfill to compaction requirements per specifications.
  3. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit.
  4. Allowance Quantity: 50 cubic yards.
  5. Base Bid Quantity: Lump Sum.  
**Value: \$** \_\_\_\_\_
- I. Allowance No. I: Stream Crossing – Off-Site Disposal and Backfill with Class B Rip-Rap
1. Description: Removal, disposal off-site, and replacement of unsuitable soil and/or debris with an Approved Rip-Rap material.
  2. Unit Price includes excavation, transportation, re-spread, compaction, and backfill to compaction requirements per specifications.
  3. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit.
  4. Allowance Quantity: 500 cubic yards.
  5. Base Bid Quantity: Lump Sum.  
**Value: \$** \_\_\_\_\_
- J. Allowance No. J: Stream Crossing – Off-Site Disposal and Backfill with #57 Stone
1. Description: Removal, disposal off-site, and replacement of unsuitable soil and/or debris with an Approved #57 Stone material.
  2. Unit Price includes excavation, transportation, re-spread, compaction, and backfill to compaction requirements per specifications.
  3. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit.
  4. Allowance Quantity: 200 cubic yards.
  5. Base Bid Quantity: Lump Sum.  
**Value: \$** \_\_\_\_\_
- K. Allowance No. K: Stream Crossing – Type 4 Geotextile Fabric
1. Description: Furnish and Install Type 4 Geotextile Fabric as required per the Specifications .
  2. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit.
  3. Allowance Quantity: 1,500 square feet.
  4. Base Bid: Lump Sum.  
**Value: \$** \_\_\_\_\_



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## **ALTERNATES**

The undersigned further agrees to perform the alternates for the sums herein stated resulting in additions to or deductions from the Base Bid Amount. Additions and deductions shall include any modifications of work or additional work that shall be reasonably included as a part of the alternate. Alternates within the Specifications for additional information and/or requirements related to each alternate. If any of the following alternates are accepted, the above stated lump sum (Base Bid Amount) will be revised by the amount(s) indicated below.

If you choose to bid an alternate but there is no change to the base bid amount, enter the term "NO CHANGE" after the dollar sign (\$). If you know an alternate below is not applicable to your scope of work, enter the term "NOT APPLICABLE" after the dollar sign (\$).

All North Carolina State Sales and Use Taxes or Local Sales and Use Taxes are included in the above Base Bid and Alternates (including taxes on purchase or rental of tools and equipment). Bidder agrees. that this Base Bid will remain good and may not be withdrawn for a period of (60) calendar days after receipt date of Bid Proposals

### **ALTERNATE NO. 1 – Payment and Performance Bond**

The cost of the Performance and Payment Bonds will be reimbursed to the Subcontractor based on the following revised contract review noted below:

Subcontractor shall provide Performance and Payment Bonds, if required, each with a penal amount equal to 100% of the Subcontract Amount, on forms acceptable to the General Contractor. The premium for these bonds shall be paid by Subcontractor and the cost thereof shall be invoiced separately to the General Contractor based on the Subcontractor providing an actual paid receipt from its surety agent. NO mark-up, overhead, etc. shall be included as Samet will only reimburse the cost of the bond.

Add or Deduct \_\_\_\_\_(Words)

\$ \_\_\_\_\_ (Figures) (in case of discrepancy, the amount shown in words shall govern)

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## **BID SUBMITTAL CHECKLIST**

In addition to completing this Form of Proposal, the bidder recognizes the following items must be completed to submit a responsible and responsive bid for this project.

- a. All bids must be submitted on the Form of Proposal provided by the Construction Manager and marked accordingly to identify the Trade Package name being bid.
- b. Form of Proposal shall be signed by an officer of the company.
- c. When applicable to a particular trade package scope of work, the respective bidder must fill in all alternates or unit prices on the form of proposal being solicited for the project.
- d. Each bidder as applicable to its respective Trade Package shall include the value of each allowance within its base bid amount as further defined in 012100 – Allowances.
- e. Bids must be submitted in a sealed opaque envelope with the following marked on the front of the envelope:
  - (1) Bidder Name and Address
  - (2) Project Name – **WTCC Fire and Rescue Training Center**
  - (3) Trade Package Name (e.g. “02A Demolition”)
- f. A Bid Security of five percent (5%) of the Bid in Cashier’s Check, Certified Check, or a fully executed Bid Bond is required to accompany each Bid Proposal where designated on the Instructions to Bidder. Bids may not be withdrawn within sixty (60) days after the scheduled bid date and time, except as provided by law. Please reference Instructions to Bidders for specifics. (Required for packages that exceed \$300,000.00)
- g. As required, all bids must be accompanied with the following completed M/WBE Participation Forms.

ALL BIDDERS MUST SUBMIT TWO FORMS WITH THEIR BID:

1. Identification of Minority Business Participation” form

AND EITHER

2. Affidavit A – “Listing of Good Faith Efforts”

OR

2. Affidavit B – “Intent to Perform Contract with Own Workforce

(Required for Bidders who self-perform 100% percent of their contract value including material / equipment purchases (i.e. typically a labor only contract))

The above information must be provided as required. Failure to submit these documents is grounds for rejection of the bid. Bid amounts from rejected bids shall not be read aloud at public bid openings.

The bidder must identify on its bid (by using the “Identification of Minority Business Participation” form provided in the bid document), the minority businesses that will be utilized on the project with corresponding total dollar value of the bid and affidavit (Affidavit A) listing good faith efforts **or** affidavit (Affidavit B) of self-performance of work, if the bidder will perform work under contract by its own workforce, as required by G.S. 143-128.2(c) and G.S. 143-128.2(f).

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An issuance of a Notice to Proceed shall be considered acceptance of this bid proposal sixty (60) calendar days after the date fixed for the opening of bid proposals. Furthermore, the undersigned agrees to execute and deliver the Contractor and Subcontractor Agreement, Performance and Payment Bonds (if applicable), Material Purchase Order Agreement (if applicable) and Certificate of Insurance within fourteen (14) calendar days after the Subcontractor or Supplier has received the said Contractor and Subcontractor Agreement and/or Purchase Order (if applicable), requiring execution. The undersigned agrees, if awarded the Subcontract, within sixty (60) calendar days from the fixed date for opening of the bids, to faithfully and properly complete the whole and several portions of the work within the specified time defined within the Contract Documents.

It is agreed that the undersigned has fulfilled and is in current compliance with all state licensing laws and will comply with all requirements concerning licensing with all other local and national laws and that no legal requirement has been or will be violated in making or accepting this bid proposal by awarding the Subcontract or Purchase Order to the firm and/or in the performance of the work required thereunder.

The undersigned declares that he/she is an officer of the firm listed and is authorized to sign the bid proposal and fully bind the said firm to all the conditions and provisions thereof.

Respectfully submitted this \_\_\_\_\_ day of \_\_\_\_\_, 2025.

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Name and Title)



## Identification of HUB Certified/ Minority Business Participation

I, \_\_\_\_\_  
(Name of Bidder)

do hereby certify that on this project, we will use the following HUB Certified/ minority business as construction subcontractors, vendors, suppliers or providers of professional services.

[illegible]

\*Minority categories: Black, African American (**B**), Hispanic (**H**), Asian American (**A**) American Indian (**I**), Female (**F**) Socially and Economically Disadvantaged (**D**)

**\*\* HUB Certification with the state HUB Office required to be counted toward state participation goals.**

**The total value of minority business contracting will be (\$)**\_\_\_\_\_.

# State of North Carolina AFFIDAVIT A – Listing of Good Faith Efforts

County of \_\_\_\_\_

(Name of Bidder)

Affidavit of \_\_\_\_\_

I have made a good faith effort to comply under the following areas checked:

**Bidders must earn at least 50 points from the good faith efforts listed for their bid to be considered responsive.** (1 NC Administrative Code 30 I.0101)

- ☐ **1 – (10 pts)** Contacted minority businesses that reasonably could have been expected to submit a quote and that were known to the contractor, or available on State or local government maintained lists, at least 10 days before the bid date and notified them of the nature and scope of the work to be performed.
- ☐ **2 --(10 pts)** Made the construction plans, specifications and requirements available for review by prospective minority businesses, or providing these documents to them at least 10 days before the bids are due.
- ☐ **3 – (15 pts)** Broken down or combined elements of work into economically feasible units to facilitate minority participation.
- ☐ **4 – (10 pts)** Worked with minority trade, community, or contractor organizations identified by the Office of Historically Underutilized Businesses and included in the bid documents that provide assistance in recruitment of minority businesses.
- ☐ **5 – (10 pts)** Attended prebid meetings scheduled by the public owner.
- ☐ **6 – (20 pts)** Provided assistance in getting required bonding or insurance or provided alternatives to bonding or insurance for subcontractors.
- ☐ **7 – (15 pts)** Negotiated in good faith with interested minority businesses and did not reject them as unqualified without sound reasons based on their capabilities. Any rejection of a minority business based on lack of qualification should have the reasons documented in writing.
- ☐ **8 – (25 pts)** Provided assistance to an otherwise qualified minority business in need of equipment, loan capital, lines of credit, or joint pay agreements to secure loans, supplies, or letters of credit, including waiving credit that is ordinarily required. Assisted minority businesses in obtaining the same unit pricing with the bidder's suppliers in order to help minority businesses in establishing credit.
- ☐ **9 – (20 pts)** Negotiated joint venture and partnership arrangements with minority businesses in order to increase opportunities for minority business participation on a public construction or repair project when possible.
- ☐ **10 - (20 pts)** Provided quick pay agreements and policies to enable minority contractors and suppliers to meet cash-flow demands.

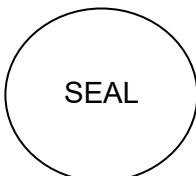
The undersigned, if apparent low bidder, will enter into a formal agreement with the firms listed in the Identification of Minority Business Participation schedule conditional upon scope of contract to be executed with the Owner. Substitution of contractors must be in accordance with GS143-128.2(d) Failure to abide by this statutory provision will constitute a breach of the contract.

The undersigned hereby certifies that he or she has read the terms of the minority business commitment and is authorized to bind the bidder to the commitment herein set forth.

Date: \_\_\_\_\_ Name of Authorized Officer: \_\_\_\_\_

Signature: \_\_\_\_\_

Title: \_\_\_\_\_



State of \_\_\_\_\_, County of \_\_\_\_\_

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_

Notary Public \_\_\_\_\_

My commission expires \_\_\_\_\_

# State of North Carolina --AFFIDAVIT B-- Intent to Perform Contract with Own Workforce.

County of \_\_\_\_\_

Affidavit of \_\_\_\_\_  
(Name of Bidder)

I hereby certify that it is our intent to perform 100% of the work required for the \_\_\_\_\_  
\_\_\_\_\_ contract.  
(Name of Project)

In making this certification, the Bidder states that the Bidder does not customarily subcontract elements of this type project, and normally performs and has the capability to perform and will perform all elements of the work on this project with his/her own current work forces; and

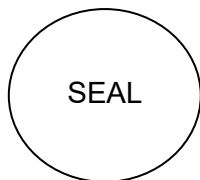
The Bidder agrees to provide any additional information or documentation requested by the owner in support of the above statement. The Bidder agrees to make a Good Faith Effort to utilize minority suppliers where possible.

The undersigned hereby certifies that he or she has read this certification and is authorized to bind the Bidder to the commitments herein contained.

Date: \_\_\_\_\_ Name of Authorized Officer: \_\_\_\_\_

Signature: \_\_\_\_\_

Title: \_\_\_\_\_



State of \_\_\_\_\_, County of \_\_\_\_\_

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_

Notary Public \_\_\_\_\_

My commission expires \_\_\_\_\_



# State of North Carolina - AFFIDAVIT C - Portion of the Work to be Performed by HUB Certified/Minority Businesses

County of \_\_\_\_\_

(Note this form is to be submitted only by the apparent lowest responsible, responsive bidder.)

If the portion of the work to be executed by HUB certified/minority businesses as defined in GS143-128.2(g) and 128.4(a),(b),(e) is equal to or greater than 10% of the bidders total contract price, then the bidder must complete this affidavit.

This affidavit shall be provided by the apparent lowest responsible, responsive bidder within **72 hours** after notification of being low bidder.

Affidavit of \_\_\_\_\_ I do hereby certify that on the \_\_\_\_\_  
(Name of Bidder)

(Project Name)  
Project ID# \_\_\_\_\_ Amount of Bid \$ \_\_\_\_\_

I will expend a minimum of \_\_\_\_\_ % of the total dollar amount of the contract with minority business enterprises. Minority businesses will be employed as construction subcontractors, vendors, suppliers or providers of professional services. Such work will be subcontracted to the following firms listed below.

Attach additional sheets if required

Name and Phone Number	*Minority Category	**HUB Certified Y/N	Work Description	Dollar Value

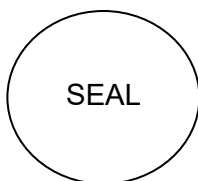
\*Minority categories: Black, African American (**B**), Hispanic (**H**), Asian American (**A**) American Indian (**I**), Female (**F**) Socially and Economically Disadvantaged (**D**)

**\*\* HUB Certification with the state HUB Office required to be counted toward state participation goals.**

Pursuant to GS143-128.2(d), the undersigned will enter into a formal agreement with Minority Firms for work listed in this schedule conditional upon execution of a contract with the Owner. Failure to fulfill this commitment may constitute a breach of the contract.

The undersigned hereby certifies that he or she has read the terms of this commitment and is authorized to bind the bidder to the commitment herein set forth.

Date: \_\_\_\_\_ Name of Authorized Officer: \_\_\_\_\_



Signature: \_\_\_\_\_

Title: \_\_\_\_\_

State of \_\_\_\_\_, County of \_\_\_\_\_

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_

Notary Public \_\_\_\_\_

My commission expires \_\_\_\_\_

# State of North Carolina AFFIDAVIT D – Good Faith Efforts

County of \_\_\_\_\_

(Note this form is to be submitted only by the apparent lowest responsible, responsive bidder.)

If the goal of 10% participation by HUB Certified/ minority business **is not** achieved, the Bidder shall provide the following documentation to the Owner of his good faith efforts:

Affidavit of \_\_\_\_\_ I do hereby certify that on the \_\_\_\_\_  
(Name of Bidder)

Project ID# \_\_\_\_\_ (Project Name) Amount of Bid \$ \_\_\_\_\_

I will expend a minimum of \_\_\_\_\_% of the total dollar amount of the contract with HUB certified/ minority business enterprises. Minority businesses will be employed as construction subcontractors, vendors, suppliers or providers of professional services. Such work will be subcontracted to the following firms listed below. (Attach additional sheets if required)

Name and Phone Number	*Minority Category	**HUB Certified Y/N	Work Description	Dollar Value

\*Minority categories: Black, African American (**B**), Hispanic (**H**), Asian American (**A**) American Indian (**I**), Female (**F**) Socially and Economically Disadvantaged (**D**)

**\*\* HUB Certification with the state HUB Office required to be counted toward state participation goals.**

**Examples** of documentation that may be required to demonstrate the Bidder's good faith efforts to meet the goals set forth in these provisions include, but are not necessarily limited to, the following:

- Copies of solicitations for quotes to at least three (3) minority business firms from the source list provided by the State for each subcontract to be let under this contract (if 3 or more firms are shown on the source list). Each solicitation shall contain a specific description of the work to be subcontracted, location where bid documents can be reviewed, representative of the Prime Bidder to contact, and location, date and time when quotes must be received.
- Copies of quotes or responses received from each firm responding to the solicitation.
- A telephone log of follow-up calls to each firm sent a solicitation.
- For subcontracts where a minority business firm is not considered the lowest responsible sub-bidder, copies of quotes received from all firms submitting quotes for that particular subcontract.
- Documentation of any contacts or correspondence to minority business, community, or contractor organizations in an attempt to meet the goal.
- Copy of pre-bid roster
- Letter documenting efforts to provide assistance in obtaining required bonding or insurance for minority business.
- Letter detailing reasons for rejection of minority business due to lack of qualification.
- Letter documenting proposed assistance offered to minority business in need of equipment, loan capital, lines of credit, or joint pay agreements to secure loans, supplies, or letter of credit, including waiving credit that is ordinarily required.

Failure to provide the documentation as listed in these provisions may result in rejection of the bid and award to the next lowest responsible and responsive bidder.

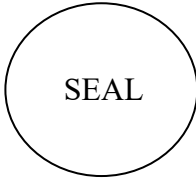
Pursuant to GS143-128.2(d), the undersigned will enter into a formal agreement with Minority Firms for work listed in this schedule conditional upon execution of a contract with the Owner. Failure to fulfill this commitment may constitute a breach of the contract.

The undersigned hereby certifies that he or she has read the terms of this commitment and is authorized to bind the bidder to the commitment herein set forth.

Date: \_\_\_\_\_ Name of Authorized Officer: \_\_\_\_\_

Signature: \_\_\_\_\_

Title: \_\_\_\_\_



State of \_\_\_\_\_, County of \_\_\_\_\_

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_

Notary Public \_\_\_\_\_

My commission expires \_\_\_\_\_

These have also been updated in the Addendum #1 Design Documents (i.e., in the updated specs)

## Wake Tech Fire & Rescue Training Center

### Updated List of Requested Bid Allowances & Unit Prices (Updated 04/16/2025)

Allowance / Unit Price Letter	Allowance / Unit Price Description	Updated Qty to Bid	Unit of Measure
A	Unsuitable Soil – On-Site Disposal and Backfill with On-Site Suitable Soils	1,500	CY
B	Unsuitable Soil – On-site disposal and Backfill with off Site Source Suitable Soils	1,500	CY
C	Unsuitable soil – Off-site disposal and Backfill with On-Site Source Suitable Soils	250	CY
D	Unsuitable Soil – Off-site disposal and Backfill with Off-Site Source Suitable Soils	250	CY
E	Unsuitable Trench Soil – On-site disposal and Backfill with On-Site Suitable Soils	250	CY
F	Unsuitable Trench Soil – On-Site Disposal and Backfill with Off Site Source Suitable Soils	100	CY
G	Unsuitable Trench Soil – Off-Site Disposal and Backfill With On-Site Source Suitable Soils	50	CY
H	Unsuitable Trench Soil – Off-Site Disposal and Backfill with Off-Site Source Suitable Soils	50	CY
I	Stream Crossing – Off-Site Disposal and Backfill with Class B or Class A Rip-Rap.	500	CY
J	Stream Crossing – Off-Site Disposal and Backfill with #4 and/or #57 Stone.	200	CY
K	Stream Crossing – Type 4 Geotextile Fabric.	1,500	SF

#### Interested Bidders:

Please find above the updated quantities to include as Allowances A through K within your sealed bid proposals.

These Allowance quantities should be included in your sealed bid Base proposal value with breakouts provided for each for complete proposal review/understanding.

Unit Prices for Items A through K should also be provided with your sealed bid package. Unit Prices are to be utilized if scope encountered in the field exceeds the included respective Allowance quantities.



WTCC Fire Rescue Training Center - Precon Sched			01 Samet Standard WBS Layout						04-Apr-25																				
Activity ID	Activity Name	Original Duration	emaining Duration	Start	Finish	2025							2026																
						Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct					
A8230	NCDEQ Erosion Control - Final Approval	0	0		24-Jul-25	◆ NCDEQ Erosion Control - Final Approval																							
Site Permitting		0	0																										
Building Permitting		60	60	28-Mar-25	25-Jun-25	25-Jun-25, Building Permitting																							
A3120	Submit for Building Permit (from 100% CD's)	0	0		28-Mar-25	◆ Submit for Building Permit (from 100% CD's)																							
A4100	Bldg Permit Process: Review / Corrections / Resubmit / 2nd Revie	60	60	31-Mar-25	25-Jun-25	Bldg Permit Process: Review / Corrections / Resubmit / 2nd Review																							
A4110	Anticipated Receipt of Bldg Permit	0	0		25-Jun-25	◆ Anticipated Receipt of Bldg Permit																							
Subcontractor Prequal / Bidding / Award & GMP		120	103	19-Nov-24 A	07-Aug-25	07-Aug-25, Subcontractor Prequal / Bidding / Award & GMP																							
Building and Site Packages		0	0																										
P-GMP and GMP		120	103	19-Nov-24 A	07-Aug-25	07-Aug-25, P-GMP and GMP																							
A8000	Subcontractor Prequal	35	36	19-Nov-24 A	01-May-25	Subcontractor Prequal																							
A8890	Assemble and submit Pre-GMP to WTCC	5	5	31-Mar-25	04-Apr-25	Assemble and submit Pre-GMP to WTCC																							
A8040	Bidding Period	23	23	07-Apr-25	08-May-25	Bidding Period																							
A8920	WTCC Review of Pre-GMP & Issue CMAR Contract (required to	15	15	07-Apr-25	28-Apr-25	WTCC Review of Pre-GMP & Issue CMAR Contract (required to open bids)																							
A8960	Bid Period RFI Deadline	0	0		24-Apr-25	◆ Bid Period RFI Deadline																							
A8970	Final Bid Addenda Deadline	0	0		01-May-25	◆ Final Bid Addenda Deadline																							
A8060	BID DUE DATE (1st Round)	0	0		08-May-25	◆ BID DUE DATE (1st Round)																							
A8880	2nd Round of Bidding	10	10	09-May-25	22-May-25	2nd Round of Bidding																							
A8080	CMAR Analyze Bldg Bids & Submit GMP Amendment	10	10	13-May-25	27-May-25	CMAR Analyze Bldg Bids & Submit GMP Amendment																							
A8100	WTCC & A/E Review/Approval of GMP Amendment	5	5	28-May-25	03-Jun-25	WTCC & A/E Review/Approval of GMP Amendment																							
A8340	Notice to Proceed	0	0		03-Jun-25	◆ Notice to Proceed																							
A8120	Subcontractor Awards	45	45	04-Jun-25	07-Aug-25	Subcontractor Awards																							
Procurement		95	95	26-Jun-25	07-Nov-25	07-Nov-25, Procurement																							
Submittals & Shops		35	35	26-Jun-25	14-Aug-25	14-Aug-25, Submittals & Shops																							
B1000	Sitework Submittal & Shops	25	25	26-Jun-25	31-Jul-25	Sitework Submittal & Shops																							
B1100	A/E Review & Release of Sitework Shops	20	20	18-Jul-25	14-Aug-25	A/E Review & Release of Sitework Shops																							
Lead Times & Delivery		60	60	15-Aug-25	07-Nov-25	07-Nov-25, Lead Times & Delivery																							
B5000	Utility Structure Lead Time	45	45	15-Aug-25	17-Oct-25	Utility Structure Lead Time																							
B5100	Ductile Iron Lead Time & Delivery	60	60	15-Aug-25	07-Nov-25	Ductile Iron Lead Time & Delivery																							
CONSTRUCTION PHASE		325	325	18-Jun-25	06-Oct-26	06-Oct-26, Construction Phase																							
Sitework		275	275	18-Jun-25	27-Jul-26	27-Jul-26, Sitework																							
A8380	Mobilize to Site - Construction Entrance/Temp Stream Crossing/Ei	15	15	18-Jun-25	10-Jul-25	Mobilize to Site - Construction Entrance/Temp Stream Crossing/Erosion Control																							
A8390	Remaining Erosion Control Measures and Temp Diversions for Di	10	10	11-Jul-25	24-Jul-25	Remaining Erosion Control Measures and Temp Diversions for Diversion Pond																							
A8400	Diversion Pond	15	15	18-Jul-25	07-Aug-25	Diversion Pond																							
A8410	Remaining Tree Clearing and Site Grading	25	25	08-Aug-25	12-Sep-25	Remaining Tree Clearing and Site Grading																							
A8540	Perminent Stream Crossing with Utilities	10	10	15-Aug-25	28-Aug-25	Permanent Stream Crossing with Utilities																							
A8550	Construct access on site	5	5	29-Aug-25	05-Sep-25	Construct access on site																							
A8420	Building Pad for Burn Building	5	5	08-Sep-25	12-Sep-25	Building Pad for Burn Building																							
Remaining Level of Effort						Page 2 of 4														Construction Schedule									
Actual Work																				© Oracle Corporation									
Actual Level of Effort																													
Remaining Work																													
Milestone																													
Milestone																													

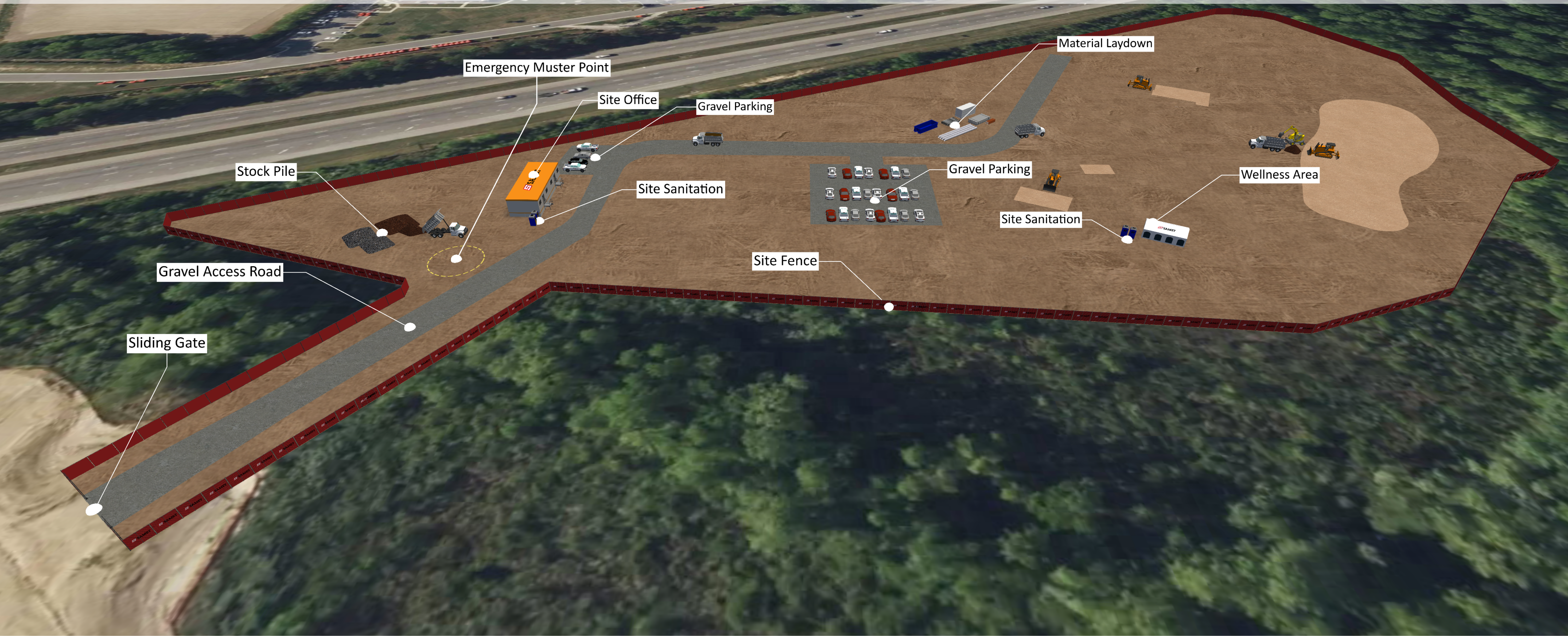


WTCC Fire Rescue Training Center - Precon Sched			01 Samet Standard WBS Layout						04-Apr-25															
Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	2025								2026										
						Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
A8430	Site Utilities (Sewer, Storm, Electric, Water at entrance road)	45	45	15-Sep-25	14-Nov-25																			
A8460	Mobilize Construction Office	5	5	15-Sep-25	19-Sep-25																			
A8440	Building pads for Training Tower and Shade Structure	5	5	29-Sep-25	03-Oct-25																			
A8450	Prep Parking lot area	10	10	20-Oct-25	31-Oct-25																			
A8470	Asphalt Binder - Parking Lot	3	3	03-Nov-25	05-Nov-25																			
A8600	Site Lighting	15	15	03-Nov-25	21-Nov-25																			
A8560	Install Site Water lines	20	20	01-Apr-26	29-Apr-26																			
A8480	Road Prep and Curb and Gutter	20	20	30-Apr-26	28-May-26																			
A8570	Concrete Paving and Flatwork	20	20	29-May-26	26-Jun-26																			
A8580	Ashpalt Paving (Light Duty and Heavy Duty)	15	15	29-Jun-26	20-Jul-26																			
A8860	Landscpaing and Stabilization of Soil	20	20	29-Jun-26	27-Jul-26																			
A8590	Striping/Markings/Road Signage	5	5	21-Jul-26	27-Jul-26																			
Burn Building		200	200	15-Sep-25	06-Jul-26																			
BB1010	Foundations	10	10	15-Sep-25	26-Sep-25																			
BB1020	CIP Concrete Structure	50	50	29-Sep-25	09-Dec-25																			
BB1030	Thermal Lining on Columns	12	12	10-Dec-25	30-Dec-25																			
BB1040	CMU Exterior Walls	35	35	17-Dec-25	10-Feb-26																			
BB1050	Thermal Ceiling Panels	60	60	13-Jan-26	08-Apr-26																			
BB1060	Install Stair Tower	15	15	11-Feb-26	03-Mar-26																			
BB1070	Install Steel Plate Window Shutters and Doors	10	10	04-Mar-26	17-Mar-26																			
BB1080	Interior CMU Walls	40	40	18-Mar-26	13-May-26																			
BB1090	Thermal Flooring Pavers	30	30	16-Apr-26	28-May-26																			
BB1100	Interior Doors and Misc Metal Fabrications	20	20	29-May-26	26-Jun-26																			
BB1105	Fire Protection Standpipe riser and Branch Line	5	5	29-May-26	04-Jun-26																			
BB1110	Install Debris Chute	5	5	29-Jun-26	06-Jul-26																			
Training Tower		163	163	06-Oct-25	02-Jun-26																			
A8490	Foundations	10	10	06-Oct-25	17-Oct-25																			
A8500	CIP Concrete Structure	45	45	20-Oct-25	23-Dec-25																			
A8510	Exterior and Interior CMU Walls (included MEP Rough)	45	45	29-Dec-25	03-Mar-26																			
A8530	Install Stair Tower and Roof Guard Rail	20	20	04-Mar-26	31-Mar-26																			
A8800	Install 2nd floor steel grating walkway	5	5	01-Apr-26	08-Apr-26																			
A8810	Install Steel Plate Window Shutters and Doors	8	8	09-Apr-26	20-Apr-26																			
A8830	Install roof level Guardrails, Rope frames& Ganrty, and Vertical ac	5	5	21-Apr-26	27-Apr-26																			
A8840	Install Interior Doors and interior Misc Metals	20	20	28-Apr-26	26-May-26																			
A8850	Fire Protection Standpipe riser and Branch Line	5	5	27-May-26	02-Jun-26																			
RR Building & Shade Structure		86	86	29-Dec-25	30-Apr-26																			
A8630	Foundations	5	5	29-Dec-25	05-Jan-26																			
Remaining Level of Effort		Actual Work		Critical Remaining Work		Page 3 of 4								Construction Schedule										
Actual Level of Effort		Remaining Work		Milestone										© Oracle Corporation										



WTCC Fire Rescue Training Center - Precon Sched			01 Samet Standard WBS Layout						04-Apr-25																				
Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	2025												2026											
						Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct					
A8680	MEP Underground	5	5	06-Jan-26	12-Jan-26																								
	Slab on Grade	3	3	13-Jan-26	15-Jan-26																								
	Construct CMU Walls and MEP in-wall	5	5	16-Jan-26	23-Jan-26																								
	Structural Steel	3	3	26-Jan-26	28-Jan-26																								
	Cold Form Form Metal Framing	5	5	29-Jan-26	04-Feb-26																								
	Metal Roofing	5	5	05-Feb-26	11-Feb-26																								
	Interior Framing	5	5	12-Feb-26	18-Feb-26																								
	MEP Rough (in-wall, overhead, mech room)	10	10	19-Feb-26	04-Mar-26																								
	Drywall	5	5	05-Mar-26	11-Mar-26																								
	Remaining MEP Devices/Fixtures/ and Interior Finishes	20	20	12-Mar-26	09-Apr-26																								
	Metal Panel Soffit/ceiling	5	5	10-Apr-26	16-Apr-26																								
	Set IT/Elec Equipment	5	5	10-Apr-26	16-Apr-26																								
	Start-up/TAB/CX	10	10	17-Apr-26	30-Apr-26																								
	Covered Storage		35	35	06-Jan-26	24-Feb-26																							
	A8620	Foundations and SOG	10	10	06-Jan-26	20-Jan-26																							
	A8770	Structural Steel and Decking	10	10	21-Jan-26	03-Feb-26																							
	A8780	Roofing and Metal Panels	10	10	04-Feb-26	17-Feb-26																							
	A8790	Painting	5	5	18-Feb-26	24-Feb-26																							
	Drafting Pit		30	30	21-Jan-26	03-Mar-26																							
	A8610	Construct Drafting Pit	30	30	21-Jan-26	03-Mar-26																							
	Testing and Inspections		40	40	29-Jun-26	24-Aug-26																							
	PC1000	Inspections and Testing	25	25	29-Jun-26	03-Aug-26																							
	PC1010	Start-up and Commisioning	10	10	29-Jun-26	13-Jul-26																							
	PC1020	Balancing	5	5	14-Jul-26	20-Jul-26																							
	PC1030	MEP Pre-test	5	5	21-Jul-26	27-Jul-26																							
PC1040	Final Approval - C of O	20	20	28-Jul-26	24-Aug-26*																								
Project Closeout		30	30	25-Aug-26	06-Oct-26																								
A8360	Closeout and Punchlist	30	30	25-Aug-26	06-Oct-26																								
A8370	Project complete	0	0		06-Oct-26																								









WTCC FIRE & RESCUE TRAINING CENTER

PROJECT COMPLETE



RECEIVED  
03/25/2025  
SAMET



**Report of Subsurface Investigation and  
Geotechnical Engineering Evaluation  
Wake Technical Community College  
Fire and Rescue Training Center  
Wendell, North Carolina  
prepared for  
Wake Technical Community College**

Prepared by

NV5 Engineers and Consultants, Inc.  
NC Engineering Corporation F-1333  
3300 Regency Parkway #100 | Cary, N  
919-876-9799

RECEIVED  
03/25/2025  
SAMET

N|V|5

January 11, 2024

Mr. Walter Lennon  
Wake Technical Community College  
[wlennon@waketech.edu](mailto:wlennon@waketech.edu)

**Report of Subsurface Investigation  
and Geotechnical Engineering Evaluation  
Wake Technical Community College  
Fire and Rescue Training Center  
Wendell, North Carolina  
Our Project Number 121-23-113900**


Dear Mr. Lennon:


NV5 Engineers and Consultants, Inc. has completed the authorized subsurface investigation and engineering evaluation for the above referenced project. The enclosed report describes our investigative procedures and presents the results of our testing and evaluation along with comments regarding the geotechnical aspects of this project.

We appreciate the opportunity to work with you on this subsurface investigation and engineering evaluation and are prepared to follow up with the recommended construction materials testing services.

If you have any questions concerning this report, please contact us.

Sincerely,  
NV5 Engineers and Consultants, Inc. (F-1333)

  
Jalen G. Deatherage  
Associate Project Manager

  
Brock Horsley, P.E.  
Principal Geotechnical Engineer

NV5 Engineers and Consultants, Inc.  
NC Engineering Corporation F-1333  
4905 Professional Court, Raleigh, North Carolina 27609  
(919) 876-9799

### **SCOPE OF SERVICES**

The scope of this study was outlined in our proposal dated October 18, 2023. The main objective of the study was to evaluate the subsurface conditions at the subject site and to make recommendations regarding the geotechnical aspects of site preparation, foundation design, and construction. More specifically, the scope of this investigation included the following objectives:

- (1) To evaluate the existing subsurface soil and groundwater conditions within the planned construction area.
- (2) To provide general recommendations for site preparation and site grading, including our evaluation of the potential for rock excavation.
- (3) To provide recommendations for foundation design, including evaluation of the sustainability suitability of the expected shallow foundations, and the allowable soil bearing pressure for support of shallow foundations.
- (4) To make recommendations concerning control of groundwater during construction and on a permanent basis, if necessary.
- (5) To evaluate the suitability of shallow foundation systems for support of the planned construction, and to provide recommendations for a design allowable bearing pressure.
- (6) To provide an evaluation of the Seismic Site Classification.
- (7) To provide recommendations for material types and thicknesses for the planned bituminous concrete pavement systems in the planned parking and driving areas.
- (8) To provide recommendations for achieving high density structural fill capable of satisfactorily supporting the proposed construction.
- (9) To provide pertinent recommendations for construction quality control measures.

## **INVESTIGATIVE PROCEDURES**

### **Field Investigation**

Our subsurface investigation consisted of twenty-two (22) soil test borings within the proposed construction areas (B-1 to B-22). The test boring locations are approximately shown on Figure 1 included in the Appendix. The test borings were performed to approximate depths of 10 feet (B-16 to B-22), 15 feet (B-12 to B-15), and 25 feet (B-1 to B-11) below the existing ground surface.

The locations of the test borings were identified in the field by our representative by using GPS coordinates, a handheld GPS receiver, and measuring distances and angles from known references points. Our scope of services did not include surveying of the planned construction areas or the locations of the test borings. In general, the locations of the test borings should be considered approximate. Ground surface elevations of the test borings were not available.

The test borings were performed using the procedures described in ASTM D-1586. Drilling was completed with an ATV-mounted drill rig equipped with an automatic hammer at 85.4% efficiency. Standard Penetration Testing (SPT) was performed at selected intervals in the test borings to evaluate the strength, relative density and consistency of the soils encountered. The penetration resistance, in conjunction with soil classifications, provides some indication of the engineering characteristics of the soils encountered. ***The standard penetration resistances (N-values) in this report have been energy-corrected for the specific automatic hammer used in this evaluation to a standard penetration resistance of a hammer operating at 60% efficiency (N<sub>60</sub>).***

Detailed descriptions of the soils encountered in each of the test borings are provided in the Test Boring Records included in the Appendix. Groundwater conditions, penetration resistances, and other pertinent information are also included. Since our samples are taken at discrete locations and depths, variations in the materials could be present that are not detected by our industry standard testing procedures used for this project and cannot be delineated in the Test Boring Records.

### **Laboratory Investigation**

The laboratory investigation consisted of a physical examination and classification of all samples obtained from the drilling operation. Classification of the soil samples was performed in general accordance with ASTM D-2488 (Visual-Manual Procedure for Description of Soils). Soil classifications include the use of the Unified Soil Classification System described in ASTM D-2487 (Classification of Soils for Engineering Purposes). The Visual-Manual procedure used for soil classification is a qualitative analysis performed in conjunction with the education, experience and professional judgment of our geotechnical engineer. Quantitative analysis of soil properties, such as those referenced in ASTM D-2487, could result in different soil classifications. In these instances, adjustments to the design and construction may be necessary, depending on the actual conditions. The soil classifications also include our evaluation of the geologic origin of the soils. Evaluations of geologic origin are based on our experience and interpretation and may be subject to some degree of error.



## **GENERAL SITE AND SUBSURFACE CONDITIONS**

### **Site Location and Description**

The site is in the northeast portion of the planned Wake Tech East campus at 5403 Rolesville Road in Wendell, North Carolina. The area southwest of the site consists of completed and ongoing construction for the planned campus. The site consists of a wooded area to the northeast of Inspiration Circle. US-64 is present along the northwest side of the site. Buffalo Creek is present along the east side of the site, and an unnamed stream is present along the south side of the site. A residential subdivision is present to the east, commercial buildings are present to the south and west, and commercial and wooded areas are present to the north.

Based on our review of information available on the Wake County GIS website and observations during our site walkover, the site generally slopes downward from a knoll in the north-central portion of the site toward the south and east with an overall relief of approximately 24 feet.

### **Regional Geology**

Based on a review of geologic maps, it appears that the site is located within the Raleigh Belt of the Piedmont Geologic Province of North Carolina. Soils in this area have been formed by the in-place weathering of the underlying igneous crystalline rock, which accounts for their classification as "residual" soils. Soils in this area generally consist of sandy silts, silts and clays. However, pockets of relatively plastic silts and clays have been encountered within less plastic, coarser grained soils, in many instances. Boulders are commonly encountered within the residual soil mass in this area. Alluvial deposits are common in the areas of creeks and streams.

The residual soils typically become less weathered, coarser grained, and much harder with increased depth. When the residual materials have a standard penetration resistance of 100 blows per foot or greater, they are referred to as partially weathered rock. The transition from soil to partially weathered rock is usually a gradual one and may occur at a wide range of depths. Lenses or layers of partially weathered rock are not unusual in the soil profile.

Partially weathered rock represents the zone of transition between the soil and the underlying rocks from which the soils are derived. The subsurface profile is, in fact, a history of the weathering process. The degree of weathering is most advanced at the ground surface, where fine grained soil may be present. The weathering process is in its early stages immediately above the surface of relatively sound rock, where partially weathered rock may be found.

The thickness of the zone of partially weathered rock and the depth to the rock surface have both been found to vary considerably over relatively short distances. The depth to the rock surface in the area has generally been found to range from about 10 to 60 feet below the ground surface.

Stream valleys in this area often contain alluvial (water deposited) soils, depending on ground surface topography, stream flow characteristics, and other factors. By nature, alluvial soils can be highly variable depending upon the energy regime at the time of deposition. Coarse materials such as sand or gravel are deposited in higher energy environments, while fine grained materials such as silt and clay are deposited in low energy environments. Alluvial soils may also contain significant amounts of organic materials, and are frequently in a loose, saturated condition. In many cases, fine grained alluvial soils will be highly compressible and have relatively low shear strength.

### **General Subsurface Conditions**

Approximately 7 to 8 inches of topsoil were encountered in all of the test borings. The thickness of topsoil materials may be quite variable and could be significantly different at other locations on the site. This is

especially true in wooded areas, where our experience indicates that topsoil thicknesses are typically greater. Therefore, the reported topsoil thickness should not be used for detailed quantity estimates.

Beneath the topsoil in all soil test borings, residual soils were encountered. The residual soils consisted of sandy and silty clays (CL), sandy silts (ML), silty sands (SM), and elastic silts (MH) that extended to boring termination depths of approximately 5.5 to 25 feet below the existing ground surface. The elastic silts were encountered in test borings B-11 and B-14 at depths of approximately 5.5 to 25 feet and 8 to 20 feet, respectively. The energy-corrected standard penetration resistances ( $N_{60}$  values) in the elastic silts ranged from weight of hammer (0) to 4 blows per foot. In the upper approximate 3 feet of test borings B-2, B-6 to B-12, B-14, B-15, and B-20 to B-22,  $N_{60}$  values ranged from 3 to 10 blows per foot. In test borings B-9, B-11, B-14, and B-17,  $N_{60}$  values ranged from weight of hammer (0) to 46 blows per foot throughout the depths explored. In the other test borings and below the upper approximate 3 feet in the above mentioned test borings,  $N_{60}$  values ranged from 11 to 98 blows per foot.

Partially weathered rock was encountered in B-2 to B-8, B-10, B-12, B-13, B-15, and B-19. Partially weathered rock denotes residual material which has a standard penetration resistance of 100 blows per foot or greater. The depth to the surface of the partially weathered rock ranged from 3 to 12 feet below the existing ground surface.

Auger refusal was encountered in test borings B-3, B-4, B-6, B-7, B-8, B-10, B-13, and B-19 at depths of approximately 5 to 23.5 feet below the existing ground surface. Auger refusal is the depth at which the boring cannot be further advanced using conventional soil drilling techniques. The materials causing auger refusal may consist of a boulder, a lens or layer of rock, the upper surface of relatively massive rock, or other hard material.

At the time of the drilling operation, groundwater was encountered in test borings B-1, B-4, B-11, and B-14 at depths of approximately 9 to 16 feet below the existing ground surface. It should be noted that groundwater levels will fluctuate, depending on seasonal variations of precipitation and other factors, and may occur at higher elevations at some time in the future. For more detailed descriptions of subsurface soil and groundwater conditions, please refer to the Test Boring Records included in the Appendix.

### **Proposed Construction**

Project information has been provided by Mr. Michael Allen with NV5 Engineers and Consultants, Inc., we understand that construction will consist of a planned fire rescue and training center for the Wake Tech East campus which will include several structures, associated parking and drive areas, and three (3) stormwater ponds. The planned construction will include an auxiliary building, an apparatus bay, a burn materials covered storage, a training tower, a burn building, and a shade structure. Additional site features include a technical rescue area, a roof ventilation prop, a dumpster pad, a flashover prop, a drafting pit, a vehicle extraction, a hazmat training pad, a propane tank storage area, an outdoor fire prop pad, a future prop area, and a mechanical yard. The planned parking areas include approximately 40 automobile parking spaces and 5 fire truck parking spaces. For purposes of this report, we have estimated traffic of 200 automobiles per day, 1 dumpster truck per week, 1 delivery truck per week, and 25 fire trucks per day. If actual traffic volumes are greater than these assumed maximums, please contact us and we will review our recommendations for their applicability. Provided loading information is shown in the following table.

Planned Structure	Provided Column Loads	Provided Wall Loads
Auxiliary Building	30 kips (max)	--
Apparatus Bay	--	7.5 kips per lin. ft. (max)
Shade Structure	--	4 kips per lin. ft. (max)
Burn Materials Covered Storage	10 kips (max)	--
Burn Building	284 kips (max), 169 kips (typical)	--
Training Tower	253 kips (max), 177 kips (typical)	--

## **EVALUATIONS AND RECOMMENDATIONS**

The following recommendations are based on the information available on the proposed construction, the data obtained from our field and laboratory investigation, and our experience with soils and subsurface conditions similar to those encountered at this site. Please note that the soil test borings represent a very small statistical sampling of subsurface conditions. Therefore, conditions may be encountered during construction that are substantially different than those indicated by the borings. In these instances, adjustments to the design and construction may be necessary depending on actual conditions.

### **General Site Preparation**

All trees, underbrush, weeds, grass, topsoil, roots, and other deleterious materials should be removed from the proposed construction area. Special attention should be given to the removal of tree stumps within the proposed construction area. Extensive root systems and localized soft soils are commonly encountered during removal of large tree stumps. Site clearing, grubbing, and stripping should be performed only during dry weather conditions. Operation of heavy equipment on the site during wet conditions could result in excessive mixing of topsoil and organic debris with clean underlying soils.

Soft/loose near surface soils were encountered in the upper approximate 3 feet of test borings B-2, B-6, B-7, B-8, B-9, B-20, B-21, and B-22, and it is possible that soft/loose near surface soils could be encountered in unexplored portions of the site, especially near the low-lying portions of the site. Depending on the conditions encountered at the time of construction and the planned grading, it is possible that excavation and replacement of the soft/loose near surface soils with structural fill soils will be required. As an alternative, where the soft, wet soils do not extend to depths greater than 2 feet below the ground surface, drying and recompacting the soils in-place may reduce the volume of undercut required.

Elastic silts were encountered at approximate depths of 5.5 to 25 feet in soil testing boring B-11 and at approximate depths of 8 to 20 feet in soil testing boring B-14. These soils are typically difficult to work with when wet, and equipment mobility on the site will be limited during times of wet weather. Elastic silts may be encountered in unexplored portions of the site. We suggest that site grading operations occur during dry weather conditions. In general, we recommend that if any elastic silts are encountered that they be removed in the upper 3 feet in building and pavement areas. Elastic silts can possibly be used as fill in areas to be landscaped, in areas where at least 3 to 5 feet of low plasticity soils can be placed above them, and within pond dam construction.

After completion of site clearing, we recommend that proofrolling operations be performed. All areas of the site which are to receive fill should be proofrolled prior to placement of structural fill. Areas of proposed excavation should be proofrolled after rough finished subgrade is achieved. Proofrolling should be performed using a loaded dump truck weighing at least 25 tons. Proofrolling should be accomplished by performing at least 3 passes in each of two perpendicular directions within entire construction areas, and 10 feet beyond. Any unsuitable materials that may be present, and any low consistency soils that are encountered which cannot be adequately densified in place, should generally be removed and replaced with well compacted fill material placed in accordance with the Structural Fill section of this report. Proofrolling should facilitate the identification of soft surficial soils but should not be expected to reveal soft conditions more than 2 feet below the ground surface at the time of proofrolling.

We recommend that site preparation operations be performed during times of dry weather. While wet weather can occur at any time during the year, the summer and early fall are times when drier weather is generally prevalent. Scheduling site grading during this time frame would reduce the probability of softening of the near surface soils from inclement weather conditions. If the existing soils at the site become softened from exposure to inclement weather, they should be dried, if necessary, and compacted to a minimum of 95 percent of their standard Proctor maximum dry density prior to fill placement operations or roadway construction.

During site preparation, burn pits or trash pits may be encountered. On sites located in developed areas, this is not an unusual occurrence. All too frequently, such buried material occurs in isolated areas which are not detected by the soil test borings. Any buried waste, construction debris, or trash which is found during the construction operation should be thoroughly excavated and removed from the site.

### **Excavation Characteristics**

For the purpose of discussing excavation characteristics, the materials found in the previous and recent test borings and/or expected at the site may be placed into three broad categories: (1) residual soils, (2) partially weathered rock, and (3) rock.

The majority of the residual soils at the project site should generally be excavatable with conventional soil excavation equipment, such as scrapers, loaders, etc. However, harder residual soils (penetration resistances above 50 blows per foot) may be difficult to excavate. Ripping of harder soils may be required to efficiently achieve excavation.

Partially weathered rock was encountered in B-2 to B-8, B-10, B-12, B-13, B-15, and B-19 to depths of approximately 3 to 25 feet below the existing ground surface. Although materials identified as partially weathered rock may in some cases be excavatable with conventional soil excavation equipment, we believe that it is wise to assume that partially weathered rock will require ripping to efficiently achieve excavation. The thickness and the continuity of partially weathered rock should be expected to vary widely even over a relatively short distance. Additionally, it would not be unusual to find additional lenses of partially weathered rock within more weathered residual soils. It should be noted that some of the test borings encountered zones of partially weathered rock which allowed little or no penetration of our sampling equipment. These zones are indicated on the Test Boring Records by penetration resistances of 50 blows for 6 inches or less. It is likely that these zones of partially weathered rock cannot be efficiently pre-loosened by ripping. In such instances, blasting will be necessary.

Ripping can probably best be achieved with a single-tooth ripper mounted on a large tractor such as a Caterpillar D-8 or larger. In small area excavations, such as footing and utility trenches, excavation of partially weathered rock may require the use of heavy excavators or pneumatic jackhammers.

Rock was encountered in our test borings B-3, B-4, B-6, B-7, B-8, B-10, B-13, and B-19, to the boring termination depths of 5 to 23.5 feet below the existing ground surface. Rock, as used in this report, is defined as auger refusal of our conventional soil drilling equipment. For planning purposes, we believe it would be prudent to assume that blasting or other methods will be required for excavations below these depths.

We recommend that the project specifications include a clear definition of excavation types to prevent field discussions regarding excavation of hard materials. We have enclosed our standard Rock Excavation Specifications for your use. We recommend that these be incorporated into the project earthwork specifications.

It is important to note that the depth to rock or partially weathered rock may vary quite rapidly even over relatively short distances. It would not be unusual for rock or partially weathered rock to occur at higher elevations between or around the soil test borings. Additionally, it is important to realize that groundwater levels will fluctuate and could occur at significantly higher elevations at some time in the future.

### **Earth Slopes**

Temporary construction slopes should be designed in strict compliance with the most recent OSHA regulations. The test borings indicate that there are Type B (clay and silt) and Type C (sand) materials as defined in the *Occupational Safety and Health Standards for the Construction Industry (29 CFR, Part 1926, Subpart P), July 1, 2001*. This dictates that temporary construction slopes for excavation depths up to 20 feet can be no steeper than the following horizontal (H) to vertical (V) ratios:

OSHA Soil Type	USCS Soil Classification	Maximum Temporary Slope (H:V)
Type B	ML, MH, and CL	1:1
Type C	SM	1.5:1

Any otherwise unsuitable soils may require flatter excavation slopes. We note that blasted rock should not be considered stable rock and will likely require flatter excavation slopes. A competent person as defined by OSHA guidelines should be present to determine the type of material exposed during trench excavations. Temporary construction slopes should be closely observed for signs of mass movement: tension cracks near the crest, bulging at the toe of the slope, etc. If potential stability problems are observed, the geotechnical engineer should be immediately contacted. The responsibility for excavation safety and stability of construction slopes should lie solely with the contractor.

We recommend that permanent cut or fill slopes be no steeper than 2.5 (H) to 1.0 (V) to maintain long term stability and to provide ease of maintenance. Slopes constructed steeper than 2.5 (H) to 1.0 (V) could be highly susceptible to erosion, will be difficult to maintain, and could experience large scale slope failure in some instances. The crest or toe of cut or fill slopes should be no closer than 15 feet to any building foundation. The crest or toe should be no closer than 5 feet to the edge of any pavements.

### **Groundwater Control**

As noted above, groundwater was encountered in our test borings B-1, B-4, B-11, and B-14. Perched groundwater conditions were present in test borings B-2, B-4 through B-10, B-12 through B-15, and B-22. Perched groundwater conditions consist of sandy soils on top of impermeable layers such as clay or partially weathered rock. If groundwater is encountered in shallow excavations, including foundation and utility trench excavations, construction dewatering may be performed by pumping directly from the trench excavations. If pumping from trench excavations proves to be ineffective, then the use of well points or other methods may be required. Pumping from dewatering trenches should be done with care to prevent loss of soil fines, boils, or instability of slopes. In certain cases, gravity flow in a trench may be sufficient for effective dewatering.

We must emphasize that dewatering requirements will be dictated by groundwater conditions at the time of construction. The contractor should use a technique or combination of techniques which achieves the desired result under actual field conditions.

### **Seasonal High Water Table Evaluation**

#### **SCM #1**

We evaluated the depth to the seasonal high-water table (SHWT) in the area of the planned pond SCM #1 (B-12). Residual soils consisting of sandy silts (ML) were encountered at this location in the upper approximate 5.5 feet. Residual soils consisting of silty sands (SM) were encountered at this location from a depth of 5.5 to 12 feet. Layers of partially weathered rock were below this depth to the boring termination depth of approximately 15 feet below the existing ground surface. Groundwater was not encountered in test boring B-12. A review of soil information available from the USDA Web Soil Survey indicates that in the area of test boring B-12, Rawlings (RgC) series soils are present. The RgC soils have a reported water table of greater than 80 inches. Based on the review of soil test boring B-12 groundwater was not encountered to the termination depth of 15 feet. Therefore, it is our opinion that the SHWT for SCM #1 is greater than 80 inches below the existing ground surface.

#### **SCM #2**

We evaluated the depth to the seasonal high-water table (SHWT) in the area of the planned pond SCM #2 (B-13). Residual soils consisting of silty sands (SM) were encountered at this location in the upper



approximate 3 feet. Layers of partially weathered rock were below this depth to the boring termination depth of approximately 5.5 feet below the existing ground surface. Groundwater was not encountered in test boring B-13. A review of soil information available from the USDA Web Soil Survey indicates that in the area of test boring B-13, Rawlings (RgC) series soils are present. The RgC soils have a reported water table of greater than 80 inches. Based on the review of soil test boring B-13 groundwater was not encountered to the termination depth of 5.5 feet. Therefore, it is our opinion that the SHWT for SCM #2 is greater than 80 inches below the existing ground surface.

### SCM #3

We evaluated the depth to the seasonal high-water table (SHWT) in the area of the planned pond SCM #3 (B-14 and B-21). For test boring B-14, residual soils consisting of sandy clays (CL) were encountered at this location in the upper approximate 3 feet, silty sands from 3 to 5.5 feet, silty clays (CL) from 5.5 to 8 feet, and elastic silts (MH) from 8 to the termination depth of 20 feet below the existing ground surface. Groundwater was encountered in test boring B-14 at approximately 9 feet below the existing ground surface. For test boring B-21, residual soils consisting of silty sands (SM) were encountered at this location in the upper approximate 3 feet and sandy silts were encountered from 3 feet to the termination depth of approximately 10 feet below the existing ground surface. Groundwater was not encountered in test boring B-21. A review of soil information available from the USDA Web Soil Survey indicates that in the area of test boring B-14 and B-21, Chewacla and Wehadkee (ChA) series soils are present. The ChA soils have a reported seasonal high water table of 0 to 12 inches. Our experience indicates that this is likely due to the presence of floodplain soils associated with the adjacent stream and is a perched groundwater condition. Therefore, it is our opinion that the SHWT for SCM #3 is within the upper foot of the existing ground surface.

### Foundation Design

After the above-described site preparation and site grading are complete, it is our opinion that the proposed structures may be supported on conventional shallow foundations. Based on the test boring results, provided structural loading conditions, and our past experience, ***we recommend that the shallow foundations be designed using an allowable soil bearing pressure of 2,500 pounds per square foot (psf) for all proposed structures. It is important to note that our allowable soil bearing pressure is based on the provided structural loading conditions for each structure. If any loads for any structure exceeds the provided maximums, please contact us for reevaluation.*** The use of this allowable soil bearing pressure assumes that any soft/loose soils in the upper approximate 3 feet of finished grades will be removed and replaced with suitable compacted structural fill or ABC stone. This also assumes that finished site grades in the planned building area will be at or above the existing site grades. Based on our assumed site preparation, loading conditions, and the site elevation information above, the estimated total foundation settlement is expected to be less than 1 and differential settlement less than ¼ inch if the recommended foundation bearing pressure is used. Please contact us to reevaluate our recommendations if actual loads are greater than the provided anticipated loads.

We recommend a minimum width of 18 inches for continuous wall footings and 24 inches for isolated column footings to prevent localized shear failure. Footings should bear at a minimum depth of 18 inches below the prevailing exterior ground surface elevation to provide the recommended bearing capacity and to avoid potential problems due to frost heave.

Detailed footing examinations should be performed in each footing excavation prior to placement of reinforcing steel. These examinations should be performed by our representative to confirm that the design allowable soil bearing pressure is available. The footing examinations should be performed using a combination of visual observation, hand rod probing, and dynamic cone penetrometer testing. Dynamic cone penetrometer testing, as described in ASTM STP-399, should be performed at no greater than 20-foot intervals in continuous wall footings. If the shallow subsurface conditions are not suitable for the recommended design bearing capacity, our representative will review the conditions with our project

Geotechnical Engineer. Recommendations will be developed to be immediately implemented in order to minimize construction delays.

Soft/loose soils were encountered in the upper approximate 3 feet of test borings B-2, B-6, B-7, B-8, B-9, B-20, B-21, and B-22, and it is possible that some soft/loose near surface soils may also be encountered in unexplored portions of the site. If these soils are not removed and replaced during site grading operations, remedial measures will likely be required during foundation construction.

We must emphasize the importance of quality control during the placement of structural fill. Performance of building foundations which are supported by structural fill material will depend largely on achieving the recommended level of compaction on fill materials. Compacted soil densities less than the recommended percentage of the standard Proctor maximum dry density could result in excessive foundation settlement.

Exposure to the environment may weaken the soils at the foundation bearing surface if they are exposed for extended periods of time. If the foundation bearing surface becomes softened due to exposure, the soft soils should be removed prior to placement of concrete.

### **Concrete Slabs-On-Grade**

Based on our test boring results, and the anticipated site grading operations, we recommend that a design modulus of subgrade reaction (k) value of 100 pounds per cubic inch (pci) be used for concrete slabs-on-grade. We note that this modulus of subgrade reaction value is the expected value for a 1 foot by 1-foot loaded area. If the structural design of the slab requires a subgrade reaction modulus value adjusted for the size or shape of the subject slab, please contact us for re-evaluation. This recommended value also assumes that any fill soils will consist of sandy silts and that the subgrade soils and fill soils will be compacted to a minimum of 98 percent of their standard Proctor (ASTM D-698) maximum dry density in the upper 12 inches.

In order to provide a stable working platform, we recommend that all slab-on-grade construction be underlain by a minimum 4-inch thickness of compacted ABC stone. We also recommend that a plastic vapor barrier be utilized.

Construction activities and exposure to the environment often cause deterioration of the prepared slab-on-grade subgrade. Therefore, we recommend that the subgrade soils be evaluated by our representative immediately prior to floor slab construction. This evaluation may include a combination of visual observations, proofrolling observations, and field density tests to verify that the subgrade has been properly prepared. If soft areas are encountered, recommendations for remedial measures should be provided by our project geotechnical engineer.

### **Pavement Design Recommendations**

Based on the above-described site preparation recommendations, we anticipate that the pavement area subgrade soils will consist primarily of sandy silts and silty sands. Based on our experience, these materials may reasonably have a California Bearing Ratio (CBR) ranging from approximately 5 to 15, if compacted to at least 100% of the standard Proctor maximum dry density in the top 8 inches. The CBR could be different than these assumed values if off-site fill materials are imported.

For purposes of pavement design, we have used a California Bearing Ratio of 5 for the pavement subgrade soils and the loading conditions described previously in this report. Based on the AASHTO design method, a 20-year design life, and our past experience, we suggest the following design pavement sections for the planned development:

Pavement Type	Heavy Duty Flexible	Heavy Duty Flexible (Alternate)	Light Duty Flexible
Surface Course	2 inches S9.5B (two 1-inch lifts)	1.5 inches S9.5B (one lift)	3 inches S9.5B (two 1.5-inch lifts)
Intermediate Course	4 inches I19.0B	2.5 inches I19.0B	--
Base Course	8 inches ABC	10 inches ABC	8 inches ABC

The bituminous concrete surface course should be type S9.5B (2022), and the bituminous concrete intermediate course should be type I19.0B (2022) in accordance with Division 6 of the current NCDOT Standard Specifications. Aggregate base course (ABC) stone should be in accordance with Division 5 of the current NCDOT Standard Specifications. Proper subgrade compaction and adherence to the NCDOT and project specifications, along with pavement maintenance operations, are critical to proper pavement performance.

Pavement Type	Heavy Duty Rigid	Light Duty Rigid
Portland Cement Concrete (PCC)	6 inches NCDOT Class AA PCC (4500 psi at 28-days)	4 inches NCDOT Class A PCC (3000 psi at 28 days)
Base Course	6 inches ABC stone	4 inches ABC stone

Construction joints and other design details should be in accordance with guidelines provided by the Portland Cement Association and the American Concrete Institute. The rigid pavement system should be constructed in accordance with section 700 of the NCDOT Standard Specifications.

The recommended pavement sections are designed to support the traffic volumes expected after completion of the planned construction. If construction traffic is allowed to use the recommended pavement sections, some damage requiring repair should be expected.

### **Seismic Site Classification**

We have reviewed our test boring results and pertinent geological maps to determine a seismic site classification in accordance with the International Building Code (IBC). The IBC provides a method to estimate a site's seismic classification based on the average standard penetration resistances of the upper 100 feet of a soil profile. Our maximum test boring depth was to an approximate depth of 25 feet below the existing ground surface. We have also used the results of test borings performed on other sites in the area, as well as our experience with similar conditions, to estimate the seismic classification for the subject site. Based on our review, experience, and the results of our test borings, the site should be classified as **Type D** in accordance with the IBC. If the Seismic Site Classification is critical to design, consideration should be given to performing shear wave testing at the site to confirm the Seismic Site Classification.

### **Suitability of Excavated Material for Reuse as Structural Fill**

Based on the field and laboratory investigation performed, the residual sandy clays (CL), sandy silts (ML), and silty sands (SM) should generally be suitable for use as structural fill on the site. The elastic silts (MH) may only be used as structural fill 3 feet below the finish grades. The in-place maximum dry density of structural fill soils should be no less than 90 pounds per cubic foot. Some moisture conditioning will likely be required to obtain the recommended level of compaction.



**Structural Fill**

In order to achieve high density structural fill, the following recommendations are offered:

- (1) Materials selected for use as structural fill should be free of vegetable matter, waste construction debris, and other deleterious materials. The material should not contain rocks having a diameter over 3 inches. It is our opinion that the following soils represented by their USCS group symbols will typically be suitable for use as structural fill: (ML), (CL), (SM), and (SC). Due to the potential for developing a perched groundwater condition, the following soils should be considered unsuitable as structural fill: (SW), (SP), (SP-SM), and (SP-SC). At depths greater than 3 feet below finished grades, the following soil types will typically be suitable for use as structural fill: (CH) and (MH). The following soil types are considered unsuitable: (OL), (OH), and (Pt).
- (2) Laboratory Proctor compaction tests and classification tests should be performed on representative samples obtained from the proposed borrow material to provide data necessary to determine acceptability and for quality control. The moisture content of suitable borrow soils should generally not be more than 3 percentage points above or below optimum at the time of compaction. Tighter moisture limits may be necessary with certain soils.
- (3) Suitable fill material should be placed in thin lifts (lift thickness depends on type of compaction equipment, but in general, lifts of 8 inches loose measurement are recommended). The soil should be compacted by mechanical means such as steel drum or sheepsfoot rollers. Proofrolling with rubber tired, heavily loaded vehicles may be desirable at approximately every third lift to bind the lifts together and to seal the surface of the compacted area thus reducing potential for absorption of surface water following a rain. This sealing operation is particularly important at the end of the workday and at the end of the week. Within small excavations, we recommend the use of "wacker packers" or diesel sled tamps and loose lift thicknesses of 4 to 6 inches to achieve the specified compaction.
- (4) We recommend that structural fill be compacted to a minimum of 95% of the standard Proctor maximum dry density (ASTM Specification D-698). Additionally, the in-place maximum dry density of structural fill should be no less than 90 pounds per cubic foot (pcf). The upper 12 inches of floor slab subgrades should be compacted to at least 98% of the standard Proctor maximum dry density (ASTM D-698). Fill materials in pavement areas should be placed and compacted in accordance with NCDOT Standards and Specifications.
- (5) An experienced soil engineering technician should take adequate density tests throughout the fill placement operation to verify that the specified compaction is achieved. It is particularly important that this be accomplished during the initial stages of the compaction operation to enable adjustments to the compaction operation, if necessary.

**ADDITIONAL SERVICES RECOMMENDED**

Additional engineering and testing services recommended for this project are summarized below:

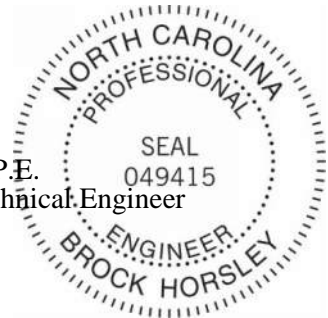
- (1) Site Preparation Observations: Proofrolling should be observed by our representative to determine if remedial measures are necessary in certain instances. Removal of any encountered unsuitable soils should be monitored by our representative to verify that adequate, but not excessive, removal is accomplished.
- (2) Quality Control of Fill Placement and Compaction: We recommend that an experienced engineering technician witness all required filling operations and take sufficient in-place density tests to verify that the specified degree of compaction has been achieved. Soil engineering judgments will be involved and should be made by our project geotechnical engineer with information provided by our engineering technician.
- (3) Footing and Slab Evaluations: Footing and slab areas for this project should be evaluated by our representative. The purpose of these evaluations will be to verify that the design soil bearing pressure is available and that subgrade areas are properly prepared.
- (4) Pavement Components Testing and Inspection: Pavement components should be tested and inspected during and following construction to verify compliance with project plans and NCDOT Standard Specifications.

The attached Appendix completes this report.

Sincerely,  
NV5 Engineers and Consultants, Inc. (F-1333)

  
Jalen G. Deatherage  
Associate Project Manager

Brock Horsley, P.E.  
Principal Geotechnical Engineer



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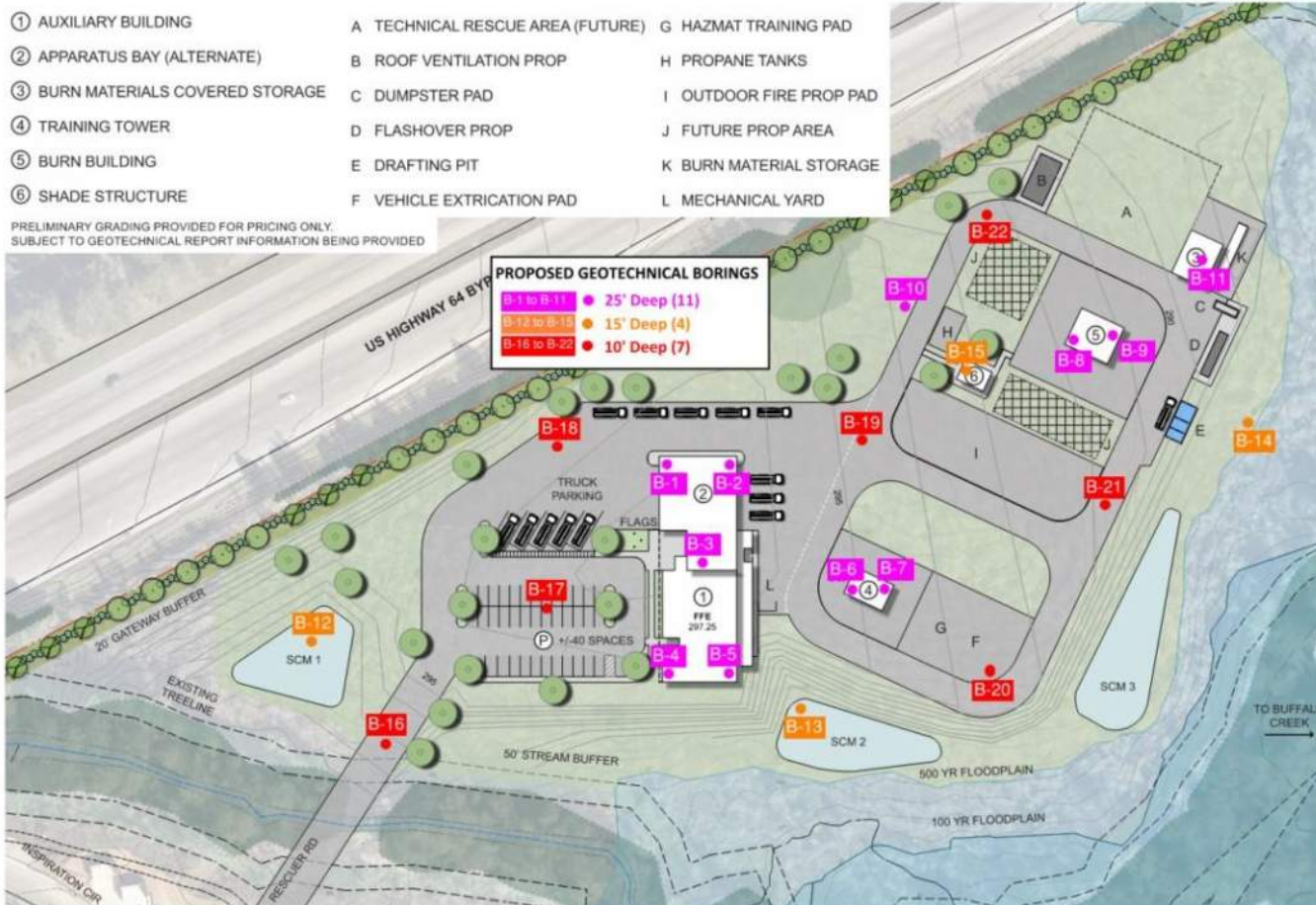
## APPENDIX

### **Rock Excavation Specifications**

Excavation Classifications: The classifications of excavation below will be made when rock excavation is encountered in work. Do not perform such work until material to be excavated has been cross-sectioned and classified by the Geotechnical Engineer. Such excavation will be paid on basis of contract conditions relative to changes in work.

1. Earth excavation includes removal and disposal of pavements and other obstructions visible on surface; underground structures and utilities indicated to be demolished and removed; along with earth and other materials encountered that are not classified as rock or unauthorized excavation.
2. Rippable rock excavation consists of removal and disposal of a formation that can not be removed with standard soil excavation equipment such as backhoes and pans, but can be removed with a Caterpillar D-8 or equivalent bulldozer mounted with a single tooth ripper. Mass rock excavation consists of the removal and disposal of a formation that cannot be excavated with a Caterpillar D-8 bulldozer or equivalent, mounted with a single tooth ripper. Trenches in excess of 10 feet in width and pits in excess of 30 feet high in either length or width are classified as mass rock excavation.
3. In trench excavations for footings and utilities, trench rippable rock excavation shall be the removal and disposal of a formation that can not be excavated using standard soil excavation equipment such as a backhoe, but can be removed with a Caterpillar 322 track mounted excavator or similar equipment, equipped with a  $\frac{3}{4}$  cubic yard bucket equipped with rock teeth.. In trench excavations for footings and utilities, trench rock excavation shall be the removal and disposal of a formation that cannot be excavated with a Caterpillar 322 track mounted excavator or equivalent, equipped with a  $\frac{3}{4}$  cubic yard bucket equipped with rock teeth.
4. The owner's testing agency or architect shall be the final judge as to what is to be classified as rock excavation. The contractor shall provide the specified equipment at the site to confirm rock excavation.
5. Intermittent ripping or drilling and blasting to increase production and not necessary to permit excavation will be classified as earth excavation.
6. Rippable rock and rock payment lines are as follows:
  - A. Two feet outside of concrete work for which forms are required, except footings.
  - B. One foot outside perimeter of footings.
  - C. In pipe trenches, 6 inches below invert elevation of pipe and two feet wider than inside diameter of pipe, but not less than 3 feet minimum trench width.
  - D. For drainage structures, 18 inches outside of structure dimension, and 6 inches below bottom of structure.
  - E. Neat outside dimensions of concrete work where no forms are required.
  - F. Under slabs-on-grade, 6 inches below bottom of concrete slab.
  - G. Under pavements, 6 inches below planned subgrade elevation.
7. Field verification of rippable rock and rock quantities shall be performed by the owner's testing agency or a registered land surveyor.
8. Remove all excavated material classified as rock from the site.
9. Unauthorized excavation consists of removal of materials beyond indicated subgrade elevations or dimensions without specific direction of the architect. Unauthorized excavation, as well as remedial work associated with unauthorized excavation, shall be at Contractor's expense.





Not to Scale

Figure 1. Approximate Boring Locations

## Symbols and Nomenclature

I	Undisturbed Sample (UD)
●	Standard penetration resistance (ASTM D-1586)
100/2"	Number of blows (100) to drive the spoon a number of inches (2)
W-O-H, R	Weight of Hammer, Weight of Rods
AX, BX, NX	Core barrel sizes for rock cores
65%	Percentage of rock core recovered
RQD	Rock quality designation - % of core 4 or more inches long
▼	Water table at least 24 hours after drilling
▼	Water table one hour or less after drilling Loss of drilling water
△	A Atterberg Limits test performed
C	Consolidation test performed
GS	Grain size test performed
T	Triaxial shear test performed
P	Proctor compaction test performed
18	Natural moisture content (percent)








## Penetration Resistance Results

Sands	SPT N-60-Value Penetration (blows/ft)	Relative Density Descriptor
	0-4	Very Loose
	5-10	Loose
	11-20	Firm
	21-30	Very Firm
	31-50	Dense
	Over 50	Very Dense
Silts and Clays	SPT N-60-Value Penetration (blows/ft)	Relative Density Descriptor
	0-1	Very Soft
	2-4	Soft
	5-8	Firm
	9-15	Stiff
	16-30	Very Stiff
	31-50	Hard
	Over 50	Very Hard





## Drilling Procedures

Soil sampling and standard penetration testing performed in accordance with ASTM D-1586. The standard penetration resistance is the number of blows of a 140 pound hammer falling 30 inches to drive a 2 inch O.D., 1.4 inch I.D. split spoon sampler one foot. Core drilling performed in accordance with ASTM D-2113. Undisturbed sampling performed in accordance with ASTM D-1587.

## SAMPLE/SAMPLER TYPE GRAPHICS

	AUGER SAMPLE
	STANDARD PENETRATION SPLIT SPOON SAMPLER
	BULK / GRAB SAMPLE
	MODIFIED CALIFORNIA SAMPLER
	SHELBY TUBE SAMPLER
	HQ ROCK CORE SAMPLE
	NQ ROCK CORE SAMPLE

























## GROUNDWATER LEVEL GRAPHICS

	WATER LEVEL (during drilling operations)
	WATER LEVEL (immediately after drilling completion)
	WATER LEVEL (additional levels after drilling completion)
	OBSERVED SEEPAGE

## NOTES

- The report and graphics key are an integral part of these logs. All data and interpretations in this log are subject to the explanations and limitations stated in the report.
- Lines separating strata on the logs represent approximate boundaries only. Actual transitions may be gradual or differ from those shown.
- No warranty is provided as to the continuity of soil or rock conditions between individual sample locations.
- In general, Unified Soil Classification System (USCS) designations presented on the logs were based on visual classification in the field and were modified where appropriate based on gradation and index property testing.
- If sampler is not able to be driven at least 6 inches then Y/X indicates Y number of blows required to drive the identified sampler X inches with a 140 pound hammer falling 30 inches.

## UNIFIED SOIL CLASSIFICATION SYSTEM (ASTM D 2487)

GRAVELS (More than half of coarse fraction is larger than the #200 sieve)	CLEAN GRAVEL WITH <5% FINES	$Cu \geq 4$ and $1 \leq Cc \leq 3$		GW	WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES WITH LITTLE OR NO FINES
		$Cu < 4$ and/or $1 > Cc > 3$		GP	POORLY-GRADED GRAVELS, GRAVEL-SAND MIXTURES WITH LITTLE OR NO FINES
	GRAVELS WITH 5 TO 12% FINES	$Cu \geq 4$ and $1 \leq Cc \leq 3$		GW-GM	WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES WITH LITTLE FINES
		$Cu < 4$ and/or $1 > Cc > 3$		GW-GC	WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES WITH LITTLE CLAY FINES
		$Cu < 4$ and/or $1 > Cc > 3$		GP-GM	POORLY-GRADED GRAVELS, GRAVEL-SAND MIXTURES WITH LITTLE FINES
				GP-GC	POORLY-GRADED GRAVELS, GRAVEL-SAND MIXTURES WITH LITTLE CLAY FINES
	GRAVELS WITH >12% FINES			GM	SILTY GRAVELS, GRAVEL-SILT-SAND MIXTURES
				GC	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES
				GC-GM	CLAYEY GRAVELS, GRAVEL-SAND-CLAY-SILT MIXTURES
COARSE GRAINED SOILS (More than half of coarse fraction is smaller than the #4 sieve)	CLEAN SANDS WITH <5% FINES	$Cu \geq 6$ and $1 \leq Cc \leq 3$		SW	WELL GRADED SANDS, SAND-GRAVEL MIXTURES WITH LITTLE OR NO FINES
		$Cu < 6$ and/or $1 > Cc > 3$		SP	POORLY-GRADED SANDS, SAND-GRAVEL MIXTURES WITH LITTLE OR NO FINES
	SAND WITH 5 TO 12% FINES	$Cu \geq 6$ and $1 \leq Cc \leq 3$		SW-SM	WELL-GRADED SANDS, SAND-GRAVEL MIXTURES WITH LITTLE FINES
				SW-SC	WELL-GRADED SANDS, SAND-GRAVEL MIXTURES WITH LITTLE CLAY FINES
		$Cu > 6$ and/or $1 < Cc > 3$		SP-SM	POORLY GRADED SANDS, SAND-GRAVEL MIXTURES WITH LITTLE FINES
				SP-SC	POORLY-GRADED SANDS, SAND-GRAVEL MIXTURES WITH LITTLE CLAY FINES
	SANDS WITH >12% FINES			SM	SILTY SANDS, SAND-GRAVEL-SILT MIXTURES
				SC	CLAYEY SANDS, SAND-GRAVEL-CLAY MIXTURES
				SC-SM	CLAYEY SANDS, SAND-SILT-CLAY MIXTURES
FINE GRAINED SOILS (More than half of material is smaller than the #200 sieve)	SILTS AND CLAYS (Liquid Limit less than 50)			ML	INORGANIC SILTS AND VERY FINE SANDS, SILTY OR CLAYEY FINE SANDS, SILTS WITH SLIGHT PLASTICITY
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				CL-ML	INORGANIC CLAYS-SILTS OF LOW PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				OL	ORGANIC SILTS & ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS (Liquid Limit greater than 50)			MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILT
				CH	INORGANIC CLAYS OF HIGH PLASTICITY FAT CLAYS
				OH	ORGANIC CLAYS & ORGANIC SILTS OF MEDIUM-TO-HIGH PLASTICITY

Date	Started: 11/28/23		Project Number 121-23-113900		Project Wake Tech Fire & Rescue		Boring No. B-1							
	Completed: 11/28/23													
	Hammer Type: Automatic		Drilling Method: HSA		Logged By: JGD		Reviewed By: BPH							
Latitude:		Longitude:		Surface Elevation:										
Groundwater Depth (ft.)	Depth (ft.)	Graphical Log	Sample Taken	Sample ID	SPT N-Value	Moisture Content (%)	% Passing No. 200	Other Tests and Remarks	USCS Class.	Location: See Figure 1				
										Sample Type		Groundwater		
										G - Bulk / Grab Sample SPT - 2" O.D. 1.4" I.D. Tube Sample MC - 3" O.D. 2.4" I.D. Ring Sample NR - No Recovery * - Uncorrected Blow Counts		Depth (ft)	Hour	Date
												16		
Visual Classification														
<div>0</div> <div>TOPSOIL</div> <div>0.2' Topsoil (Approximately 2 inches)</div> <div>SPT- 1</div> <div>5-5-5</div> <div>N60=14</div> <div>ML</div> <div>Stiff to very stiff brown orange fine to medium micaceous sandy silt (ML) (RESIDUUM)</div> <div>5</div> <div>SPT- 2</div> <div>4-6-8</div> <div>N60=20</div> <div>5.5'</div> <div>SPT- 3</div> <div>7-9-13</div> <div>N60=31</div> <div>SM</div> <div>Dense tan brown fine to medium micaceous silty sand (SM)</div> <div>8.0'</div> <div>SPT- 4</div> <div>5-4-6</div> <div>N60=14</div> <div>10</div> <div>SPT- 5</div> <div>3-4-4</div> <div>N60=11</div> <div>SM</div> <div>Firm tan brown fine to medium micaceous silty sand (SM)</div> <div>15</div> <div>SPT- 6</div> <div>4-4-4</div> <div>N60=11</div> <div>20</div> <div>SPT- 7</div> <div>3-7-5</div> <div>N60=17</div> <div>25.0'</div>														
<p>Notes:</p> <p>Boring terminated at approx. depth of 25.0 feet.</p> <p>Groundwater at 16 feet and Cave in at 16.5 feet</p>														



Date		Started: 11/28/23		Project Number 121-23-113900						Project Wake Tech Fire & Rescue						Boring No. B-2	
		Completed: 11/28/23								Drilling Method: HSA						Logged By: JGD	
		Hammer Type: Automatic															
Latitude:				Longitude:						Surface Elevation:							
Groundwater Depth (ft.)	Depth (ft.)	Graphical Log	Sample Taken	Sample ID	SPT N-Value	Moisture Content (%)	% Passing No. 200	Other Tests and Remarks	USCS Class.	Location: See Figure 1							
										Sample Type G - Bulk / Grab Sample SPT - 2" O.D. 1.4" I.D. Tube Sample MC - 3" O.D. 2.4" I.D. Ring Sample NR - No Recovery * - Uncorrected Blow Counts			Groundwater				
													Depth (ft)	Hour	Date		
Visual Classification																	
0										TOPSOIL	0.2'	Topsoil (Approximately 2 inches)					
				SPT- 1	4-2-3 N60=7				SM	Loose brown orange fine to medium silty sand (SM) (RESIDUUM)							
				SPT- 2	4-7-8 N60=21				ML	Very stiff red orange fine to medium micaceous sandy silt (ML)							
5				SPT- 3	9-13-18 N60=44												
				SPT- 4	13-27-24 N60=73				SM	Dense to very dense tan orange fine to medium silty sand (SM)							
10																	
				SPT- 5	6-7-9 N60=23				SM	Very firm to firm brown gray fine to medium micaceous silty sand (SM)							
15																	
				SPT- 6	3-7-7 N60=20												
20																	
				SPT- 7	50/1 N60=100				PWR	Partially weathered rock sampled as brown gray fine to medium silty sand (SM)							
25																	

Notes:  
Boring terminated at approx. depth of 25.0 feet.  
Cave in at 15 feet

Date	Started: 11/28/23		Project Number 121-23-113900		Project Wake Tech Fire & Rescue			Boring No. B-3					
	Completed: 11/28/23												
	Hammer Type: Automatic		Drilling Method: HSA			Logged By: JGD		Reviewed By: BPH					
Latitude:		Longitude:			Surface Elevation:								
Groundwater Depth (ft.)	Depth (ft.)	Graphical Log	Sample Taken	Sample ID	SPT N-Value	Moisture Content (%)	% Passing No. 200	Other Tests and Remarks	USCS Class.	Location: See Figure 1			
										Sample Type G - Bulk / Grab Sample SPT - 2" O.D. 1.4" I.D. Tube Sample MC - 3" O.D. 2.4" I.D. Ring Sample NR - No Recovery * - Uncorrected Blow Counts	Groundwater		
											Depth (ft)	Hour	Date
											Visual Classification		
0													
				SPT- 1	3-4-8 N60=17				ML	Very stiff orange brown fine to medium sandy silt (ML) with trace organics (RESIDUUM)			
										3.0'			
				SPT- 2	50/4 N60=100								
5				SPT- 3	50/5 N60=100								
				SPT- 4	50/5 N60=100								
10									PWR	Partially weathered rock sampled as white tan fine to coarse silty sand (SM)			
				SPT- 5	50/5 N60=100								
15													
										18.5'			

Notes:

Auger refusal at approx. depth of 18.5 feet.  
Cave in at 15.5 feet

Date	Started: 11/28/23		Project Number 121-23-113900				Project Wake Tech Fire & Rescue				Boring No. B-4			
	Completed: 11/28/23													
	Hammer Type: Automatic		Drilling Method: HSA				Logged By: JGD				Reviewed By: BPH			
Latitude:			Longitude:				Surface Elevation:							
Groundwater Depth (ft.)	Depth (ft.)	Graphical Log	Sample Taken	Sample ID	SPT N-Value	Moisture Content (%)	% Passing No. 200	Other Tests and Remarks	USCS Class.	Location: See Figure 1				
										Sample Type		Groundwater		
										G - Bulk / Grab Sample SPT - 2" O.D. 1.4" I.D. Tube Sample MC - 3" O.D. 2.4" I.D. Ring Sample NR - No Recovery * - Uncorrected Blow Counts		Depth (ft)	Hour	Date
												15.5		
										Visual Classification				
<div> <div> <div>0</div> <div>5</div> <div>10</div> <div>15</div> <div>20</div> <div>23.5</div> </div> <div> <div>TOPSOIL</div> <div>0.2' Topsoil (Approximately 2 inches)</div> <div>Stiff to very stiff orange brown fine to medium sandy silt (ML) (RESIDUUM)</div> <div>Very firm orange brown fine to medium silty sand (SM)</div> <div>Partially weathered rock sampled as orange brown fine to medium silty sand (SM)</div> </div> </div>														
<div> <div>SPT- 1</div> <div>4-4-6 N60=14</div> </div>														
<div> <div>SPT- 2</div> <div>3-6-9 N60=21</div> </div>														
<div> <div>SPT- 3</div> <div>5-7-7 N60=20</div> </div>														
<div> <div>SPT- 4</div> <div>5-7-7 N60=20</div> </div>														
<div> <div>SPT- 5</div> <div>8-9-11 N60=28</div> </div>														
<div> <div>SPT- 6</div> <div>50/4 N60=100</div> </div>														
<div> <div>Notes:</div> <div>Auger refusal at approx. depth of 23.5 feet.</div> <div>Groundwater at 15.5 feet and Cave in at 17 feet</div> </div>														

Date	Started: 11/28/23		Project Number 121-23-113900		Project Wake Tech Fire & Rescue			Boring No. B-5					
	Completed: 11/28/23												
	Hammer Type: Automatic		Drilling Method: HSA			Logged By: JGD		Reviewed By: BPH					
Latitude:			Longitude:			Surface Elevation:							
Groundwater Depth (ft.)	Depth (ft.)	Graphical Log	Sample Taken	Sample ID	SPT N-Value	Moisture Content (%)	% Passing No. 200	Other Tests and Remarks	USCS Class.	Location: See Figure 1			
										Sample Type G - Bulk / Grab Sample SPT - 2" O.D. 1.4" I.D. Tube Sample MC - 3" O.D. 2.4" I.D. Ring Sample NR - No Recovery * - Uncorrected Blow Counts	Groundwater		
											Depth (ft)	Hour	Date
											Visual Classification		
0										0.1' Topsoil (Approximately 1 inch)			
				SPT- 1	4-6-6 N60=17				SM	Firm red brown fine to medium silty sand (SM) (RESIDUUM)			
										3.0'			
				SPT- 2	7-8-5 N60=19				ML	Very stiff orange brown fine to medium sandy silt (ML)			
5										5.5'			
				SPT- 3	6-9-14 N60=33				SM	Dense orange brown fine to medium silty sand (SM)			
										8.0'			
				SPT- 4	50/2 N60=100					Partially weathered rock sampled as orange brown fine to medium silty sand (SM)			
10									PWR				
				SPT- 5	50/1 N60=100								
15										15.0'			

Notes:  
Auger refusal at approx. depth of 15.0 feet.  
Cave in at 12.5 feet

Date	Started: 11/29/23		Project Number 121-23-113900		Project Wake Tech Fire & Rescue		Boring No. B-6							
	Completed: 11/29/23													
	Hammer Type: Automatic		Drilling Method: HSA		Logged By: JGD		Reviewed By: BPH							
Latitude:		Longitude:		Surface Elevation:										
Groundwater Depth (ft.)	Depth (ft.)	Graphical Log	Sample Taken	Sample ID	SPT N-Value	Moisture Content (%)	% Passing No. 200	Other Tests and Remarks	USCS Class.	Location: See Figure 1				
										Sample Type		Groundwater		
										G - Bulk / Grab Sample SPT - 2" O.D. 1.4" I.D. Tube Sample MC - 3" O.D. 2.4" I.D. Ring Sample NR - No Recovery * - Uncorrected Blow Counts		Depth (ft)	Hour	Date
										Visual Classification				
0										TOPSOIL 0.2' Topsoil (Approximately 2 inches)				
				SPT- 1	2-4-2 N60=9				SM	Loose brown fine to medium silty sand (SM) with rock fragments and trace organics (RESIDUUM)				
				SPT- 2	23-19-28 N60=67				SM	Very dense white fine to coarse silty sand (SM) with rock fragments				
5				SPT- 3	29-50/4 N60=100				PWR	Partially weathered rock sampled as white fine to coarse silty sand (SM)				
										8.0'				

Notes:  
Auger refusal at approx. depth of 8.0 feet.  
Cave in at 4.5 feet

Date	Started: 11/29/23		Project Number 121-23-113900		Project Wake Tech Fire & Rescue			Boring No. B-7					
	Completed: 11/29/23												
	Hammer Type: Automatic		Drilling Method: HSA			Logged By: JGD		Reviewed By: BPH					
Latitude:		Longitude:			Surface Elevation:								
Groundwater Depth (ft.)	Depth (ft.)	Graphical Log	Sample Taken	Sample ID	SPT N-Value	Moisture Content (%)	% Passing No. 200	Other Tests and Remarks	USCS Class.	Location: See Figure 1			
										Sample Type G - Bulk / Grab Sample SPT - 2" O.D. 1.4" I.D. Tube Sample MC - 3" O.D. 2.4" I.D. Ring Sample NR - No Recovery * - Uncorrected Blow Counts	Groundwater		
											Depth (ft)	Hour	Date
											Visual Classification		
0										0.1' Topsoil (Approximately 1 inch)			
				SPT- 1	4-2-2 N60=6				SM	Loose brown fine to medium silty sand (SM)			
										3.0'			
				SPT- 2	50/0.5 N60=100				PWR	Partially weathered rock sampled as gray fine to medium silty sand (SM)			
5										5.0'			

Notes:

Auger refusal at approx. depth of 5.0 feet.  
Cave in at 4 feet

Date		Started: 12/1/23		Project Number 121-23-113900				Project Wake Tech Fire & Rescue				Boring No. B-8	
		Completed: 12/1/23						Logged By: JGD				Reviewed By: BPH	
		Hammer Type: Automatic		Drilling Method: HSA				Surface Elevation:					
Latitude:				Longitude:				Location: See Figure 1					
Groundwater Depth (ft.)	Depth (ft.)	Graphical Log	Sample Taken	Sample ID	SPT N-Value	Moisture Content (%)	% Passing No. 200	Other Tests and Remarks	USCS Class.	Groundwater			
										Sample Type			
										Depth (ft)	Hour	Date	
										Visual Classification			
0											TOP SOIL		
0.2'											Topsoil (Approximately 2 inches)		
SPT- 1											SM		
3-3-3 N60=9											Loose gray fine to medium silty sand (SM) (RESIDUUM)		
3.0'													
SPT- 2											ML		
4-5-6 N60=16											Very stiff gray brown black fine to medium sandy silt (ML)		
5.5'													
SPT- 3											SM		
5-6-8 N60=20											Firm tran gray fine to medium silty sand (SM)		
8.0'													
SPT- 4											PWR		
33-50/5 N60=100											Partially weathered rock sampled as brown fine to medium silty sand (SM)		
10													
SPT- 5													
50/0 N60=100													
13.5'													

Notes:  
Auger refusal at approx. depth of 13.5 feet.  
Cave in at 9.5 feet

Date	Started: 11/29/23		Project Number 121-23-113900						Project Wake Tech Fire & Rescue				Boring No. B-9		
	Completed: 11/29/23								Drilling Method: HSA				Logged By: JGD		Reviewed By: BPH
	Hammer Type: Automatic														
Latitude:			Longitude:						Surface Elevation:						
Groundwater Depth (ft.)	Depth (ft.)	Graphical Log	Sample Taken	Sample ID	SPT N-Value	Moisture Content (%)	% Passing No. 200	Other Tests and Remarks	USCS Class.	Location: See Figure 1					
										Sample Type G - Bulk / Grab Sample SPT - 2" O.D. 1.4" I.D. Tube Sample MC - 3" O.D. 2.4" I.D. Ring Sample NR - No Recovery * - Uncorrected Blow Counts			Groundwater		
													Depth (ft)	Hour	Date
										Visual Classification					
0										TOPSOIL 0.2' Topsoil (Approximately 2 inches)					
				SPT- 1	2-1-1 N60=3				SM	Very loose brown fine to medium silty sand (SM) (RESIDIUM)					
				SPT- 2	3-2-5 N60=10				ML	Stiff orange brown gray fine to medium sandy silt (ML)					
5										5.5'					
				SPT- 3	29-13-19 N60=46				CL	Hard brown gray silty clay (CL) with rock fragments					
										8.0'					
				SPT- 4	10-15-17 N60=46				ML	Hard brown orange fine to coarse sandy silt (ML)					
10										12.0'					
				SPT- 5	WOH-1-1 N60=3				ML	Soft brown fine to medium sandy silt (ML)					
15										17.0'					
				SPT- 6	WOH-2-3 N60=7				SM	Loose to firm brown fine to medium silty sand (SM)					
20															
				SPT- 7	6-7-7 N60=20										
25										25.0'					

Notes:  
Boring terminated at approx. depth of 25.0 feet.  
Cave in at 19.5 feet



Date	Started: 12/1/23		Project Number 121-23-113900		Project Wake Tech Fire & Rescue			Boring No. B-10					
	Completed: 12/1/23												
	Hammer Type: Automatic		Drilling Method: HSA			Logged By: JGD		Reviewed By: BPH					
Latitude:			Longitude:			Surface Elevation:							
Groundwater Depth (ft.)	Depth (ft.)	Graphical Log	Sample Taken	Sample ID	SPT N-Value	Moisture Content (%)	% Passing No. 200	Other Tests and Remarks	USCS Class.	Location: See Figure 1			
										Sample Type G - Bulk / Grab Sample SPT - 2" O.D. 1.4" I.D. Tube Sample MC - 3" O.D. 2.4" I.D. Ring Sample NR - No Recovery * - Uncorrected Blow Counts	Groundwater		
											Depth (ft)	Hour	Date
											Visual Classification		
0										0.2' Topsoil (Approximately 2 inches)			
				SPT- 1	1-4-3 N60=10				CL	Stiff gray fine to medium sandy clay (CL) with trace organics (RESIDUUM)			
				SPT- 2	3-5-7 N60=17				CL	Very stiff brown tan silty clay (CL)			
5				SPT- 3	23-20-30 N60=71				SM	Very dense brown tan fine to coarse silty sand (SM)			
				SPT- 4	7-10-50/6 N60=100								
10									PWR	Partially weathered rock sampled as brown tan black fine to medium silty sand (SM)			
				SPT- 5	18-39-33 N60=100								
15													
										16.5'			

Notes:

Auger refusal at approx. depth of 16.5 feet.  
Cave in at 14 feet

Date	Started: 11/29/23		Project Number 121-23-113900				Project Wake Tech Fire & Rescue				Boring No. B-11		
	Completed: 11/29/23												
	Hammer Type: Automatic		Drilling Method: HSA				Logged By: JGD				Reviewed By: BPH		
Latitude:			Longitude:				Surface Elevation:						
Groundwater Depth (ft.)	Depth (ft.)	Graphical Log	Sample Taken	Sample ID	SPT N-Value	Moisture Content (%)	% Passing No. 200	Other Tests and Remarks	USCS Class.	Location: See Figure 1			
										Sample Type G - Bulk / Grab Sample SPT - 2" O.D. 1.4" I.D. Tube Sample MC - 3" O.D. 2.4" I.D. Ring Sample NR - No Recovery * - Uncorrected Blow Counts		Groundwater	
												Depth (ft)	Hour
											Visual Classification		
0													
0.1' Topsoil (Approximately 1 inches)													
SPT- 1 2-5-5 N60=14													
CL Stiff to firm brown gray fine to medium sandy clay (CL) with trace organics (RESIDUUM)													
5													
SPT- 2 2-2-2 N60=6													
5.5'													
SPT- 3 WOH N60=0													
MH Very soft brown gray clayey silt (MH)													
10													
12.0'													
SPT- 4 WOH-1-1 N60=3													
MH Soft red tan clayey silt (MH)													
15													
SPT- 5 WOH-1-2 N60=4													
20													
SPT- 6 WOH- WOH-2 N60=3													
25													
25.0'													

Notes:

Boring terminated at approx. depth of 25.0 feet.  
Groundwater at 15.5 feet and Cave in at 17.5 feet

Date	Started: 11/28/23		Project Number 121-23-113900		Project Wake Tech Fire & Rescue		Boring No. B-12							
	Completed: 11/28/23													
	Hammer Type: Automatic		Drilling Method: HSA		Logged By: JGD		Reviewed By: BPH							
Latitude:		Longitude:		Surface Elevation:										
Groundwater Depth (ft.)	Depth (ft.)	Graphical Log	Sample Taken	Sample ID	SPT N-Value	Moisture Content (%)	% Passing No. 200	Other Tests and Remarks	USCS Class.	Location: See Figure 1				
										Sample Type		Groundwater		
										G - Bulk / Grab Sample SPT - 2" O.D. 1.4" I.D. Tube Sample MC - 3" O.D. 2.4" I.D. Ring Sample NR - No Recovery * - Uncorrected Blow Counts		Depth (ft)	Hour	Date
										Visual Classification				
0										0.1'	Topsoil (Approximately 1 inch)			
				SPT- 1	4-2-2 N60=6				ML		Firm brown black fine to medium sandy silt (ML) (RESIDUUM)			
										3.0'				
				SPT- 2	2-3-5 N60=11				ML		Stiff brown red fine to medium micaceous sandy silt (ML) with trace organics			
										5.5'				
				SPT- 3	4-6-7 N60=19									
				SPT- 4	6-7-7 N60=20				SM		Firm brown red fine to medium micaceous silty sand (SM)			
										12.0'				
				SPT- 5	10-22-50/5 N60=100				PWR		Partially weathered rock sampled as brown red fine to medium micaceous silty sand (SM)			
										15.0'				

Notes:  
Boring terminated at approx. depth of 15.0 feet.  
Cave in at 11.5 feet

Date	Started: 11/28/23		Project Number 121-23-113900		Project Wake Tech Fire & Rescue		Boring No. B-13							
	Completed: 11/28/23													
	Hammer Type: Automatic		Drilling Method: HSA		Logged By: JGD		Reviewed By: BPH							
Latitude:		Longitude:		Surface Elevation:										
Groundwater Depth (ft.)	Depth (ft.)	Graphical Log	Sample Taken	Sample ID	SPT N-Value	Moisture Content (%)	% Passing No. 200	Other Tests and Remarks	USCS Class.	Location: See Figure 1				
										Sample Type		Groundwater		
										G - Bulk / Grab Sample SPT - 2" O.D. 1.4" I.D. Tube Sample MC - 3" O.D. 2.4" I.D. Ring Sample NR - No Recovery * - Uncorrected Blow Counts		Depth (ft)	Hour	Date
										Visual Classification				
0										TOPSOIL	0.2'	Topsoil (Approximately 2 inches)		
				SPT- 1	3-7-29 N60=51					SM		Very dense brown fine to coarse silty sand (SM) with trace organics and rock fragments (RESIDUUM)		
											3.0'			
				SPT- 2	50/5 N60=100					PWR		Partially weathered rock sampled as white tan fine to coarse silty sand (SM)		
5											5.5'			

Notes:  
Auger refusal at approx. depth of 5.5 feet.

Date		Started: 11/29/23		Project Number 121-23-113900					Project Wake Tech Fire & Rescue				Boring No. B-14	
		Completed: 11/29/23												
		Hammer Type: Automatic		Drilling Method: HSA					Logged By: JGD			Reviewed By: BPH		
Latitude:				Longitude:					Surface Elevation:					
Groundwater Depth (ft.)	Depth (ft.)	Graphical Log	Sample Taken	Sample ID	SPT N-Value	Moisture Content (%)	% Passing No. 200	Other Tests and Remarks	USCS Class.	Location: See Figure 1				
										Sample Type G - Bulk / Grab Sample SPT - 2" O.D. 1.4" I.D. Tube Sample MC - 3" O.D. 2.4" I.D. Ring Sample NR - No Recovery * - Uncorrected Blow Counts		Groundwater		
												Depth (ft)	Hour	Date
											9			
Visual Classification														
0														
TOP SOIL														
0.1' Topsoil (Approximately 1 inch)														
CL														
Stiff orange brown fine to medium sandy clay (CL) (RESIDUUM)														
3.0'														
SM														
Firm tan brown fine to coarse silty sand (SM)														
5.5'														
CL														
Firm tan brown silty clay (CL)														
8.0'														
MH														
Very soft red orange clayey silt (MH)														
20.0'														

Notes:

Boring terminated at approx. depth of 20.0 feet.  
Groundwater at 9 feet and Cave in at 10 feet

Date	Started: 12/1/23		Project Number 121-23-113900		Project Wake Tech Fire & Rescue		Boring No. B-15							
	Completed: 12/1/23													
	Hammer Type: Automatic		Drilling Method: HSA		Logged By: JGD		Reviewed By: BPH							
Latitude:		Longitude:		Surface Elevation:										
Groundwater Depth (ft.)	Depth (ft.)	Graphical Log	Sample Taken	Sample ID	SPT N-Value	Moisture Content (%)	% Passing No. 200	Other Tests and Remarks	USCS Class.	Location: See Figure 1				
										Sample Type		Groundwater		
										G - Bulk / Grab Sample SPT - 2" O.D. 1.4" I.D. Tube Sample MC - 3" O.D. 2.4" I.D. Ring Sample NR - No Recovery * - Uncorrected Blow Counts		Depth (ft)	Hour	Date
										Visual Classification				
0										0.1' Topsoil (Approximately 1 inch)				
				SPT- 1	4-2-4 N60=9				ML	Stiff brown tan fine to medium sandy silt (ML) (RESIDUUM)				
				SPT- 2	22-50/2 N60=100				PWR	Partially weathered rock sampled as tan fine to medium silty sand (SM)				
5				SPT- 3	27-15-16 N60=44					5.5'				
				SPT- 4	39-17-19 N60=51				SM	Dense and very dense brown tan fine to medium silty sand (SM)				
10				SPT- 5	15-17-17 N60=48					15.0'				
15														

Notes:  
Boring terminated at approx. depth of 15.0 feet.  
Cave in at 11 feet

Date	Started: 11/29/23		Project Number 121-23-113900		Project Wake Tech Fire & Rescue		Boring No. B-16							
	Completed: 11/29/23													
	Hammer Type: Automatic		Drilling Method: HSA		Logged By: JGD		Reviewed By: BPH							
Latitude:		Longitude:		Surface Elevation:										
Groundwater Depth (ft.)	Depth (ft.)	Graphical Log	Sample Taken	Sample ID	SPT N-Value	Moisture Content (%)	% Passing No. 200	Other Tests and Remarks	USCS Class.	Location: See Figure 1				
										Sample Type		Groundwater		
										G - Bulk / Grab Sample SPT - 2" O.D. 1.4" I.D. Tube Sample MC - 3" O.D. 2.4" I.D. Ring Sample NR - No Recovery * - Uncorrected Blow Counts		Depth (ft)	Hour	Date
Visual Classification														
0										0.1'	Topsoil (Approximately 1 inch)			
				SPT- 1	3-4-4 N60=11				ML		Stiff brown fine to medium sandy silt (ML) with trace organics (RESIDUUM)			
										3.0'				
5				SPT- 2	4-5-7 N60=17				ML		Very stiff brown orange fine to medium sandy silt (ML)			
				SPT- 3	3-7-9 N60=23					8.0'				
				SPT- 4	4-5-8 N60=19				SM		Firm brown orange micaceous fine to medium silty sand (SM)			
10										10.0'				

Notes:  
Boring terminated at approx. depth of 10.0 feet.  
Cave in at 7 feet



Date	Started: 11/28/23		Project Number 121-23-113900				Project Wake Tech Fire & Rescue				Boring No. B-17			
	Completed: 11/28/23													
	Hammer Type: Automatic		Drilling Method: HSA				Logged By: JGD				Reviewed By: BPH			
Latitude:		Longitude:				Surface Elevation:								
Groundwater Depth (ft.)	Depth (ft.)	Graphical Log	Sample Taken	Sample ID	SPT N-Value	Moisture Content (%)	% Passing No. 200	Other Tests and Remarks	USCS Class.	Location: See Figure 1				
										Sample Type		Groundwater		
										G - Bulk / Grab Sample SPT - 2" O.D. 1.4" I.D. Tube Sample MC - 3" O.D. 2.4" I.D. Ring Sample NR - No Recovery * - Uncorrected Blow Counts		Depth (ft)	Hour	Date
										Visual Classification				
0										0.1' Topsoil (Approximately 1 inch)				
				SPT- 1	4-4-7 N60=16				ML	Very stiff brown fine to medium micaceous sandy silt (ML) (RESIDUUM)				
5				SPT- 2	WOH-1-2 N60=4					3.0'				
				SPT- 3	2-1-2 N60=4				SM	Very loose red brown tan fine to medium micaceous silty sand (SM)				
10				SPT- 4	2-1-1 N60=3					10.0'				

Notes:  
Boring terminated at approx. depth of 10.0 feet.  
Cave in at 7 feet

Date	Started: 11/28/23		Project Number 121-23-113900		Project Wake Tech Fire & Rescue		Boring No. B-18							
	Completed: 11/28/23													
	Hammer Type: Automatic		Drilling Method: HSA		Logged By: JGD		Reviewed By: BPH							
Latitude:		Longitude:		Surface Elevation:										
Groundwater Depth (ft.)	Depth (ft.)	Graphical Log	Sample Taken	Sample ID	SPT N-Value	Moisture Content (%)	% Passing No. 200	Other Tests and Remarks	USCS Class.	Location: See Figure 1				
										Sample Type		Groundwater		
										G - Bulk / Grab Sample SPT - 2" O.D. 1.4" I.D. Tube Sample MC - 3" O.D. 2.4" I.D. Ring Sample NR - No Recovery * - Uncorrected Blow Counts		Depth (ft)	Hour	Date
										Visual Classification				
0										0.1' Topsoil (Approximately 1 inch)				
				SPT- 1	3-3-5 N60=11				CL	Stiff red brown fine to medium micaceous sandy clay (CL)				
										3.0'				
5				SPT- 2	4-6-7 N60=19					Firm to very firm red brown tan fine to medium micaceous silty sand (SM)				
				SPT- 3	2-6-6 N60=17				SM					
				SPT- 4	6-9-10 N60=27									
10										10.0'				

Notes:  
Boring terminated at approx. depth of 10.0 feet.  
Cave in at 7 feet

Date	Started: 12/1/23		Project Number 121-23-113900		Project Wake Tech Fire & Rescue		Boring No. B-19							
	Completed: 12/1/23													
	Hammer Type: Automatic		Drilling Method: HSA		Logged By: JGD		Reviewed By: BPH							
Latitude:		Longitude:		Surface Elevation:										
Groundwater Depth (ft.)	Depth (ft.)	Graphical Log	Sample Taken	Sample ID	SPT N-Value	Moisture Content (%)	% Passing No. 200	Other Tests and Remarks	USCS Class.	Location: See Figure 1				
										Sample Type		Groundwater		
										G - Bulk / Grab Sample SPT - 2" O.D. 1.4" I.D. Tube Sample MC - 3" O.D. 2.4" I.D. Ring Sample NR - No Recovery * - Uncorrected Blow Counts		Depth (ft)	Hour	Date
										Visual Classification				
0										0.2'	Topsoil (Approximately 2 inches)			
				SPT- 1	4-4-4 N60=11				SM		Firm brown fine to medium silty sand (SM) with rock fragments (RESIDUUM)			
										3.0'				
5				SPT- 2	20-34-50/5 N60=100				PWR		Partially weathered rock sampled as red tan fine to medium silty sand (SM)			
										6.5'				

Notes:  
Auger refusal at approx. depth of 6.5 feet.  
Cave in at 5 feet

Date	Started: 11/29/23		Project Number 121-23-113900		Project Wake Tech Fire & Rescue			Boring No. B-20					
	Completed: 11/29/23												
	Hammer Type: Automatic		Drilling Method: HSA			Logged By: JGD		Reviewed By: BPH					
Latitude:			Longitude:			Surface Elevation:							
Groundwater Depth (ft.)	Depth (ft.)	Graphical Log	Sample Taken	Sample ID	SPT N-Value	Moisture Content (%)	% Passing No. 200	Other Tests and Remarks	USCS Class.	Location: See Figure 1			
										Sample Type G - Bulk / Grab Sample SPT - 2" O.D. 1.4" I.D. Tube Sample MC - 3" O.D. 2.4" I.D. Ring Sample NR - No Recovery * - Uncorrected Blow Counts	Groundwater		
											Depth (ft)	Hour	Date
											Visual Classification		
0										0.1' Topsoil (Approximately 1 inch)			
				SPT- 1	2-1-2 N60=4				ML	Soft brown orange fine to medium sandy silt (ML) (RESIDUUM)			
				SPT- 2	4-5-6 N60=16				ML	Very stiff brown orange fine to medium sandy silt (ML)			
5				SPT- 3	3-6-8 N60=20								
				SPT- 4	30-41-28 N60=98				SM	Very dense brown orange fine to medium silty sand (SM)			
10										10.0'			

Notes:

Boring terminated at approx. depth of 10.0 feet.

Cave in at 5.5 feet

Date	Started: 11/29/23		Project Number 121-23-113900		Project Wake Tech Fire & Rescue		Boring No. B-21							
	Completed: 11/29/23													
	Hammer Type: Automatic		Drilling Method: HSA		Logged By: JGD		Reviewed By: BPH							
Latitude:		Longitude:		Surface Elevation:										
Groundwater Depth (ft.)	Depth (ft.)	Graphical Log	Sample Taken	Sample ID	SPT N-Value	Moisture Content (%)	% Passing No. 200	Other Tests and Remarks	USCS Class.	Location: See Figure 1				
										Sample Type		Groundwater		
										G - Bulk / Grab Sample SPT - 2" O.D. 1.4" I.D. Tube Sample MC - 3" O.D. 2.4" I.D. Ring Sample NR - No Recovery * - Uncorrected Blow Counts		Depth (ft)	Hour	Date
										Visual Classification				
0										TOPSOIL	0.2'	Topsoil (Approximately 2 inches)		
				SPT- 1	3-3-3 N60=9					SM		Loose tan orange fine to medium silty sand (SM) (RESIDUUM)		
5				SPT- 2	5-8-7 N60=21						3.0'			
				SPT- 3	4-4-6 N60=14					ML		Stiff and very stiff tan orange fine to medium sandy silt (ML)		
10				SPT- 4	5-6-5 N60=16						10.0'			

Notes:  
Boring terminated at approx. depth of 10.0 feet.  
Cave in at 5 feet

Date	Started: 12/1/23		Project Number 121-23-113900		Project Wake Tech Fire & Rescue			Boring No. B-22					
	Completed: 12/1/23												
	Hammer Type: Automatic		Drilling Method: HSA			Logged By: JGD		Reviewed By: BPH					
Latitude:			Longitude:			Surface Elevation:							
Groundwater Depth (ft.)	Depth (ft.)	Graphical Log	Sample Taken	Sample ID	SPT N-Value	Moisture Content (%)	% Passing No. 200	Other Tests and Remarks	USCS Class.	Location: See Figure 1			
										Sample Type G - Bulk / Grab Sample SPT - 2" O.D. 1.4" I.D. Tube Sample MC - 3" O.D. 2.4" I.D. Ring Sample NR - No Recovery * - Uncorrected Blow Counts	Groundwater		
											Depth (ft)	Hour	Date
											Visual Classification		
0										0.1' Topsoil (Approximately 1 inch)			
				SPT- 1	2-3-4 N60=10				SM	Loose brown fine to medium silty sand (SM) (RESIDUUM)			
				SPT- 2	4-6-6 N60=17				CL	Very stiff orange gray silty clay (CL) with trace organics			
5				SPT- 3	3-3-4 N60=10				ML	Stiff orange brown fine to medium sandy silt (ML)			
				SPT- 4	3-4-3 N60=10								
10										10.0'			

Notes:

Boring terminated at approx. depth of 10.0 feet.  
Cave in at 7.5 feet

## **TRADE PACKAGE SCOPE OF WORK**

### **01B GENERAL TRADES SUBCONTRACT**

Furnish all labor, materials, tools, taxes, safety, insurances, equipment, hoisting, cranes, supervision, and all other incidentals necessary to accomplish all **General Trades** Work in accordance with all Contract Documents and as defined within **Trade Package General Scope Requirements** and this Scope of Work.

**Subcontractors/Suppliers performing work on multiple portions of the project site (i.e., buildings, parking area, site, etc.) shall provide separate equipment, hoisting, cranes, supervision including, but not limited to management, superintendent, foreman, tradesman, laborers, etc. for each portion unless agreed to otherwise in writing by the General Contractor. If the project needs and schedule are not being met to the satisfaction of the General Contractor, written approval will be rescinded, and the original staffing requirements shall be provided by the Subcontractor.**

Project Specifications for the General Trades Scope of Work are listed below. This Subcontractor or Supplier shall carefully examine all specification sections and drawings within the Contract Documents and be responsible for all work described within this Scope of Work and as required on the project.

### **PROJECT SPECIFICATIONS**

This Subcontractor is responsible for all Division 1 - General Requirements as listed below prepared by the Architect, Design Consultants, and/or General Contractor or as designated elsewhere within the Technical Specifications or Drawings as applicable to this Trade Package Scope of Work.

<b>DIVISION 1 – GENERAL REQUIREMENTS</b>	
<b>GC Req.</b>	<b>General Requirements Manual</b>
<b>GC Req.</b>	<b>Trade Package Scope Manual</b>
<b>GC Req.</b>	<b>Trade Package General Scope Requirements</b>

### **Primary Responsibility**

**This Subcontractor is responsible for all Primary Specification Responsibilities listed below unless this Scope of Work specifically states otherwise.**

<b>PRIMARY TECHNICAL SPECIFICATION RESPONSIBILITIES (PROJECT MANUAL)</b>	
	<b>Specifications are included on the Drawings</b>
<b>00 &amp; 01</b>	<b>All 00 &amp; 01 Division Specifications</b>

### **Primary Responsibility**

**This Subcontractor is responsible for all Primary Specification Responsibilities listed below unless this Scope of Work specifically states otherwise.**





PRIMARY TECHNICAL SPECIFICATION RESPONSIBILITIES (DRAWINGS)		
DRAWING NO.	DRAWING NAME	SPECIFIC ITEM
All Dwgs	All Dwgs	All Dwgs

The General Trades Subcontractor shall be responsible for complying with the requirements of each Scope of Work Description / Clarification Section listed below, **even if** those requirements are not shown within the Specification Sections listed above.

This Subcontractor shall be responsible for all Primary Specification Responsibilities identified above in their entirety. All costs associated with Primary Specification Responsibilities shall be included in this Subcontractor's Scope of Work and reflected in bid amount.

This Subcontractor shall be at least partially responsible for Secondary Specification Responsibilities identified above. The Secondary Specifications identify work scopes for which this Subcontractor is not wholly responsible but shall be applicable as it relates to the execution of Primary Specification Responsibilities. This may include a varying degree of responsibility from simple coordination to performing entire portions of work. The Secondary Specifications are not intended to be all inclusive and shall not limit the Subcontractor in any way with regards to installation of work identified in Primary Specification Responsibilities.

The General Trades Subcontractor is responsible for all Work described herein and below unless specifically noted otherwise.

## **1.0 GENERAL TRADES SCOPE OF WORK DESCRIPTION**

- 0.0.1 Provide one laborer, 32 hours per week to perform general labor cleanup for the duration of the project. Duration based on 6/18/25 to 8/24/2026. Specialty role as needed for specific tasks shall only be billed for time spent performing such task. Hours shall be for work hours on-site and not include travel or lodging. Subcontractor to provide its own PPE and tools required for tasks. Any unused funds will be returned to the CM in the form of a deduct change order.
- 0.0.2 Provide and maintain weekly 10 (10) trash barrels of approximately 55 gallons in size. Provide all brooms, sweeping compound, debris shovels, trash carts, etc for your work.
- 0.0.3 Furnish two (4) heavy-duty garden hoses fifty (100) feet in length and heavy-duty nozzles
- 0.0.4 Furnish one (1) submersible trash pump with 2" discharge, and two sections of discharge hose fifty (50) feet in length, and two heavy-duty electrical extension cords one hundred (100) feet in length.
- 0.0.5 Provide ten (10) temporary fire extinguishers (ABC type, twenty pound size) and wooden

fire extinguisher stands and install in the building according to locations provided by the Construction Manager. All extinguishers shall be currently inspected and be maintained accordingly.

0.0.6 Provide temporary toilets for the project. This will consist of three (3) porta-johns and one (1) handwash for the first 3 months of the project, and then six (5) porta johns and two (2) handwashes for 12 months. Cleanings to be performed twice a week.

0.0.7 Provide construction dumpsters allowance – Provide 60 dumpster pulls

0.0.8 Subcontractor to provide 20' connex storage container for 13 months.

0.0.9 Subcontractor shall include installation of security cameras provided by the construction manager. Subcontractor is responsible for providing and installing (1) utility pole as well as the removal of the security cameras and pole at the end of the project.

0.0.10 Provide the following for the duration of the project.

- (2) trash arts
- (8) combination locks
- 600' of extension cords
- (3) Barrel fans
- (4) GFCI

0.0.11 Provide an allowance of \$15,000 for 3<sup>rd</sup> party surveying and control lines.

0.0.12 Provide an allowance of \$5,000 for misc lumber

0.0.13 Unused portions of allowances will be returned to the CM in the form of a deduct change order.

## **17.0 SCOPE OF WORK CLARIFICATIONS AND/OR OTHER REQUIREMENTS**

17.0.1 The intent of this section is to clarify the assignment of the Trade Work, and not to alter or change the specifications and design requirements.

17.0.2 All correspondence and/or communication must be directed through General Contractor. All construction directives must come through General Contractor. Do NOT contact the Owner, Owner Consultant, or Architect directly without the consent of General Contractor.

- 17.0.3 The scope items listed in this Exhibit are to be used only as a guide and in no way limits the Scope of Work to those items listed.
- 17.0.4 It is recognized and understood that this Subcontractor was selected for their expertise and knowledge of this specialized work, and it is expected that the subcontractor did and has included in their scope of work all items and quality control required to carry out the intent of the Contract Documents to completion.
- 17.0.5 This Subcontractor shall provide, but not limited to the following items which may or may not be clearly defined in the Contract Documents as being within the Scope of Work of this Subcontract Agreement: standards, certifications, testing, cleaning, inspecting, field quality control, close-out procedures, labels, field measurements and verifications, coordination with other trades, shop drawings and submittals, as-built drawings (PDF set), operating and maintenance instruction manuals, etc.
- 17.0.6 Each Subcontractor is responsible for inspecting the work that precedes its work and reporting any deficiencies which will affect its work to the Contractor prior to commencing with the new work. Once the new work has been installed over preceding work, the Contractor shall consider this action as the Subcontractor installing the new work as acceptance of all preceding work.
- 17.0.7 In cases where Division One Specifications contain conflicting information with Documents made a part of this Subcontract, the provisions, terms, conditions, etc. the more stringent shall take precedence.
- 17.0.8 Subcontractor shall be responsible for all freight, delivery, equipment, loading, unloading, rigging, and hoisting, as required to perform this Work. All costs associated with delivery of materials and equipment to perform the Scope of Work is included.
- 17.0.9 Extra Materials – This work shall include providing extra materials (attic stock) as specified.
- 17.0.10 Multiple mobilizations will be required for the completion of this Scope of Work. No additional compensation will be provided for multiple mobilization requirements. Samet will make every effort to limit the number of mobilizations. Roof installation will be based upon the construction schedule.
- 17.0.11 This Subcontractor shall NOT include the cost for their Payment and Performance Bonds in their bid amount, however if requested by the General Contractor, this Subcontractor shall provide a Performance and Payment Bond at Cost if awarded the Subcontract.
- 17.0.12 It is understood there may be utilities (new or existing), equipment, or other trades potentially in the way during operations performed by this Subcontractor. This Subcontractor agrees to coordinate as necessary to work around all obstacles to meet the requirements of the schedule.

- 17.0.13 The project site shall be open for subcontractor work from 7:00am-5:00pm, Monday-Friday, unless otherwise directed by the Construction Manager. The site will be open on Saturdays and Sundays for make-up days only on a pre-approved basis. No work, deliveries, pickups, or subcontractor presence shall be allowed outside of normal site hours without prior approval from the Construction Management Team. Note that the availability of Samet supervisory coverage may impact this approval process.
- 17.0.14 This Subcontractor will be responsible for all required cleanup of their excess materials and equipment on a daily basis. This Subcontractor is also responsible for protection of its work. All cost associated with this required cleanup and protection is to be included in their base proposal including but not limited to weather protection for all roofing work as needed to maintain the requirements of the Contract Documents.
- 17.0.15 While completing this Subcontractors Scope of Work, this Subcontractor is responsible for daily cleanup of their materials. All trash and debris generated by this Subcontractor should be disposed of in the provided onsite dumpster.
- 17.0.16 This Subcontractor shall submit a site-specific safety plan before beginning work. A template will be provided by the Construction Manager at the pre-install meeting.
- 17.0.17 This Subcontractor shall submit SDS forms before beginning work.
- 17.0.18 This Subcontractor shall submit a QA/QC plan before beginning work. A template will be provided by the Construction Manager at the pre-install meeting.
- 17.0.19 All workers under this Subcontract shall attend a Samet Site Orientation meeting on their first day on this project BEFORE beginning work. New workers should report to Samet staff upon arrival to the site.
- 17.0.20 This Subcontractor shall complete all Samet required safety and job reports DAILY by 9am. Electronic and hard copies of all needed forms will be supplied to this Subcontractor at the Pre-Install meeting. Forms will include a Daily Report and a Pre-Task Plan at a minimum with other safety forms -submitted as required by daily activities.
- 17.0.21 This Subcontractor shall reference scope clarification drawings included in the trade scope manual for specific directions on additions and deletions regarding this Scope of Work.
- 17.0.22 Labor and material prices are guaranteed through the duration of the project. Escalation costs are prohibited. The contract price shall not be increased for any coordination work related to conflict resolution, miscellaneous or incidental items required for the work to meet the intent of the Owner, architect's and engineer's design, the Contract Documents, plans, or specifications.

- 17.0.23 Maintenance of controlled access zones and fall protection as required by OSHA, for the safety of the Subcontractor's employees or others during the Work is included. This Subcontractor to provide any barricades, caution tape, spotters, and/or safety equipment necessary to protect the public, employees, and the property.
- 17.0.24 Subcontractor shall have a qualified foreman and/or superintendent onsite at all times during the performance of the Work and be capable of directing crews. This individual must be fluent in written and spoken English and be reasonably acceptable to the Contractor as a supervisor. The Subcontractor's onsite foreman and/or superintendent shall always be equipped with a cellular telephone during working hours and provide the Contractor with Emergency Contact Information for non-working hours.
- 17.0.25 Subcontractor shall be responsible to coordinate and work with each other to eliminate conflicts during the installation of the Work. No change orders will be accepted by the Contractor for relocation and/or replacement of the Work due to the Subcontractor's lack of coordination in performing their respective scopes of work.
- 17.0.26 Manufactured items shall be installed in strict accordance with the manufacturer's printed directions, specifications and/or recommendations for installation of highest quality. All working parts shall be properly adjusted after installation and left in new working order.
- 17.0.27 Temporary electricity supplied by the Electrical Contractor will include minimal wattage single phase for small electric hand tools and basic construction temporary lighting only in accordance with OSHA guidelines. Any specific power requirements for welding, task lighting or other operations are to be provided by this Subcontractor.
- 17.0.28 If temporary "task" lighting is required to complete the Subcontractor's work, then the Trade Subcontractor requiring the temporary "task" lighting in order to complete its work shall provide its own temporary lighting at its own expense.
- 17.0.29 All stored materials must be protected from moisture, temperature, weather elements, theft, and vandalism, and stored at locations as not to interfere with the performance of other subcontractors. Any damages or theft resulting from the storing of materials are the responsibility of the Subcontractor. Re-handling of onsite materials that interfere with the work of other subcontractors shall be at no cost to the Contractor.
- 17.0.30 Each Subcontractor will remove all excess materials from the site at the time work has been completed. Failure to do so the General Contractor will give the Subcontractor a 24-hour notice at the end of this 24 hours the General Contractor will make arrangements to have the material removed. This work and the supervision of this work will be at the cost of this Subcontractor.
- 17.0.31 This Subcontractor shall be responsible for cold and hot weather protection as required to perform the Work so not to delay the Project Construction Schedule.



17.0.32 Each Trade Subcontractor shall be responsible for notifying the City Inspectors and/or County Inspectors and/or State Inspectors when their services or inspections are required. Expedite notification to ensure proper lead-time. The Trade Subcontractor shall notify the General Contractor in writing twenty-four (24) hours prior to any inspection.

17.0.33 This Subcontractor is responsible for all Contract Documents for this project. No allowance will be made for lack of knowledge of other subcontractors' work or existing conditions required in connection with HVAC, plumbing, electrical and other Subcontractors, including Owner furnished equipment.

17.0.34 Subcontractors entitlement to additional overhead and profit as a result of such changes, if any, shall not exceed a combined total of fifteen percent (15%) of the value of the Work to be self-performed.

**—OTHER SCHEDULE SUMMARY INFORMATION—**

The Substantial Completion date for the General Trades Subcontractor is as reflected within the Construction Schedule. Special attention should be directed to the Construction Schedule for project sequencing requirements which are a requirement of this Scope of Work. Reference Schedule Milestone Table extracted from the Project Schedule below for other specifics related to this Scope of Work.

SCHEDULE MILESTONE TABLE		
ACTIVITY NO.	ACTIVITY DESCRIPTION	COMPLETION DATE OR DURATION
PC1040	Final Approval – C of O	8/24/2026

**—UNIT PRICES—**

To the extent that some or all of the Subcontractor's Work is to be performed on a unit price basis, the Subcontract Amount shall be computed in accordance with the unit prices set forth below. Unit prices are deemed to include all costs related to Subcontractor's performance of the Work, including, but not limited to, costs of labor, supervision, services, materials, equipment, tools, scaffolds, hoisting, transportation, storage, insurance, and taxes, and all overhead and profit. Quantities shall be measured by means acceptable to Owner, General Contractor and Subcontractor, and if applicable, an independent testing firm hired by Owner.

UNIT PRICES			
UNIT NO.	UNIT PRICE DESCRIPTION	UNIT PRICE	UNIT MEASURE
L1	Laborer Rate		Hour
L2	Foremen Rate		Hour

**—ALTERNATES—**



Each alternate designated below has been separated into the following three categories:

- “Accepted” – Alternate was accepted by General Contractor and the dollar value for the alternate is included within the Subcontractor Amount.
- “Pending” – Alternate is pending award by General Contractor with the decision being deferred until the date defined within each applicable Alternate. This cost is NOT included in the Subcontractor Amount.
- “Declined” – Alternate was NOT accepted by General Contractor and the dollar value for the alternate is NOT included within the Subcontractor Amount. By declining the alternate, all requirements applicable thereof are deleted from the contract documents.

ALTERNATES			
ALTERNATE NO.	ALTERNATE DESCRIPTION	VALUE	STATUS
P1	Payment and performance bond		pending

If requested, the cost of the Performance and Payment Bonds (amount as provided) will be reimbursed to the Subcontractor based on the following revised contract revision noted below:

Subcontractor shall provide Performance and Payment Bonds, if required, each with a penal amount equal to 100% of the Subcontract Amount, on forms acceptable to the General Contractor. The premium for these bonds shall be paid by Subcontractor and the cost thereof shall be invoiced separately to the General Contractor based on the Subcontractor providing an actual paid receipt from its surety agent. The value of the Performance and Payment bond in all cases shall not be more than the Subcontractor’s bid alternate amount submitted for these bonds. If the bond(s) value is more than the bid amount submitted for these bonds, the Subcontractor shall pay the difference to its surety agent at its cost.

**END OF SECTION**  
**TRADE PACKAGE SCOPE OF WORK:**  
**01B GENERAL TRADES SUBCONTRACT**



## **TRADE PACKAGE SCOPE OF WORK**

### **03A – CAST-IN-PLACE CONCRETE SUBCONTRACT**

Furnish all labor, materials, tools, taxes, safety, insurances, equipment, hoisting, cranes, supervision, and all other incidentals necessary to accomplish all **Cast-in-place concrete** Work in accordance with all Contract Documents and as defined within **Trade Package General Scope Requirements** and this Scope of Work.

**Subcontractors/Suppliers performing work on multiple portions of the project site (i.e., buildings, parking area, site, etc.) shall provide separate equipment, hoisting, cranes, supervision including, but not limited to management, superintendent, foreman, tradesman, laborers, etc. for each portion unless agreed to otherwise in writing by the General Contractor. If the project needs and schedule are not being met to the satisfaction of the General Contractor, written approval will be rescinded, and the original staffing requirements shall be provided by the Subcontractor.**

Project Specifications for the **Cast-in-place concrete** Scope of Work are listed below. This Subcontractor or Supplier shall carefully examine all specification sections and drawings within the Contract Documents and be responsible for all work described within this Scope of Work and as required on the project.

### **PROJECT SPECIFICATIONS**

This Subcontractor is responsible for all Division 1 - General Requirements as listed below prepared by the Architect, Design Consultants, and/or General Contractor or as designated elsewhere within the Technical Specifications or Drawings as applicable to this Trade Package Scope of Work.

<b>DIVISION 1 – GENERAL REQUIREMENTS</b>	
<b>GC Req.</b>	<b>General Requirements Manual</b>
<b>GC Req.</b>	<b>Trade Package Scope Manual</b>
<b>GC Req.</b>	<b>Trade Package General Scope Requirements</b>

### **Primary Responsibility**

**This Subcontractor is responsible for all Primary Specification Responsibilities listed below unless this Scope of Work specifically states otherwise.**

<b>PRIMARY TECHNICAL SPECIFICATION RESPONSIBILITIES (PROJECT MANUAL)</b>	
	<b>Specifications are included on the Drawings</b>
00 & 01	All division 00 and 01 specifications
031000	Concrete Forming and Accessories
032000	Concrete Reinforcing
033000	Cast-in-Place Concrete
033000.01	Cast-in-Place Concrete – Burn Building, Training Tower, and Drafting Pit
079200	Joint Sealants

### **Secondary Responsibility**

**This Subcontractor is responsible for all Secondary Specification Responsibilities listed below to the extent applicable, or defined, within this Scope of Work.**

<b>SECONDARY TECHNICAL SPECIFICATION RESPONSIBILITIES</b>	
	<b>Specifications are included on the Drawings</b>
042000	Unit Masonry
042000.01	Unit Masonry Assemblies – Burn Building and Training Tower
051200	Structural Steel Framing
052100	Steel Joist Framing
055000	Metal Fabrications
055000.01	Metal Fabrications – Burn Building, Training Tower, and Drafting Pit
070001	Burn Building/Training Structure Thermal Linings
312000	Earth Moving

### **Primary Responsibility**

**This Subcontractor is responsible for all Primary Specification Responsibilities listed below unless this Scope of Work specifically states otherwise.**

<b>PRIMARY TECHNICAL SPECIFICATION RESPONSIBILITIES (DRAWINGS)</b>		
<b>DRAWING NO.</b>	<b>DRAWING NAME</b>	<b>SPECIFIC ITEM</b>
BID DOCUMENTS	ALL DRAWINGS	<p>This Subcontractor shall furnish and install a complete turnkey of Work for <b>BP-03A-CONCRETE</b>, per the Contract Documents to include, but not limited to: including all accessories and incidentals for a complete job with no exceptions.</p> <p>This Subcontractor shall coordinate with other trades as applicable to complete this Scope of Work including</p>
All	All	Subcontractor owns all drawings and notes as it relates to the Cast-in-Place Concrete scope. The items listed below are intended to add clarification. Notes or drawings not included below does not alleviate the subcontractor from ownership.
All	Notes, General Notes, Key Notes, and specifications	All concrete notes/specs and items as it relates to cast-in-place concrete and associated joint sealants and items to be coordinated with other trades.

The Cast in Place Concrete Subcontractor shall be responsible for complying with the requirements of each Scope of Work Description / Clarification Section listed below, **even if** those requirements are not shown within the Specification Sections listed above.

This Subcontractor shall be responsible for all Primary Specification Responsibilities identified above in their entirety. All costs associated with Primary Specification Responsibilities shall be included in this Subcontractor's Scope of Work and reflected in bid amount.

This Subcontractor shall be at least partially responsible for Secondary Specification Responsibilities identified above. The Secondary Specifications identify work scopes for which this Subcontractor is not wholly responsible but shall be applicable as it relates to the execution of Primary Specification Responsibilities. This may include a varying degree of responsibility from simple coordination to performing entire portions of work. The Secondary Specifications are not intended to be all inclusive and shall not limit the Subcontractor in any way with regards to installation of work identified in Primary Specification Responsibilities.

The Cast in Place Concrete Subcontractor is responsible for all Work described herein and below unless specifically noted otherwise to be part of another Subcontractor's Scope of Work. If for some reason an item of scope is included inadvertently in this scope of work and another trade package scope of work, this Subcontractor shall be responsible for including the subject scope of work within its base bid proposal regardless.

### **3.0 CAST-IN-PLACE CONCRETE SCOPE OF WORK DESCRIPTION**

3.0.1 Turnkey Concrete - This Scope of Work includes all concrete work inside and outside building footprints excluding site concrete paving, sidewalks, curb & gutter, and including, but not limited to, stairs, footings, foundation walls, CIP structure, slabs on grade, Drafting Pit, housekeeping/equipment pads, etc. as required within Contract Documents. The following structures are within scope;

- .0.1.1 Training Tower
- .0.1.2 Burn Building
- .0.1.3 Shade Structure
- .0.1.4 Covered Storage
- .0.1.5 Drafting Pit

3.0.2 Review all cast-in-place concrete requirements as it relates to the installation of the Thermal linings scope of work. Please refer to the following; Specification 070001 "Training Structure Thermal Linings", Thermal lining System notes on BB001, and the HTL Contractor Letter attachment. If any discrepancies and or conflicts arise between details and notes the subcontractor is to provide an RFI to the construction manager prior to starting the

scope of work.

- 3.0.3 Drafting Pit – subcontractor to provide all concrete, reinforcement, and accessories for this scope of work. Subcontractor owns installation of items cast in concrete. Waterproofing, misc metals, and earthwork are by other bid packages.
- 3.0.4 The Concrete subcontractor shall reference all Civil and Landscape drawings and details to gain a complete understanding of the work included in this Scope of Work. Because a thorough inspection of all drawings is required, change orders will not be issued for any work missed by this Subcontractor.
- 3.0.5 The Concrete Subcontractor shall assume the responsibility for determining if the site related work subgrade elevations as delivered by others are within a tolerance of plus or minus one tenth (+0.10') of one foot and are in conformance with the information reflected on the drawings. The Construction Manager shall be notified of the acceptance or rejection of these subgrades prior to commencement of this scope of work.
- 3.0.6 Provide a full and complete under slab vapor barrier system and required accessories.
- 3.0.7 Cast-in-Place Concrete Stairs – This work shall include furnishing and installing all concrete stairs. This shall include, but not be limited to, all labor, concrete, reinforcement, compaction of subgrade, installation & compaction of ABC stone, wire mesh, dowels, expansion joints, and stair nosings etc. as required to complete this scope of work. Handrails to be supplied by Miscellaneous Metals Subcontractor.
  - .0.7.1 Stairs in Training Tower and Burn Building may be pre-cast or site cast with approval by the design team. If the subcontractor wishes to proceed with either, please submit a substitution request form before the Pre-bid RFI due date
- 3.0.8 Cast-in-place wall caps – Furnish and install all cast-in-place wall caps and window sills. Reference typical window sill sections and parapet wall details.
  - .0.8.1 If subcontractor wishes to review precast approach, a pre-bid RFI with substitution request form must be submitted and approved by design team prior to bid submission.
- 3.0.9 Concrete Formwork – This Subcontractor shall provide all concrete form work, including but not limited to, concrete forms, rebar templates, construction joints, etc. as required to complete this scope of work.
- 3.0.10 Concrete Finishes – This Work shall include placement and finishing of all concrete furnished and installed as part of this scope of work in accordance with the finish tolerance requirements specified. This includes specified joint details and tolerances for coordination with all scopes.

- 3.0.11 Concrete finishes – This work shall include all slopes, crickets, drip edges, etc. associated with creating the design pitch and drainage for all floor of the Burn Building and Training Tower. Refer to slope and cricket notes on Architectural Floor Plans for Burn Building and Training Tower.
- 3.0.12 Concrete Curing – This Work shall include furnishing and installing specified curing and sealing compounds at all concrete scheduled as part of this Scope of Work. **This include all post applied concrete coating/sealer. Refer to note 3 on BB201.**
- 3.0.13 Provide necessary means/plans to account for cold and or hot weather concrete placement.
- 3.0.14 Concrete Reinforcement and Accessories – This Work shall include furnishing and installing a complete concrete reinforcement and accessories system, including but not limited to, all reinforcing steel, Tie wire, bar supports, bar chairs, expansion joint filler and felts, adhesive anchors, etc. as required to complete this scope of work. Provide all dowels in locations where reinforcement is shown in concrete for CMU partitions. BP-04A owns the continuation of the reinforcement in CMU walls.
- 3.0.15 Coordinate Reinforcing placement with all post-installed anchors at guardrails, doors, shutters, scuppers, rope tie-off anchors, and misc metals that fasten into concrete.
- 3.0.16 Cast-in-place concrete subcontractor owns installation of items furnished by other trade packages that are embedded or cast into concrete such as anchor bolts, leveling plates, bearing plates, anchor plates, doorway plates, drainage pipe, etc.
- 3.0.17 This subcontractor owns concrete fill around structural steel after steel has been set and any lean concrete.
- 3.0.18 This subcontractor shall furnish and install concrete caps per the ventilation opening detail
- 3.0.19 Provide proper concrete coverage protection for steel reinforcement as described in table 2 – “Concrete protection for steel reinforcement”
- 3.0.20 All necessary conveyance equipment required to place and finish all concrete shall be provided as part of this Scope of Work.
- 3.0.21 Provide all control joints as required for cast-in-place concrete. Formed and sawcut.
- 3.0.22 Chamfer corners and edges of exposed concrete where indicated.
- 3.0.23 Provide a labor allowance of 100 hours to be used at the discretion of the construction manager. Unused allowance will be credited back to the CM in the form of a deduct change order.

- 3.0.24 The Concrete Subcontractor is responsible for all noise, silica, dust and exhaust control related to this Scope of Work.
- 3.0.25 Cast-in-place concrete subcontractor shall be responsible for all required fall protection per OSHA and Samet's Safety plan. Subcontractor shall be responsible for installation, maintenance, and removal fall protection railings, toe kicks, and devices at all cast-in-place structures. Slab grabber rail system or similar to be used. Subcontractor shall perform all patching required after removal.
- 3.0.26 This subcontractor shall be responsible for scheduling and coordinating deliveries, etc. with the Construction Manager and the Owner.
- 3.0.27 Subcontractor shall keep and maintain at the jobsite one (1) complete and current set of Contract Drawings, which must be used for the purpose of recording all changes occurring during the construction of this project. Red line as built documents shall be updated weekly as progress occurs. Progress is to be indicated by coloring-in various components of work and associated appurtenances exactly as they are erected. These drawings shall be used to produce the final as-built drawings.
- 3.0.28 Warranty to begin at date of project final completion unless specified otherwise in the contract documents.
- 3.0.29 This Subcontractor as part of the base bid is required to review the contract documents for incomplete design, scope gaps, etc. Each subcontractor shall include in their base bid all items related to their scope of work that can be inferred from the contract documents. Change Orders will not be issued for these items.
- 3.0.30 This Subcontractor shall include all mobilizations as required to complete this scope of work. Subcontractor acknowledges and agrees to comply with the following requirements of the project schedule as part of this scope of work.
- 3.0.31 This Subcontractor is required to attend all weekly Subcontractor meetings. Failure to attend will result in a \$500 fine for each missed meeting.
- 3.0.32 All submittals, close-out documentation, etc. should be submitted via hard copies and electronic copies, as requested by the Construction Manager.
- 3.0.33 If contract documents and scopes of work conflict, the most stringent requirements shall apply and be provided by this Subcontractor.
- 3.0.34 This subcontractor is responsible for Quality Control of their work and or their subcontractor's work and includes providing a punch list toward the end of their scope prior to the Construction Manager punching out the work.

- 3.0.35 This project is based on a mandatory (5) days per week (Monday through Friday), with eight (8) hour days minimum work week. Additional shifts and weekends being used for make-up days for inclement weather and Holidays. Subcontractors are required and agree to provide adequate manpower and supervision acceptable to the Construction Manager to comply with the Project Schedule.
- 3.0.36 Coordinate testing requirements according to the statement of special inspections and project documents.
- 3.0.37 Bids shall reflect the allotted time to complete this scope of work as outlined in the Project Schedule.
- 3.0.38 This subcontractor shall utilize the onsite concrete washout area for all washout. Sub is responsible for disposal of concrete.

## **7.0 THERMAL AND MOISTURE PROTECTION SCOPE OF WORK DESCRIPTION**

- 7.0.1 Provide a full and complete expansion/sealant joint system at all locations required for completion of this scope. This work shall include all concrete-to-concrete joints and concrete-to-steel joints.

## **31.0 EARTHWORK SCOPE OF WORK DESCRIPTION**

- 31.0.1 Graded Aggregate Stone Base - This Work shall include furnishing and installing a graded and compacted aggregate stone base/porous fill underneath concrete as indicated on contract documents.
- 31.0.2 This Subcontractor shall be responsible all fine grading associated with this scope of work. Inclusive of minor excavation required to form foundations, haunches, ect.

## **39.0 SCOPE OF WORK CLARIFICATIONS AND/OR OTHER REQUIREMENTS**

- 39.0.1 The intent of this section is to clarify the assignment of the Trade Work, and not to alter or change the specifications and design requirements.
- 39.0.2 All correspondence and/or communication must be directed through General Contractor. All construction directives must come through General Contractor. Do NOT contact the Owner, Owner Consultant, or Architect directly without the consent of General Contractor.
- 39.0.3 The scope items listed in this Exhibit are to be used only as a guide and in no way limits the Scope of Work to those items listed.
- 39.0.4 It is recognized and understood that this Subcontractor was selected for their expertise

and knowledge of this specialized work, and it is expected that the subcontractor did and has included in their scope of work all items and quality control required to carry out the intent of the Contract Documents to completion.

- 39.0.5 This Subcontractor shall provide, but not limited to the following items which may or may not be clearly defined in the Contract Documents as being within the Scope of Work of this Subcontract Agreement: standards, certifications, testing, cleaning, inspecting, field quality control, close-out procedures, labels, field measurements and verifications, coordination with other trades, shop drawings and submittals, as-built drawings (PDF set), operating and maintenance instruction manuals, etc.
- 39.0.6 Each Subcontractor is responsible for inspecting the work that precedes its work and reporting any deficiencies which will affect its work to the Contractor prior to commencing with the new work. Once the new work has been installed over preceding work, the Contractor shall consider this action as the Subcontractor installing the new work as acceptance of all preceding work.
- 39.0.7 In cases where Division One Specifications contain conflicting information with Documents made a part of this Subcontract, the provisions, terms, conditions, etc. the more stringent shall take precedence.
- 39.0.8 Subcontractor shall be responsible for all freight, delivery, equipment, loading, unloading, rigging, and hoisting, as required to perform this Work. All costs associated with delivery of materials and equipment to perform the Scope of Work is included.
- 39.0.9 Extra Materials – This work shall include providing extra materials (attic stock) as specified.
- 39.0.10 Multiple mobilizations will be required for the completion of this Scope of Work. No additional compensation will be provided for multiple mobilization requirements. Samet will make every effort to limit the number of mobilizations.
- 39.0.11 This Subcontractor shall NOT include the cost for their Payment and Performance Bonds in their bid amount, however if requested by the General Contractor, this Subcontractor shall provide a Performance and Payment Bond at Cost if awarded the Subcontract.
- 39.0.12 It is understood there may be utilities (new or existing), equipment, or other trades potentially in the way during operations performed by this Subcontractor. This Subcontractor agrees to coordinate as necessary to work around all obstacles to meet the requirements of the schedule.
- 39.0.13 The project site shall be open for subcontractor work from 7:00am-5:00pm, Monday-Friday, unless otherwise directed by the Construction Manager. The site will be open on Saturdays and Sundays for make-up days only on a pre-approved basis. No work, deliveries, pickups, or subcontractor presence shall be allowed outside of normal site



hours without prior approval from the Construction Management Team. Note that the availability of Samet supervisory coverage may impact this approval process.

- 39.0.14 This Subcontractor will be responsible for all required cleanup of their excess materials and equipment on a daily basis. This Subcontractor is also responsible for protection of its work. All cost associated with this required cleanup and protection is to be included in their base proposal including but not limited to weather protection for all roofing work as needed to maintain the requirements of the Contract Documents.
- 39.0.15 While completing this Subcontractors Scope of Work, this Subcontractor is responsible for daily cleanup of their materials. All trash and debris generated by this Subcontractor should be disposed of in the provided onsite dumpster.
- 39.0.16 This Subcontractor shall submit a site-specific safety plan before beginning work. A template will be provided by the Construction Manager at the pre-install meeting.
- 39.0.17 This Subcontractor shall submit SDS forms before beginning work.
- 39.0.18 This Subcontractor shall submit a QA/QC plan before beginning work. A template will be provided by the Construction Manager at the pre-install meeting.
- 39.0.19 All workers under this Subcontract shall attend a Samet Site Orientation meeting on their first day on this project BEFORE beginning work. New workers should report to Samet staff upon arrival to the site.
- 39.0.20 This Subcontractor shall complete all Samet required safety and job reports DAILY by 9am. Electronic and hard copies of all needed forms will be supplied to this Subcontractor at the Pre-Install meeting. Forms will include a Daily Report and a Pre-Task Plan at a minimum with other safety forms submitted as required by daily activities.
- 39.0.21 This Subcontractor shall reference scope clarification drawings included in the trade scope manual for specific directions on additions and deletions regarding this Scope of Work.
- 39.0.22 Labor and material prices are guaranteed through the duration of the project. Escalation costs are prohibited. The contract price shall not be increased for any coordination work related to conflict resolution, miscellaneous or incidental items required for the work to meet the intent of the Owner, architect's and engineer's design, the Contract Documents, plans, or specifications.
- 39.0.23 Maintenance of controlled access zones and fall protection as required by OSHA, for the safety of the Subcontractor's employees or others during the Work is included. This Subcontractor to provide any barricades, caution tape, spotters, and/or safety equipment necessary to protect the public, employees, and the property.

- 39.0.24 Subcontractor shall have a qualified foreman and/or superintendent onsite at all times during the performance of the Work and be capable of directing crews. This individual must be fluent in written and spoken English and be reasonably acceptable to the Contractor as a supervisor. The Subcontractor's onsite foreman and/or superintendent shall always be equipped with a cellular telephone during working hours and provide the Contractor with Emergency Contact Information for non-working hours.
- 39.0.25 Subcontractor shall be responsible to coordinate and work with each other to eliminate conflicts during the installation of the Work. No change orders will be accepted by the Contractor for relocation and/or replacement of the Work due to the Subcontractor's lack of coordination in performing their respective scopes of work.
- 39.0.26 Manufactured items shall be installed in strict accordance with the manufacturer's printed directions, specifications and/or recommendations for installation of highest quality. All working parts shall be properly adjusted after installation and left in new working order. If at anytime the manufacturer installation instructions differ from the contract documents, the subcontractor is to bring this to the attention of the Construction Manager prior to installation.
- 39.0.27 Temporary electricity supplied by the Electrical Contractor will include minimal wattage single phase for small electric hand tools and basic construction temporary lighting only in accordance with OSHA guidelines. Any specific power requirements for welding, task lighting or other operations are to be provided by this Subcontractor.
- 39.0.28 If temporary "task" lighting is required to complete the Subcontractor's work, then the Trade Subcontractor requiring the temporary "task" lighting in order to complete its work shall provide its own temporary lighting at its own expense.
- 39.0.29 All stored materials must be protected from moisture, temperature, weather elements, theft, and vandalism, and stored at locations as not to interfere with the performance of other subcontractors. Any damages or theft resulting from the storing of materials are the responsibility of the Subcontractor. Re-handling of onsite materials that interfere with the work of other subcontractors shall be at no cost to the Contractor.
- 39.0.30 Each Subcontractor will remove all excess materials from the site at the time work has been completed. Failure to do so the General Contractor will give the Subcontractor a 24-hour notice at the end of this 24 hours the General Contractor will make arrangements to have the material removed. This work and the supervision of this work will be at the cost of this Subcontractor.
- 39.0.31 Subcontractor shall be responsible for cold and hot weather protection as required to perform the Work so not to delay the Project Construction Schedule.
- 39.0.32 Each Trade Subcontractor shall be responsible for notifying the City Inspectors and/or

County Inspectors and/or State Inspectors when their services or inspections are required. Expedite notification to insure proper lead-time. The Trade Subcontractor shall notify the General Contractor in writing twenty-four (24) hours prior to any inspection.

39.0.33 This Subcontractor is responsible for all Contract Documents for this project. No allowance will be made for lack of knowledge of other subcontractor's work or existing conditions required in connection with HVAC, plumbing, electrical and other Subcontractors, including Owner furnished equipment.

39.0.34 Subcontractors entitlement to additional overhead and profit as a result of such changes, if any, shall not exceed a combined total of fifteen percent (15%) of the value of the Work to be self-performed.

**—OTHER SCHEDULE SUMMARY INFORMATION—**

The Substantial Completion date for the Cast-in-Place Concrete Subcontractor is as reflected within the Construction Schedule. Special attention should be directed to the Construction Schedule for project sequencing requirements which are a requirement of this Scope of Work. Reference Schedule Milestone Table extracted from the Project Schedule below for other specifics related to this Scope of Work.

SCHEDULE MILESTONE TABLE		
ACTIVITY NO.	ACTIVITY DESCRIPTION	COMPLETION DATE OR DURATION
BB1010	Foundations (Burn Building)	10 Days
BB1020	CIP Concrete Structure Complete (slabs, structure ,stairs) -Burn Building	50 Days
A8490	Foundation (Training Tower)	10 Days
A8500	CIP Concrete Structure Complete (slabs, structure ,stairs) – Training Tower	45 Days
A8630	Foundations (Shade Structure)	5 Days
A8620	Foundations and SOG (Covered Storage)	10 Days
A8610	Construct Drafting Pit	30 Days
PC1040	Final Approval – C of O	8/24/2026

—ALLOWANCES—

Allowances shall cover the cost of all materials and equipment delivered at the site and all required taxes, less applicable trade discounts. Costs for unloading and handling at the site, labor, installation costs, overhead, profit and other expenses associated with stated allowance amounts shall be included in the Subcontract Amount but not in the allowances. Whenever costs are more than or less than an allowance amount, the Subcontract Amount shall be adjusted accordingly by Change Order. The amount of the Change Order shall reflect the difference between actual costs and the allowances.

ALLOWANCES		
ALLOWANCE NO.	ALLOWANCE DESCRIPTION	AMOUNT

—UNIT PRICES—

To the extent that some or all of the Subcontractor's Work is to be performed on a unit price basis, the Subcontract Amount shall be computed in accordance with the unit prices set forth below. Unit prices are deemed to include all costs related to Subcontractor's performance of the Work, including, but not limited to, costs of labor, supervision, services, materials, equipment, tools, scaffolds, hoisting, transportation, storage, insurance, and taxes, and all overhead and profit. Quantities shall be measured by means acceptable to Owner, General Contractor and Subcontractor, and if applicable, an independent testing firm hired by Owner.

UNIT PRICES			
UNIT NO.	UNIT PRICE DESCRIPTION	UNIT PRICE	UNIT MEASURE
L1	Laborer Rate		Hour
L2	Carpenter Rate		Hour
L3	Foreman Rate		Hour

—ALTERNATES—

Each alternate designated below has been separated into the following three categories:

- "Accepted" – Alternate was accepted by General Contractor and the dollar value for the alternate is included within the Subcontractor Amount.
- "Pending" – Alternate is pending award by General Contractor with the decision being deferred until the date defined within each applicable Alternate. This cost is NOT included in the Subcontractor Amount.
- "Declined" – Alternate was NOT accepted by General Contractor and the dollar value for the alternate is NOT included within the Subcontractor Amount. By declining the alternate, all requirements applicable thereof are deleted from the contract documents.



ALTERNATES			
ALTERNATE NO.	ALTERNATE DESCRIPTION	VALUE	STATUS
P1	Payment and Performance Bond		Pending

Subcontractor shall provide Performance and Payment Bonds, if required, each with a penal amount equal to 100% of the Subcontract Amount, on forms acceptable to the General Contractor. The premium for these bonds shall be paid by Subcontractor and the cost thereof shall be invoiced separately to the General Contractor based on the Subcontractor providing an actual paid receipt from its surety agent. The value of the Performance and Payment bond in all cases shall not be more than the Subcontractor's bid alternate amount submitted for these bonds. If the bond(s) value is more than the bid amount submitted for these bonds, the Subcontractor shall pay the difference to its surety agent at its cost.

**END OF SECTION**  
**TRADE PACKAGE SCOPE OF WORK:**  
**03A – CAST-IN-PLACE CONCRETE SUBCONTRACT**

## **TRADE PACKAGE SCOPE OF WORK**

### **09A DRYWALL, METAL FRAMING, & INSULATION SUBCONTRACT**

Furnish all labor, materials, tools, taxes, safety, insurances, equipment, hoisting, cranes, supervision, and all other incidentals necessary to accomplish all **Drywall, Metal Framing, & Insulation** Work in accordance with all Contract Documents and as defined within **Trade Package General Scope Requirements** and this Scope of Work.

**Subcontractors/Suppliers performing work on multiple portions of the project site (i.e., buildings, parking area, site, etc.) shall provide separate equipment, hoisting, cranes, supervision including, but not limited to management, superintendent, foreman, tradesman, laborers, etc. for each portion unless agreed to otherwise in writing by the General Contractor. If the project needs and schedule are not being met to the satisfaction of the General Contractor, written approval will be rescinded, and the original staffing requirements shall be provided by the Subcontractor.**

Project Specifications for the Drywall, Metal Framing, & Insulation Scope of Work are listed below. This Subcontractor or Supplier shall carefully examine all specification sections and drawings within the Contract Documents and be responsible for all work described within this Scope of Work and as required on the project.

### **PROJECT SPECIFICATIONS**

This Subcontractor is responsible for all Division 00 & 01 - General Requirements as listed below prepared by the Architect, Design Consultants, and/or General Contractor or as designated elsewhere within the Technical Specifications or Drawings as applicable to this Trade Package Scope of Work.

<b>DIVISION 1 – GENERAL REQUIREMENTS</b>	
<b>GC Req.</b>	<b>General Requirements Manual</b>
<b>GC Req.</b>	<b>Trade Package Scope Manual</b>
<b>GC Req.</b>	<b>Trade Package General Scope Requirements</b>

### **Primary Responsibility**

**This Subcontractor is responsible for all Primary Specification Responsibilities listed below unless this Scope of Work specifically states otherwise.**

<b>PRIMARY TECHNICAL SPECIFICATION RESPONSIBILITIES (PROJECT MANUAL)</b>	
	<b>Specifications are included on the Drawings</b>
054000	Cold-Formed Metal Framing
061053	Miscellaneous Rough Carpentry
061600	Sheathing
072100	Thermal Insulation
079200	Joint Sealants



092216	Non-structural Metal Framing
092900	Gypsum Board
099659	Fiberglass Mat Reinforced Wall Coating System

#### **Secondary Responsibility**

**This Subcontractor is responsible for all Secondary Specification Responsibilities listed below to the extent applicable, or defined, within this Scope of Work.**

<b>SECONDARY TECHNICAL SPECIFICATION RESPONSIBILITIES</b>	
	<b>Specifications are included on the Drawings</b>
042000	Unit Masonry
042000.01	Unit Masonry Assemblies – Burn Building and Training Tower
076200	Sheet metal Flashing and Trim

#### **Primary Responsibility**

**This Subcontractor is responsible for all Primary Specification Responsibilities listed below unless this Scope of Work specifically states otherwise.**

<b>PRIMARY TECHNICAL SPECIFICATION RESPONSIBILITIES (DRAWINGS)</b>		
<b>DRAWING NO.</b>	<b>DRAWING NAME</b>	<b>SPECIFIC ITEM</b>
BID DOCUMENTS	ALL DRAWINGS	This Subcontractor shall furnish and install a complete turnkey of Work for <b>BP-09A Drywall, Metal Framing, and Insulation</b> , per the Contract Documents to include, but not limited to: including all accessories and incidentals for a complete job with no exceptions.  This Subcontractor shall coordinate with other trades as applicable to complete this Scope of Work including
All	All	Subcontractor owns all drawings and notes as it relates to the drywall, framing, and insulation scope. The items listed below are intended to add clarification. Notes or drawings not included below does not alleviate the subcontractor from ownership.
All	Notes, General Notes, Key Notes, and specifications	All notes/specs and items as it relates to drywall, framing, and insulation and items to be coordinated with other trades.

The Drywall, Metal Framing, & Insulation Subcontractor shall be responsible for complying with the requirements of each Scope of Work Description / Clarification Section listed below, **even if** those requirements are not shown within the Specification Sections listed above.

This Subcontractor shall be responsible for all Primary Specification Responsibilities identified above in their

entirety. All costs associated with Primary Specification Responsibilities shall be included in this Subcontractor's Scope of Work and reflected in bid amount.

This Subcontractor shall be at least partially responsible for Secondary Specification Responsibilities identified above. The Secondary Specifications identify work scopes for which this Subcontractor is not wholly responsible but shall be applicable as it relates to the execution of Primary Specification Responsibilities. This may include a varying degree of responsibility from simple coordination to performing entire portions of work. The Secondary Specifications are not intended to be all inclusive and shall not limit the Subcontractor in any way with regards to installation of work identified in Primary Specification Responsibilities.

The Drywall, Metal Framing, & Insulation Subcontractor is responsible for all Work described herein and below unless specifically noted otherwise to be part of another Subcontractor's Scope of Work. If for some reason an item of scope is included inadvertently in this scope of work and another trade package scope of work, this Subcontractor shall be responsible for including the subject scope of work within its base bid proposal regardless.

## **5.0 COLD-FORMED METAL FRAMING**

- 5.0.1 Cold Formed Metal Framing – This Work shall include providing and installing a complete Cold Formed Metal Framing system including but not be limited to, all engineered shop drawings, light gauge structural steel studs with design load and structural analysis data signed and sealed by a qualified professional engineer (who is legally qualified to practice in the jurisdiction where the project is located), non-load bearing structural end wall steel stud framing, light and heavy gauge steel studs, steel track, single deflection steel track, metal stud x bracing, bridging, blocking, etc., framing accessories, anchor bolts, expansion anchors, power actuated anchors, mechanical fasteners, clips, galvanizing touch up paint where required, light gauge steel hat and/or furred channels, cold rolled steel channels, miscellaneous light gauge steel components, closure angle at doors and windows, etc. to complete all cold formed metal framing work designated within the Contract Documents.

## **6.0 ROUGH CARPENTRY AND SHEATHING**

- 6.0.1 Interior In-wall Blocking- This subcontractor shall provide/coordinate any required in wall blocking needed unless noted otherwise. This subcontractor shall provide layout for all materials being furnished or provided in this Scope of Work. Layout shall comply with manufacturer's recommendations for mounting and all applicable codes. This subcontractor is responsible to field verify all blocking prior to wall close-in. Any missed blocking and resultant patching of adjacent surfaces is the responsibility of this Subcontractor.
- 6.0.2 Provide blocking for all millwork, casework, shelving, handrails, markerboards, overhead coiling door, toilet accessories, wall and door protection, equipment cabinets, fire extinguishers, OFCI items, TVs, window treatments, and signage.



- 6.0.3 Provide all exterior gyp sheathing for all systems.
- 6.0.4 Provide blocking for all roofing assemblies.
- 6.0.5 This subcontractor shall provide all associated rough carpentry associated with this scope of work.

## **7.0 THERMAL AND MOISTURE PROTECTION SCOPE OF WORK DESCRIPTION**

- 7.0.1 Provide all batt and/or rigid thermal, fire-safing, and/or sound insulation where specified or indicated within or behind gypsum assemblies or withing CFMF. Exterior wall cavity insulation at masonry and metal wall panels will be by others.
- 7.0.2 Trade Contractor shall provide all firesafing and firestopping at all partition types and to adjacent surfaces per the UL and partition type details associated with this Trade Contractors scope of work and this Trade Contractors own penetrations. MEP trades shall firesafe & firestop their own penetrations.
- 7.0.3 Provide all acoustical sealant and insulation within this work and between this work and other trades.
- 7.0.4 Provide all insulation where specified pursuant to the specification insulation schedule and the wall type designation including rock wool in wall insulation, polyiso insulation, soffits, acoustical insulation.

## **9.0 FINISHES SCOPE OF WORK DESCRIPTION**

- 9.0.1 Drywall Construction - This Work shall include providing a complete Gypsum Drywall and the Non-Structural Metal Framing for the building, including but not limited to, submittals, scaffolds, material lifts, all light gauge steel studs, metal stud x bracing, light gauge steel hat and/or furred channels, miscellaneous light gauge steel components, kickers, supports, track, power actuated anchors, mechanical fasteners, clips, gypsum ceiling clips, gypsum board, gypsum board sheathing, moisture resistant sheet rock, cement board, gypsum joint taping and finishing, gypsum board, tile backer board at wall tile locations, water resistant gypsum backing board, mold resistant gypsum board when complete scheduled dry in is after this work commences, acoustical sealants, angles, clips, hangers, trim, miscellaneous accessories, joint compound, gypsum ceiling metal control joints, wire, ties, corner beads, zip beads, spot grout, where required, fasteners, felt, sealant, and all other materials required to complete all fire rated and non-fire rated gypsum ceilings, walls, shaft wall assemblies, soffits, and associated light gauge metal framing work, including drywall/metal stud partitions, drywall/metal stud soffits, special drywall/metal stud

bulkheads and ceiling systems, etc. as designated within the Contract Documents.

- 9.0.2 Coordinate stud locations with layout required for Others installing materials that will attach to stud framing.
- 9.0.3 Drywall & Framing Subcontractor shall provide rough openings, if required, within an applicable new drywall/metal stud wall / soffit condition to receive work of other trade subcontractors
- 9.0.4 Drywall & Framing Subcontractor shall be responsible for providing the fire wall stenciling of all fire rated or smoke rated masonry/drywall walls, etc. as required by the Contract Documents or Building Code.
- 9.0.5 Provide all reveals, troughs, coffers, reliefs, angles, radius and details as shown or reasonably inferable on the Contract Documents.
- 9.0.6 This Subcontractor shall provide the specified level of GWB finishes.
- ~~9.0.7 Sanitary Wall Finish (FRP) — This Subcontractor shall furnish and install a sanitary wall finish at all locations shown within the Contract Documents.~~
- 9.0.8 Construct all partitions and ceilings within the tolerances specified in the Contract Documents. Drywall & Framing Subcontractor shall be responsible for all remedial work associated with work out of tolerances including, but not limited to, caulking, shimming, filling, skimming, or replacement of work provided as part of this subcontractor or work provided by others.
- 9.0.9 Provide proper ventilation during and following joint treatment applications.
- 9.0.10 Engineering and layout from control lines shall be by Drywall & Framing Subcontractor.
- 9.0.11 Drywall & Framing Subcontractor shall provide all trapezes, hangers, seismic support if required, and additional framing necessary to support this trade's work.
- 9.0.12 Control and/or expansion joint systems to be provided in walls and ceilings in accordance with USG recommendations or as specifically noted in the Contract Documents.
- 9.0.13 This Subcontractor shall provide all reveals, accessories, trim and miscellaneous components within the components in this scope and those required to make a smooth transition to adjoining dissimilar materials by others.
- 9.0.14 This Subcontractor shall utilize the latest edition of the U.S. Gypsum Company handbook for installation of gypsum board materials, except where it is found to be in conflict with the Contract Documents or any governing inspection agency. In this case, the Subcontractor

will advise Contractor to obtain a ruling from the Architect on the method of construction to be used.

- 9.0.15 This Subcontractor shall check for compliance (plumb, square, proper alignment, etc.) at each stage of completion (framing, hanging, finishing). Any work that is not within specified tolerances 1/8" in 10' shall be removed and replaced. All interior and exterior studs to be secured to floor and ceiling runners, both sides and top and bottom, prior to drywall installation unless specified otherwise. Under no circumstances are studs to be left loose prior to hanging drywall.
- 9.0.16 This Subcontractor shall verify code space requirements prior to framing walls (i.e. 5'-0" turnarounds, 8'-0" corridors, 12"/18" Push/Pull at doors, etc.) Sweep all tracks and shafts clean prior to hanging board. The Contractor shall sign-off on completion of in-wall prior to any wall being two-sided with drywall.
- 9.0.17 This Subcontractor shall provide holes, cutouts, framing, prep work, etc. as required for any penetrations that require framing for installation of others work (i.e., electrical work, mechanical work, miscellaneous specialties, equipment, etc.). Cut drywall neatly to fit around all boxes or penetrations. This Subcontractor shall be responsible for maintaining all U.L. ratings, STC ratings, sound seals, etc. Sealing around penetrations necessary to maintain the integrity of smoke, sound, and fire-rated are by others.
- 9.0.18 This subcontractor shall provide an allowance of 100 carpenter hours to be used at the CM's discretion. Any unused funds will be returned to the CM in the form of a deduct change order.
- 9.0.19 This Subcontractor understands that MEP Subcontractors will attempt to layout required penetrations prior to wall framing. However, if for any reason, all layout cannot be provided prior to framing, this Subcontractor is still responsible for framing penetrations as required.

## **17.0 SCOPE OF WORK CLARIFICATIONS AND/OR OTHER REQUIREMENTS**

- 17.0.1 The intent of this section is to clarify the assignment of the Trade Work, and not to alter or change the specifications and design requirements.
- 17.0.2 All correspondence and/or communication must be directed through General Contractor. All construction directives must come through General Contractor. Do NOT contact the Owner, Owner Consultant, or Architect directly without the consent of General Contractor.
- 17.0.3 The scope items listed in this Exhibit are to be used only as a guide and in no way limits the Scope of Work to those items listed.
- 17.0.4 It is recognized and understood that this Subcontractor was selected for their expertise and knowledge of this specialized work, and it is expected that the subcontractor did and

has included in their scope of work all items and quality control required to carry out the intent of the Contract Documents to completion.

- 17.0.5 This Subcontractor shall provide, but not limited to the following items which may or may not be clearly defined in the Contract Documents as being within the Scope of Work of this Subcontract Agreement: standards, certifications, testing, cleaning, inspecting, field quality control, close-out procedures, labels, field measurements and verifications, coordination with other trades, shop drawings and submittals, as-built drawings (PDF set), operating and maintenance instruction manuals, etc.
- 17.0.6 Each Subcontractor is responsible for inspecting the work that precedes its work and reporting any deficiencies which will affect its work to the Contractor prior to commencing with the new work. Once the new work has been installed over preceding work, the Contractor shall consider this action as the Subcontractor installing the new work as acceptance of all preceding work.
- 17.0.7 In cases where Division One Specifications contain conflicting information with Documents made a part of this Subcontract, the provisions, terms, conditions, etc. the more stringent shall take precedence.
- 17.0.8 Subcontractor shall be responsible for all freight, delivery, equipment, loading, unloading, rigging, and hoisting, as required to perform this Work. All costs associated with delivery of materials and equipment to perform the Scope of Work is included.
- 17.0.9 Extra Materials – This work shall include providing extra materials (attic stock) as specified.
- 17.0.10 Multiple mobilizations will be required for the completion of this Scope of Work. No additional compensation will be provided for multiple mobilization requirements. Samet will make every effort to limit the number of mobilizations. Roof installation will be based upon the construction schedule.
- 17.0.11 This Subcontractor shall NOT include the cost for their Payment and Performance Bonds in their bid amount, however if requested by the General Contractor, this Subcontractor shall provide a Performance and Payment Bond at Cost if awarded the Subcontract.
- 17.0.12 It is understood there may be utilities (new or existing), equipment, or other trades potentially in the way during operations performed by this Subcontractor. This Subcontractor agrees to coordinate as necessary to work around all obstacles to meet the requirements of the schedule.
- 17.0.13 The project site shall be open for subcontractor work from 7:00am-5:00pm, Monday-Friday, unless otherwise directed by the Construction Manager. The site will be open on Saturdays and Sundays for make-up days only on a pre-approved basis. No work, deliveries, pickups, or subcontractor presence shall be allowed outside of normal site

hours without prior approval from the Construction Management Team. Note that the availability of Samet supervisory coverage may impact this approval process.

- 17.0.14 This Subcontractor will be responsible for all required cleanup of their excess materials and equipment on a daily basis. This Subcontractor is also responsible for protection of its work. All cost associated with this required cleanup and protection is to be included in their base proposal including but not limited to weather protection for all roofing work as needed to maintain the requirements of the Contract Documents.
- 17.0.15 While completing this Subcontractors Scope of Work, this Subcontractor is responsible for daily cleanup of their materials. All trash and debris generated by this Subcontractor should be disposed of in the provided onsite dumpster.
- 17.0.16 This Subcontractor shall submit a site-specific safety plan before beginning work. A template will be provided by the Construction Manager at the pre-install meeting.
- 17.0.17 This Subcontractor shall submit SDS forms before beginning work.
- 17.0.18 This Subcontractor shall submit a QA/QC plan before beginning work. A template will be provided by the Construction Manager at the pre-install meeting.
- 17.0.19 All workers under this Subcontract shall attend a Samet Site Orientation meeting on their first day on this project BEFORE beginning work. New workers should report to Samet staff upon arrival to the site.
- 17.0.20 This Subcontractor shall complete all Samet required safety and job reports DAILY by 9am. Electronic and hard copies of all needed forms will be supplied to this Subcontractor at the Pre-Install meeting. Forms will include a Daily Report and a Pre-Task Plan at a minimum with other safety forms submitted as required by daily activities.
- 17.0.21 This Subcontractor shall reference scope clarification drawings included in the trade scope manual for specific directions on additions and deletions regarding this Scope of Work.
- 17.0.22 Labor and material prices are guaranteed through the duration of the project. Escalation costs are prohibited. The contract price shall not be increased for any coordination work related to conflict resolution, miscellaneous or incidental items required for the work to meet the intent of the Owner, architect's and engineer's design, the Contract Documents, plans, or specifications.
- 17.0.23 Maintenance of controlled access zones and fall protection as required by OSHA, for the safety of the Subcontractor's employees or others during the Work is included. This Subcontractor to provide any barricades, caution tape, spotters, and/or safety equipment necessary to protect the public, employees, and the property.

- 17.0.24 Subcontractor shall have a qualified foreman and/or superintendent onsite at all times during the performance of the Work and be capable of directing crews. This individual must be fluent in written and spoken English and be reasonably acceptable to the Contractor as a supervisor. The Subcontractor's onsite foreman and/or superintendent shall always be equipped with a cellular telephone during working hours and provide the Contractor with Emergency Contact Information for non-working hours.
- 17.0.25 Subcontractor shall be responsible to coordinate and work with each other to eliminate conflicts during the installation of the Work. No change orders will be accepted by the Contractor for relocation and/or replacement of the Work due to the Subcontractor's lack of coordination in performing their respective scopes of work.
- 17.0.26 Manufactured items shall be installed in strict accordance with the manufacturer's printed directions, specifications and/or recommendations for installation of highest quality. All working parts shall be properly adjusted after installation and left in new working order.
- 17.0.27 Temporary electricity supplied by the Electrical Contractor will include minimal wattage single phase for small electric hand tools and basic construction temporary lighting only in accordance with OSHA guidelines. Any specific power requirements for welding, task lighting or other operations are to be provided by this Subcontractor.
- 17.0.28 If temporary "task" lighting is required to complete the Subcontractor's work, then the Trade Subcontractor requiring the temporary "task" lighting in order to complete its work shall provide its own temporary lighting at its own expense.
- 17.0.29 All stored materials must be protected from moisture, temperature, weather elements, theft, and vandalism, and stored at locations as not to interfere with the performance of other subcontractors. Any damages or theft resulting from the storing of materials are the responsibility of the Subcontractor. Re-handling of onsite materials that interfere with the work of other subcontractors shall be at no cost to the Contractor.
- 17.0.30 Each Subcontractor will remove all excess materials from the site at the time work has been completed. Failure to do so the General Contractor will give the Subcontractor a 24-hour notice at the end of this 24 hours the General Contractor will make arrangements to have the material removed. This work and the supervision of this work will be at the cost of this Subcontractor.
- 17.0.31 Subcontractor shall be responsible for cold and hot weather protection as required to perform the Work so not to delay the Project Construction Schedule.
- 17.0.32 Each Trade Subcontractor shall be responsible for notifying the City Inspectors and/or County Inspectors and/or State Inspectors when their services or inspections are required. Expedite notification to insure proper lead-time. The Trade Subcontractor shall notify the General Contractor in writing twenty-four (24) hours prior to any inspection.

17.0.33 This Subcontractor is responsible for all Contract Documents for this project. No allowance will be made for lack of knowledge of other subcontractor's work or existing conditions required in connection with HVAC, plumbing, electrical and other Subcontractors, including Owner furnished equipment.

17.0.34 Subcontractors entitlement to additional overhead and profit as a result of such changes, if any, shall not exceed a combined total of fifteen percent (15%) of the value of the Work to be self-performed.

**—OTHER SCHEDULE SUMMARY INFORMATION—**

The Substantial Completion date for the Drywall, Metal Framing, & Insulation Subcontractor is as reflected within the Construction Schedule. Special attention should be directed to the Construction Schedule for project sequencing requirements which are a requirement of this Scope of Work. Reference Schedule Milestone Table extracted from the Project Schedule below for other specifics related to this Scope of Work.

SCHEDULE MILESTONE TABLE		
ACTIVITY NO.	ACTIVITY DESCRIPTION	COMPLETION DATE OR DURATION
A8660	Cold Form Metal Framing	5 Days
A8700	Interior Framing	5 days
A8720	Drywall	5 Days
PC1040	Final Approval - C of O	8/24/2026

**—UNIT PRICES—**

To the extent that some or all of the Subcontractor's Work is to be performed on a unit price basis, the Subcontract Amount shall be computed in accordance with the unit prices set forth below. Unit prices are deemed to include all costs related to Subcontractor's performance of the Work, including, but not limited to, costs of labor, supervision, services, materials, equipment, tools, scaffolds, hoisting, transportation, storage, insurance, and taxes, and all overhead and profit. Quantities shall be measured by means acceptable to Owner, General Contractor and Subcontractor, and if applicable, an independent testing firm hired by Owner.

UNIT PRICES			
UNIT NO.	UNIT PRICE DESCRIPTION	UNIT PRICE	UNIT MEASURE
L1	Laborer Rate		Hour
L2	Carpenter Rate		Hour
L3	Foreman Rate		Hour



—ALTERNATES—

Each alternate designated below has been separated into the following three categories:

- “Accepted” – Alternate was accepted by General Contractor and the dollar value for the alternate is included within the Subcontractor Amount.
- “Pending” – Alternate is pending award by General Contractor with the decision being deferred until the date defined within each applicable Alternate. This cost is NOT included in the Subcontractor Amount.
- “Declined” – Alternate was NOT accepted by General Contractor and the dollar value for the alternate is NOT included within the Subcontractor Amount. By declining the alternate, all requirements applicable thereof are deleted from the contract documents.

ALTERNATES			
ALTERNATE NO.	ALTERNATE DESCRIPTION	VALUE	STATUS
P1	Payment and Performance Bond		Pending

If requested, the cost of the Performance and Payment Bonds (amount as provided) will be reimbursed to the Subcontractor based on the following revised contract revision noted below:

Subcontractor shall provide Performance and Payment Bonds, if required, each with a penal amount equal to 100% of the Subcontract Amount, on forms acceptable to the General Contractor. The premium for these bonds shall be paid by Subcontractor and the cost thereof shall be invoiced separately to the General Contractor based on the Subcontractor providing an actual paid receipt from its surety agent. The value of the Performance and Payment bond in all cases shall not be more than the Subcontractor’s bid alternate amount submitted for these bonds. If the bond(s) value is more than the bid amount submitted for these bonds, the Subcontractor shall pay the difference to its surety agent at its cost.

**END OF SECTION**

**TRADE PACKAGE SCOPE OF WORK:**

**09A DRYWALL, METAL FRAMING, & INSULATION SUBCONTRACT**



## **TRADE PACKAGE SCOPE OF WORK**

### **09K EPOXY FLOORING SUBCONTRACT**

Furnish all labor, materials, tools, taxes, safety, insurances, equipment, hoisting, cranes, supervision, and all other incidentals necessary to accomplish all **BP-09KEpoxy Flooring** Work in accordance with all Contract Documents and as defined within **Trade Package General Scope Requirements** and this Scope of Work.

**Subcontractors/Suppliers performing work on multiple portions of the project site (i.e., buildings, parking area, site, etc.) shall provide separate equipment, hoisting, cranes, supervision including, but not limited to management, superintendent, foreman, tradesman, laborers, etc. for each portion unless agreed to otherwise in writing by the General Contractor. If the project needs and schedule are not being met to the satisfaction of the General Contractor, written approval will be rescinded, and the original staffing requirements shall be provided by the Subcontractor.**

Project Specifications for the Epoxy Flooring Scope of Work are listed below. This Subcontractor or Supplier shall carefully examine all specification sections and drawings within the Contract Documents and be responsible for all work described within this Scope of Work and as required on the project.

### **PROJECT SPECIFICATIONS**

This Subcontractor is responsible for all Division 1 - General Requirements as listed below prepared by the Architect, Design Consultants, and/or General Contractor or as designated elsewhere within the Technical Specifications or Drawings as applicable to this Trade Package Scope of Work.

<b>DIVISION 1 – GENERAL REQUIREMENTS</b>	
<b>GC Req.</b>	<b>General Requirements Manual</b>
<b>GC Req.</b>	<b>Trade Package Scope Manual</b>
<b>GC Req.</b>	<b>Trade Package General Scope Requirements</b>

### **Primary Responsibility**

**This Subcontractor is responsible for all Primary Specification Responsibilities listed below unless this Scope of Work specifically states otherwise.**

<b>PRIMARY TECHNICAL SPECIFICATION RESPONSIBILITIES (PROJECT MANUAL)</b>	
	<b>Specifications are included on the Drawings</b>
092900	Resinous Flooring
099659	Fiberglass Mat Reinforced Wall Coating

### **Secondary Responsibility**

**This Subcontractor is responsible for all Secondary Specification Responsibilities listed below to the extent applicable, or defined, within this Scope of Work.**

SECONDARY TECHNICAL SPECIFICATION RESPONSIBILITIES	
	<b>Specifications are included on the Drawings</b>
033000	Cast-In-Place Concrete

### **Primary Responsibility**

**This Subcontractor is responsible for all Primary Specification Responsibilities listed below unless this Scope of Work specifically states otherwise.**

PRIMARY TECHNICAL SPECIFICATION RESPONSIBILITIES (DRAWINGS)		
DRAWING NO.	DRAWING NAME	SPECIFIC ITEM
BID DOCUMENTS	ALL DRAWINGS	This Subcontractor shall furnish and install a complete turnkey of Work for <b>BP-09K-Epoxy</b> , per the Contract Documents to include, but not limited to: including all accessories and incidentals for a complete job with no exceptions.  This Subcontractor shall coordinate with other trades as applicable to complete this Scope of Work including
All	All	Subcontractor owns all drawings and notes as it relates to the Epoxy scope. The items listed below are intended to add clarification. Notes or drawings not included below does not alleviate the subcontractor from ownership.
All	Notes, General Notes, Key Notes, and specifications	All Epoxy notes/specs and items as it relates to Epoxy Flooring and items to be coordinated with other trades.

The Epoxy Flooring Subcontractor shall be responsible for complying with the requirements of each Scope of Work Description / Clarification Section listed below, **even if** those requirements are not shown within the Specification Sections listed above.

This Subcontractor shall be responsible for all Primary Specification Responsibilities identified above in their entirety. All costs associated with Primary Specification Responsibilities shall be included in this Subcontractor's Scope of Work and reflected in bid amount.

This Subcontractor shall be at least partially responsible for Secondary Specification Responsibilities identified above. The Secondary Specifications identify work scopes for which this Subcontractor is not wholly responsible but shall be applicable as it relates to the execution of Primary Specification Responsibilities. This may include a varying degree of responsibility from simple coordination to performing

entire portions of work. The Secondary Specifications are not intended to be all inclusive and shall not limit the Subcontractor in any way with regards to installation of work identified in Primary Specification Responsibilities.

The Epoxy Flooring Subcontractor is responsible for all Work described herein and below unless specifically noted otherwise.

## **9.0 FINISHES SCOPE OF WORK DESCRIPTION**

- 9.0.1 The Epoxy Flooring Subcontractor is to provide all materials and labor required for a complete system. This scope shall include all material coats in thicknesses required in accordance with the project specifications or manufacturer's installation instructions, whichever is most stringent.
- 9.0.2 This Subcontractor shall coordinate with adjacent finishes, materials, surfaces, etc., and provide/install all required transition materials. Provide integral cove material where resinous materials are indicated to be utilized as base or wall covering material.
- 9.0.3 This Subcontractor shall be responsible for all testing, inspecting, and verifying of concrete slab and/or walls as it relates to the installation of this scope of work. Any deficiencies impeding the completion of this scope of work shall be communicated to the Contractor prior to commencing this scope of work.
- 9.0.4 This Subcontractor shall protect all surrounding finishes and finished furnishings during the installation of this Scope of Work. Upon completion, this Subcontractor shall remove and dispose of all protection.
- 9.0.5 This Subcontractor shall install signage and delineate work area during their installation and upon completion. Signage shall include date/time the area has been cured and is open to construction traffic.
- 9.0.6 This Subcontractor is responsible for ensuring that all work is installed to or around all surrounding surfaces and fixtures in a manner that terminations and cut-ins are not exposed or visible.
- 9.0.7 This Subcontractor shall ensure that all work is uniform in color and texture and overall installation so that it leaves no voids, laps, irregularities, or apparent strokes.
- 9.0.8 Furnish and install fiberglass mat reinforced wall coating at bathroom structure.

## **17.0 SCOPE OF WORK CLARIFICATIONS AND/OR OTHER REQUIREMENTS**

- 17.0.1 The intent of this section is to clarify the assignment of the Trade Work, and not to alter or change the specifications and design requirements.

- 17.0.2 All correspondence and/or communication must be directed through General Contractor. All construction directives must come through General Contractor. Do NOT contact the Owner, Owner Consultant, or Architect directly without the consent of General Contractor.
- 17.0.3 The scope items listed in this Exhibit are to be used only as a guide and in no way limits the Scope of Work to those items listed.
- 17.0.4 It is recognized and understood that this Subcontractor was selected for their expertise and knowledge of this specialized work, and it is expected that the subcontractor did and has included in their scope of work all items and quality control required to carry out the intent of the Contract Documents to completion.
- 17.0.5 This Subcontractor shall provide, but not limited to the following items which may or may not be clearly defined in the Contract Documents as being within the Scope of Work of this Subcontract Agreement: standards, certifications, testing, cleaning, inspecting, field quality control, close-out procedures, labels, field measurements and verifications, coordination with other trades, shop drawings and submittals, as-built drawings (PDF set), operating and maintenance instruction manuals, etc.
- 17.0.6 Each Subcontractor is responsible for inspecting the work that precedes its work and reporting any deficiencies which will affect its work to the Contractor prior to commencing with the new work. Once the new work has been installed over preceding work, the Contractor shall consider this action as the Subcontractor installing the new work as acceptance of all preceding work.
- 17.0.7 In cases where Division One Specifications contain conflicting information with Documents made a part of this Subcontract, the provisions, terms, conditions, etc. the more stringent shall take precedence.
- 17.0.8 Subcontractor shall be responsible for all freight, delivery, equipment, loading, unloading, rigging, and hoisting, as required to perform this Work. All costs associated with delivery of materials and equipment to perform the Scope of Work is included.
- 17.0.9 Extra Materials – This work shall include providing extra materials (attic stock) as specified.
- 17.0.10 Multiple mobilizations will be required for the completion of this Scope of Work. No additional compensation will be provided for multiple mobilization requirements. Samet will make every effort to limit the number of mobilizations. Roof installation will be based upon the construction schedule.
- 17.0.11 This Subcontractor shall NOT include the cost for their Payment and Performance Bonds in their bid amount, however if requested by the General Contractor, this Subcontractor shall provide a Performance and Payment Bond at Cost if awarded the Subcontract.

- 17.0.12 It is understood there may be utilities (new or existing), equipment, or other trades potentially in the way during operations performed by this Subcontractor. This Subcontractor agrees to coordinate as necessary to work around all obstacles to meet the requirements of the schedule.
- 17.0.13 The project site shall be open for subcontractor work from 7:00am-5:00pm, Monday-Friday, unless otherwise directed by the Construction Manager. The site will be open on Saturdays and Sundays for make-up days only on a pre-approved basis. No work, deliveries, pickups, or subcontractor presence shall be allowed outside of normal site hours without prior approval from the Construction Management Team. Note that the availability of Samet supervisory coverage may impact this approval process.
- 17.0.14 This Subcontractor will be responsible for all required cleanup of their excess materials and equipment on a daily basis. This Subcontractor is also responsible for protection of its work. All cost associated with this required cleanup and protection is to be included in their base proposal including but not limited to weather protection for all roofing work as needed to maintain the requirements of the Contract Documents.
- 17.0.15 While completing this Subcontractors Scope of Work, this Subcontractor is responsible for daily cleanup of their materials. All trash and debris generated by this Subcontractor should be disposed of in the provided onsite dumpster.
- 17.0.16 This Subcontractor shall submit a site-specific safety plan before beginning work. A template will be provided by the Construction Manager at the pre-install meeting.
- 17.0.17 This Subcontractor shall submit SDS forms before beginning work.
- 17.0.18 This Subcontractor shall submit a QA/QC plan before beginning work. A template will be provided by the Construction Manager at the pre-install meeting.
- 17.0.19 All workers under this Subcontract shall attend a Samet Site Orientation meeting on their first day on this project BEFORE beginning work. New workers should report to Samet staff upon arrival to the site.
- 17.0.20 This Subcontractor shall complete all Samet required safety and job reports DAILY by 9am. Electronic and hard copies of all needed forms will be supplied to this Subcontractor at the Pre-Install meeting. Forms will include a Daily Report and a Pre-Task Plan at a minimum with other safety forms submitted as required by daily activities.
- 17.0.21 This Subcontractor shall reference scope clarification drawings included in the trade scope manual for specific directions on additions and deletions regarding this Scope of Work.
- 17.0.22 Labor and material prices are guaranteed through the duration of the project. Escalation



costs are prohibited. The contract price shall not be increased for any coordination work related to conflict resolution, miscellaneous or incidental items required for the work to meet the intent of the Owner, architect's and engineer's design, the Contract Documents, plans, or specifications.

- 17.0.23 Maintenance of controlled access zones and fall protection as required by OSHA, for the safety of the Subcontractor's employees or others during the Work is included. This Subcontractor to provide any barricades, caution tape, spotters, and/or safety equipment necessary to protect the public, employees, and the property.
- 17.0.24 Subcontractor shall have a qualified foreman and/or superintendent onsite at all times during the performance of the Work and be capable of directing crews. This individual must be fluent in written and spoken English and be reasonably acceptable to the Contractor as a supervisor. The Subcontractor's onsite foreman and/or superintendent shall always be equipped with a cellular telephone during working hours and provide the Contractor with Emergency Contact Information for non-working hours.
- 17.0.25 Subcontractor shall be responsible to coordinate and work with each other to eliminate conflicts during the installation of the Work. No change orders will be accepted by the Contractor for relocation and/or replacement of the Work due to the Subcontractor's lack of coordination in performing their respective scopes of work.
- 17.0.26 Manufactured items shall be installed in strict accordance with the manufacturer's printed directions, specifications and/or recommendations for installation of highest quality. All working parts shall be properly adjusted after installation and left in new working order.
- 17.0.27 Temporary electricity supplied by the Electrical Contractor will include minimal wattage single phase for small electric hand tools and basic construction temporary lighting only in accordance with OSHA guidelines. Any specific power requirements for welding, task lighting or other operations are to be provided by this Subcontractor.
- 17.0.28 If temporary "task" lighting is required to complete the Subcontractor's work, then the Trade Subcontractor requiring the temporary "task" lighting in order to complete its work shall provide its own temporary lighting at its own expense.
- 17.0.29 All stored materials must be protected from moisture, temperature, weather elements, theft, and vandalism, and stored at locations as not to interfere with the performance of other subcontractors. Any damages or theft resulting from the storing of materials are the responsibility of the Subcontractor. Re-handling of onsite materials that interfere with the work of other subcontractors shall be at no cost to the Contractor.
- 17.0.30 Each Subcontractor will remove all excess materials from the site at the time work has been completed. Failure to do so the General Contractor will give the Subcontractor a 24-hour notice at the end of this 24 hours the General Contractor will make arrangements to have

the material removed. This work and the supervision of this work will be at the cost of this Subcontractor.

17.0.31 Subcontractor shall be responsible for cold and hot weather protection as required to perform the Work so not to delay the Project Construction Schedule.

17.0.32 Each Trade Subcontractor shall be responsible for notifying the City Inspectors and/or County Inspectors and/or State Inspectors when their services or inspections are required. Expedite notification to insure proper lead-time. The Trade Subcontractor shall notify the General Contractor in writing twenty-four (24) hours prior to any inspection.

17.0.33 This Subcontractor is responsible for all Contract Documents for this project. No allowance will be made for lack of knowledge of other subcontractor's work or existing conditions required in connection with HVAC, plumbing, electrical and other Subcontractors, including Owner furnished equipment.

17.0.34 Subcontractors entitlement to additional overhead and profit as a result of such changes, if any, shall not exceed a combined total of fifteen percent (15%) of the value of the Work to be self-performed.

#### —OTHER SCHEDULE SUMMARY INFORMATION—

The Substantial Completion date for the Epoxy Flooring Subcontractor is as reflected within the Construction Schedule. Special attention should be directed to the Construction Schedule for project sequencing requirements which are a requirement of this Scope of Work. Reference Schedule Milestone Table extracted from the Project Schedule below for other specifics related to this Scope of Work.

SCHEDULE MILESTONE TABLE		
ACTIVITY NO.	ACTIVITY DESCRIPTION	COMPLETION DATE OR DURATION
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#### —ALLOWANCES—

Allowances shall cover the cost of all materials and equipment delivered at the site and all required taxes, less applicable trade discounts. Costs for unloading and handling at the site, labor, installation costs, overhead, profit and other expenses associated with stated allowance amounts shall be included in the Subcontract Amount but not in the allowances. Whenever costs are more than or less than an allowance amount, the Subcontract Amount shall be adjusted accordingly by Change Order. The amount of the Change Order shall reflect the difference between actual costs and the allowances.

ALLOWANCES		
ALLOWANCE NO.	ALLOWANCE DESCRIPTION	AMOUNT



—UNIT PRICES—

To the extent that some or all of the Subcontractor's Work is to be performed on a unit price basis, the Subcontract Amount shall be computed in accordance with the unit prices set forth below. Unit prices are deemed to include all costs related to Subcontractor's performance of the Work, including, but not limited to, costs of labor, supervision, services, materials, equipment, tools, scaffolds, hoisting, transportation, storage, insurance, and taxes, and all overhead and profit. Quantities shall be measured by means acceptable to Owner, General Contractor and Subcontractor, and if applicable, an independent testing firm hired by Owner.

UNIT PRICES			
UNIT NO.	UNIT PRICE DESCRIPTION	UNIT PRICE	UNIT MEASURE
L1	Laborer Rate		Hour
L2	Foreman		Hour

—ALTERNATES—

Each alternate designated below has been separated into the following three categories:

- "Accepted" – Alternate was accepted by General Contractor and the dollar value for the alternate is included within the Subcontractor Amount.
- "Pending" – Alternate is pending award by General Contractor with the decision being deferred until the date defined within each applicable Alternate. This cost is NOT included in the Subcontractor Amount.
  - "Declined" – Alternate was NOT accepted by General Contractor and the dollar value for the alternate is NOT included within the Subcontractor Amount. By declining the alternate, all requirements applicable thereof are deleted from the contract documents.

ALTERNATES			
ALTERNATE NO.	ALTERNATE DESCRIPTION	VALUE	STATUS
P1	Payment and Performance Bond		Pending

If requested, the cost of the Performance and Payment Bonds (amount as provided) will be reimbursed to the Subcontractor based on the following revised contract revision noted below:

Subcontractor shall provide Performance and Payment Bonds, if required, each with a penal amount equal to 100% of the Subcontract Amount, on forms acceptable to the General Contractor. The premium for these bonds shall be paid by Subcontractor and the cost thereof shall be invoiced separately to the General Contractor based on the Subcontractor providing an actual paid receipt from its surety agent. The value of the Performance and Payment bond in all cases shall not be more than the Subcontractor's bid alternate amount submitted for these bonds. If the bond(s) value is more than the bid amount submitted for these bonds, the Subcontractor shall pay the difference to its surety agent at its cost.

END OF SECTION

TRADE PACKAGE SCOPE OF WORK:  
09K EPOXY FLOORING SUBCONTRACT

## **TRADE PACKAGE SCOPE OF WORK**

### **09B PAINTING & COATINGS SUBCONTRACT**

Furnish all labor, materials, tools, taxes, safety, insurances, equipment, hoisting, cranes, supervision, and all other incidentals necessary to accomplish all **Painting & Coatings** Work in accordance with all Contract Documents and as defined within **Trade Package General Scope Requirements** and this Scope of Work.

**Subcontractors/Suppliers performing work on multiple portions of the project site (i.e., buildings, parking area, site, etc.) shall provide separate equipment, hoisting, cranes, supervision including, but not limited to management, superintendent, foreman, tradesman, laborers, etc. for each portion unless agreed to otherwise in writing by the General Contractor. If the project needs and schedule are not being met to the satisfaction of the General Contractor, written approval will be rescinded, and the original staffing requirements shall be provided by the Subcontractor.**

Project Specifications for the Painting & Coatings Scope of Work are listed below. This Subcontractor or Supplier shall carefully examine all specification sections and drawings within the Contract Documents and be responsible for all work described within this Scope of Work and as required on the project.

### **PROJECT SPECIFICATIONS**

This Subcontractor is responsible for all Division 1 - General Requirements as listed below prepared by the Architect, Design Consultants, and/or General Contractor or as designated elsewhere within the Technical Specifications or Drawings as applicable to this Trade Package Scope of Work.

<b>DIVISION 1 – GENERAL REQUIREMENTS</b>	
<b>GC Req.</b>	<b>General Requirements Manual</b>
<b>GC Req.</b>	<b>Trade Package Scope Manual</b>
<b>GC Req.</b>	<b>Trade Package General Scope Requirements</b>

### **Primary Responsibility**

**This Subcontractor is responsible for all Primary Specification Responsibilities listed below unless this Scope of Work specifically states otherwise.**

<b>PRIMARY TECHNICAL SPECIFICATION RESPONSIBILITIES (PROJECT MANUAL)</b>	
	<b>Specifications are included on the Drawings</b>
099113	Exterior Painting
099123	Interior Painting
099600	High-Performance Coatings



### **Secondary Responsibility**

This Subcontractor is responsible for all Secondary Specification Responsibilities listed below to the extent applicable, or defined, within this Scope of Work.

SECONDARY TECHNICAL SPECIFICATION RESPONSIBILITIES	
	Specifications are included on the Drawings
042000	Unit Masonry
051200	Structural Steel Framing
079200	Joint Sealants
081113	Hollow Metal Doors and Frames
092900	Gypsum Board
210553	Fire Suppression Painting and Identification
220553	Plumbing Painting and Identification
230553	HVAC Painting and Identification

### **Primary Responsibility**

This Subcontractor is responsible for all Primary Specification Responsibilities listed below unless this Scope of Work specifically states otherwise.

PRIMARY TECHNICAL SPECIFICATION RESPONSIBILITIES (DRAWINGS)		
DRAWING NO.	DRAWING NAME	SPECIFIC ITEM
BID DOCUMENTS	ALL DRAWINGS	This Subcontractor shall furnish and install a complete turnkey of Work for <b>BP-09B-PAINTING</b> , per the Contract Documents to include, but not limited to: including all accessories and incidentals for a complete job with no exceptions.  This Subcontractor shall coordinate with other trades as applicable to complete this Scope of Work including
All	All	Subcontractor owns all drawings and notes as it relates to the Painting scope. The items listed below are intended to add clarification. Notes or drawings not included below does not alleviate the subcontractor from ownership.
All	Notes, General Notes, Key Notes, and specifications	All concrete notes/specs and items as it relates to Painting joint sealants and items to be coordinated with other trades.

### **Secondary Responsibility**

This Subcontractor is responsible for all Secondary Specification Responsibilities listed below to the extent applicable, or defined, within this Scope of Work.

SECONDARY TECHNICAL SPECIFICATION RESPONSIBILITIES (DRAWINGS)		
DRAWING NO.	DRAWING NAME	SPECIFIC ITEM



The Painting & Coatings Subcontractor shall be responsible for complying with the requirements of each Scope of Work Description / Clarification Section listed below, **even if** those requirements are not shown within the Specification Sections listed above.

This Subcontractor shall be responsible for all Primary Specification Responsibilities identified above in their entirety. All costs associated with Primary Specification Responsibilities shall be included in this Subcontractor's Scope of Work and reflected in bid amount.

This Subcontractor shall be at least partially responsible for Secondary Specification Responsibilities identified above. The Secondary Specifications identify work scopes for which this Subcontractor is not wholly responsible but shall be applicable as it relates to the execution of Primary Specification Responsibilities. This may include a varying degree of responsibility from simple coordination to performing entire portions of work. The Secondary Specifications are not intended to be all inclusive and shall not limit the Subcontractor in any way with regards to installation of work identified in Primary Specification Responsibilities.

The Painting & Coatings Subcontractor is responsible for all Work described herein and below unless specifically noted otherwise.

## **9.0 FINISHES SCOPE OF WORK DESCRIPTION**

- 9.0.1 Provide all labor, materials, equipment and services necessary to complete all interior and exterior painting work in accordance with the plans and specifications to provide a complete system for the scope of work.
- 9.0.2 This scope shall include but is not limited to preparation and painting of the following: gypsum partitions and ceilings, wood, bulkheads, soffits, fascia, concrete walls/columns, reveals that are not scheduled to be prefinished, doors and window frames which do not have a factory finish, decorative rails, unfinished or exposed miscellaneous metal surfaces (examples supports, brackets, grilles and other shop primed miscellaneous metals, etc., exposed steel with or without fireproofing, exposed structure, piping, supports and other non-pre-finished devices in mechanical, electrical, telecom, and other utility areas, etc.).
- 9.0.3 This Subcontractor shall notify General Contractor if substrate does not meet standards for a fully functional coating system prior to install. Subcontractor to coordinate with Samet and other subcontractors for installation of painting and wall covering items.
- 9.0.4 Provide painting of all exposed and covered fire suppression, plumbing, HVAC, electrical, communication, security work and other work and equipment including

but not limited to pipe, conduit, hangers, exposed steel, iron work, primed metal surfaces, etc. as required by the contract documents including Mechanical, Plumbing, and Electrical specifications and/or local authorities.

- 9.0.5 Interior wall, door painting and frame painting process shall be broken into two stages. Primer and first coat of paint to be applied at one stage and final coat of paint to be applied after all equipment, fixtures, ceiling, flooring, doors and hardware are installed. Painter shall protect all areas and items from paint.
- 9.0.6 Provide cosmetic caulking of all gaps in finish materials prior to applications at final coat of paint, including but not limited to interior hollow metal frames, access doors frames, around perimeter of ceramic wall tile and top of cove base, and gypsum to masonry material interfaces at walls and ceilings.
- 9.0.7 Provide a labor allowance of 24 hours for painting as directed by Samet. All unused hours will be credited back to Samet in the form of a deduct change order.
- 9.0.8 Paint all housekeeping pads and unfinished bollards specified color.
- 9.0.9 Provide all preparation and painting of cementitious surfaces of concrete and concrete block.
- 9.0.10 Paint fire retardant plywood backboard as required.
- 9.0.11 Paint panel rack detail 5 on E601.

## **17.0 SCOPE OF WORK CLARIFICATIONS AND/OR OTHER REQUIREMENTS**

- 17.0.1 The intent of this section is to clarify the assignment of the Trade Work, and not to alter or change the specifications and design requirements.
- 17.0.2 All correspondence and/or communication must be directed through General Contractor. All construction directives must come through General Contractor. Do NOT contact the Owner, Owner Consultant, or Architect directly without the consent of General Contractor.
- 17.0.3 The scope items listed in this Exhibit are to be used only as a guide and in no way limits the Scope of Work to those items listed.
- 17.0.4 It is recognized and understood that this Subcontractor was selected for their expertise and knowledge of this specialized work, and it is expected that the subcontractor did and has included in their scope of work all items and quality control required to carry out the intent

of the Contract Documents to completion.

- 17.0.5 This Subcontractor shall provide, but not limited to the following items which may or may not be clearly defined in the Contract Documents as being within the Scope of Work of this Subcontract Agreement: standards, certifications, testing, cleaning, inspecting, field quality control, close-out procedures, labels, field measurements and verifications, coordination with other trades, shop drawings and submittals, as-built drawings (PDF set), operating and maintenance instruction manuals, etc.
- 17.0.6 Each Subcontractor is responsible for inspecting the work that precedes its work and reporting any deficiencies which will affect its work to the Contractor prior to commencing with the new work. Once the new work has been installed over preceding work, the Contractor shall consider this action as the Subcontractor installing the new work as acceptance of all preceding work.
- 17.0.7 In cases where Division One Specifications contain conflicting information with Documents made a part of this Subcontract, the provisions, terms, conditions, etc. the more stringent shall take precedence.
- 17.0.8 Subcontractor shall be responsible for all freight, delivery, equipment, loading, unloading, rigging, and hoisting, as required to perform this Work. All costs associated with delivery of materials and equipment to perform the Scope of Work is included.
- 17.0.9 Extra Materials – This work shall include providing extra materials (attic stock) as specified.
- 17.0.10 Multiple mobilizations will be required for the completion of this Scope of Work. No additional compensation will be provided for multiple mobilization requirements. Samet will make every effort to limit the number of mobilizations. Roof installation will be based upon the construction schedule.
- 17.0.11 This Subcontractor shall NOT include the cost for their Payment and Performance Bonds in their bid amount, however if requested by the General Contractor, this Subcontractor shall provide a Performance and Payment Bond at Cost if awarded the Subcontract.
- 17.0.12 It is understood there may be utilities (new or existing), equipment, or other trades potentially in the way during operations performed by this Subcontractor. This Subcontractor agrees to coordinate as necessary to work around all obstacles to meet the requirements of the schedule.
- 17.0.13 The project site shall be open for subcontractor work from 7:00am-5:00pm, Monday-Friday, unless otherwise directed by the Construction Manager. The site will be open on Saturdays and Sundays for make-up days only on a pre-approved basis. No work, deliveries, pickups, or subcontractor presence shall be allowed outside of normal site hours without prior approval from the Construction Management Team. Note that the availability of Samet

supervisory coverage may impact this approval process.

- 17.0.14 This Subcontractor will be responsible for all required cleanup of their excess materials and equipment on a daily basis. This Subcontractor is also responsible for protection of its work. All cost associated with this required cleanup and protection is to be included in their base proposal including but not limited to weather protection for all roofing work as needed to maintain the requirements of the Contract Documents.
- 17.0.15 While completing this Subcontractors Scope of Work, this Subcontractor is responsible for daily cleanup of their materials. All trash and debris generated by this Subcontractor should be disposed of in the provided onsite dumpster.
- 17.0.16 This Subcontractor shall submit a site-specific safety plan before beginning work. A template will be provided by the Construction Manager at the pre-install meeting.
- 17.0.17 This Subcontractor shall submit SDS forms before beginning work.
- 17.0.18 This Subcontractor shall submit a QA/QC plan before beginning work. A template will be provided by the Construction Manager at the pre-install meeting.
- 17.0.19 All workers under this Subcontract shall attend a Samet Site Orientation meeting on their first day on this project BEFORE beginning work. New workers should report to Samet staff upon arrival to the site.
- 17.0.20 This Subcontractor shall complete all Samet required safety and job reports DAILY by 9am. Electronic and hard copies of all needed forms will be supplied to this Subcontractor at the Pre-Install meeting. Forms will include a Daily Report and a Pre-Task Plan at a minimum with other safety forms submitted as required by daily activities.
- 17.0.21 This Subcontractor shall reference scope clarification drawings included in the trade scope manual for specific directions on additions and deletions regarding this Scope of Work.
- 17.0.22 Labor and material prices are guaranteed through the duration of the project. Escalation costs are prohibited. The contract price shall not be increased for any coordination work related to conflict resolution, miscellaneous or incidental items required for the work to meet the intent of the Owner, architect's and engineer's design, the Contract Documents, plans, or specifications.
- 17.0.23 Maintenance of controlled access zones and fall protection as required by OSHA, for the safety of the Subcontractor's employees or others during the Work is included. This Subcontractor to provide any barricades, caution tape, spotters, and/or safety equipment necessary to protect the public, employees, and the property.
- 17.0.24 Subcontractor shall have a qualified foreman and/or superintendent onsite at all times

during the performance of the Work and be capable of directing crews. This individual must be fluent in written and spoken English and be reasonably acceptable to the Contractor as a supervisor. The Subcontractor's onsite foreman and/or superintendent shall always be equipped with a cellular telephone during working hours and provide the Contractor with Emergency Contact Information for non-working hours.

- 17.0.25 Subcontractor shall be responsible to coordinate and work with each other to eliminate conflicts during the installation of the Work. No change orders will be accepted by the Contractor for relocation and/or replacement of the Work due to the Subcontractor's lack of coordination in performing their respective scopes of work.
- 17.0.26 Manufactured items shall be installed in strict accordance with the manufacturer's printed directions, specifications and/or recommendations for installation of highest quality. All working parts shall be properly adjusted after installation and left in new working order.
- 17.0.27 Temporary electricity supplied by the Electrical Contractor will include minimal wattage single phase for small electric hand tools and basic construction temporary lighting only in accordance with OSHA guidelines. Any specific power requirements for welding, task lighting or other operations are to be provided by this Subcontractor.
- 17.0.28 If temporary "task" lighting is required to complete the Subcontractor's work, then the Trade Subcontractor requiring the temporary "task" lighting in order to complete its work shall provide its own temporary lighting at its own expense.
- 17.0.29 All stored materials must be protected from moisture, temperature, weather elements, theft, and vandalism, and stored at locations as not to interfere with the performance of other subcontractors. Any damages or theft resulting from the storing of materials are the responsibility of the Subcontractor. Re-handling of onsite materials that interfere with the work of other subcontractors shall be at no cost to the Contractor.
- 17.0.30 Each Subcontractor will remove all excess materials from the site at the time work has been completed. Failure to do so the General Contractor will give the Subcontractor a 24-hour notice at the end of this 24 hours the General Contractor will make arrangements to have the material removed. This work and the supervision of this work will be at the cost of this Subcontractor.
- 17.0.31 This Subcontractor shall be responsible for cold and hot weather protection as required to perform the Work so not to delay the Project Construction Schedule.
- 17.0.32 Each Trade Subcontractor shall be responsible for notifying the City Inspectors and/or County Inspectors and/or State Inspectors when their services or inspections are required. Expedite notification to ensure proper lead-time. The Trade Subcontractor shall notify the General Contractor in writing twenty-four (24) hours prior to any inspection.



17.0.33 This Subcontractor is responsible for all Contract Documents for this project. No allowance will be made for lack of knowledge of other subcontractors' work or existing conditions required in connection with HVAC, plumbing, electrical and other Subcontractors, including Owner furnished equipment.

17.0.34 Subcontractors entitlement to additional overhead and profit as a result of such changes, if any, shall not exceed a combined total of fifteen percent (15%) of the value of the Work to be self-performed.

**—OTHER SCHEDULE SUMMARY INFORMATION—**

The Substantial Completion date for the Painting & Coatings Subcontractor is as reflected within the Construction Schedule. Special attention should be directed to the Construction Schedule for project sequencing requirements which are a requirement of this Scope of Work. Reference Schedule Milestone Table extracted from the Project Schedule below for other specifics related to this Scope of Work.

SCHEDULE MILESTONE TABLE		
ACTIVITY NO.	ACTIVITY DESCRIPTION	COMPLETION DATE OR DURATION
PC1040	Final Approval – C of O	8/24/2026

**—ALLOWANCES—**

Allowances shall cover the cost of all materials and equipment delivered at the site and all required taxes, less applicable trade discounts. Costs for unloading and handling at the site, labor, installation costs, overhead, profit and other expenses associated with stated allowance amounts shall be included in the Subcontract Amount but not in the allowances. Whenever costs are more than or less than an allowance amount, the Subcontract Amount shall be adjusted accordingly by Change Order. The amount of the Change Order shall reflect the difference between actual costs and the allowances.

ALLOWANCES		
ALLOWANCE NO.	ALLOWANCE DESCRIPTION	AMOUNT

**—UNIT PRICES—**

To the extent that some or all of the Subcontractor's Work is to be performed on a unit price basis, the Subcontract Amount shall be computed in accordance with the unit prices set forth below. Unit prices are deemed to include all costs related to Subcontractor's performance of the Work, including, but not limited to, costs of labor, supervision, services, materials, equipment, tools, scaffolds, hoisting, transportation, storage, insurance, and taxes, and all overhead and profit. Quantities shall be measured by means acceptable to Owner, General Contractor and Subcontractor, and if applicable, an independent testing firm hired by Owner.



UNIT PRICES			
UNIT NO.	UNIT PRICE DESCRIPTION	UNIT PRICE	UNIT MEASURE
L1	Painter Rate		Hour
L2	Foreman Rate		Hour

**—ALTERNATES—**

Each alternate designated below has been separated into the following three categories:

- “Accepted” – Alternate was accepted by General Contractor and the dollar value for the alternate is included within the Subcontractor Amount.
- “Pending” – Alternate is pending award by General Contractor with the decision being deferred until the date defined within each applicable Alternate. This cost is NOT included in the Subcontractor Amount.
- “Declined” – Alternate was NOT accepted by General Contractor and the dollar value for the alternate is NOT included within the Subcontractor Amount. By declining the alternate, all requirements applicable thereof are deleted from the contract documents.

ALTERNATES			
ALTERNATE NO.	ALTERNATE DESCRIPTION	VALUE	STATUS
P1	Payment and Performance Bond		Pending

If requested, the cost of the Performance and Payment Bonds (amount as provided) will be reimbursed to the Subcontractor based on the following revised contract revision noted below:

Subcontractor shall provide Performance and Payment Bonds, if required, each with a penal amount equal to 100% of the Subcontract Amount, on forms acceptable to the General Contractor. The premium for these bonds shall be paid by Subcontractor and the cost thereof shall be invoiced separately to the General Contractor based on the Subcontractor providing an actual paid receipt from its surety agent. The value of the Performance and Payment bond in all cases shall not be more than the Subcontractor’s bid alternate amount submitted for these bonds. If the bond(s) value is more than the bid amount submitted for these bonds, the Subcontractor shall pay the difference to its surety agent at its cost.

**END OF SECTION**

**TRADE PACKAGE SCOPE OF WORK:  
09B – PAINTING & COATINGS SUBCONTRACT**



## **TRADE PACKAGE SCOPE OF WORK**

### **10A TOILET PARTITIONS, ACCESSORIES, & FIRE PROTECTIONB SPECIALTIES SUBCONTRACT**

Furnish all labor, materials, tools, taxes, safety, insurances, equipment, hoisting, cranes, supervision, and all other incidentals necessary to accomplish all **BP-10A Toilet Partitions, Accessories, and Fire Protection Specialties** Work in accordance with all Contract Documents and as defined within **Trade Package General Scope Requirements** and this Scope of Work.

Subcontractors/Suppliers performing work on multiple portions of the project site (i.e., buildings, parking area, site, etc.) shall provide separate equipment, hoisting, cranes, supervision including, but not limited to management, superintendent, foreman, tradesman, laborers, etc. for each portion unless agreed to otherwise in writing by the General Contractor. If the project needs and schedule are not being met to the satisfaction of the General Contractor, written approval will be rescinded, and the original staffing requirements shall be provided by the Subcontractor.

Project Specifications for the Toilet Partitions, Accessories, and Fire Protection Specialties Scope of Work are listed below. This Subcontractor or Supplier shall carefully examine all specification sections and drawings within the Contract Documents and be responsible for all work described within this Scope of Work and as required on the project.

### **PROJECT SPECIFICATIONS**

This Subcontractor is responsible for all Division 1 - General Requirements as listed below prepared by the Architect, Design Consultants, and/or General Contractor or as designated elsewhere within the Technical Specifications or Drawings as applicable to this Trade Package Scope of Work.

DIVISION 1 – GENERAL REQUIREMENTS	
GC Req.	General Requirements Manual
GC Req.	Trade Package Scope Manual
GC Req.	Trade Package General Scope Requirements

### **Primary Responsibility**

This Subcontractor is responsible for all Primary Specification Responsibilities listed below unless this Scope of Work specifically states otherwise.

PRIMARY TECHNICAL SPECIFICATION RESPONSIBILITIES (PROJECT MANUAL)	
	Specifications are included on the Drawings
102800	Toilet, Bath, and Laundry Accessories
104313	Defibrillator Cabinets
104316	First Aid Cabinet & Kit
104413	Fire Protection Cabinets
104416	Fire Extinguishers



### **Secondary Responsibility**

**This Subcontractor is responsible for all Secondary Specification Responsibilities listed below to the extent applicable, or defined, within this Scope of Work.**

SECONDARY TECHNICAL SPECIFICATION RESPONSIBILITIES	
	Specifications are included on the Drawings

### **Primary Responsibility**

**This Subcontractor is responsible for all Primary Specification Responsibilities listed below unless this Scope of Work specifically states otherwise.**

PRIMARY TECHNICAL SPECIFICATION RESPONSIBILITIES (DRAWINGS)		
DRAWING NO.	DRAWING NAME	SPECIFIC ITEM
BID DOCUMENTS	ALL DRAWINGS	<p>This Subcontractor shall furnish and install a complete turnkey of Work for <b>BP-10A</b>, per the Contract Documents to include, but not limited to: including all accessories and incidentals for a complete job with no exceptions.</p> <p>This Subcontractor shall coordinate with other trades as applicable to complete this Scope of Work including</p>
All	All	Subcontractor owns all drawings and notes as it relates to the scope. The items listed below are intended to add clarification. Notes or drawings not included below does not alleviate the subcontractor from ownership.
All	Notes, General Notes, Key Notes, and specifications	All notes/specs as it relates to items to being coordinated with other trades.

The Toilet Partitions, Accessories, and Fire Protection Specialties Subcontractor shall be responsible for complying with the requirements of each Scope of Work Description / Clarification Section listed below, **even if** those requirements are not shown within the Specification Sections listed above.

This Subcontractor shall be responsible for all Primary Specification Responsibilities identified above in their entirety. All costs associated with Primary Specification Responsibilities shall be included in this Subcontractor's Scope of Work and reflected in bid amount.

This Subcontractor shall be at least partially responsible for Secondary Specification Responsibilities identified above. The Secondary Specifications identify work scopes for which this Subcontractor is not wholly responsible but shall be applicable as it relates to the execution of Primary Specification

Responsibilities. This may include a varying degree of responsibility from simple coordination to performing entire portions of work. The Secondary Specifications are not intended to be all inclusive and shall not limit the Subcontractor in any way with regards to installation of work identified in Primary Specification Responsibilities.

The Toilet Partitions, Accessories, and Fire Protection Specialties Subcontractor is responsible for all Work described herein and below unless specifically noted otherwise.

## **10.0 SPECIALTIES SCOPE OF WORK DESCRIPTION**

- 10.0.1 Toilet Accessories – This Work shall include furnishing and installing materials for a complete Toilet and Bath Accessories System, including but not limited to horizontal and vertical grab bars, folding shower seats, soap dishes, shower rods, curtains, and hooks, framed mirrors, sanitary napkin disposal units, Toilet tissue dispensers, soap dispensers, electric hand dryers, paper towel dispensers/waste receptacle, Robe Hooks, anchors, fasteners, hardware, miscellaneous accessories, etc. as required to complete all Toilet Accessories Work at all locations designated within the Contract Documents.
- 10.0.2 Custodial Accessories - This Work shall include furnishing and installing mop and broom holders.
- 10.0.3 Fire Extinguishers – This Subcontractor shall furnish and install all fire protection cabinets as required by the Contract Documents, including all accessory materials and components for a complete installation.
- 10.0.4 Defibrillator Cabinets – Furnish and install. Inclusive of all accessories and signage
- 10.0.5 First Aid Cabinet and kit – Furnish and install all first aid cabinets and first aid trauma kits along with all accessories and signage.
- 10.0.6 Fire protection cabinets – Furnish and install
- 10.0.7 Emergency Key Access Box – Furnish and install

## **17.0 SCOPE OF WORK CLARIFICATIONS AND/OR OTHER REQUIREMENTS**

- 17.0.1 The intent of this section is to clarify the assignment of the Trade Work, and not to alter or change the specifications and design requirements.
- 17.0.2 All correspondence and/or communication must be directed through General Contractor. All construction directives must come through General Contractor. Do NOT contact the Owner, Owner Consultant, or Architect directly without the consent of General Contractor.
- 17.0.3 The scope items listed in this Exhibit are to be used only as a guide and in no way limits the

Scope of Work to those items listed.

- 17.0.4 It is recognized and understood that this Subcontractor was selected for their expertise and knowledge of this specialized work, and it is expected that the subcontractor did and has included in their scope of work all items and quality control required to carry out the intent of the Contract Documents to completion.
- 17.0.5 This Subcontractor shall provide, but not limited to the following items which may or may not be clearly defined in the Contract Documents as being within the Scope of Work of this Subcontract Agreement: standards, certifications, testing, cleaning, inspecting, field quality control, close-out procedures, labels, field measurements and verifications, coordination with other trades, shop drawings and submittals, as-built drawings (PDF set), operating and maintenance instruction manuals, etc.
- 17.0.6 Each Subcontractor is responsible for inspecting the work that precedes its work and reporting any deficiencies which will affect its work to the Contractor prior to commencing with the new work. Once the new work has been installed over preceding work, the Contractor shall consider this action as the Subcontractor installing the new work as acceptance of all preceding work.
- 17.0.7 In cases where Division One Specifications contain conflicting information with Documents made a part of this Subcontract, the provisions, terms, conditions, etc. the more stringent shall take precedence.
- 17.0.8 Subcontractor shall be responsible for all freight, delivery, equipment, loading, unloading, rigging, and hoisting, as required to perform this Work. All costs associated with delivery of materials and equipment to perform the Scope of Work is included.
- 17.0.9 Extra Materials – This work shall include providing extra materials (attic stock) as specified.
- 17.0.10 Multiple mobilizations will be required for the completion of this Scope of Work. No additional compensation will be provided for multiple mobilization requirements. Samet will make every effort to limit the number of mobilizations. Roof installation will be based upon the construction schedule.
- 17.0.11 This Subcontractor shall NOT include the cost for their Payment and Performance Bonds in their bid amount, however if requested by the General Contractor, this Subcontractor shall provide a Performance and Payment Bond at Cost if awarded the Subcontract.
- 17.0.12 It is understood there may be utilities (new or existing), equipment, or other trades potentially in the way during operations performed by this Subcontractor. This Subcontractor agrees to coordinate as necessary to work around all obstacles to meet the requirements of the schedule.





- 17.0.13 The project site shall be open for subcontractor work from 7:00am-5:00pm, Monday-Friday, unless otherwise directed by the Construction Manager. The site will be open on Saturdays and Sundays for make-up days only on a pre-approved basis. No work, deliveries, pickups, or subcontractor presence shall be allowed outside of normal site hours without prior approval from the Construction Management Team. Note that the availability of Samet supervisory coverage may impact this approval process.
- 17.0.14 This Subcontractor will be responsible for all required cleanup of their excess materials and equipment on a daily basis. This Subcontractor is also responsible for protection of its work. All cost associated with this required cleanup and protection is to be included in their base proposal including but not limited to weather protection for all roofing work as needed to maintain the requirements of the Contract Documents.
- 17.0.15 While completing this Subcontractors Scope of Work, this Subcontractor is responsible for daily cleanup of their materials. All trash and debris generated by this Subcontractor should be disposed of in the provided onsite dumpster.
- 17.0.16 This Subcontractor shall submit a site-specific safety plan before beginning work. A template will be provided by the Construction Manager at the pre-install meeting.
- 17.0.17 This Subcontractor shall submit SDS forms before beginning work.
- 17.0.18 This Subcontractor shall submit a QA/QC plan before beginning work. A template will be provided by the Construction Manager at the pre-install meeting.
- 17.0.19 All workers under this Subcontract shall attend a Samet Site Orientation meeting on their first day on this project BEFORE beginning work. New workers should report to Samet staff upon arrival to the site.
- 17.0.20 This Subcontractor shall complete all Samet required safety and job reports DAILY by 9am. Electronic and hard copies of all needed forms will be supplied to this Subcontractor at the Pre-Install meeting. Forms will include a Daily Report and a Pre-Task Plan at a minimum with other safety forms submitted as required by daily activities.
- 17.0.21 This Subcontractor shall reference scope clarification drawings included in the trade scope manual for specific directions on additions and deletions regarding this Scope of Work.
- 17.0.22 Labor and material prices are guaranteed through the duration of the project. Escalation costs are prohibited. The contract price shall not be increased for any coordination work related to conflict resolution, miscellaneous or incidental items required for the work to meet the intent of the Owner, architect's and engineer's design, the Contract Documents, plans, or specifications.
- 17.0.23 Maintenance of controlled access zones and fall protection as required by OSHA, for the

safety of the Subcontractor's employees or others during the Work is included. This Subcontractor to provide any barricades, caution tape, spotters, and/or safety equipment necessary to protect the public, employees, and the property.

- 17.0.24 Subcontractor shall have a qualified foreman and/or superintendent onsite at all times during the performance of the Work and be capable of directing crews. This individual must be fluent in written and spoken English and be reasonably acceptable to the Contractor as a supervisor. The Subcontractor's onsite foreman and/or superintendent shall always be equipped with a cellular telephone during working hours and provide the Contractor with Emergency Contact Information for non-working hours.
- 17.0.25 Subcontractor shall be responsible to coordinate and work with each other to eliminate conflicts during the installation of the Work. No change orders will be accepted by the Contractor for relocation and/or replacement of the Work due to the Subcontractor's lack of coordination in performing their respective scopes of work.
- 17.0.26 Manufactured items shall be installed in strict accordance with the manufacturer's printed directions, specifications and/or recommendations for installation of highest quality. All working parts shall be properly adjusted after installation and left in new working order.
- 17.0.27 Temporary electricity supplied by the Electrical Contractor will include minimal wattage single phase for small electric hand tools and basic construction temporary lighting only in accordance with OSHA guidelines. Any specific power requirements for welding, task lighting or other operations are to be provided by this Subcontractor.
- 17.0.28 If temporary "task" lighting is required to complete the Subcontractor's work, then the Trade Subcontractor requiring the temporary "task" lighting in order to complete its work shall provide its own temporary lighting at its own expense.
- 17.0.29 All stored materials must be protected from moisture, temperature, weather elements, theft, and vandalism, and stored at locations as not to interfere with the performance of other subcontractors. Any damages or theft resulting from the storing of materials are the responsibility of the Subcontractor. Re-handling of onsite materials that interfere with the work of other subcontractors shall be at no cost to the Contractor.
- 17.0.30 Each Subcontractor will remove all excess materials from the site at the time work has been completed. Failure to do so the General Contractor will give the Subcontractor a 24-hour notice at the end of this 24 hours the General Contractor will make arrangements to have the material removed. This work and the supervision of this work will be at the cost of this Subcontractor.
- 17.0.31 Subcontractor shall be responsible for cold and hot weather protection as required to perform the Work so not to delay the Project Construction Schedule.

17.0.32 Each Trade Subcontractor shall be responsible for notifying the City Inspectors and/or County Inspectors and/or State Inspectors when their services or inspections are required. Expedite notification to insure proper lead-time. The Trade Subcontractor shall notify the General Contractor in writing twenty-four (24) hours prior to any inspection.

17.0.33 This Subcontractor is responsible for all Contract Documents for this project. No allowance will be made for lack of knowledge of other subcontractor's work or existing conditions required in connection with HVAC, plumbing, electrical and other Subcontractors, including Owner furnished equipment.

17.0.34 Subcontractors entitlement to additional overhead and profit as a result of such changes, if any, shall not exceed a combined total of fifteen percent (15%) of the value of the Work to be self-performed.

**—OTHER SCHEDULE SUMMARY INFORMATION—**

The Substantial Completion date for the Toilet Partitions, Accessories, and Fire Protection Specialties Subcontractor is as reflected within the Construction Schedule. Special attention should be directed to the Construction Schedule for project sequencing requirements which are a requirement of this Scope of Work. Reference Schedule Milestone Table extracted from the Project Schedule below for other specifics related to this Scope of Work.

SCHEDULE MILESTONE TABLE		
ACTIVITY NO.	ACTIVITY DESCRIPTION	COMPLETION DATE OR DURATION
PC1040	Final Approval – C of O	8/24/26

**—ALLOWANCES—**

Allowances shall cover the cost of all materials and equipment delivered at the site and all required taxes, less applicable trade discounts. Costs for unloading and handling at the site, labor, installation costs, overhead, profit and other expenses associated with stated allowance amounts shall be included in the Subcontract Amount but not in the allowances. Whenever costs are more than or less than an allowance amount, the Subcontract Amount shall be adjusted accordingly by Change Order. The amount of the Change Order shall reflect the difference between actual costs and the allowances.

ALLOWANCES		
ALLOWANCE NO.	ALLOWANCE DESCRIPTION	AMOUNT



**—UNIT PRICES—**

To the extent that some or all of the Subcontractor's Work is to be performed on a unit price basis, the Subcontract Amount shall be computed in accordance with the unit prices set forth below. Unit prices are deemed to include all costs related to Subcontractor's performance of the Work, including, but not limited to, costs of labor, supervision, services, materials, equipment, tools, scaffolds, hoisting, transportation, storage, insurance, and taxes, and all overhead and profit. Quantities shall be measured by means acceptable to Owner, General Contractor and Subcontractor, and if applicable, an independent testing firm hired by Owner.

UNIT PRICES			
UNIT NO.	UNIT PRICE DESCRIPTION	UNIT PRICE	UNIT MEASURE

**—ALTERNATES—**

Each alternate designated below has been separated into the following three categories:

- "Accepted" – Alternate was accepted by General Contractor and the dollar value for the alternate is included within the Subcontractor Amount.
- "Pending" – Alternate is pending award by General Contractor with the decision being deferred until the date defined within each applicable Alternate. This cost is NOT included in the Subcontractor Amount.
  - "Declined" – Alternate was NOT accepted by General Contractor and the dollar value for the alternate is NOT included within the Subcontractor Amount. By declining the alternate, all requirements applicable thereof are deleted from the contract documents.

ALTERNATES			
ALTERNATE NO.	ALTERNATE DESCRIPTION	VALUE	STATUS
P1	Payment and performance bond		Pending

If requested, the cost of the Performance and Payment Bonds (amount as provided) will be reimbursed to the Subcontractor based on the following revised contract revision noted below:

Subcontractor shall provide Performance and Payment Bonds, if required, each with a penal amount equal to 100% of the Subcontract Amount, on forms acceptable to the General Contractor. The premium for these bonds shall be paid by Subcontractor and the cost thereof shall be invoiced separately to the General Contractor based on the Subcontractor providing an actual paid receipt from its surety agent. The value of the Performance and Payment bond in all cases shall not be more than the Subcontractor's bid alternate amount submitted for these bonds. If the bond(s) value is more than the bid amount submitted for these bonds, the Subcontractor shall pay the difference to its surety agent at its cost.

**END OF SECTION**

**TRADE PACKAGE SCOPE OF WORK:**

**10A TOILET PARTITIONS, ACCESSORIES, AND FIRE PROTECTION SPECIALTIES SUBCONTRACT**

## **TRADE PACKAGE SCOPE OF WORK**

### **10B SIGNAGE SUBCONTRACT**

Furnish all labor, materials, tools, taxes, safety, insurances, equipment, hoisting, cranes, supervision, and all other incidentals necessary to accomplish all **Signage** Work in accordance with all Contract Documents and as defined within **Trade Package General Scope Requirements** and this Scope of Work.

**Subcontractors/Suppliers performing work on multiple portions of the project site (i.e., buildings, parking area, site, etc.) shall provide separate equipment, hoisting, cranes, supervision including, but not limited to management, superintendent, foreman, tradesman, laborers, etc. for each portion unless agreed to otherwise in writing by the General Contractor. If the project needs and schedule are not being met to the satisfaction of the General Contractor, written approval will be rescinded, and the original staffing requirements shall be provided by the Subcontractor.**

Project Specifications for the Signage Scope of Work are listed below. This Subcontractor or Supplier shall carefully examine all specification sections and drawings within the Contract Documents and be responsible for all work described within this Scope of Work and as required on the project.

### **PROJECT SPECIFICATIONS**

This Subcontractor is responsible for all Division 1 - General Requirements as listed below prepared by the Architect, Design Consultants, and/or General Contractor or as designated elsewhere within the Technical Specifications or Drawings as applicable to this Trade Package Scope of Work.

DIVISION 1 – GENERAL REQUIREMENTS	
GC Req.	General Requirements Manual
GC Req.	Trade Package Scope Manual
GC Req.	Trade Package General Scope Requirements

### **Primary Responsibility**

**This Subcontractor is responsible for all Primary Specification Responsibilities listed below unless this Scope of Work specifically states otherwise.**

PRIMARY TECHNICAL SPECIFICATION RESPONSIBILITIES (PROJECT MANUAL)	
	Specifications are included on the Drawings
101419	Dimensional Letter Signage
101423	Panel Signage

### **Primary Responsibility**

**This Subcontractor is responsible for all Primary Specification Responsibilities listed below unless this Scope of Work specifically states otherwise.**

PRIMARY TECHNICAL SPECIFICATION RESPONSIBILITIES (DRAWINGS)		
DRAWING NO.	DRAWING NAME	SPECIFIC ITEM
BID DOCUMENTS	ALL DRAWINGS	<p>This Subcontractor shall furnish and install a complete turnkey of Work for <b>BP-10B - Signage</b>, per the Contract Documents to include, but not limited to: including all accessories and incidentals for a complete job with no exceptions.</p> <p>This Subcontractor shall coordinate with other trades as applicable to complete this Scope of Work including</p>
All	All	Subcontractor owns all drawings and notes as it relates to the Signage scope. The items listed below are intended to add clarification. Notes or drawings not included below does not alleviate the subcontractor from ownership.
All	Notes, General Notes, Key Notes, and specifications	All signage notes/specs and items as it relates to items to be coordinated with other trades.

The Signage Subcontractor shall be responsible for complying with the requirements of each Scope of Work Description / Clarification Section listed below, **even if** those requirements are not shown within the Specification Sections listed above.

This Subcontractor shall be responsible for all Primary Specification Responsibilities identified above in their entirety. All costs associated with Primary Specification Responsibilities shall be included in this Subcontractor's Scope of Work and reflected in bid amount.

This Subcontractor shall be at least partially responsible for Secondary Specification Responsibilities identified above. The Secondary Specifications identify work scopes for which this Subcontractor is not wholly responsible but shall be applicable as it relates to the execution of Primary Specification Responsibilities. This may include a varying degree of responsibility from simple coordination to performing entire portions of work. The Secondary Specifications are not intended to be all inclusive and shall not limit the Subcontractor in any way with regards to installation of work identified in Primary Specification Responsibilities.

The Signage Subcontractor is responsible for all Work described herein and below unless specifically noted otherwise.

## 10.0 SPECIALTIES SCOPE OF WORK DESCRIPTION

- 10.0.1 Signage - This Work shall include providing and installing a complete Signage System, including but shall not be limited to, restroom identification, stairwell identification, floor identification within stairwell, levels to exit within stairwell, roof access within stairwell,



floor numbering at elevator door jamb plates, emergency escape directories, posted occupancy limit, elevator fire emergency plaque, fire alarm pull stations, fire extinguisher identification, tactile exit signs, fasteners, anchors, adhesives, mastic, miscellaneous accessories, etc. as required to complete all Signage Work at all locations and/or as designated within the Contract Documents.

10.0.2 Dimensional Letter Signage – This work shall include providing and installing a complete dimensional letter signage system, including but shall not be limited to, metal letter forms, anchors, fasteners, LED lighting system, electrical components, etc. as required to complete all Dimensional Letter Signage work at all locations and/or as designated within the Contract Documents. Final electrical connections of the LED lighting system will be performed by the Electrical Subcontractor. Close coordination with the Electrical Subcontractor will be required in order to insure rough-in locations are properly located.

10.0.3 Building Number Signage – This work shall include providing and installing a complete Building Number Signage System, including but shall not be limited to, adhesive building number signage, metal number forms, anchors, fasteners, etc. as required to complete all Building Number Signage work at all locations and/or as designated within the Contract Documents.

10.0.4 This Subcontractor is to furnish and install all exterior post and panel signs as indicated in plans and specifications, including all necessary concrete required for installation.

## 17.0 **SCOPE OF WORK CLARIFICATIONS AND/OR OTHER REQUIREMENTS**

17.0.1 The intent of this section is to clarify the assignment of the Trade Work, and not to alter or change the specifications and design requirements.

17.0.2 All correspondence and/or communication must be directed through General Contractor. All construction directives must come through General Contractor. Do NOT contact the Owner, Owner Consultant, or Architect directly without the consent of General Contractor.

17.0.3 The scope items listed in this Exhibit are to be used only as a guide and in no way limits the Scope of Work to those items listed.

17.0.4 It is recognized and understood that this Subcontractor was selected for their expertise and knowledge of this specialized work, and it is expected that the subcontractor did and has included in their scope of work all items and quality control required to carry out the intent of the Contract Documents to completion.

17.0.5 This Subcontractor shall provide, but not limited to the following items which may or may not be clearly defined in the Contract Documents as being within the Scope of Work of this Subcontract Agreement: standards, certifications, testing, cleaning, inspecting, field quality control, close-out procedures, labels, field measurements and verifications, coordination

with other trades, shop drawings and submittals, as-built drawings (PDF set), operating and maintenance instruction manuals, etc.

- 17.0.6 Each Subcontractor is responsible for inspecting the work that precedes its work and reporting any deficiencies which will affect its work to the Contractor prior to commencing with the new work. Once the new work has been installed over preceding work, the Contractor shall consider this action as the Subcontractor installing the new work as acceptance of all preceding work.
- 17.0.7 In cases where Division One Specifications contain conflicting information with Documents made a part of this Subcontract, the provisions, terms, conditions, etc. the more stringent shall take precedence.
- 17.0.8 Subcontractor shall be responsible for all freight, delivery, equipment, loading, unloading, rigging, and hoisting, as required to perform this Work. All costs associated with delivery of materials and equipment to perform the Scope of Work is included.
- 17.0.9 Extra Materials – This work shall include providing extra materials (attic stock) as specified.
- 17.0.10 Multiple mobilizations will be required for the completion of this Scope of Work. No additional compensation will be provided for multiple mobilization requirements. Samet will make every effort to limit the number of mobilizations. Roof installation will be based upon the construction schedule.
- 17.0.11 This Subcontractor shall NOT include the cost for their Payment and Performance Bonds in their bid amount, however if requested by the General Contractor, this Subcontractor shall provide a Performance and Payment Bond at Cost if awarded the Subcontract.
- 17.0.12 It is understood there may be utilities (new or existing), equipment, or other trades potentially in the way during operations performed by this Subcontractor. This Subcontractor agrees to coordinate as necessary to work around all obstacles to meet the requirements of the schedule.
- 17.0.13 The project site shall be open for subcontractor work from 7:00am-5:00pm, Monday-Friday, unless otherwise directed by the Construction Manager. The site will be open on Saturdays and Sundays for make-up days only on a pre-approved basis. No work, deliveries, pickups, or subcontractor presence shall be allowed outside of normal site hours without prior approval from the Construction Management Team. Note that the availability of Samet supervisory coverage may impact this approval process.
- 17.0.14 This Subcontractor will be responsible for all required cleanup of their excess materials and equipment on a daily basis. This Subcontractor is also responsible for protection of its work. All cost associated with this required cleanup and protection is to be included in their base proposal including but not limited to weather protection for all roofing work as

needed to maintain the requirements of the Contract Documents.

- 17.0.15 While completing this Subcontractors Scope of Work, this Subcontractor is responsible for daily cleanup of their materials. All trash and debris generated by this Subcontractor should be disposed of in the provided onsite dumpster.
- 17.0.16 This Subcontractor shall submit a site-specific safety plan before beginning work. A template will be provided by the Construction Manager at the pre-install meeting.
- 17.0.17 This Subcontractor shall submit SDS forms before beginning work.
- 17.0.18 This Subcontractor shall submit a QA/QC plan before beginning work. A template will be provided by the Construction Manager at the pre-install meeting.
- 17.0.19 All workers under this Subcontract shall attend a Samet Site Orientation meeting on their first day on this project BEFORE beginning work. New workers should report to Samet staff upon arrival to the site.
- 17.0.20 This Subcontractor shall complete all Samet required safety and job reports DAILY by 9am. Electronic and hard copies of all needed forms will be supplied to this Subcontractor at the Pre-Install meeting. Forms will include a Daily Report and a Pre-Task Plan at a minimum with other safety forms submitted as required by daily activities.
- 17.0.21 This Subcontractor shall reference scope clarification drawings included in the trade scope manual for specific directions on additions and deletions regarding this Scope of Work.
- 17.0.22 Labor and material prices are guaranteed through the duration of the project. Escalation costs are prohibited. The contract price shall not be increased for any coordination work related to conflict resolution, miscellaneous or incidental items required for the work to meet the intent of the Owner, architect's and engineer's design, the Contract Documents, plans, or specifications.
- 17.0.23 Maintenance of controlled access zones and fall protection as required by OSHA, for the safety of the Subcontractor's employees or others during the Work is included. This Subcontractor to provide any barricades, caution tape, spotters, and/or safety equipment necessary to protect the public, employees, and the property.
- 17.0.24 Subcontractor shall have a qualified foreman and/or superintendent onsite at all times during the performance of the Work and be capable of directing crews. This individual must be fluent in written and spoken English and be reasonably acceptable to the Contractor as a supervisor. The Subcontractor's onsite foreman and/or superintendent shall always be equipped with a cellular telephone during working hours and provide the Contractor with Emergency Contact Information for non-working hours.

- 17.0.25 Subcontractor shall be responsible to coordinate and work with each other to eliminate conflicts during the installation of the Work. No change orders will be accepted by the Contractor for relocation and/or replacement of the Work due to the Subcontractor's lack of coordination in performing their respective scopes of work.
- 17.0.26 Manufactured items shall be installed in strict accordance with the manufacturer's printed directions, specifications and/or recommendations for installation of highest quality. All working parts shall be properly adjusted after installation and left in new working order.
- 17.0.27 Temporary electricity supplied by the Electrical Contractor will include minimal wattage single phase for small electric hand tools and basic construction temporary lighting only in accordance with OSHA guidelines. Any specific power requirements for welding, task lighting or other operations are to be provided by this Subcontractor.
- 17.0.28 If temporary "task" lighting is required to complete the Subcontractor's work, then the Trade Subcontractor requiring the temporary "task" lighting in order to complete its work shall provide its own temporary lighting at its own expense.
- 17.0.29 All stored materials must be protected from moisture, temperature, weather elements, theft, and vandalism, and stored at locations as not to interfere with the performance of other subcontractors. Any damages or theft resulting from the storing of materials are the responsibility of the Subcontractor. Re-handling of onsite materials that interfere with the work of other subcontractors shall be at no cost to the Contractor.
- 17.0.30 Each Subcontractor will remove all excess materials from the site at the time work has been completed. Failure to do so the General Contractor will give the Subcontractor a 24-hour notice at the end of this 24 hours the General Contractor will make arrangements to have the material removed. This work and the supervision of this work will be at the cost of this Subcontractor.
- 17.0.31 Subcontractor shall be responsible for cold and hot weather protection as required to perform the Work so not to delay the Project Construction Schedule.
- 17.0.32 Each Trade Subcontractor shall be responsible for notifying the City Inspectors and/or County Inspectors and/or State Inspectors when their services or inspections are required. Expedite notification to insure proper lead-time. The Trade Subcontractor shall notify the General Contractor in writing twenty-four (24) hours prior to any inspection.
- 17.0.33 This Subcontractor is responsible for all Contract Documents for this project. No allowance will be made for lack of knowledge of other subcontractor's work or existing conditions required in connection with HVAC, plumbing, electrical and other Subcontractors, including Owner furnished equipment.
- 17.0.34 Subcontractors entitlement to additional overhead and profit as a result of such changes, if

any, shall not exceed a combined total of fifteen percent (15%) of the value of the Work to be self-performed.

**—OTHER SCHEDULE SUMMARY INFORMATION—**

The Substantial Completion date for the Signage Subcontractor is as reflected within the Construction Schedule. Special attention should be directed to the Construction Schedule for project sequencing requirements which are a requirement of this Scope of Work. Reference Schedule Milestone Table extracted from the Project Schedule below for other specifics related to this Scope of Work.

SCHEDULE MILESTONE TABLE		
ACTIVITY NO.	ACTIVITY DESCRIPTION	COMPLETION DATE OR DURATION
PC1040	Final Approval – C of O	8/24/2026

**—ALTERNATES—**

Each alternate designated below has been separated into the following three categories:

- “Accepted” – Alternate was accepted by General Contractor and the dollar value for the alternate is included within the Subcontractor Amount.
- “Pending” – Alternate is pending award by General Contractor with the decision being deferred until the date defined within each applicable Alternate. This cost is NOT included in the Subcontractor Amount.
  - “Declined” – Alternate was NOT accepted by General Contractor and the dollar value for the alternate is NOT included within the Subcontractor Amount. By declining the alternate, all requirements applicable thereof are deleted from the contract documents.

ALTERNATES			
ALTERNATE NO.	ALTERNATE DESCRIPTION	VALUE	STATUS
P1	Payment and performance Bond		Pending



## Subcontract Cost Breakdown Summary

Scope Description			
<b>Base Contract Amount Total (Excluding Allowances &amp; Alternates):</b>			<b>\$0.00</b>
Scope Breakdown			
1	XXXXXXXX	\$0.00	
2	XXXXXXXX	\$0.00	
3	XXXXXXXX	\$0.00	
4	XXXXXXXX	\$0.00	
Subtotal:		<b>\$0.00</b>	
<b>Accepted Alternates Total:</b>			<b>\$0.00</b>
No.	Description		
1	XXXXXXXX	\$0.00	
2	XXXXXXXX	\$0.00	
Subtotal:		<b>\$0.00</b>	
<b>Allowances Total:</b>			<b>\$0.00</b>
No.	Description		
1	XXXXXXXX	\$0.00	
2	XXXXXXXX	\$0.00	
3	XXXXXXXX	\$0.00	
Subtotal:		<b>\$0.00</b>	
		Sales Tax	Included
		P & P Bond	Included
<b>Final Subcontract Amount:</b>			<b>\$0.00</b>

If requested, the cost of the Performance and Payment Bonds (amount as provided) will be reimbursed to the Subcontractor based on the following revised contract revision noted below:





Subcontractor shall provide Performance and Payment Bonds, if required, each with a penal amount equal to 100% of the Subcontract Amount, on forms acceptable to the General Contractor. The premium for these bonds shall be paid by Subcontractor and the cost thereof shall be invoiced separately to the General Contractor based on the Subcontractor providing an actual paid receipt from its surety agent. The value of the Performance and Payment bond in all cases shall not be more than the Subcontractor's bid alternate amount submitted for these bonds. If the bond(s) value is more than the bid amount submitted for these bonds, the Subcontractor shall pay the difference to its surety agent at its cost.

**END OF SECTION**  
**TRADE PACKAGE SCOPE OF WORK:**  
**10B SIGNAGE SUBCONTRACT**

## **TRADE PACKAGE SCOPE OF WORK**

### **13A FIRE PANELS AND BRICK SUBCONTRACT**

Furnish all labor, materials, tools, taxes, safety, insurances, equipment, hoisting, cranes, supervision, and all other incidentals necessary to accomplish all **Fire Panels and Brick** Work in accordance with all Contract Documents and as defined within **Trade Package General Scope Requirements** and this Scope of Work.

**Subcontractors/Suppliers performing work on multiple portions of the project site (i.e., buildings, parking area, site, etc.) shall provide separate equipment, hoisting, cranes, supervision including, but not limited to management, superintendent, foreman, tradesman, laborers, etc. for each portion unless agreed to otherwise in writing by the General Contractor. If the project needs and schedule are not being met to the satisfaction of the General Contractor, written approval will be rescinded, and the original staffing requirements shall be provided by the Subcontractor.**

Project Specifications for the Fire Panels and Brick Scope of Work are listed below. This Subcontractor or Supplier shall carefully examine all specification sections and drawings within the Contract Documents and be responsible for all work described within this Scope of Work and as required on the project.

### **PROJECT SPECIFICATIONS**

This Subcontractor is responsible for all Division 1 - General Requirements as listed below prepared by the Architect, Design Consultants, and/or General Contractor or as designated elsewhere within the Technical Specifications or Drawings as applicable to this Trade Package Scope of Work.

DIVISION 1 – GENERAL REQUIREMENTS	
GC Req.	General Requirements Manual
GC Req.	Trade Package Scope Manual
GC Req.	Trade Package General Scope Requirements

### **Primary Responsibility**

**This Subcontractor is responsible for all Primary Specification Responsibilities listed below unless this Scope of Work specifically states otherwise.**

PRIMARY TECHNICAL SPECIFICATION RESPONSIBILITIES (PROJECT MANUAL)	
	Specifications are included on the Drawings
070001	Thermal Lining System – Burn Building



### **Secondary Responsibility**

**This Subcontractor is responsible for all Secondary Specification Responsibilities listed below to the extent applicable, or defined, within this Scope of Work.**

<b>SECONDARY TECHNICAL SPECIFICATION RESPONSIBILITIES</b>	
	<b>Specifications are included on the Drawings</b>
033000	Cast-in-place concrete
033000.01	Cast-place-concrete – Burn Building
042000	Unit Masonry
042000.01	Unit Masonry Assemblies – Burn Building
055000	Metal Fabrications

### **Primary Responsibility**

**This Subcontractor is responsible for all Primary Specification Responsibilities listed below unless this Scope of Work specifically states otherwise.**

<b>PRIMARY TECHNICAL SPECIFICATION RESPONSIBILITIES (DRAWINGS)</b>		
<b>DRAWING NO.</b>	<b>DRAWING NAME</b>	<b>SPECIFIC ITEM</b>
BID DOCUMENTS	ALL DRAWINGS	<p>This Subcontractor shall furnish and install a complete turnkey of Work for <b>BP-13A Fire Panels and Brick</b>, per the Contract Documents to include, but not limited to: including all accessories and incidentals for a complete job with no exceptions.</p> <p>This Subcontractor shall coordinate with other trades as applicable to complete this Scope of Work including</p>
All	All	Subcontractor owns all drawings and notes as it relates to the scope. The items listed below are intended to add clarification. Notes or drawings not included below does not alleviate the subcontractor from ownership.
All	Notes, General Notes, Key Notes, and specifications	All thermal linings notes/specs and items as it relates to items to be coordinated with other trades.

The Fire Panels and Brick Subcontractor shall be responsible for complying with the requirements of each Scope of Work Description / Clarification Section listed below, **even if** those requirements are not shown within the Specification Sections listed above.

This Subcontractor shall be responsible for all Primary Specification Responsibilities identified above in their entirety. All costs associated with Primary Specification Responsibilities shall be included in this Subcontractor's Scope of Work and reflected in bid amount.

This Subcontractor shall be at least partially responsible for Secondary Specification Responsibilities identified above. The Secondary Specifications identify work scopes for which this Subcontractor is not wholly responsible but shall be applicable as it relates to the execution of Primary Specification Responsibilities. This may include a varying degree of responsibility from simple coordination to performing entire portions of work. The Secondary Specifications are not intended to be all inclusive and shall not limit the Subcontractor in any way with regards to installation of work identified in Primary Specification Responsibilities.

The Fire Panels and Brick Subcontractor is responsible for all Work described herein and below unless specifically noted otherwise.

### **13.0 SPECIAL CONSTRUCTION SCOPE OF WORK DESCRIPTION**

13.0.1 Turnkey Thermal Lining - This subcontractor shall provide all labor, material, equipment and hoisting/rigging for a full and complete thermal lining scope per the specifications and drawings including but not limited to all fire brick, fire pavers, fire panels, fire clay, insulation, all flashing and trim, packing, accessories, fasteners, anchors, integral misc metals as it relates to the thermal lining system, and precast refractory lintels.

13.0.2 All refractory lintels to be furnished by this subcontractor (BP-13A) and installed by BP-04A

13.0.3 Top of wall misc metal CMU supports to be furnished and installed by BP-04A

### **17.0 SCOPE OF WORK CLARIFICATIONS AND/OR OTHER REQUIREMENTS**

17.0.1 The intent of this section is to clarify the assignment of the Trade Work, and not to alter or change the specifications and design requirements.

17.0.2 All correspondence and/or communication must be directed through General Contractor. All construction directives must come through General Contractor. Do NOT contact the Owner, Owner Consultant, or Architect directly without the consent of General Contractor.

17.0.3 The scope items listed in this Exhibit are to be used only as a guide and in no way limits the Scope of Work to those items listed.

17.0.4 It is recognized and understood that this Subcontractor was selected for their expertise and knowledge of this specialized work, and it is expected that the subcontractor did and has included in their scope of work all items and quality control required to carry out the intent of the Contract Documents to completion.

17.0.5 This Subcontractor shall provide, but not limited to the following items which may or may

not be clearly defined in the Contract Documents as being within the Scope of Work of this Subcontract Agreement: standards, certifications, testing, cleaning, inspecting, field quality control, close-out procedures, labels, field measurements and verifications, coordination with other trades, shop drawings and submittals, as-built drawings (PDF set), operating and maintenance instruction manuals, etc.

- 17.0.6 Each Subcontractor is responsible for inspecting the work that precedes its work and reporting any deficiencies which will affect its work to the Contractor prior to commencing with the new work. Once the new work has been installed over preceding work, the Contractor shall consider this action as the Subcontractor installing the new work as acceptance of all preceding work.
- 17.0.7 In cases where Division One Specifications contain conflicting information with Documents made a part of this Subcontract, the provisions, terms, conditions, etc. the more stringent shall take precedence.
- 17.0.8 Subcontractor shall be responsible for all freight, delivery, equipment, loading, unloading, rigging, and hoisting, as required to perform this Work. All costs associated with delivery of materials and equipment to perform the Scope of Work is included.
- 17.0.9 Extra Materials – This work shall include providing extra materials (attic stock) as specified.
- 17.0.10 Multiple mobilizations will be required for the completion of this Scope of Work. No additional compensation will be provided for multiple mobilization requirements. Samet will make every effort to limit the number of mobilizations. Roof installation will be based upon the construction schedule.
- 17.0.11 This Subcontractor shall NOT include the cost for their Payment and Performance Bonds in their bid amount, however if requested by the General Contractor, this Subcontractor shall provide a Performance and Payment Bond at Cost if awarded the Subcontract.
- 17.0.12 It is understood there may be utilities (new or existing), equipment, or other trades potentially in the way during operations performed by this Subcontractor. This Subcontractor agrees to coordinate as necessary to work around all obstacles to meet the requirements of the schedule.
- 17.0.13 The project site shall be open for subcontractor work from 7:00am-5:00pm, Monday-Friday, unless otherwise directed by the Construction Manager. The site will be open on Saturdays and Sundays for make-up days only on a pre-approved basis. No work, deliveries, pickups, or subcontractor presence shall be allowed outside of normal site hours without prior approval from the Construction Management Team. Note that the availability of Samet supervisory coverage may impact this approval process.
- 17.0.14 This Subcontractor will be responsible for all required cleanup of their excess materials



and equipment on a daily basis. This Subcontractor is also responsible for protection of its work. All cost associated with this required cleanup and protection is to be included in their base proposal including but not limited to weather protection for all roofing work as needed to maintain the requirements of the Contract Documents.

- 17.0.15 While completing this Subcontractors Scope of Work, this Subcontractor is responsible for daily cleanup of their materials. All trash and debris generated by this Subcontractor should be disposed of in the provided onsite dumpster.
- 17.0.16 This Subcontractor shall submit a site-specific safety plan before beginning work. A template will be provided by the Construction Manager at the pre-install meeting.
- 17.0.17 This Subcontractor shall submit SDS forms before beginning work.
- 17.0.18 This Subcontractor shall submit a QA/QC plan before beginning work. A template will be provided by the Construction Manager at the pre-install meeting.
- 17.0.19 All workers under this Subcontract shall attend a Samet Site Orientation meeting on their first day on this project BEFORE beginning work. New workers should report to Samet staff upon arrival to the site.
- 17.0.20 This Subcontractor shall complete all Samet required safety and job reports DAILY by 9am. Electronic and hard copies of all needed forms will be supplied to this Subcontractor at the Pre-Install meeting. Forms will include a Daily Report and a Pre-Task Plan at a minimum with other safety forms submitted as required by daily activities.
- 17.0.21 This Subcontractor shall reference scope clarification drawings included in the trade scope manual for specific directions on additions and deletions regarding this Scope of Work.
- 17.0.22 Labor and material prices are guaranteed through the duration of the project. Escalation costs are prohibited. The contract price shall not be increased for any coordination work related to conflict resolution, miscellaneous or incidental items required for the work to meet the intent of the Owner, architect's and engineer's design, the Contract Documents, plans, or specifications.
- 17.0.23 Maintenance of controlled access zones and fall protection as required by OSHA, for the safety of the Subcontractor's employees or others during the Work is included. This Subcontractor to provide any barricades, caution tape, spotters, and/or safety equipment necessary to protect the public, employees, and the property.
- 17.0.24 Subcontractor shall have a qualified foreman and/or superintendent onsite at all times during the performance of the Work and be capable of directing crews. This individual must be fluent in written and spoken English and be reasonably acceptable to the Contractor as a supervisor. The Subcontractor's onsite foreman and/or superintendent



shall always be equipped with a cellular telephone during working hours and provide the Contractor with Emergency Contact Information for non-working hours.

- 17.0.25 Subcontractor shall be responsible to coordinate and work with each other to eliminate conflicts during the installation of the Work. No change orders will be accepted by the Contractor for relocation and/or replacement of the Work due to the Subcontractor's lack of coordination in performing their respective scopes of work.
- 17.0.26 Manufactured items shall be installed in strict accordance with the manufacturer's printed directions, specifications and/or recommendations for installation of highest quality. All working parts shall be properly adjusted after installation and left in new working order.
- 17.0.27 Temporary electricity supplied by the Electrical Contractor will include minimal wattage single phase for small electric hand tools and basic construction temporary lighting only in accordance with OSHA guidelines. Any specific power requirements for welding, task lighting or other operations are to be provided by this Subcontractor.
- 17.0.28 If temporary "task" lighting is required to complete the Subcontractor's work, then the Trade Subcontractor requiring the temporary "task" lighting in order to complete its work shall provide its own temporary lighting at its own expense.
- 17.0.29 All stored materials must be protected from moisture, temperature, weather elements, theft, and vandalism, and stored at locations as not to interfere with the performance of other subcontractors. Any damages or theft resulting from the storing of materials are the responsibility of the Subcontractor. Re-handling of onsite materials that interfere with the work of other subcontractors shall be at no cost to the Contractor.
- 17.0.30 Each Subcontractor will remove all excess materials from the site at the time work has been completed. Failure to do so the General Contractor will give the Subcontractor a 24-hour notice at the end of this 24 hours the General Contractor will make arrangements to have the material removed. This work and the supervision of this work will be at the cost of this Subcontractor.
- 17.0.31 This Subcontractor shall be responsible for cold and hot weather protection as required to perform the Work so not to delay the Project Construction Schedule.
- 17.0.32 Each Trade Subcontractor shall be responsible for notifying the City Inspectors and/or County Inspectors and/or State Inspectors when their services or inspections are required. Expedite notification to ensure proper lead-time. The Trade Subcontractor shall notify the General Contractor in writing twenty-four (24) hours prior to any inspection.
- 17.0.33 This Subcontractor is responsible for all Contract Documents for this project. No allowance will be made for lack of knowledge of other subcontractors' work or existing conditions required in connection with HVAC, plumbing, electrical and other

Subcontractors, including Owner furnished equipment.

17.0.34 Subcontractors entitlement to additional overhead and profit as a result of such changes, if any, shall not exceed a combined total of fifteen percent (15%) of the value of the Work to be self-performed.

**—OTHER SCHEDULE SUMMARY INFORMATION—**

The Substantial Completion date for the Fire Panels and Brick Subcontractor is as reflected within the Construction Schedule. Special attention should be directed to the Construction Schedule for project sequencing requirements which are a requirement of this Scope of Work. Reference Schedule Milestone Table extracted from the Project Schedule below for other specifics related to this Scope of Work.

SCHEDULE MILESTONE TABLE		
ACTIVITY NO.	ACTIVITY DESCRIPTION	COMPLETION DATE OR DURATION
BB1030	Thermal Linings on Columns	12 days
BB1050	Thermal Ceiling Panels	60 Days
BB1090	Thermal Floor Pavers	30 Days
PC1040	Final Approval – C of O	8/24/2026

**—ALTERNATES—**

Each alternate designated below has been separated into the following three categories:

- “Accepted” – Alternate was accepted by General Contractor and the dollar value for the alternate is included within the Subcontractor Amount.
- “Pending” – Alternate is pending award by General Contractor with the decision being deferred until the date defined within each applicable Alternate. This cost is NOT included in the Subcontractor Amount.
- “Declined” – Alternate was NOT accepted by General Contractor and the dollar value for the alternate is NOT included within the Subcontractor Amount. By declining the alternate, all requirements applicable thereof are deleted from the contract documents.

ALTERNATES			
ALTERNATE NO.	ALTERNATE DESCRIPTION	VALUE	STATUS
P1	Payment and performance bond		pending



If requested, the cost of the Performance and Payment Bonds (amount as provided) will be reimbursed to the Subcontractor based on the following revised contract revision noted below:

Subcontractor shall provide Performance and Payment Bonds, if required, each with a penal amount equal to 100% of the Subcontract Amount, on forms acceptable to the General Contractor. The premium for these bonds shall be paid by Subcontractor and the cost thereof shall be invoiced separately to the General Contractor based on the Subcontractor providing an actual paid receipt from its surety agent. The value of the Performance and Payment bond in all cases shall not be more than the Subcontractor's bid alternate amount submitted for these bonds. If the bond(s) value is more than the bid amount submitted for these bonds, the Subcontractor shall pay the difference to its surety agent at its cost.

**END OF SECTION**  
**TRADE PACKAGE SCOPE OF WORK:**  
**13A FIRE PANELS AND BRICK SUBCONTRACT**

## **TRADE PACKAGE SCOPE OF WORK**

### **21A FIRE SUPPRESSION SUBCONTRACT**

Furnish all labor, materials, tools, taxes, safety, insurances, equipment, hoisting, cranes, supervision, and all other incidentals necessary to accomplish all **Fire Suppression** Work in accordance with all Contract Documents and as defined within **Trade Package General Scope Requirements** and this Scope of Work.

**Subcontractors/Suppliers performing work on multiple portions of the project site (i.e., buildings, parking area, site, etc.) shall provide separate equipment, hoisting, cranes, supervision including, but not limited to management, superintendent, foreman, tradesman, laborers, etc. for each portion unless agreed to otherwise in writing by the General Contractor. If the project needs and schedule are not being met to the satisfaction of the General Contractor, written approval will be rescinded, and the original staffing requirements shall be provided by the Subcontractor.**

Project Specifications for the Fire Suppression Scope of Work are listed below. This Subcontractor or Supplier shall carefully examine all specification sections and drawings within the Contract Documents and be responsible for all work described within this Scope of Work and as required on the project.

### **PROJECT SPECIFICATIONS**

This Subcontractor is responsible for all Division 1 - General Requirements as listed below prepared by the Architect, Design Consultants, and/or General Contractor or as designated elsewhere within the Technical Specifications or Drawings as applicable to this Trade Package Scope of Work.

<b>DIVISION 1 – GENERAL REQUIREMENTS</b>	
<b>GC Req.</b>	<b>General Requirements Manual</b>
<b>GC Req.</b>	<b>Trade Package Scope Manual</b>
<b>GC Req.</b>	<b>Trade Package General Scope Requirements</b>

### **Primary Responsibility**

**This Subcontractor is responsible for all Primary Specification Responsibilities listed below unless this Scope of Work specifically states otherwise.**

<b>PRIMARY TECHNICAL SPECIFICATION RESPONSIBILITIES (PROJECT MANUAL)</b>	
	<b>Specifications are included on the Drawings</b>
210210	Fire Suppression Summary of Work
210510	Fire Suppression Basic Requirements
210517	Sleeves and Sleeve Seals for Fire Suppression Piping
210521	Fire Suppression Piping Specialties
210529	Fire Suppression Piping Hangers and Supports
210553	Fire Suppression Painting and Identification
211000	Sprinkler and Standpipe Fire Suppression Systems

### **Secondary Responsibility**

**This Subcontractor is responsible for all Secondary Specification Responsibilities listed below to the extent applicable, or defined, within this Scope of Work.**

<b>SECONDARY TECHNICAL SPECIFICATION RESPONSIBILITIES</b>	
	<b>Specifications are included on the Drawings</b>
330500	Common Work Results for Utilities

### **Primary Responsibility**

**This Subcontractor is responsible for all Primary Specification Responsibilities listed below unless this Scope of Work specifically states otherwise.**

<b>PRIMARY TECHNICAL SPECIFICATION RESPONSIBILITIES (DRAWINGS)</b>		
<b>DRAWING NO.</b>	<b>DRAWING NAME</b>	<b>SPECIFIC ITEM</b>
BID DOCUMENTS	ALL DRAWINGS	<p>This Subcontractor shall furnish and install a complete turnkey of Work for <b>BP-21A</b>, per the Contract Documents to include, but not limited to: including all accessories and incidentals for a complete job with no exceptions.</p> <p>This Subcontractor shall coordinate with other trades as applicable to complete this Scope of Work including</p>
All	All	Subcontractor owns all drawings and notes as it relates to the scope. The items listed below are intended to add clarification. Notes or drawings not included below does not alleviate the subcontractor from ownership.
All	Notes, General Notes, Key Notes, and specifications	All notes/specs and items as it relates to items to be coordinated with other trades.

The Fire Suppression Subcontractor shall be responsible for complying with the requirements of each Scope of Work Description / Clarification Section listed below, **even if** those requirements are not shown within the Specification Sections listed above.

This Subcontractor shall be responsible for all Primary Specification Responsibilities identified above in their entirety. All costs associated with Primary Specification Responsibilities shall be included in this Subcontractor's Scope of Work and reflected in bid amount.

This Subcontractor shall be at least partially responsible for Secondary Specification Responsibilities identified above. The Secondary Specifications identify work scopes for which this Subcontractor is not wholly responsible but shall be applicable as it relates to the execution of Primary Specification Responsibilities. This may include a varying degree of responsibility from simple coordination to performing entire portions of work. The Secondary Specifications are not intended to be all inclusive and shall not limit

the Subcontractor in any way with regards to installation of work identified in Primary Specification Responsibilities.

The Fire Suppression Subcontractor is responsible for all Work described herein and below unless specifically noted otherwise.

## **21.0 FIRE SUPPRESSION SCOPE OF WORK DESCRIPTION**

- 21.0.1 The Fire Suppression Subcontractor will provide all firestopping of all penetrations of their work, support systems, and fire suppression pipe through all walls (masonry or other).
- 21.0.2 The Fire Suppression Subcontractor must provide UL approved details for each firestopping condition. If among the specified firestop manufacturers, no approved firestop assembly exists for non-standard openings in need of firestopping, mock-ups may be required for any proposed engineering judgment designs for approval by the Construction Manager, the Architect, the Owner and/or the authority having jurisdiction prior to final firestop installation. Accepted in-place mock-ups will be accepted as final work. All engineering judgements must be sealed by licensed North Carolina engineer provided by the installing Subcontractor.
- 21.0.3 Unless specifically noted otherwise within a Trade Package Scope of Work, all sleeves or embeds set or cast into concrete, masonry or other work shall be furnished and installed by the Subcontractor requiring these items in order to complete the installation of its respective work. Additionally, these items shall be provided in a timely manner so as not to delay the concrete, masonry, or other work. In the event the Subcontractor requiring the sleeve(s) or embed(s) fails to provide them in a timely manner, the Subcontractor requiring the sleeve(s) or embed(s) will be required to bear the cost associated with cutting and patching the work in order to properly to install the sleeve(s) or embed(s).
- 21.0.4 Fire Protection System – This Work shall include providing a complete Fire Suppression System as defined within this Scope of Work, the Project Specifications and Drawings related to the Fire Suppression System work of this project including the Training Tower and Burn Building.
- 21.0.5 Fire Suppression Supporting Devices - This Work shall include providing all Fire Suppression related supporting devices, including but not limited to, hangers, threaded rods and supports, seismic pipe hangers and supports, if required by the specifications or building code, saddles, swivel rings, Unistrut and Unistrut headers, vibration isolation hangers, and miscellaneous structural steel supports and/or angle frame supports which are needed to support equipment provided by this Subcontract, whether reflected or not within the Contract Documents and which are not specifically designated to be provided by another Subcontractor. The Fire Suppression Subcontractor shall be responsible for obtaining written approval for all attachments to other Subcontractor's work prior to commencing with the installation of said attachments. Failure to obtain written approval from the



respective Subcontractor and/or Designer may result in the General Contractor's rejection of the installation(s).

- 21.0.6 All piping and fittings shall be galvanized steel.
- 21.0.7 This Subcontractor shall provide all required sprinkler head types, including but not limited to sidewall sprinklers and upright sprinklers at all applicable locations.
- 21.0.8 Pipe Suppression System - This Work shall include a complete Pipe Suppression System for all areas designated, including but not limited to, submittal of proposed Dry Training Standpipe System, all Fire Department Connection Systems, and all Motor Alarm Systems, complete with shop drawings, engineering calculations, product data, etc. to the State/Local Fire Marshal, local authorities, and Designer for review and compliance with N.F.P.A. Codes and Regulations, piping, risers, fittings, sprinkler heads, water flow indicators, tamper switches, fire department connections, fire hose valves, Inspector's test connections, mechanical support devices in accordance with N.F.P.A. and specification requirements, mechanical valves, including valves, drain valves, check valves, etc., signage, labeling, piping identification, steel support angles, water meter or electric alarm bell, standpipe wall hydrants, attic stock, etc. to complete the Pipe Suppression System designated within the Contract Documents.
- 21.0.9 For governing authority approval purposes, shop drawings provided by the Fire Suppression Subcontractor shall also reflect the tap and connection to the existing water main work including the new site fire water main service provided by the Site Utilities Subcontractor.
- 21.0.10 Furnish design documents stamped by Professional Engineer and approved by authority having local jurisdiction, and local fire marshal, if required.
- 21.0.11 This trade shall carefully examine all the contract documents for this project before submitting their bid. No allowance will be made for lack of knowledge of fire suppression work required in connection with HVAC, Plumbing, Electrical, and other trades, including owner furnished equipment.
- 21.0.12 Provide all tagging and identification for this trade's work.
- 21.0.13 The design, installation, and proper operation of this system are the responsibility of the Fire Suppression Subcontractor. Fire Suppression Subcontractor is to obtain all necessary approvals for this phase of work including governmental agencies, or other authorities as may be required. Subcontractor warrants that system design and installation is in accordance with all codes, industry standards, and good engineering practice.
- 21.0.14 The Fire Suppression Subcontractor is aware of the structural components of the building and has taken this into consideration for layout and location of penetrations.

21.0.15 Furnish labor and coordination for final fire marshal review and inspection after completion of work. No additional charges will be accepted for mobilizations for these final reviews.

21.0.16 The Site Utilities Subcontractor will route and cap off the site fire main piping to a point five feet (5'-0") outside of the buildings, for permanent connection and continuation of the work by the Fire Suppression Subcontractor.

## **29.0 SCOPE OF WORK CLARIFICATIONS AND/OR OTHER REQUIREMENTS**

29.0.1 The intent of this section is to clarify the assignment of the Trade Work, and not to alter or change the specifications and design requirements.

29.0.2 All correspondence and/or communication must be directed through General Contractor. All construction directives must come through General Contractor. Do NOT contact the Owner, Owner Consultant, or Architect directly without the consent of General Contractor.

29.0.3 The scope items listed in this Exhibit are to be used only as a guide and in no way limits the Scope of Work to those items listed.

29.0.4 It is recognized and understood that this Subcontractor was selected for their expertise and knowledge of this specialized work, and it is expected that the subcontractor did and has included in their scope of work all items and quality control required to carry out the intent of the Contract Documents to completion.

29.0.5 This Subcontractor shall provide, but not limited to the following items which may or may not be clearly defined in the Contract Documents as being within the Scope of Work of this Subcontract Agreement: standards, certifications, testing, cleaning, inspecting, field quality control, close-out procedures, labels, field measurements and verifications, coordination with other trades, shop drawings and submittals, as-built drawings (PDF set), operating and maintenance instruction manuals, etc.

29.0.6 Each Subcontractor is responsible for inspecting the work that precedes its work and reporting any deficiencies which will affect its work to the Contractor prior to commencing with the new work. Once the new work has been installed over preceding work, the Contractor shall consider this action as the Subcontractor installing the new work as acceptance of all preceding work.

29.0.7 In cases where Division One Specifications contain conflicting information with Documents made a part of this Subcontract, the provisions, terms, conditions, etc. the more stringent shall take precedence.

29.0.8 Subcontractor shall be responsible for all freight, delivery, equipment, loading, unloading, rigging, and hoisting, as required to perform this Work. All costs associated with delivery of

materials and equipment to perform the Scope of Work is included.

29.0.9 Extra Materials – This work shall include providing extra materials (attic stock) as specified.

29.0.10 Multiple mobilizations will be required for the completion of this Scope of Work. No additional compensation will be provided for multiple mobilization requirements. Samet will make every effort to limit the number of mobilizations. Roof installation will be based upon the construction schedule.

29.0.11 This Subcontractor shall NOT include the cost for their Payment and Performance Bonds in their bid amount, however if requested by the General Contractor, this Subcontractor shall provide a Performance and Payment Bond at Cost if awarded the Subcontract.

29.0.12 It is understood there may be utilities (new or existing), equipment, or other trades potentially in the way during operations performed by this Subcontractor. This Subcontractor agrees to coordinate as necessary to work around all obstacles to meet the requirements of the schedule.

29.0.13 The project site shall be open for subcontractor work from 7:00am-5:00pm, Monday-Friday, unless otherwise directed by the Construction Manager. The site will be open on Saturdays and Sundays for make-up days only on a pre-approved basis. No work, deliveries, pickups, or subcontractor presence shall be allowed outside of normal site hours without prior approval from the Construction Management Team. Note that the availability of Samet supervisory coverage may impact this approval process.

29.0.14 This Subcontractor will be responsible for all required cleanup of their excess materials and equipment on a daily basis. This Subcontractor is also responsible for protection of its work. All cost associated with this required cleanup and protection is to be included in their base proposal including but not limited to weather protection for all roofing work as needed to maintain the requirements of the Contract Documents.

29.0.15 While completing this Subcontractors Scope of Work, this Subcontractor is responsible for daily cleanup of their materials. All trash and debris generated by this Subcontractor should be disposed of in the provided onsite dumpster.

29.0.16 This Subcontractor shall submit a site-specific safety plan before beginning work. A template will be provided by the Construction Manager at the pre-install meeting.

29.0.17 This Subcontractor shall submit SDS forms before beginning work.

29.0.18 This Subcontractor shall submit a QA/QC plan before beginning work. A template will be provided by the Construction Manager at the pre-install meeting.

29.0.19 All workers under this Subcontract shall attend a Samet Site Orientation meeting on their

first day on this project BEFORE beginning work. New workers should report to Samet staff upon arrival to the site.

- 29.0.20 This Subcontractor shall complete all Samet required safety and job reports DAILY by 9am. Electronic and hard copies of all needed forms will be supplied to this Subcontractor at the Pre-Install meeting. Forms will include a Daily Report and a Pre-Task Plan at a minimum with other safety forms submitted as required by daily activities.
- 29.0.21 This Subcontractor shall reference scope clarification drawings included in the trade scope manual for specific directions on additions and deletions regarding this Scope of Work.
- 29.0.22 Labor and material prices are guaranteed through the duration of the project. Escalation costs are prohibited. The contract price shall not be increased for any coordination work related to conflict resolution, miscellaneous or incidental items required for the work to meet the intent of the Owner, architect's and engineer's design, the Contract Documents, plans, or specifications.
- 29.0.23 Maintenance of controlled access zones and fall protection as required by OSHA, for the safety of the Subcontractor's employees or others during the Work is included. This Subcontractor to provide any barricades, caution tape, spotters, and/or safety equipment necessary to protect the public, employees, and the property.
- 29.0.24 Subcontractor shall have a qualified foreman and/or superintendent onsite at all times during the performance of the Work and be capable of directing crews. This individual must be fluent in written and spoken English and be reasonably acceptable to the Contractor as a supervisor. The Subcontractor's onsite foreman and/or superintendent shall always be equipped with a cellular telephone during working hours and provide the Contractor with Emergency Contact Information for non-working hours.
- 29.0.25 Subcontractor shall be responsible to coordinate and work with each other to eliminate conflicts during the installation of the Work. No change orders will be accepted by the Contractor for relocation and/or replacement of the Work due to the Subcontractor's lack of coordination in performing their respective scopes of work.
- 29.0.26 Manufactured items shall be installed in strict accordance with the manufacturer's printed directions, specifications and/or recommendations for installation of highest quality. All working parts shall be properly adjusted after installation and left in new working order.
- 29.0.27 Temporary electricity supplied by the Electrical Contractor will include minimal wattage single phase for small electric hand tools and basic construction temporary lighting only in accordance with OSHA guidelines. Any specific power requirements for welding, task lighting or other operations are to be provided by this Subcontractor.
- 29.0.28 If temporary "task" lighting is required to complete the Subcontractor's work, then the

Trade Subcontractor requiring the temporary “task” lighting in order to complete its work shall provide its own temporary lighting at its own expense.

- 29.0.29 All stored materials must be protected from moisture, temperature, weather elements, theft, and vandalism, and stored at locations as not to interfere with the performance of other subcontractors. Any damages or theft resulting from the storing of materials are the responsibility of the Subcontractor. Re-handling of onsite materials that interfere with the work of other subcontractors shall be at no cost to the Contractor.
- 29.0.30 Each Subcontractor will remove all excess materials from the site at the time work has been completed. Failure to do so the General Contractor will give the Subcontractor a 24-hour notice at the end of this 24 hours the General Contractor will make arrangements to have the material removed. This work and the supervision of this work will be at the cost of this Subcontractor.
- 29.0.31 This Subcontractor shall be responsible for cold and hot weather protection as required to perform the Work so not to delay the Project Construction Schedule.
- 29.0.32 Each Trade Subcontractor shall be responsible for notifying the City Inspectors and/or County Inspectors and/or State Inspectors when their services or inspections are required. Expedite notification to ensure proper lead-time. The Trade Subcontractor shall notify the General Contractor in writing twenty-four (24) hours prior to any inspection.
- 29.0.33 This Subcontractor is responsible for all Contract Documents for this project. No allowance will be made for lack of knowledge of other subcontractors’ work or existing conditions required in connection with HVAC, plumbing, electrical and other Subcontractors, including Owner furnished equipment.
- 29.0.34 Subcontractors entitlement to additional overhead and profit as a result of such changes, if any, shall not exceed a combined total of fifteen percent (15%) of the value of the Work to be self-performed.



**—OTHER SCHEDULE SUMMARY INFORMATION—**

The Substantial Completion date for the Fire Suppression Subcontractor is as reflected within the Construction Schedule. Special attention should be directed to the Construction Schedule for project sequencing requirements which are a requirement of this Scope of Work. Reference Schedule Milestone Table extracted from the Project Schedule below for other specifics related to this Scope of Work.

<b>SCHEDULE MILESTONE TABLE</b>		
ACTIVITY NO.	ACTIVITY DESCRIPTION	COMPLETION DATE OR DURATION
BB1105	Burn Building – Fire Protection Standpipe and branch lines	5 days
A8850	Training Tower – Fire Protection Standpipe and branch lines	5 days
PC1040	Final Approval – C of O	8/24/2026

**—ALTERNATES—**

Each alternate designated below has been separated into the following three categories:

- “Accepted” – Alternate was accepted by General Contractor and the dollar value for the alternate is included within the Subcontractor Amount.
- “Pending” – Alternate is pending award by General Contractor with the decision being deferred until the date defined within each applicable Alternate. This cost is NOT included in the Subcontractor Amount.
- “Declined” – Alternate was NOT accepted by General Contractor and the dollar value for the alternate is NOT included within the Subcontractor Amount. By declining the alternate, all requirements applicable thereof are deleted from the contract documents.

<b>ALTERNATES</b>			
ALTERNATE NO.	ALTERNATE DESCRIPTION	VALUE	STATUS
P1	Payment and performance bond		pending

If requested, the cost of the Performance and Payment Bonds (amount as provided) will be reimbursed to the Subcontractor based on the following revised contract revision noted below:

Subcontractor shall provide Performance and Payment Bonds, if required, each with a penal amount equal to 100% of the Subcontract Amount, on forms acceptable to the General Contractor. The premium for these bonds shall be paid by Subcontractor and the cost thereof shall be invoiced separately to the General Contractor based on the Subcontractor providing an actual paid receipt from its surety agent. The value of the Performance and Payment bond in all cases shall not be more than the Subcontractor’s bid alternate amount submitted for these bonds. If the bond(s) value is more than the bid amount submitted for these bonds, the Subcontractor shall pay the difference to its surety agent at its cost.

**END OF SECTION**  
**TRADE PACKAGE SCOPE OF WORK:**  
**21A FIRE SUPPRESSION SUBCONTRACT**



## **TRADE PACKAGE SCOPE OF WORK**

### **22A PLUMBING SUBCONTRACT**

Furnish all labor, materials, tools, taxes, safety, insurances, equipment, hoisting, cranes, supervision, and all other incidentals necessary to accomplish all **Plumbing** Work in accordance with all Contract Documents and as defined within **Trade Package General Scope Requirements** and this Scope of Work.

**Subcontractors/Suppliers performing work on multiple portions of the project site (i.e., buildings, parking area, site, etc.) shall provide separate equipment, hoisting, cranes, supervision including, but not limited to management, superintendent, foreman, tradesman, laborers, etc. for each portion unless agreed to otherwise in writing by the General Contractor. If the project needs and schedule are not being met to the satisfaction of the General Contractor, written approval will be rescinded, and the original staffing requirements shall be provided by the Subcontractor.**

Project Specifications for the Plumbing Scope of Work are listed below. This Subcontractor or Supplier shall carefully examine all specification sections and drawings within the Contract Documents and be responsible for all work described within this Scope of Work and as required on the project.

### **PROJECT SPECIFICATIONS**

This Subcontractor is responsible for all Division 1 - General Requirements as listed below prepared by the Architect, Design Consultants, and/or General Contractor or as designated elsewhere within the Technical Specifications or Drawings as applicable to this Trade Package Scope of Work.

<b>DIVISION 1 – GENERAL REQUIREMENTS</b>	
<b>GC Req.</b>	<b>General Requirements Manual</b>
<b>GC Req.</b>	<b>Trade Package Scope Manual</b>
<b>GC Req.</b>	<b>Trade Package General Scope Requirements</b>

### **Primary Responsibility**

**This Subcontractor is responsible for all Primary Specification Responsibilities listed below unless this Scope of Work specifically states otherwise.**

<b>PRIMARY TECHNICAL SPECIFICATION RESPONSIBILITIES (PROJECT MANUAL)</b>	
	<b>Specifications are included on the Drawings</b>
220210	Plumbing Summary of Work
220510	Plumbing Basic Requirements
220511	Electrical Provisions for Plumbing Work
220517	Sleeves and Sleeve Seals for Plumbing Piping
220529	Plumbing Hangers and Supports
220553	Plumbing Painting and Identification
220596	Water Heating Systems Commissioning



220700	Plumbing Insulation
221113	Facility Water Distribution Piping
221116	Domestic Water Distribution Piping
221313	Facility Sanitary Sewers
221316	Sanitary Waste and Vent Piping
223300	Electric Domestic Water Heaters
224000	Plumbing Fixtures

### **Secondary Responsibility**

**This Subcontractor is responsible for all Secondary Specification Responsibilities listed below to the extent applicable, or defined, within this Scope of Work.**

SECONDARY TECHNICAL SPECIFICATION RESPONSIBILITIES	
	<b>Specifications are included on the Drawings</b>
033000	Cast-in-Place Concrete
092216	Non-Structural Metal Framing
092900	Gypsum Board

### **Primary Responsibility**

**This Subcontractor is responsible for all Primary Specification Responsibilities listed below unless this Scope of Work specifically states otherwise.**

PRIMARY TECHNICAL SPECIFICATION RESPONSIBILITIES (DRAWINGS)		
DRAWING NO.	DRAWING NAME	SPECIFIC ITEM
BID DOCUMENTS	ALL DRAWINGS	This Subcontractor shall furnish and install a complete turnkey of Work for <b>BP-22A Plumbing</b> , per the Contract Documents to include, but not limited to: including all accessories and incidentals for a complete job with no exceptions.  This Subcontractor shall coordinate with other trades as applicable to complete this Scope of Work including
All	All	Subcontractor owns all drawings and notes as it relates to the scope. The items listed below are intended to add clarification. Notes or drawings not included below does not alleviate the subcontractor from ownership.
All	Notes, General Notes, Key Notes, and specifications	All notes/specs and items as it relates to items to be coordinated with other trades.

The Plumbing Subcontractor shall be responsible for complying with the requirements of each Scope of Work Description / Clarification Section listed below, **even if** those requirements are not shown within the Specification Sections listed above.

This Subcontractor shall be responsible for all Primary Specification Responsibilities identified above in their entirety. All costs associated with Primary Specification Responsibilities shall be included in this Subcontractor's Scope of Work and reflected in bid amount.

This Subcontractor shall be at least partially responsible for Secondary Specification Responsibilities identified above. The Secondary Specifications identify work scopes for which this Subcontractor is not wholly responsible but shall be applicable as it relates to the execution of Primary Specification Responsibilities. This may include a varying degree of responsibility from simple coordination to performing entire portions of work. The Secondary Specifications are not intended to be all inclusive and shall not limit the Subcontractor in any way with regards to installation of work identified in Primary Specification Responsibilities.

The Plumbing Subcontractor is responsible for all Work described herein and below unless specifically noted otherwise.

## **22.0 PLUMBING SCOPE OF WORK DESCRIPTION**

- 22.0.1 This Provide all labor, materials, equipment and services necessary to complete all plumbing work in accordance with the contract documents to provide a complete and operational plumbing system, including but not limited to sanitary sewer and vent piping, domestic water piping, storm drainage piping, gas piping, water heaters, water coolers, fixtures, equipment, accessories, blocking, sleeving, hangers, supports, carriers and sealants related to plumbing scope or work, fire and smoke stopping related to plumbing scope, roof drains, floor drains and grates, core drilling as required, roof and wall penetrations and block-outs, coordination of all elevations and inverts to allow proper flow and drainage, concrete bases, metal supports and anchorages, and all grouting as required to provide a complete and operational plumbing system.
- 22.0.2 All sanitary and water piping shall be installed per contract documents and extending a minimum of five (5) feet beyond the building envelope. All coordination regarding the for connection to the sanitary sewer, storm sewer and domestic water connection with the Utility Contractor and Construction Manager.
- 22.0.3 Subcontractor is responsible for all permits associated with this scope of work. Inspections to be coordinated with the appropriate county and town officials and communicated to the Construction Manager.
- 22.0.4 Provide all washed stone backfill in all pipe trenches. Place all trench spoils outside the building in a location designated by the Construction Manager (location may vary per phase). Spoils shall be removed by others.
- 22.0.5 Provide all necessary excavation, backfill and compaction for Underground work for this scope of work. This Trade Contractor is responsible to stockpile spoils (to be removed by

others) associated with slab prep of this Trade Contractors materials on-site in a location designated by the Construction Manager.

- 22.0.6 Subcontractor to provide full and complete smoke piping system in training tower.
- 22.0.7 Subcontractor to provide all plumbing piping, supports, attachments, and accessories associated with the drafting pit. BP-03A to perform concrete work and BP-05A to provide non plumbing misc metals.
- 22.0.8 Provide all electric water heaters and packaged water heater skid assemblies. Provide all water heater controls including but not limited to timers, aqua stats, tanks, wiring, motor starters, and components required to provide a complete and operational system. Connection and integration to the Building Automation System (BAS) will be provided by the HVAC Contractor.
- 22.0.9 Provide all hot-water recirculation pumps and domestic water circulation/booster pumps as required, including any integral disconnects, motor starters, or variable frequency drives.
- 22.0.10 Provide all water to HVAC systems required, including backflow protectors.
- 22.0.11 Provide all plumbing insulation. No piping insulation is to be installed until piping has been tested. Provide such additional valves and other fittings to allow testing to commence to meet the project schedule. This Trade Contractor shall manage and coordinate all thermal insulation work for materials and equipment provided under this scope of work. All insulation materials, adhesives, sealants, factory applied jackets, tapes and corner angles.
- 22.0.12 Provide all lavatory insulation kits, guards, and ADA compliant covers.
- 22.0.13 Provide all blocking as required to accommodate the plumbing scope of work. Layout of penetrations in walls and ceilings to be coordinated with Construction Manager and Drywall Contractors
- 22.0.14 Elevation of all drains shall be confirmed to ensure proper locations prior to the pouring of concrete to ensure positive drainage into all floor drains.
- 22.0.15 Provide all fittings required for the complete installation of the plumbing systems as required by the coordination drawing process whether or not such fittings were shown on the bidding documents.
- 22.0.16 Provide all sleeves (including layout) required for this scope of work. This Trade Contractor shall be responsible for any coring, cutting or patching required for the installation of your work. Provide sealants at all penetrations required in the performance of this work. The integrity of fire, smoke, and sound walls shall be maintained. Provide all, fire, smoke & non-rated sleeving & fire caulking as required. Trade Contractor shall be responsible for all

sealants associated with material installed under this scope of work specifically including all fixtures.

- 22.0.17 Furnish access panels, to be installed by others, as required for access to your work. Access panels shall be fire rated if required by the assembly into which they are to be installed. Access panels shall be purchased from a common supplier by all trades so that the panels match.
- 22.0.18 Provide all stenciling and labeling, and valve-tagging of all piping systems provided by this scope of work.
- 22.0.19 This Trade Contractor shall flush, chlorinate, prepare, and test the entire water system prior to Substantial Completion and within the timeframe directed by the Construction Manager.
- 22.0.20 Rod, snake, and clean all floor drains prior to building turnover.
- 22.0.21 Provide a temporary water system in each phase consisting of a cold water drop and hose bibb. Piping shall be insulated.
- 22.0.22 Provide for temporary use of Plumbing Systems during construction, before substantial completion of phases. Provide service and maintenance of the equipment until the project is accepted and turned over to the Owner. Include extended manufacturer's warranties on equipment that is put into service prior to Owner acceptance.
- 22.0.23 This Trade Contractor shall provide all equipment, device and component phenolic labels for all for all items provided under this scope of work. Label nomenclature shall be coordinated with BAS and Electrical Contractors for consistency across trade disciplines.
- 22.0.24 This Trade Contractor shall furnish and install all permanent and/or temporary blank off isolation fittings, flanges, valves and other items as required to complete pressure testing requirements for all Plumbing Systems and piping installed under this scope of work.
- 22.0.25 Subcontractor to follow BIM Execution Plan including attending coordination meeting, clash detection efforts, conflict resolution, progress As-Builts and Final As-Builts.
- 22.0.26 This Trade Contractor shall include factory certified start-up personnel and submit Installation Verification Reports, Pre-functional Start-up Reports, Functional Performance Test Reports and other Commissioning related reports in compliance with the Commissioning Specifications requirements for all work and equipment furnished under this scope of work

## **29.0 SCOPE OF WORK CLARIFICATIONS AND/OR OTHER REQUIREMENTS**

- 29.0.1 The intent of this section is to clarify the assignment of the Trade Work, and not to alter or

change the specifications and design requirements.

- 29.0.2 All correspondence and/or communication must be directed through General Contractor. All construction directives must come through General Contractor. Do NOT contact the Owner, Owner Consultant, or Architect directly without the consent of General Contractor.
- 29.0.3 The scope items listed in this Exhibit are to be used only as a guide and in no way limits the Scope of Work to those items listed.
- 29.0.4 It is recognized and understood that this Subcontractor was selected for their expertise and knowledge of this specialized work, and it is expected that the subcontractor did and has included in their scope of work all items and quality control required to carry out the intent of the Contract Documents to completion.
- 29.0.5 This Subcontractor shall provide, but not limited to the following items which may or may not be clearly defined in the Contract Documents as being within the Scope of Work of this Subcontract Agreement: standards, certifications, testing, cleaning, inspecting, field quality control, close-out procedures, labels, field measurements and verifications, coordination with other trades, shop drawings and submittals, as-built drawings (PDF set), operating and maintenance instruction manuals, etc.
- 29.0.6 Each Subcontractor is responsible for inspecting the work that precedes its work and reporting any deficiencies which will affect its work to the Contractor prior to commencing with the new work. Once the new work has been installed over preceding work, the Contractor shall consider this action as the Subcontractor installing the new work as acceptance of all preceding work.
- 29.0.7 In cases where Division One Specifications contain conflicting information with Documents made a part of this Subcontract, the provisions, terms, conditions, etc. the more stringent shall take precedence.
- 29.0.8 Subcontractor shall be responsible for all freight, delivery, equipment, loading, unloading, rigging, and hoisting, as required to perform this Work. All costs associated with delivery of materials and equipment to perform the Scope of Work is included.
- 29.0.9 Extra Materials – This work shall include providing extra materials (attic stock) as specified.
- 29.0.10 Multiple mobilizations will be required for the completion of this Scope of Work. No additional compensation will be provided for multiple mobilization requirements. Samet will make every effort to limit the number of mobilizations. Roof installation will be based upon the construction schedule.
- 29.0.11 This Subcontractor shall NOT include the cost for their Payment and Performance Bonds in their bid amount, however if requested by the General Contractor, this Subcontractor shall



provide a Performance and Payment Bond at Cost if awarded the Subcontract.

- 29.0.12 It is understood there may be utilities (new or existing), equipment, or other trades potentially in the way during operations performed by this Subcontractor. This Subcontractor agrees to coordinate as necessary to work around all obstacles to meet the requirements of the schedule.
- 29.0.13 The project site shall be open for subcontractor work from 7:00am-5:00pm, Monday-Friday, unless otherwise directed by the Construction Manager. The site will be open on Saturdays and Sundays for make-up days only on a pre-approved basis. No work, deliveries, pickups, or subcontractor presence shall be allowed outside of normal site hours without prior approval from the Construction Management Team. Note that the availability of Samet supervisory coverage may impact this approval process.
- 29.0.14 This Subcontractor will be responsible for all required cleanup of their excess materials and equipment on a daily basis. This Subcontractor is also responsible for protection of its work. All cost associated with this required cleanup and protection is to be included in their base proposal including but not limited to weather protection for all roofing work as needed to maintain the requirements of the Contract Documents.
- 29.0.15 While completing this Subcontractors Scope of Work, this Subcontractor is responsible for daily cleanup of their materials. All trash and debris generated by this Subcontractor should be disposed of in the provided onsite dumpster.
- 29.0.16 This Subcontractor shall submit a site-specific safety plan before beginning work. A template will be provided by the Construction Manager at the pre-install meeting.
- 29.0.17 This Subcontractor shall submit SDS forms before beginning work.
- 29.0.18 This Subcontractor shall submit a QA/QC plan before beginning work. A template will be provided by the Construction Manager at the pre-install meeting.
- 29.0.19 All workers under this Subcontract shall attend a Samet Site Orientation meeting on their first day on this project BEFORE beginning work. New workers should report to Samet staff upon arrival to the site.
- 29.0.20 This Subcontractor shall complete all Samet required safety and job reports DAILY by 9am. Electronic and hard copies of all needed forms will be supplied to this Subcontractor at the Pre-Install meeting. Forms will include a Daily Report and a Pre-Task Plan at a minimum with other safety forms submitted as required by daily activities.
- 29.0.21 This Subcontractor shall reference scope clarification drawings included in the trade scope manual for specific directions on additions and deletions regarding this Scope of Work.

- 29.0.22 Labor and material prices are guaranteed through the duration of the project. Escalation costs are prohibited. The contract price shall not be increased for any coordination work related to conflict resolution, miscellaneous or incidental items required for the work to meet the intent of the Owner, architect's and engineer's design, the Contract Documents, plans, or specifications.
- 29.0.23 Maintenance of controlled access zones and fall protection as required by OSHA, for the safety of the Subcontractor's employees or others during the Work is included. This Subcontractor to provide any barricades, caution tape, spotters, and/or safety equipment necessary to protect the public, employees, and the property.
- 29.0.24 Subcontractor shall have a qualified foreman and/or superintendent onsite at all times during the performance of the Work and be capable of directing crews. This individual must be fluent in written and spoken English and be reasonably acceptable to the Contractor as a supervisor. The Subcontractor's onsite foreman and/or superintendent shall always be equipped with a cellular telephone during working hours and provide the Contractor with Emergency Contact Information for non-working hours.
- 29.0.25 Subcontractor shall be responsible to coordinate and work with each other to eliminate conflicts during the installation of the Work. No change orders will be accepted by the Contractor for relocation and/or replacement of the Work due to the Subcontractor's lack of coordination in performing their respective scopes of work.
- 29.0.26 Manufactured items shall be installed in strict accordance with the manufacturer's printed directions, specifications and/or recommendations for installation of highest quality. All working parts shall be properly adjusted after installation and left in new working order.
- 29.0.27 Temporary electricity supplied by the Electrical Contractor will include minimal wattage single phase for small electric hand tools and basic construction temporary lighting only in accordance with OSHA guidelines. Any specific power requirements for welding, task lighting or other operations are to be provided by this Subcontractor.
- 29.0.28 If temporary "task" lighting is required to complete the Subcontractor's work, then the Trade Subcontractor requiring the temporary "task" lighting in order to complete its work shall provide its own temporary lighting at its own expense.
- 29.0.29 All stored materials must be protected from moisture, temperature, weather elements, theft, and vandalism, and stored at locations as not to interfere with the performance of other subcontractors. Any damages or theft resulting from the storing of materials are the responsibility of the Subcontractor. Re-handling of onsite materials that interfere with the work of other subcontractors shall be at no cost to the Contractor.
- 29.0.30 Each Subcontractor will remove all excess materials from the site at the time work has been completed. Failure to do so the General Contractor will give the Subcontractor a 24-hour

notice at the end of this 24 hours the General Contractor will make arrangements to have the material removed. This work and the supervision of this work will be at the cost of this Subcontractor.

29.0.31 This Subcontractor shall be responsible for cold and hot weather protection as required to perform the Work so not to delay the Project Construction Schedule.

29.0.32 Each Trade Subcontractor shall be responsible for notifying the City Inspectors and/or County Inspectors and/or State Inspectors when their services or inspections are required. Expedite notification to ensure proper lead-time. The Trade Subcontractor shall notify the General Contractor in writing twenty-four (24) hours prior to any inspection.

29.0.33 This Subcontractor is responsible for all Contract Documents for this project. No allowance will be made for lack of knowledge of other subcontractors' work or existing conditions required in connection with HVAC, plumbing, electrical and other Subcontractors, including Owner furnished equipment.

29.0.34 Subcontractors entitlement to additional overhead and profit as a result of such changes, if any, shall not exceed a combined total of fifteen percent (15%) of the value of the Work to be self-performed.

**—OTHER SCHEDULE SUMMARY INFORMATION—**

The Substantial Completion date for the Plumbing Subcontractor is as reflected within the Construction Schedule. Special attention should be directed to the Construction Schedule for project sequencing requirements which are a requirement of this Scope of Work. Reference Schedule Milestone Table extracted from the Project Schedule below for other specifics related to this Scope of Work.

SCHEDULE MILESTONE TABLE		
ACTIVITY NO.	ACTIVITY DESCRIPTION	COMPLETION DATE OR DURATION
A8680	MEP Underground	5 days
A8710	MEP Rough	10 days
A8730	MEP Devices and Fixtures and Finishes	10 days



**—UNIT PRICES—**

To the extent that some or all of the Subcontractor's Work is to be performed on a unit price basis, the Subcontract Amount shall be computed in accordance with the unit prices set forth below. Unit prices are deemed to include all costs related to Subcontractor's performance of the Work, including, but not limited to, costs of labor, supervision, services, materials, equipment, tools, scaffolds, hoisting, transportation, storage, insurance, and taxes, and all overhead and profit. Quantities shall be measured by means acceptable to Owner, General Contractor and Subcontractor, and if applicable, an independent testing firm hired by Owner.

UNIT PRICES			
UNIT NO.	UNIT PRICE DESCRIPTION	UNIT PRICE	UNIT MEASURE
L1	Journeymen Rate		hour
L2	Foreman Rate		hour

**—ALTERNATES—**

Each alternate designated below has been separated into the following three categories:

- "Accepted" – Alternate was accepted by General Contractor and the dollar value for the alternate is included within the Subcontractor Amount.
- "Pending" – Alternate is pending award by General Contractor with the decision being deferred until the date defined within each applicable Alternate. This cost is NOT included in the Subcontractor Amount.
- "Declined" – Alternate was NOT accepted by General Contractor and the dollar value for the alternate is NOT included within the Subcontractor Amount. By declining the alternate, all requirements applicable thereof are deleted from the contract documents.

ALTERNATES			
ALTERNATE NO.	ALTERNATE DESCRIPTION	VALUE	STATUS
P1	Payment and Performance Bond		Pending

If requested, the cost of the Performance and Payment Bonds (amount as provided) will be reimbursed to the Subcontractor based on the following revised contract revision noted below:

Subcontractor shall provide Performance and Payment Bonds, if required, each with a penal amount equal to 100% of the Subcontract Amount, on forms acceptable to the General Contractor. The premium for these bonds shall be paid by Subcontractor and the cost thereof shall be invoiced separately to the General Contractor based on the Subcontractor providing an actual paid receipt from its surety agent. The value of the Performance and Payment bond in all cases shall not be more than the Subcontractor's bid alternate amount submitted for these bonds. If the bond(s) value is more than the bid amount submitted for these bonds, the Subcontractor shall pay the difference to its surety agent at its cost.

**END OF SECTION  
TRADE PACKAGE SCOPE OF WORK:**



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**22A PLUMBING SUBCONTRACT**

## **TRADE PACKAGE SCOPE OF WORK**

### **23A MECHANICAL SUBCONTRACT**

Furnish all labor, materials, tools, taxes, safety, insurances, equipment, hoisting, cranes, supervision, and all other incidentals necessary to accomplish all **Mechanical** Work in accordance with all Contract Documents and as defined within **Trade Package General Scope Requirements** and this Scope of Work.

**Subcontractors/Suppliers performing work on multiple portions of the project site (i.e., buildings, parking area, site, etc.) shall provide separate equipment, hoisting, cranes, supervision including, but not limited to management, superintendent, foreman, tradesman, laborers, etc. for each portion unless agreed to otherwise in writing by the General Contractor. If the project needs and schedule are not being met to the satisfaction of the General Contractor, written approval will be rescinded, and the original staffing requirements shall be provided by the Subcontractor.**

Project Specifications for the Mechanical Scope of Work are listed below. This Subcontractor or Supplier shall carefully examine all specification sections and drawings within the Contract Documents and be responsible for all work described within this Scope of Work and as required on the project.

### **PROJECT SPECIFICATIONS**

This Subcontractor is responsible for all Division 1 - General Requirements as listed below prepared by the Architect, Design Consultants, and/or General Contractor or as designated elsewhere within the Technical Specifications or Drawings as applicable to this Trade Package Scope of Work.

<b>DIVISION 1 – GENERAL REQUIREMENTS</b>	
<b>GC Req.</b>	<b>General Requirements Manual</b>
<b>GC Req.</b>	<b>Trade Package Scope Manual</b>
<b>GC Req.</b>	<b>Trade Package General Scope Requirements</b>

### **Primary Responsibility**

**This Subcontractor is responsible for all Primary Specification Responsibilities listed below unless this Scope of Work specifically states otherwise.**

<b>PRIMARY TECHNICAL SPECIFICATION RESPONSIBILITIES (PROJECT MANUAL)</b>	
	<b>Specifications are included on the Drawings</b>
230210	HVAC Summary of Work
230510	HVAC Basic Requirements
230511	Electrical Provisions for HVAC Work
230513	Electrical Motors for HVAC Equipment
230517	Sleeves and Sleeve Seals for HVAC Piping
230521	HVAC Piping Specialties
230529	Hangers and Supports for Piping, Ductwork, and Equipment





230548	HVAC Vibration Control
230553	HVAC Painting and Identification
230593	HVAC Testing, Adjusting, and Balance
230596	HVAC Systems Commissioning
230719	HVAC Piping Insulation
230913	Instrumentation and Control Devices for HVAC
230923	Direct Digital Control Systems for HVAC
233100	HVAC Ductwork
233300	Air Duct Accessories
233423	HVAC Power Ventilators
233713	Diffusers, Registers, and Grilles
235543	Unfired Unit Heaters
238116	Ductless Split System Air-Conditioning Units

### **Primary Responsibility**

**This Subcontractor is responsible for all Primary Specification Responsibilities listed below unless this Scope of Work specifically states otherwise.**

<b>PRIMARY TECHNICAL SPECIFICATION RESPONSIBILITIES (DRAWINGS)</b>		
<b>DRAWING NO.</b>	<b>DRAWING NAME</b>	<b>SPECIFIC ITEM</b>
BID DOCUMENTS	ALL DRAWINGS	<p>This Subcontractor shall furnish and install a complete turnkey of Work for <b>BP-23A</b>, per the Contract Documents to include, but not limited to: including all accessories and incidentals for a complete job with no exceptions.</p> <p>This Subcontractor shall coordinate with other trades as applicable to complete this Scope of Work including</p>
All	All	Subcontractor owns all drawings and notes as it relates to the scope. The items listed below are intended to add clarification. Notes or drawings not included below does not alleviate the subcontractor from ownership.
All	Notes, General Notes, Key Notes, and specifications	All notes/specs and items as it relates to items to be coordinated with other trades.

The Mechanical Subcontractor shall be responsible for complying with the requirements of each Scope of Work Description / Clarification Section listed below, **even if** those requirements are not shown within the Specification Sections listed above.

This Subcontractor shall be responsible for all Primary Specification Responsibilities identified above in their entirety. All costs associated with Primary Specification Responsibilities shall be included in this

Subcontractor's Scope of Work and reflected in bid amount.

This Subcontractor shall be at least partially responsible for Secondary Specification Responsibilities identified above. The Secondary Specifications identify work scopes for which this Subcontractor is not wholly responsible but shall be applicable as it relates to the execution of Primary Specification Responsibilities. This may include a varying degree of responsibility from simple coordination to performing entire portions of work. The Secondary Specifications are not intended to be all inclusive and shall not limit the Subcontractor in any way with regards to installation of work identified in Primary Specification Responsibilities.

The Mechanical Subcontractor is responsible for all Work described herein and below unless specifically noted otherwise.

### **23.0 HEATING, VENTILATING, AND AIR CONDITIONING SCOPE OF WORK DESCRIPTION**

- 23.0.0 Provide all labor, materials, equipment and services necessary to complete all mechanical, HVAC, and controls scope of work in accordance with the plans and specifications to provide a complete and operational system.
- 23.0.0 Any reference to "Mechanical Contractor" or "HVAC Contractor" shall be defined as this Trade Contractor.
- 23.0.01 Provide all HVAC equipment required to provide a complete and operational HVAC system including all but not limited to pumps, chillers, condensing boilers, unit ventilators, unit heaters, air terminal units, hydronic pumps, exhaust fans, water treatment, etc. to provide a complete and operational system as intended pursuant to the design.
- 23.0.02 This Trade Contractor shall provide all but not limited to piping, duct, fittings necessary to terminate all ducted & piped HVAC equipment including thimbles, stacks, flex joints, offsets, sealant, gaskets, valves (temporary & permanent) venting, condensate, welding, etc. and all other interrelated items required to provide a complete and functional HVAC system.
- 23.0.03 Provide all disconnects and starters indicated in the mechanical equipment schedules and accessories and furnish to the electrical contractor for installation.
- 23.0.04 This Trade Contractor shall be responsible for all welding associated with this scope of work such as pipe welding, etc.
- 23.0.05 Provide all thermal insulation required for this scope of work, including all piping and

duct insulation. No insulation is to be installed until piping or ductwork has been tested. Provide such additional valves and other fittings to allow testing to commence to meet the project schedule.

- 23.0.06 Provide all various dampers including, fire, smoke & fire / smoke dampers required at floor penetrations or rated wall assemblies regardless if shown on construction documents or not as required by the Authority
- 23.0.07 Provide all core drilling required for new pipe penetrations through concrete or CMU.
- 23.0.08 Provide all fire caulking required. Work is to be performed to meet aesthetic standards based on exposure.
- 23.0.09 All ductwork openings and ends shall be covered with self-adhesive plastic wrap during construction and at the end of each day to prevent accumulation of dust and debris within the ductwork system. All installed and stored ductwork shall be inspected daily for rips, tears or missing protective wrap and shall be replaced daily where deficiencies exist.
- 23.0.010 Provide all balancing dampers necessary to properly complete all Testing, Adjusting, and Balancing.
- 23.0.011 Install duct mounted heat and smoke detectors (provided by others). Duct detectors shall be furnished by the Fire Alarm Contractor and installed by the HVAC Contractor in an accessible location.
- 23.0.012 This Subcontractor shall coordinate box-out framing with the drywall, steel, concrete, and masonry Trade Contractors as applicable.
- 23.0.013 Provide saw-cutting and removal of roof deck at all new ductwork penetrations. Include safety protection/hole covers for mechanical work related holes in the slabs.
- 23.0.014 Provide access doors in ductwork, and supply all access panels, to be installed by others, as required for access to your work. Access panels shall be fire rated if required by the assembly into which they are to be installed. Access panels shall be purchased from a common supplier by all trades so that the panels match.
- 23.0.015 Coordinate all roof penetrations in advance with the Construction Manager and Roofing Contractor to ensure water-tightness is maintained.

- 23.0.016 Provide all fittings required for the complete installation of the mechanical and HVAC systems as required by the coordination drawing process whether or not such fittings were shown on the bidding documents.
- 23.0.017 Take note of building access and make provisions to ensure that equipment will fit through permanent doorways and/or structure. Coordinate this work with the Construction Manager and other trades.
- 23.0.018 Provide all vibration isolation, seismic restraints, equipment supports, and inertia bases, including concrete. Grout equipment bases as indicated or required. Furnish all required anchor bolts and/or inserts in equipment pads for anchorage of equipment, installation of anchor bolts will be by Others. Furnish shop drawings indicating pad size, location of items to be embedded and location of pad from established control lines.
- 23.0.019 Provide all means of support and attachments to the structure for mechanical and HVAC work, including any trapeze hangers to clear ductwork or other interferences.
- 23.0.020 Provide all auxiliary condensate pans, condensate high-level alarms, and alarms, float switches, and devices as required in Contract Documents.
- 23.0.021 Provide all condensate drainage piping from equipment connection to designated discharge point, including splash blocks as required. Provide condensate pumps where required due to elevation differences.
- 23.0.022 No extra compensation will be paid for relocating any duct, pipe, conduit, or other material that has been installed without proper coordination between all trades involved. If any improperly coordinated work or work installed that is not in accordance with the approved coordination drawings necessitates additional work by the other trades, the costs of all such additional work shall be borne solely by the Trade Contractor(s) responsible.
- 23.0.023 This Subcontractor shall provide all sleeving, angle, firesafing, caulking and sealant associated with the penetrations for this work scope. Integrity of fire, smoke and sound rated assemblies must be maintained. This Trade Contractor shall be responsible for any coring, cutting or patching required for the installation of your work.
- 23.0.024 Paint or provide factory finished materials for the inside of grilles, return plenums,

and/or duct as required.

- 23.0.025 This Trade Contractor shall coordinate with the Plumbing Contractor and provide all domestic hot water circulating pump controls.
- 23.0.026 Furnish the building water metering device to the Plumbing Contractor for installation. Provide all wiring, terminations, and programming required to connect to the Building Automation System.
- 23.0.027 It shall be the responsibility of this Trade Contractor to provide a complete Building Controls system including all control devices. The work shall include all required programming needed to assure the system correctly interfaces with any equipment manufacturer-provided controls. The HVAC Trade Contractor shall coordinate the Controls work with the fire alarm system and provide the necessary interfaces, available points, etc. to accommodate the fire/life safety systems. The scope shall also provide all necessary raceway, conductors, cabling, termination points, boxes, etc. needed to provide a complete installation. 120v power to each controller shall be provided by others. Provide all necessary control wiring, etc. required for the operation and function of the HVAC and in conjunction with the Building Management System & DDC system provided by this Trade Contractor.
- 23.0.028 This Trade Contractor shall coordinate the locations of all thermostats and other control devices with wall-mounted items on the Architectural drawings (casework, visual display boards, etc) prior to installation. Notify the Construction Manager of any discrepancies prior to beginning rough-in for each project phase.
- 23.0.029 This Subcontractor shall coordinate and provide if necessary any auxiliary contacts required for their systems to operate in conjunction with equipment furnished by the work of this bid package and that of others.
- 23.0.030 Provide all piping system testing, flushing, and chemical treatment required.
- 23.0.031 Service and maintain the HVAC equipment for temporary conditioned air requirements as stipulated by the Construction Manger until accepted and turned over to the Owner. All warranties shall start from the time of substantial completion as indicated in the contract documents, not at the time of use for conditioned air requirements.
- 23.0.032 This Subcontractor shall provide a complete operational system prior to commissioning. Should any deficiencies be found in the original contract scope this

Subcontractor shall make the necessary corrections immediately and notify Samet in writing upon completion. Should the deficiencies be found a second time this Subcontractor shall bear all costs associated with the inefficiencies caused to others due to lack of performance by this Trade Contractor.

- 23.0.033 Provide, install, and maintain all temporary protection and filter media on all equipment requiring filters during startup, commissioning, and temporary use. Furnish and install final filters immediately prior to occupancy.
- 23.0.034 Provide all stenciling and labeling, and valve-tagging of all piping systems provided by this scope of work in accordance with the Contract Documents.
- 23.0.035 This Trade Contractor shall provide all permanent and/or temporary blank off isolation fittings, flanges, valves and other items as required to complete pressure testing requirements for all HVAC systems and piping installed.
- 23.0.036 The Trade Contractor shall coordinate and direct training personnel for the operation and maintenance of each equipment/system in accordance with detailed requirements found in the technical specifications. Coordinate training dates, durations, location and any recording or printed material

## **29.0 SCOPE OF WORK CLARIFICATIONS AND/OR OTHER REQUIREMENTS**

- 29.0.1 The intent of this section is to clarify the assignment of the Trade Work, and not to alter or change the specifications and design requirements.
- 29.0.2 All correspondence and/or communication must be directed through General Contractor. All construction directives must come through General Contractor. Do NOT contact the Owner, Owner Consultant, or Architect directly without the consent of General Contractor.
- 29.0.3 The scope items listed in this Exhibit are to be used only as a guide and in no way limits the Scope of Work to those items listed.
- 29.0.4 It is recognized and understood that this Subcontractor was selected for their expertise and knowledge of this specialized work, and it is expected that the subcontractor did and has included in their scope of work all items and quality control required to carry out the intent of the Contract Documents to completion.
- 29.0.5 This Subcontractor shall provide, but not limited to the following items which may or may not be clearly defined in the Contract Documents as being within the Scope of Work of this Subcontract Agreement: standards, certifications, testing, cleaning, inspecting, field quality control, close-out procedures, labels, field measurements and verifications, coordination



with other trades, shop drawings and submittals, as-built drawings (PDF set), operating and maintenance instruction manuals, etc.

- 29.0.6 Each Subcontractor is responsible for inspecting the work that precedes its work and reporting any deficiencies which will affect its work to the Contractor prior to commencing with the new work. Once the new work has been installed over preceding work, the Contractor shall consider this action as the Subcontractor installing the new work as acceptance of all preceding work.
- 29.0.7 In cases where Division One Specifications contain conflicting information with Documents made a part of this Subcontract, the provisions, terms, conditions, etc. the more stringent shall take precedence.
- 29.0.8 Subcontractor shall be responsible for all freight, delivery, equipment, loading, unloading, rigging, and hoisting, as required to perform this Work. All costs associated with delivery of materials and equipment to perform the Scope of Work is included.
- 29.0.9 Extra Materials – This work shall include providing extra materials (attic stock) as specified.
- 29.0.10 Multiple mobilizations will be required for the completion of this Scope of Work. No additional compensation will be provided for multiple mobilization requirements. Samet will make every effort to limit the number of mobilizations. Roof installation will be based upon the construction schedule.
- 29.0.11 This Subcontractor shall NOT include the cost for their Payment and Performance Bonds in their bid amount, however if requested by the General Contractor, this Subcontractor shall provide a Performance and Payment Bond at Cost if awarded the Subcontract.
- 29.0.12 It is understood there may be utilities (new or existing), equipment, or other trades potentially in the way during operations performed by this Subcontractor. This Subcontractor agrees to coordinate as necessary to work around all obstacles to meet the requirements of the schedule.
- 29.0.13 The project site shall be open for subcontractor work from 7:00am-5:00pm, Monday-Friday, unless otherwise directed by the Construction Manager. The site will be open on Saturdays and Sundays for make-up days only on a pre-approved basis. No work, deliveries, pickups, or subcontractor presence shall be allowed outside of normal site hours without prior approval from the Construction Management Team. Note that the availability of Samet supervisory coverage may impact this approval process.
- 29.0.14 This Subcontractor will be responsible for all required cleanup of their excess materials and equipment on a daily basis. This Subcontractor is also responsible for protection of its work. All cost associated with this required cleanup and protection is to be included in their base proposal including but not limited to weather protection for all roofing work as needed to

maintain the requirements of the Contract Documents.

- 29.0.15 While completing this Subcontractors Scope of Work, this Subcontractor is responsible for daily cleanup of their materials. All trash and debris generated by this Subcontractor should be disposed of in the provided onsite dumpster.
- 29.0.16 This Subcontractor shall submit a site-specific safety plan before beginning work. A template will be provided by the Construction Manager at the pre-install meeting.
- 29.0.17 This Subcontractor shall submit SDS forms before beginning work.
- 29.0.18 This Subcontractor shall submit a QA/QC plan before beginning work. A template will be provided by the Construction Manager at the pre-install meeting.
- 29.0.19 All workers under this Subcontract shall attend a Samet Site Orientation meeting on their first day on this project BEFORE beginning work. New workers should report to Samet staff upon arrival to the site.
- 29.0.20 This Subcontractor shall complete all Samet required safety and job reports DAILY by 9am. Electronic and hard copies of all needed forms will be supplied to this Subcontractor at the Pre-Install meeting. Forms will include a Daily Report and a Pre-Task Plan at a minimum with other safety forms submitted as required by daily activities.
- 29.0.21 This Subcontractor shall reference scope clarification drawings included in the trade scope manual for specific directions on additions and deletions regarding this Scope of Work.
- 29.0.22 Labor and material prices are guaranteed through the duration of the project. Escalation costs are prohibited. The contract price shall not be increased for any coordination work related to conflict resolution, miscellaneous or incidental items required for the work to meet the intent of the Owner, architect's and engineer's design, the Contract Documents, plans, or specifications.
- 29.0.23 Maintenance of controlled access zones and fall protection as required by OSHA, for the safety of the Subcontractor's employees or others during the Work is included. This Subcontractor to provide any barricades, caution tape, spotters, and/or safety equipment necessary to protect the public, employees, and the property.
- 29.0.24 Subcontractor shall have a qualified foreman and/or superintendent onsite at all times during the performance of the Work and be capable of directing crews. This individual must be fluent in written and spoken English and be reasonably acceptable to the Contractor as a supervisor. The Subcontractor's onsite foreman and/or superintendent shall always be equipped with a cellular telephone during working hours and provide the Contractor with Emergency Contact Information for non-working hours.

- 29.0.25 Subcontractor shall be responsible to coordinate and work with each other to eliminate conflicts during the installation of the Work. No change orders will be accepted by the Contractor for relocation and/or replacement of the Work due to the Subcontractor's lack of coordination in performing their respective scopes of work.
- 29.0.26 Manufactured items shall be installed in strict accordance with the manufacturer's printed directions, specifications and/or recommendations for installation of highest quality. All working parts shall be properly adjusted after installation and left in new working order.
- 29.0.27 Temporary electricity supplied by the Electrical Contractor will include minimal wattage single phase for small electric hand tools and basic construction temporary lighting only in accordance with OSHA guidelines. Any specific power requirements for welding, task lighting or other operations are to be provided by this Subcontractor.
- 29.0.28 If temporary "task" lighting is required to complete the Subcontractor's work, then the Trade Subcontractor requiring the temporary "task" lighting in order to complete its work shall provide its own temporary lighting at its own expense.
- 29.0.29 All stored materials must be protected from moisture, temperature, weather elements, theft, and vandalism, and stored at locations as not to interfere with the performance of other subcontractors. Any damages or theft resulting from the storing of materials are the responsibility of the Subcontractor. Re-handling of onsite materials that interfere with the work of other subcontractors shall be at no cost to the Contractor.
- 29.0.30 Each Subcontractor will remove all excess materials from the site at the time work has been completed. Failure to do so the General Contractor will give the Subcontractor a 24-hour notice at the end of this 24 hours the General Contractor will make arrangements to have the material removed. This work and the supervision of this work will be at the cost of this Subcontractor.
- 29.0.31 This Subcontractor shall be responsible for cold and hot weather protection as required to perform the Work so not to delay the Project Construction Schedule.
- 29.0.32 Each Trade Subcontractor shall be responsible for notifying the City Inspectors and/or County Inspectors and/or State Inspectors when their services or inspections are required. Expedite notification to ensure proper lead-time. The Trade Subcontractor shall notify the General Contractor in writing twenty-four (24) hours prior to any inspection.
- 29.0.33 This Subcontractor is responsible for all Contract Documents for this project. No allowance will be made for lack of knowledge of other subcontractors' work or existing conditions required in connection with HVAC, plumbing, electrical and other Subcontractors, including Owner furnished equipment.
- 29.0.34 Subcontractors entitlement to additional overhead and profit as a result of such changes, if

any, shall not exceed a combined total of fifteen percent (15%) of the value of the Work to be self-performed.

**—OTHER SCHEDULE SUMMARY INFORMATION—**

The Substantial Completion date for the Mechanical Subcontractor is as reflected within the Construction Schedule. Special attention should be directed to the Construction Schedule for project sequencing requirements which are a requirement of this Scope of Work. Reference Schedule Milestone Table extracted from the Project Schedule below for other specifics related to this Scope of Work.

<b>SCHEDULE MILESTONE TABLE</b>		
ACTIVITY NO.	ACTIVITY DESCRIPTION	COMPLETION DATE OR DURATION
A8710	MEP Rough	10 days
A8760	Start-up/TAB/CX	10 days
PC1040	Final Approval – C of O	8/24/2026

**—ALTERNATES—**

Each alternate designated below has been separated into the following three categories:

- “Accepted” – Alternate was accepted by General Contractor and the dollar value for the alternate is included within the Subcontractor Amount.
- “Pending” – Alternate is pending award by General Contractor with the decision being deferred until the date defined within each applicable Alternate. This cost is NOT included in the Subcontractor Amount.
- “Declined” – Alternate was NOT accepted by General Contractor and the dollar value for the alternate is NOT included within the Subcontractor Amount. By declining the alternate, all requirements applicable thereof are deleted from the contract documents.

<b>ALTERNATES</b>			
ALTERNATE NO.	ALTERNATE DESCRIPTION	VALUE	STATUS
P1	Payment and performance bond		Pending

If requested, the cost of the Performance and Payment Bonds (amount as provided) will be reimbursed to the Subcontractor based on the following revised contract revision noted below:

Subcontractor shall provide Performance and Payment Bonds, if required, each with a penal amount equal to 100% of the Subcontract Amount, on forms acceptable to the General Contractor. The premium for these bonds shall be paid by Subcontractor and the cost thereof shall be invoiced separately to the General Contractor based on the Subcontractor providing an actual paid receipt from its surety agent. The value of the Performance and Payment bond in all cases shall not be more than the Subcontractor’s bid alternate amount submitted for these bonds. If the bond(s) value is more than the bid amount submitted for these bonds, the Subcontractor shall pay the difference to its surety agent at its cost.

**END OF SECTION**

**TRADE PACKAGE SCOPE OF WORK:  
23A MECHANICAL SUBCONTRACT**

## **TRADE PACKAGE SCOPE OF WORK**

### **26A - ELECTRICAL SUBCONTRACT**

Furnish all labor, materials, tools, taxes, safety, insurances, equipment, hoisting, cranes, supervision, and all other incidentals necessary to accomplish all **Electrical** Work in accordance with all Contract Documents and as defined within **Trade Package General Scope Requirements** and this Scope of Work.

**Subcontractors/Suppliers performing work on multiple portions of the project site (i.e., buildings, parking area, site, etc.) shall provide separate equipment, hoisting, cranes, supervision including, but not limited to management, superintendent, foreman, tradesman, laborers, etc. for each portion unless agreed to otherwise in writing by the General Contractor. If the project needs and schedule are not being met to the satisfaction of the General Contractor, written approval will be rescinded, and the original staffing requirements shall be provided by the Subcontractor.**

Project Specifications for the Electrical Scope of Work are listed below. This Subcontractor or Supplier shall carefully examine all specification sections and drawings within the Contract Documents and be responsible for all work described within this Scope of Work and as required on the project.

### **PROJECT SPECIFICATIONS**

This Subcontractor is responsible for all Division 1 - General Requirements as listed below prepared by the Architect, Design Consultants, and/or General Contractor or as designated elsewhere within the Technical Specifications or Drawings as applicable to this Trade Package Scope of Work.

<b>DIVISION 1 – GENERAL REQUIREMENTS</b>	
<b>GC Req.</b>	<b>General Requirements Manual</b>
<b>GC Req.</b>	<b>Trade Package Scope Manual</b>
<b>GC Req.</b>	<b>Trade Package General Scope Requirements</b>

### **Primary Responsibility**

**This Subcontractor is responsible for all Primary Specification Responsibilities listed below unless this Scope of Work specifically states otherwise.**

<b>PRIMARY TECHNICAL SPECIFICATION RESPONSIBILITIES (PROJECT MANUAL)</b>	
	<b>Specifications are included on the Drawings</b>
260000	Summary of Electrical Work
260500	Basic Electrical Requirements
260519	Secondary Voltage Wires and Cables
260526	Grounding
260529	Supporting Devices
260533	Electrical Identification
260534	Raceways



260535	Electrical Boxes and Fittings
260543	Underground Ducts and Raceways for Electrical Systems
260579	Temporary Power and Lighting
260584	Concrete Equipment Pads
260593	Electrical Connections for Equipment
260596	Lighting Systems Commissioning
260800	Testing and Placing in Service
260923	Lighting Control Devices
260924	Lighting Relay Panel
262200	Low Voltage Transformers
262416	Panelboards
262713	Electrical Metering Equipment
262726	Wiring Devices
262813	Fuses
265000	Lighting Fixtures

#### **Secondary Responsibility**

**This Subcontractor is responsible for all Secondary Specification Responsibilities listed below to the extent applicable, or defined, within this Scope of Work.**

<b>SECONDARY TECHNICAL SPECIFICATION RESPONSIBILITIES</b>	
	<b>Specifications are included on the Drawings</b>
220511	Electrical Provisions for Plumbing Work
223300	Electric Domestic Water Heaters
230511	Electrical Provisions for HVAC Work
230513	Electrical Motors for HVAC Equipment
270528	Telephone/Data Raceway System
272000	Telecommunications System

#### **Primary Responsibility**

**This Subcontractor is responsible for all Primary Specification Responsibilities listed below unless this Scope of Work specifically states otherwise.**

<b>PRIMARY TECHNICAL SPECIFICATION RESPONSIBILITIES (DRAWINGS)</b>		
<b>DRAWING NO.</b>	<b>DRAWING NAME</b>	<b>SPECIFIC ITEM</b>
BID DOCUMENTS	ALL DRAWINGS	This Subcontractor shall furnish and install a complete turnkey of Work for <b>BP-26A Electrical</b> , per the Contract Documents to include, but not limited to: including all accessories and incidentals for a complete job with no exceptions.





		This Subcontractor shall coordinate with other trades as applicable to complete this Scope of Work including
All	All	Subcontractor owns all drawings and notes as it relates to the scope. The items listed below are intended to add clarification. Notes or drawings not included below does not alleviate the subcontractor from ownership.
All	Notes, General Notes, Key Notes, and specifications	All notes/specs and items as it relates to items to be coordinated with other trades.

The Electrical Subcontractor shall be responsible for complying with the requirements of each Scope of Work Description / Clarification Section listed below, **even if** those requirements are not shown within the Specification Sections listed above.

This Subcontractor shall be responsible for all Primary Specification Responsibilities identified above in their entirety. All costs associated with Primary Specification Responsibilities shall be included in this Subcontractor's Scope of Work and reflected in bid amount.

This Subcontractor shall be at least partially responsible for Secondary Specification Responsibilities identified above. The Secondary Specifications identify work scopes for which this Subcontractor is not wholly responsible but shall be applicable as it relates to the execution of Primary Specification Responsibilities. This may include a varying degree of responsibility from simple coordination to performing entire portions of work. The Secondary Specifications are not intended to be all inclusive and shall not limit the Subcontractor in any way with regards to installation of work identified in Primary Specification Responsibilities.

The Electrical Subcontractor is responsible for all Work described herein and below unless specifically noted otherwise.

## **26.0 ELECTRICAL SCOPE OF WORK DESCRIPTION**

- 26.0.1 Provide all labor, materials, equipment and services necessary to complete all electrical, lighting, and fire alarm systems work for completely functional and operational systems.
- 26.0.2 Provide a complete and operational Power Distribution System including all but not limited to all gear, transformers, fuses, metering equipment, enclosures, switchboards, panelboards, circuit breakers, safety switches/disconnects, surge protection, and TVSS as required in the plans and specifications.
- 26.0.3 Provide Power System study and Arch Flash study as required.
- 26.0.4 Provide all electrical scope of work required to provide a complete and operational system

- including wire and cable, withstand ratings, cable accessories, splines, terminations, raceways, flashings, hanger and supports, identification, ground equipment, vertical supports, wireways, pull and junction boxes, outlet boxes, terminal cabinets, wiring devices, dimmers, switches, contactors, time clocks, and photoelectric control, etc. as required.
- 26.0.5 Verify and coordinate all receptacle, switch, fire-alarm device, and other box locations with Architectural plans/elevations prior to installation. Notify the Construction Manager in the event of any conflicts.
  - 26.0.6 Provide all raceway, wiring, and final electrical connections to all mechanical/HVAC, plumbing, kitchen, appliances, bathroom accessories, folding partitions, overhead doors, and Owner-furnished equipment and fixtures required. Provide all 120V power and above to all equipment, components and devices whether provided by this Trade Contractor or others.
  - 26.0.7 Provide all means of support and attachments to the structure for electrical work, including any trapeze hangers to clear ductwork or other interferences.
  - 26.0.8 Provide all disconnects and starters required.
  - 26.0.9 Provide EPO switches as required for equipment
  - 26.0.10 Provide installation of Variable Speed Controllers or VFDs that are provided by BP-23A
  - 26.0.11 This Trade Contractor shall coordinate the location of the Building Automation System (BAS) power receptacles with the BAS Contractor prior to installation of the circuits.
  - 26.0.12 Provide power and termination to all hardware related power supplies, including automatic door operators, electrified door hardware, magnetic door holders, etc.
  - 26.0.13 Provide all grounding bars and grounding as required for the electrical system and telecommunications system, in accordance with the specifications for each system.
  - 26.0.14 Interior/Exterior/Building Lighting as scheduled, including lamps, ballasts, diming, photocells, daylight harvesting, and adjustment devices. Provide all occupancy type and room controls, common area controls, and master system controls.
  - 26.0.15 Provide light poles and light pole bases.
  - 26.0.16 Provide transformer pad.
  - 26.0.17 Provide all sweeps into and out of the transformer pad, the transformer pad, and all feeders from the secondary side of the transformer into the buildings. The primary service and transformer shall be provided by the Electric Utility Company. Provide conduit to transformer for demand meter, demand metering to be provided by Electric Utility Company and wired to

BAS by BP 23A. X-P2 transformer by BP-026A.

- 26.0.18 Provide construction mounting pads for electrical equipment
- 26.0.19 Provide all necessary excavation, backfill and compaction for Underground work for this scope of work. This Trade Contractor is responsible to stockpile spoils (to be removed by others) associated with slab prep of this Trade Contractors materials on-site in a location designated by the Construction Manager.
- 26.0.20 Provide all conduit, wiring, devices, terminations and programming required for monitoring of tamper switches on devices, including but not limited to post-indicator valves and valve assemblies inside heated cabinets, etc. into the fire alarm system regardless if the device(s) are shown on the Fire Alarm drawings or other construction drawings.
- 26.0.21 Provide/maintain/Remove Temporary lighting system during the construction phase per OSHA requirements.
- 26.0.22 Provide and maintain a construction power system and distribution within the building. Provide a service pole, meter cabinet, and lockable enclosure for placement on the site to house the temporary panelboards fed by transformer from Electric Utility Company. Provide temporary electric service to the Construction Manager's trailer and underground service into the building footprint to serve the construction power.
- 26.0.23 Move temporary electrical equipment/materials as necessary to accommodate the construction of new building elements, such as walls, ceilings, etc.
- 26.0.24 Provide all startup, testing, and certification of any equipment and/or scope related items by third party or certified manufacturer's representative, as required.
- 26.0.25 Provide all in-wall box rough-in and conduit to above ceiling for all thermostats. Turn out conduit into space for extension by BP 23A. All thermostat devices, wiring, and terminations by BP 23A.
- 26.0.26 Provide all sleeves (including layout) required for this scope of work. This Trade Contractor shall be responsible for any coring, cutting or patching required for the installation of your work.
- 26.0.27 This Trade Contractor shall provide sealants at all penetrations required in the performance of this work. The integrity of fire, smoke, and sound walls shall be maintained.
- 26.0.28 Provide access panels as required for access to your work. Access panels shall be fire rated if required by the assembly into which they are to be installed.
- 26.0.29 Provide all labeling and schedules of all electrical systems and equipment provided by this scope of work.

- 26.0.30 Include final cleaning of all light fixtures and provide replacement of any defective lamps and bulbs prior to turnover to Owner.

## **28.0 Data/Telecom/Safety and Security**

- 28.0.1 This Trade Contractor shall coordinate with the Structured Cable subcontractor and provide all Electrical required for all low voltage equipment, devices, and components requiring 120 volt and above including but not limited to security components, access control, CCTV components, telecom, data, intercom, public address, etc.
- 28.0.2 Provide all rough-in below and above ground such as pathways, raceways, conduits, cable trays, junction boxes, back boxes, hangers and supports for all low voltage (div 28) work such as telecom, data, security, and access control. Provide pull strings for all conduits/pathways. Wiring and equipment for those systems to be provided by bid package 27A.
- 28.0.3 Provide grounding and bonding for all Div 28 scope of work.
- 28.0.4 Provide pole mounted security cameras and raceway for fiber. Fiber by owner. Provide circuit and weatherproof enclosure for network switch (switch by owner).

## **29.0 SCOPE OF WORK CLARIFICATIONS AND/OR OTHER REQUIREMENTS**

- 29.0.1 The intent of this section is to clarify the assignment of the Trade Work, and not to alter or change the specifications and design requirements.
- 29.0.2 All correspondence and/or communication must be directed through General Contractor. All construction directives must come through General Contractor. Do NOT contact the Owner, Owner Consultant, or Architect directly without the consent of General Contractor.
- 29.0.3 The scope items listed in this Exhibit are to be used only as a guide and in no way limits the Scope of Work to those items listed.
- 29.0.4 It is recognized and understood that this Subcontractor was selected for their expertise and knowledge of this specialized work, and it is expected that the subcontractor did and has included in their scope of work all items and quality control required to carry out the intent of the Contract Documents to completion.
- 29.0.5 This Subcontractor shall provide, but not limited to the following items which may or may not be clearly defined in the Contract Documents as being within the Scope of Work of this Subcontract Agreement: standards, certifications, testing, cleaning, inspecting, field quality control, close-out procedures, labels, field measurements and verifications, coordination

with other trades, shop drawings and submittals, as-built drawings (PDF set), operating and maintenance instruction manuals, etc.

- 29.0.6 Each Subcontractor is responsible for inspecting the work that precedes its work and reporting any deficiencies which will affect its work to the Contractor prior to commencing with the new work. Once the new work has been installed over preceding work, the Contractor shall consider this action as the Subcontractor installing the new work as acceptance of all preceding work.
- 29.0.7 In cases where Division One Specifications contain conflicting information with Documents made a part of this Subcontract, the provisions, terms, conditions, etc. the more stringent shall take precedence.
- 29.0.8 Subcontractor shall be responsible for all freight, delivery, equipment, loading, unloading, rigging, and hoisting, as required to perform this Work. All costs associated with delivery of materials and equipment to perform the Scope of Work is included.
- 29.0.9 Extra Materials – This work shall include providing extra materials (attic stock) as specified.
- 29.0.10 Multiple mobilizations will be required for the completion of this Scope of Work. No additional compensation will be provided for multiple mobilization requirements. Samet will make every effort to limit the number of mobilizations. Roof installation will be based upon the construction schedule.
- 29.0.11 This Subcontractor shall NOT include the cost for their Payment and Performance Bonds in their bid amount, however if requested by the General Contractor, this Subcontractor shall provide a Performance and Payment Bond at Cost if awarded the Subcontract.
- 29.0.12 It is understood there may be utilities (new or existing), equipment, or other trades potentially in the way during operations performed by this Subcontractor. This Subcontractor agrees to coordinate as necessary to work around all obstacles to meet the requirements of the schedule.
- 29.0.13 The project site shall be open for subcontractor work from 7:00am-5:00pm, Monday-Friday, unless otherwise directed by the Construction Manager. The site will be open on Saturdays and Sundays for make-up days only on a pre-approved basis. No work, deliveries, pickups, or subcontractor presence shall be allowed outside of normal site hours without prior approval from the Construction Management Team. Note that the availability of Samet supervisory coverage may impact this approval process.
- 29.0.14 This Subcontractor will be responsible for all required cleanup of their excess materials and equipment on a daily basis. This Subcontractor is also responsible for protection of its work. All cost associated with this required cleanup and protection is to be included in their base proposal including but not limited to weather protection for all roofing work as needed to

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maintain the requirements of the Contract Documents.

- 29.0.15 While completing this Subcontractors Scope of Work, this Subcontractor is responsible for daily cleanup of their materials. All trash and debris generated by this Subcontractor should be disposed of in the provided onsite dumpster.
- 29.0.16 This Subcontractor shall submit a site-specific safety plan before beginning work. A template will be provided by the Construction Manager at the pre-install meeting.
- 29.0.17 This Subcontractor shall submit SDS forms before beginning work.
- 29.0.18 This Subcontractor shall submit a QA/QC plan before beginning work. A template will be provided by the Construction Manager at the pre-install meeting.
- 29.0.19 All workers under this Subcontract shall attend a Samet Site Orientation meeting on their first day on this project BEFORE beginning work. New workers should report to Samet staff upon arrival to the site.
- 29.0.20 This Subcontractor shall complete all Samet required safety and job reports DAILY by 9am. Electronic and hard copies of all needed forms will be supplied to this Subcontractor at the Pre-Install meeting. Forms will include a Daily Report and a Pre-Task Plan at a minimum with other safety forms submitted as required by daily activities.
- 29.0.21 This Subcontractor shall reference scope clarification drawings included in the trade scope manual for specific directions on additions and deletions regarding this Scope of Work.
- 29.0.22 Labor and material prices are guaranteed through the duration of the project. Escalation costs are prohibited. The contract price shall not be increased for any coordination work related to conflict resolution, miscellaneous or incidental items required for the work to meet the intent of the Owner, architect's and engineer's design, the Contract Documents, plans, or specifications.
- 29.0.23 Maintenance of controlled access zones and fall protection as required by OSHA, for the safety of the Subcontractor's employees or others during the Work is included. This Subcontractor to provide any barricades, caution tape, spotters, and/or safety equipment necessary to protect the public, employees, and the property.
- 29.0.24 Subcontractor shall have a qualified foreman and/or superintendent onsite at all times during the performance of the Work and be capable of directing crews. This individual must be fluent in written and spoken English and be reasonably acceptable to the Contractor as a supervisor. The Subcontractor's onsite foreman and/or superintendent shall always be equipped with a cellular telephone during working hours and provide the Contractor with Emergency Contact Information for non-working hours.



- 29.0.25 Subcontractor shall be responsible to coordinate and work with each other to eliminate conflicts during the installation of the Work. No change orders will be accepted by the Contractor for relocation and/or replacement of the Work due to the Subcontractor's lack of coordination in performing their respective scopes of work.
- 29.0.26 Manufactured items shall be installed in strict accordance with the manufacturer's printed directions, specifications and/or recommendations for installation of highest quality. All working parts shall be properly adjusted after installation and left in new working order.
- 29.0.27 Temporary electricity supplied by the Electrical Contractor will include minimal wattage single phase for small electric hand tools and basic construction temporary lighting only in accordance with OSHA guidelines. Any specific power requirements for welding, task lighting or other operations are to be provided by this Subcontractor.
- 29.0.28 If temporary "task" lighting is required to complete the Subcontractor's work, then the Trade Subcontractor requiring the temporary "task" lighting in order to complete its work shall provide its own temporary lighting at its own expense.
- 29.0.29 All stored materials must be protected from moisture, temperature, weather elements, theft, and vandalism, and stored at locations as not to interfere with the performance of other subcontractors. Any damages or theft resulting from the storing of materials are the responsibility of the Subcontractor. Re-handling of onsite materials that interfere with the work of other subcontractors shall be at no cost to the Contractor.
- 29.0.30 Each Subcontractor will remove all excess materials from the site at the time work has been completed. Failure to do so the General Contractor will give the Subcontractor a 24-hour notice at the end of this 24 hours the General Contractor will make arrangements to have the material removed. This work and the supervision of this work will be at the cost of this Subcontractor.
- 29.0.31 This Subcontractor shall be responsible for cold and hot weather protection as required to perform the Work so not to delay the Project Construction Schedule.
- 29.0.32 Each Trade Subcontractor shall be responsible for notifying the City Inspectors and/or County Inspectors and/or State Inspectors when their services or inspections are required. Expedite notification to ensure proper lead-time. The Trade Subcontractor shall notify the General Contractor in writing twenty-four (24) hours prior to any inspection.
- 29.0.33 This Subcontractor is responsible for all Contract Documents for this project. No allowance will be made for lack of knowledge of other subcontractors' work or existing conditions required in connection with HVAC, plumbing, electrical and other Subcontractors, including Owner furnished equipment.
- 29.0.34 Subcontractors entitlement to additional overhead and profit as a result of such changes, if

any, shall not exceed a combined total of fifteen percent (15%) of the value of the Work to be self-performed.

**—OTHER SCHEDULE SUMMARY INFORMATION—**

The Substantial Completion date for the Electrical Subcontractor is as reflected within the Construction Schedule. Special attention should be directed to the Construction Schedule for project sequencing requirements which are a requirement of this Scope of Work. Reference Schedule Milestone Table extracted from the Project Schedule below for other specifics related to this Scope of Work.

SCHEDULE MILESTONE TABLE		
ACTIVITY NO.	ACTIVITY DESCRIPTION	COMPLETION DATE OR DURATION
A8430	Site Utilities	45 days
A8600	Site Lighting	15 days
A8680	MEP Underground at shade structure	5 days
A8730	Remaining MEP Devices and finishes	20 days
A8760	Start-up/TAB/CX	10 days
PC1040	Final Approval – C of O	8/24/2026

**—UNIT PRICES—**

To the extent that some or all of the Subcontractor's Work is to be performed on a unit price basis, the Subcontract Amount shall be computed in accordance with the unit prices set forth below. Unit prices are deemed to include all costs related to Subcontractor's performance of the Work, including, but not limited to, costs of labor, supervision, services, materials, equipment, tools, scaffolds, hoisting, transportation, storage, insurance, and taxes, and all overhead and profit. Quantities shall be measured by means acceptable to Owner, General Contractor and Subcontractor, and if applicable, an independent testing firm hired by Owner.

UNIT PRICES			
UNIT NO.	UNIT PRICE DESCRIPTION	UNIT PRICE	UNIT MEASURE
L1	Journeymen Rate		Hour
L2	Foremen rate		Hour

**—ALTERNATES—**

Each alternate designated below has been separated into the following three categories:

- "Accepted" – Alternate was accepted by General Contractor and the dollar value for the alternate is included within the Subcontractor Amount.
- "Pending" – Alternate is pending award by General Contractor with the decision being deferred until the date defined within each applicable Alternate. This cost is NOT included in the Subcontractor Amount.



- “Declined” – Alternate was NOT accepted by General Contractor and the dollar value for the alternate is NOT included within the Subcontractor Amount. By declining the alternate, all requirements applicable thereof are deleted from the contract documents.

ALTERNATES			
ALTERNATE NO.	ALTERNATE DESCRIPTION	VALUE	STATUS
P1	Payment and performance bond		Pending

If requested, the cost of the Performance and Payment Bonds (amount as provided) will be reimbursed to the Subcontractor based on the following revised contract revision noted below:

Subcontractor shall provide Performance and Payment Bonds, if required, each with a penal amount equal to 100% of the Subcontract Amount, on forms acceptable to the General Contractor. The premium for these bonds shall be paid by Subcontractor and the cost thereof shall be invoiced separately to the General Contractor based on the Subcontractor providing an actual paid receipt from its surety agent. The value of the Performance and Payment bond in all cases shall not be more than the Subcontractor’s bid alternate amount submitted for these bonds. If the bond(s) value is more than the bid amount submitted for these bonds, the Subcontractor shall pay the difference to its surety agent at its cost. >

**END OF SECTION**  
**TRADE PACKAGE SCOPE OF WORK:**  
**BP-26A ELECTRICAL SUBCONTRACT**

## **TRADE PACKAGE SCOPE OF WORK**

### **27B STRUCTURED CABLING SUBCONTRACT**

Furnish all labor, materials, tools, taxes, safety, insurances, equipment, hoisting, cranes, supervision, and all other incidentals necessary to accomplish all **Structured Cabling** Work in accordance with all Contract Documents and as defined within **Trade Package General Scope Requirements** and this Scope of Work.

**Subcontractors/Suppliers performing work on multiple portions of the project site (i.e., buildings, parking area, site, etc.) shall provide separate equipment, hoisting, cranes, supervision including, but not limited to management, superintendent, foreman, tradesman, laborers, etc. for each portion unless agreed to otherwise in writing by the General Contractor. If the project needs and schedule are not being met to the satisfaction of the General Contractor, written approval will be rescinded, and the original staffing requirements shall be provided by the Subcontractor.**

Project Specifications for the Structured Cabling Scope of Work are listed below. This Subcontractor or Supplier shall carefully examine all specification sections and drawings within the Contract Documents and be responsible for all work described within this Scope of Work and as required on the project.

### **PROJECT SPECIFICATIONS**

This Subcontractor is responsible for all Division 1 - General Requirements as listed below prepared by the Architect, Design Consultants, and/or General Contractor or as designated elsewhere within the Technical Specifications or Drawings as applicable to this Trade Package Scope of Work.

DIVISION 1 – GENERAL REQUIREMENTS	
GC Req.	General Requirements Manual
GC Req.	Trade Package Scope Manual
GC Req.	Trade Package General Scope Requirements

### **Primary Responsibility**

**This Subcontractor is responsible for all Primary Specification Responsibilities listed below unless this Scope of Work specifically states otherwise.**

PRIMARY TECHNICAL SPECIFICATION RESPONSIBILITIES (PROJECT MANUAL)	
	Specifications are included on the Drawings
270528	Telephone/Data Raceway System
272000	Telecommunications Systems

### **Secondary Responsibility**

**This Subcontractor is responsible for all Secondary Specification Responsibilities listed below to the extent applicable, or defined, within this Scope of Work.**

SECONDARY TECHNICAL SPECIFICATION RESPONSIBILITIES	
	<b>Specifications are included on the Drawings</b>
282301	Security Systems

### **Primary Responsibility**

**This Subcontractor is responsible for all Primary Specification Responsibilities listed below unless this Scope of Work specifically states otherwise.**

PRIMARY TECHNICAL SPECIFICATION RESPONSIBILITIES (DRAWINGS)		
DRAWING NO.	DRAWING NAME	SPECIFIC ITEM
BID DOCUMENTS	ALL DRAWINGS	This Subcontractor shall furnish and install a complete turnkey of Work for <b>BP-27B Structured Cabling</b> , per the Contract Documents to include, but not limited to: including all accessories and incidentals for a complete job with no exceptions.  This Subcontractor shall coordinate with other trades as applicable to complete this Scope of Work including
All	All	Subcontractor owns all drawings and notes as it relates to the scope. The items listed below are intended to add clarification. Notes or drawings not included below does not alleviate the subcontractor from ownership.
All	Notes, General Notes, Key Notes, and specifications	All notes/specs and items as it relates to items to be coordinated with other trades.

The Structured Cabling Subcontractor shall be responsible for complying with the requirements of each Scope of Work Description / Clarification Section listed below, **even if** those requirements are not shown within the Specification Sections listed above.

This Subcontractor shall be responsible for all Primary Specification Responsibilities identified above in their entirety. All costs associated with Primary Specification Responsibilities shall be included in this Subcontractor's Scope of Work and reflected in bid amount.

This Subcontractor shall be at least partially responsible for Secondary Specification Responsibilities identified above. The Secondary Specifications identify work scopes for which this Subcontractor is not wholly responsible but shall be applicable as it relates to the execution of Primary Specification Responsibilities. This may include a varying degree of responsibility from simple coordination to performing entire portions of work. The Secondary Specifications are not intended to be all inclusive and shall not limit

the Subcontractor in any way with regards to installation of work identified in Primary Specification Responsibilities.

The Structured Cabling Subcontractor is responsible for all Work described herein and below unless specifically noted otherwise.

## **27.0 COMMUNICATIONS SCOPE OF WORK DESCRIPTION**

- 27.0.1 This Work shall include a complete telecommunications system including but not limited to security cabling system, fiber data, video surveillance system. Provide cabling, final connections to systems, alarms, owner training, permits, shop drawings, cleaning, labels, electrical materials, installation and operating instructions, equipment connections, where required, O & M Manuals, As Built Drawings, Certificates, firestopping conduit ends and sleeves, testing, commissioning, owner training, etc., as required to provide a complete functional system for this project.
- 27.0.2 Construction Reviews, Inspections, Testing and Commissioning - This Work shall include the review, inspection, testing and commissioning of all low voltage electrical systems provided as part of this Scope of Work.
- 27.0.3 This trade shall carefully examine all the contract documents for this project before submitting his bid. No allowance will be made for lack of knowledge of low voltage electrical work required in connection with electrical and other trades including owner furnished equipment.
- 27.0.4 This Work shall include providing all Site & Building Telecommunications & Structural Cabling work, not provided by the Site & Building Electrical, Fire Alarm, Security & Structural Cabling Subcontract (reference other work scopes).
- 27.0.5 All Cat6 UTP testing shall be conducted by this subcontractor
- 27.0.6 All optical cabling shall be Fiber Optic tested by this subcontractor
- 27.0.7 All labeling of work under this subcontract shall include but not be limited to conduit, tray, raceway, cabling, outlets/jacks, patch panels, racks, and IDF room ID
- 27.0.8 All cabling provided by this subcontract shall be splice free
- 27.0.9 Provide all termination racks complete including mountable and modular cabinets
- 27.0.10 Enclosures, racks, and all supporting elements including but not limited to cross members, backboards, Panduit, cable management systems shall be provided by this subcontractor
- 27.0.11 All surge protection at termination points shall be provided by this subcontractor



27.0.12 Telecommunications ductbank by BP-26A, all associated cabling, terminations, connections and testing to be performed by this subcontractor BP-27A.

27.0.13 Patch cords and active components provided and installed by WTCC. Devices/outlets to be provided by this subcontractor.

## **29.0 SCOPE OF WORK CLARIFICATIONS AND/OR OTHER REQUIREMENTS**

29.0.1 The intent of this section is to clarify the assignment of the Trade Work, and not to alter or change the specifications and design requirements.

29.0.2 All correspondence and/or communication must be directed through General Contractor. All construction directives must come through General Contractor. Do NOT contact the Owner, Owner Consultant, or Architect directly without the consent of General Contractor.

29.0.3 The scope items listed in this Exhibit are to be used only as a guide and in no way limits the Scope of Work to those items listed.

29.0.4 It is recognized and understood that this Subcontractor was selected for their expertise and knowledge of this specialized work, and it is expected that the subcontractor did and has included in their scope of work all items and quality control required to carry out the intent of the Contract Documents to completion.

29.0.5 This Subcontractor shall provide, but not limited to the following items which may or may not be clearly defined in the Contract Documents as being within the Scope of Work of this Subcontract Agreement: standards, certifications, testing, cleaning, inspecting, field quality control, close-out procedures, labels, field measurements and verifications, coordination with other trades, shop drawings and submittals, as-built drawings (PDF set), operating and maintenance instruction manuals, etc.

29.0.6 Each Subcontractor is responsible for inspecting the work that precedes its work and reporting any deficiencies which will affect its work to the Contractor prior to commencing with the new work. Once the new work has been installed over preceding work, the Contractor shall consider this action as the Subcontractor installing the new work as acceptance of all preceding work.

29.0.7 In cases where Division One Specifications contain conflicting information with Documents made a part of this Subcontract, the provisions, terms, conditions, etc. the more stringent shall take precedence.

29.0.8 Subcontractor shall be responsible for all freight, delivery, equipment, loading, unloading, rigging, and hoisting, as required to perform this Work. All costs associated with delivery of

materials and equipment to perform the Scope of Work is included.

- 29.0.9 Extra Materials – This work shall include providing extra materials (attic stock) as specified.
- 29.0.10 Multiple mobilizations will be required for the completion of this Scope of Work. No additional compensation will be provided for multiple mobilization requirements. Samet will make every effort to limit the number of mobilizations. Roof installation will be based upon the construction schedule.
- 29.0.11 This Subcontractor shall NOT include the cost for their Payment and Performance Bonds in their bid amount, however if requested by the General Contractor, this Subcontractor shall provide a Performance and Payment Bond at Cost if awarded the Subcontract.
- 29.0.12 It is understood there may be utilities (new or existing), equipment, or other trades potentially in the way during operations performed by this Subcontractor. This Subcontractor agrees to coordinate as necessary to work around all obstacles to meet the requirements of the schedule.
- 29.0.13 The project site shall be open for subcontractor work from 7:00am-5:00pm, Monday-Friday, unless otherwise directed by the Construction Manager. The site will be open on Saturdays and Sundays for make-up days only on a pre-approved basis. No work, deliveries, pickups, or subcontractor presence shall be allowed outside of normal site hours without prior approval from the Construction Management Team. Note that the availability of Samet supervisory coverage may impact this approval process.
- 29.0.14 This Subcontractor will be responsible for all required cleanup of their excess materials and equipment on a daily basis. This Subcontractor is also responsible for protection of its work. All cost associated with this required cleanup and protection is to be included in their base proposal including but not limited to weather protection for all roofing work as needed to maintain the requirements of the Contract Documents.
- 29.0.15 While completing this Subcontractors Scope of Work, this Subcontractor is responsible for daily cleanup of their materials. All trash and debris generated by this Subcontractor should be disposed of in the provided onsite dumpster.
- 29.0.16 This Subcontractor shall submit a site-specific safety plan before beginning work. A template will be provided by the Construction Manager at the pre-install meeting.
- 29.0.17 This Subcontractor shall submit SDS forms before beginning work.
- 29.0.18 This Subcontractor shall submit a QA/QC plan before beginning work. A template will be provided by the Construction Manager at the pre-install meeting.
- 29.0.19 All workers under this Subcontract shall attend a Samet Site Orientation meeting on their

first day on this project BEFORE beginning work. New workers should report to Samet staff upon arrival to the site.

- 29.0.20 This Subcontractor shall complete all Samet required safety and job reports DAILY by 9am. Electronic and hard copies of all needed forms will be supplied to this Subcontractor at the Pre-Install meeting. Forms will include a Daily Report and a Pre-Task Plan at a minimum with other safety forms submitted as required by daily activities.
- 29.0.21 This Subcontractor shall reference scope clarification drawings included in the trade scope manual for specific directions on additions and deletions regarding this Scope of Work.
- 29.0.22 Labor and material prices are guaranteed through the duration of the project. Escalation costs are prohibited. The contract price shall not be increased for any coordination work related to conflict resolution, miscellaneous or incidental items required for the work to meet the intent of the Owner, architect's and engineer's design, the Contract Documents, plans, or specifications.
- 29.0.23 Maintenance of controlled access zones and fall protection as required by OSHA, for the safety of the Subcontractor's employees or others during the Work is included. This Subcontractor to provide any barricades, caution tape, spotters, and/or safety equipment necessary to protect the public, employees, and the property.
- 29.0.24 Subcontractor shall have a qualified foreman and/or superintendent onsite at all times during the performance of the Work and be capable of directing crews. This individual must be fluent in written and spoken English and be reasonably acceptable to the Contractor as a supervisor. The Subcontractor's onsite foreman and/or superintendent shall always be equipped with a cellular telephone during working hours and provide the Contractor with Emergency Contact Information for non-working hours.
- 29.0.25 Subcontractor shall be responsible to coordinate and work with each other to eliminate conflicts during the installation of the Work. No change orders will be accepted by the Contractor for relocation and/or replacement of the Work due to the Subcontractor's lack of coordination in performing their respective scopes of work.
- 29.0.26 Manufactured items shall be installed in strict accordance with the manufacturer's printed directions, specifications and/or recommendations for installation of highest quality. All working parts shall be properly adjusted after installation and left in new working order.
- 29.0.27 Temporary electricity supplied by the Electrical Contractor will include minimal wattage single phase for small electric hand tools and basic construction temporary lighting only in accordance with OSHA guidelines. Any specific power requirements for welding, task lighting or other operations are to be provided by this Subcontractor.
- 29.0.28 If temporary "task" lighting is required to complete the Subcontractor's work, then the

Trade Subcontractor requiring the temporary “task” lighting in order to complete its work shall provide its own temporary lighting at its own expense.

- 29.0.29 All stored materials must be protected from moisture, temperature, weather elements, theft, and vandalism, and stored at locations as not to interfere with the performance of other subcontractors. Any damages or theft resulting from the storing of materials are the responsibility of the Subcontractor. Re-handling of onsite materials that interfere with the work of other subcontractors shall be at no cost to the Contractor.
- 29.0.30 Each Subcontractor will remove all excess materials from the site at the time work has been completed. Failure to do so the General Contractor will give the Subcontractor a 24-hour notice at the end of this 24 hours the General Contractor will make arrangements to have the material removed. This work and the supervision of this work will be at the cost of this Subcontractor.
- 29.0.31 This Subcontractor shall be responsible for cold and hot weather protection as required to perform the Work so not to delay the Project Construction Schedule.
- 29.0.32 Each Trade Subcontractor shall be responsible for notifying the City Inspectors and/or County Inspectors and/or State Inspectors when their services or inspections are required. Expedite notification to ensure proper lead-time. The Trade Subcontractor shall notify the General Contractor in writing twenty-four (24) hours prior to any inspection.
- 29.0.33 This Subcontractor is responsible for all Contract Documents for this project. No allowance will be made for lack of knowledge of other subcontractors’ work or existing conditions required in connection with HVAC, plumbing, electrical and other Subcontractors, including Owner furnished equipment.
- 29.0.34 Subcontractors entitlement to additional overhead and profit as a result of such changes, if any, shall not exceed a combined total of fifteen percent (15%) of the value of the Work to be self-performed.

**—OTHER SCHEDULE SUMMARY INFORMATION—**

The Substantial Completion date for the Structured Cabling Subcontractor is as reflected within the Construction Schedule. Special attention should be directed to the Construction Schedule for project sequencing requirements which are a requirement of this Scope of Work. Reference Schedule Milestone Table extracted from the Project Schedule below for other specifics related to this Scope of Work.

SCHEDULE MILESTONE TABLE		
ACTIVITY NO.	ACTIVITY DESCRIPTION	COMPLETION DATE OR DURATION
A8750	Set IT/Elec Equipment	5 days
PC1040	Final Approval – C of O	8/24/2026

**—ALTERNATES—**

Each alternate designated below has been separated into the following three categories:

- “Accepted” – Alternate was accepted by General Contractor and the dollar value for the alternate is included within the Subcontractor Amount.
- “Pending” – Alternate is pending award by General Contractor with the decision being deferred until the date defined within each applicable Alternate. This cost is NOT included in the Subcontractor Amount.
- “Declined” – Alternate was NOT accepted by General Contractor and the dollar value for the alternate is NOT included within the Subcontractor Amount. By declining the alternate, all requirements applicable thereof are deleted from the contract documents.

ALTERNATES			
ALTERNATE NO.	ALTERNATE DESCRIPTION	VALUE	STATUS
P1	Payment and performance bonds		Pending

If requested, the cost of the Performance and Payment Bonds (amount as provided) will be reimbursed to the Subcontractor based on the following revised contract revision noted below:

Subcontractor shall provide Performance and Payment Bonds, if required, each with a penal amount equal to 100% of the Subcontract Amount, on forms acceptable to the General Contractor. The premium for these bonds shall be paid by Subcontractor and the cost thereof shall be invoiced separately to the General Contractor based on the Subcontractor providing an actual paid receipt from its surety agent. The value of the Performance and Payment bond in all cases shall not be more than the Subcontractor’s bid alternate amount submitted for these bonds. If the bond(s) value is more than the bid amount submitted for these bonds, the Subcontractor shall pay the difference to its surety agent at its cost.

**END OF SECTION**  
**TRADE PACKAGE SCOPE OF WORK:**  
**27B STRUCTURED CABLING SUBCONTRACT**

## **TRADE PACKAGE SCOPE OF WORK**

### **31A SITEWORK SUBCONTRACT**

Furnish all labor, materials, tools, taxes, safety, insurances, equipment, hoisting, cranes, supervision, and all other incidentals necessary to accomplish all **Sitework** Work in accordance with all Contract Documents and as defined within **Trade Package General Scope Requirements** and this Scope of Work.

**Subcontractors/Suppliers performing work on multiple portions of the project site (i.e., buildings, parking area, site, etc.) shall provide separate equipment, hoisting, cranes, supervision including, but not limited to management, superintendent, foreman, tradesman, laborers, etc. for each portion unless agreed to otherwise in writing by the General Contractor. If the project needs and schedule are not being met to the satisfaction of the General Contractor, written approval will be rescinded, and the original staffing requirements shall be provided by the Subcontractor.**

Project Specifications for the Sitework Scope of Work are listed below. This Subcontractor or Supplier shall carefully examine all specification sections and drawings within the Contract Documents and be responsible for all work described within this Scope of Work and as required on the project.

### **PROJECT SPECIFICATIONS**

This Subcontractor is responsible for all Division 1 - General Requirements as listed below prepared by the Architect, Design Consultants, and/or General Contractor or as designated elsewhere within the Technical Specifications or Drawings as applicable to this Trade Package Scope of Work.

<b>DIVISION 1 – GENERAL REQUIREMENTS</b>	
<b>GC Req.</b>	<b>General Requirements Manual</b>
<b>GC Req.</b>	<b>Trade Package Scope Manual</b>
<b>GC Req.</b>	<b>Trade Package General Scope Requirements</b>

### **Primary Responsibility**

**This Subcontractor is responsible for all Primary Specification Responsibilities listed below unless this Scope of Work specifically states otherwise.**

<b>PRIMARY TECHNICAL SPECIFICATION RESPONSIBILITIES (PROJECT MANUAL)</b>	
	<b>Specifications are included on the Drawings</b>
221113	Facility Water Distribution Piping
221116	Domestic Water Distribution Piping
221313	Facility Sanitary Sewers
311000	Site Clearing
312000	Earth Moving
321216	Asphalt Paving
321313	Concrete Paving





321723	Pavement Markings
330500	Common Work Results for Utilities
334100	Storm Utility Drainage Piping

#### **Secondary Responsibility**

**This Subcontractor is responsible for all Secondary Specification Responsibilities listed below to the extent applicable, or defined, within this Scope of Work.**

<b>SECONDARY TECHNICAL SPECIFICATION RESPONSIBILITIES</b>	
	<b>Specifications are included on the Drawings</b>
033000	Cast-in-Place Concrete
033000.01	Cast-in-place Concrete – Burn Building, Training Tower, and Drafting Pit
221316	Sanitary Waste and Vent Piping

#### **Primary Responsibility**

**This Subcontractor is responsible for all Primary Specification Responsibilities listed below unless this Scope of Work specifically states otherwise.**

<b>PRIMARY TECHNICAL SPECIFICATION RESPONSIBILITIES (DRAWINGS)</b>		
<b>DRAWING NO.</b>	<b>DRAWING NAME</b>	<b>SPECIFIC ITEM</b>
BID DOCUMENTS	ALL DRAWINGS	<p>This Subcontractor shall furnish and install a complete turnkey of Work for <b>BP-31A - Sitework</b>, per the Contract Documents to include, but not limited to: including all accessories and incidentals for a complete job with no exceptions.</p> <p>This Subcontractor shall coordinate with other trades as applicable to complete this Scope of Work including</p>

The Sitework Subcontractor shall be responsible for complying with the requirements of each Scope of Work Description / Clarification Section listed below, **even if** those requirements are not shown within the Specification Sections listed above.

This Subcontractor shall be responsible for all Primary Specification Responsibilities identified above in their entirety. All costs associated with Primary Specification Responsibilities shall be included in this Subcontractor's Scope of Work and reflected in bid amount.

This Subcontractor shall be at least partially responsible for Secondary Specification Responsibilities identified above. The Secondary Specifications identify work scopes for which this Subcontractor is not wholly responsible but shall be applicable as it relates to the execution of Primary Specification Responsibilities. This may include a varying degree of responsibility from simple coordination to performing entire portions of work. The Secondary Specifications are not intended to be all inclusive and shall not limit

the Subcontractor in any way with regards to installation of work identified in Primary Specification Responsibilities.

The Sitework Subcontractor is responsible for all Work described herein and below unless specifically noted otherwise to be part of another Subcontractor's Scope of Work. If for some reason an item of scope is included inadvertently in this scope of work and another trade package scope of work, this Subcontractor shall be responsible for including the subject scope of work within its base bid proposal regardless.

### **31.0 EARTHWORK SCOPE OF WORK DESCRIPTION**

- 31.0.1 This Subcontractor shall furnish all labor, supervision, equipment, transportation, and material necessary to complete the **BP-31A-Sitework** package.
- 31.0.2 Permits - As Applicable. This Subcontractor includes all equipment transport permits, traffic control, city permits, etc., if necessary, to bring any rigging, materials, equipment etc. The Subcontractor is responsible to obtain permits, licenses, pay fees, charges and obtain all necessary approvals in a timely fashion in order to maintain the schedule and progress of the Work, and in accordance with all legal requirements. The Building Permit will be paid by the Owner at no cost to the Trade Subcontractor(s).
- 31.0.3 This Subcontractor understands and agrees that all work is to be performed in accordance with sequencing, inspections, and approvals required by the local, state, and federal jurisdiction.
- 31.0.4 This Subcontractor shall provide complete turnkey erosion control and maintenance as required per the contract documents. This includes but is not limited to sediment barriers, silt fencing, baffles, gravel, silt ditch, matting, construction entrances, diversion swales, check dams, inlet protection, stone, skimmers, skimmer traps, silt-sacks, sediment traps, temporary slope drains, energy dissipaters, orange construction fencing, rip-rap, piping, flex piping, diversion berms, temporary seeding/mulching of ponds and site, filter fabric, posts, liners, pond kits, anti-float blocks, grading, excavation, mucking, risers, sediment cleanout, plantings etc. for a complete erosion and sediment control package. This Subcontractor shall be responsible for coordinating all requirements for NCDEQ and USACE, including all reporting as specified within the contract documents. Erosion control work is phased and requires approval by NCDEQ prior to beginning next phase. This agreement includes the continued maintenance for the duration of the project and removal of all devices upon acceptance by NCDEQ, Samet, design team and all governing authorities. This Subcontractor shall not be responsible for damages to the erosion control measures damaged by others.
- 31.0.5 This subcontract includes temporary storm drainage systems, as well as temporary drainage piping, drainage swales, etc. not shown on the drawings, but is required to facilitate a naturally draining site condition.
- 31.0.6 This Subcontractor shall complete construction and maintenance of work per sequence

outlined in contract documents. Any stop work-order issued due to improper erosion control measure due to fault of this Subcontractor will be the sole responsibility of this Subcontractor, including any fees for violations and recovery of lost time. Failures due to the design of the erosion control measures are not the responsibility of this Subcontractor. This Subcontractor shall endeavor to identify any concerns and/or potential failures to Samet, upon immediate recognition of concern.

- 31.0.7 This Subcontractor shall confirm the entire site is stabilized with respect to controlling erosion which includes the establishment of a satisfactory vegetative cover (i.e. grassing, etc.) at all disturbed site locations. All required erosion control measures shall be validated with a copy of the erosion control inspection by state authority prior to commencing with on site clearing, stripping, grading operations and maintain all erosion control measures throughout every phase of the project from the day the project is started to the day the project reaches final completion.
- 31.0.8 This subcontractors owns all site protections identified in project documents such as tree protection.
- 31.0.9 This Subcontractor shall be responsible for ensuring the driveways and roadways are kept free of mud and debris during the course of completing work required by this subcontract. Should mud, dirt, or debris be generated and deposited onto the adjacent roadways, this Subcontractor shall be responsible for removing the mud, dirt, or debris from the applicable roadway at its expense and to the satisfaction of the governing authorities and Samet Corporation. A water truck and/or water connection along with a pressure washer will be provided on site by this Subcontractor as needed to prevent mud or debris from making it into the roadway from all trades.
- 31.0.10 This Subcontractor shall provide its own traffic control including flagmen, signage, barricades, cones, barrels, etc. as required by all governing authorities when its work is being performed within a road right-of-way as part of this agreement. All ROW/road work is to be coordinated through the Construction Manager and NCDOT or Wendell for prior approval. This includes temporary signage for pedestrian and traffic control and detours.
- 31.0.11 This subcontractor shall provide (2) locations for temp water connections on site for use by the other trades. (1) on the west end of the site and another on the East end of the site. Locations of these water connections will be within 25' of a water source/main.
- 31.0.12 Furnish and install of (2) 30' telephone pole for mounting of site security cameras.
- 31.0.13 This subcontractor shall provide a temp access road and temp parking lot as shown on the project logistics plan. Installation, maintenance, and removal shall be included in this subcontractors base bid.
- 31.0.14 This subcontractor shall include an allowance in their base bid for the placement and

removal of 1000tn of stone above and beyond the previously listed temp access road and temp parking lot. Stone will be used for other temp roadways, parking, and pathways. To be used at CM's decision. Unused funds will be returned to the CM.

- 31.0.15 This Subcontractor shall verify existing contours are in conformance with the information reflected on the contract documents. Samet Corporation shall be notified in writing of the Subcontractor's acceptance or rejection of the existing topographical information prior to commencement of any mass grading operations. Failure to check the existing contours, etc. once the sitework mass grading operations begin, this Subcontractor shall forfeit the right to make any claim for existing conditions which may differ from those illustrated on the contract drawings. This agreement includes providing certified subgrade elevations prior to building construction and/or site construction.
- 31.0.16 This Subcontractor is responsible for turn-key surveying package including but not limited to all surveying, layout, grade staking, field engineering, etc. for this scope of work is included in this agreement. This Subcontractor shall be responsible for protection of staking and restoring the same if any stakes are damaged, removed, etc. at no additional cost to Contractor. This agreement includes providing certified as-builts for all surveying work completed by this subcontract.
- 31.0.17 This Subcontractor shall be responsible for all clearing and demolition work as required per the contract documents, including but not limited to clearing and grubbing of site. This Subcontractor is responsible for all clean-up and leaving area free of hazards. All debris shall be removed and disposed of properly off-site. No on-site burning will be allowed.
- 31.0.18 Earthwork – All earthwork and site grading work as required will be per the contract documents, including but not limited to all cutting and filling, rough grading, surface roughening, dust control measures, along with all water pumping and dewatering work as required for this scope of work to maintain the project schedule and complete this scope of work. This includes backfilling and grading where subgrade has been disturbed by this Trade. No changes to building or road elevations will be accepted to balance the site.
- 31.0.19 In all areas receiving fill materials, the soil shall be proof-rolled and approved by the Independent Testing Laboratory (ITL) prior to the placement of any fill material. All fill material is to be tested and compaction approved as the work is placed and completed.
- 31.0.20 This subcontract includes excavating, trenching, cutting, filling, compacting, and grading of all parking lots, retaining walls, ramps, sidewalks, aprons, curb & gutter, site concrete, exterior of building slabs, exterior of building structures, etc. as required per the contract documents.
- a) This subcontractor owns all grading/fine grading aside from the items listed below.
  - b) Fine grading of porous fill under concrete slabs by BP-03A.

- c) Fine grading of ~~ABS~~ ABC stone under heavy/light duty concrete paving by BP-32A
- d) Fine grading of ~~ABS~~ ABC stone under Asphalt & Curb/Gutter by BP-32C
- e) Fine grading of topsoil by BP-32E

31.0.21 This subcontractor shall perform all undercut of unsuitable soils, rock removal, and replacement with suitable borrow material as required on the project based on the third-party ITL field inspection(s) and reports. All unsuitable soils are to be disposed of onsite or offsite based on the direction of the Construction Manager/Design Team in conformance with the project documents and allowances. The third-party inspector and/or geotechnical consultant shall be the responsible party in determining whether materials are suitable or unsuitable. Prior to placement or borrow material, the third-party inspector shall verify said material meets contract document requirements.

31.0.22 When placing material courses included in this agreement, this Subcontractor shall be responsible for placement in lifts as specified within the contract documents. All necessary equipment and hand-tamping is included in this agreement.

31.0.23 Strip, screen, and stockpile all topsoil required for project. Place all topsoil as final grading is achieved and as directed by Construction Manager.

31.0.24 This Subcontractor understands and agrees that they are to remove net spoils that are generated by this Subcontractor off site. In the event that topsoil and/or dirt stockpiles are created by on this site, it is the responsibility of this Subcontractor to install and maintain erosion control measures, per NCDEQ standards of erosion control. This does not include stockpiles generated by other subcontractors, and/or erosion control measures necessary to maintain stockpiles generated by other subcontractors. Stockpile locations will be designated by the Samet Superintendent. This Subcontractor may remove and store topsoil off site to be used later, but it shall be coordinated prior to the removal offsite with the Samet Project Team and documented in writing

31.0.25 All removal and disposal of spoils generated by other trade contractors is included in this subcontract.

31.0.26 This Subcontractor shall provide complete and operable site utility services as required per the contract documents. This includes but is not limited to taps into existing structures, sub drains, drop inlets, RCP, PVC, and DIP, for a complete site utility package, including domestic water, FDC, sanitary, and storm utility services as required per the contract documents. This includes all accessory materials and components such as fittings, tees, bends, flanges, valves, sleeves, valve boxes, precast boxes & manholes, structures, plugs, pipe extensions, adapters, meter bases & setters, check-valves, bypasses, hot-boxes, grates, headwalls, manholes, inlets, rip-rap, clean-outs, hydrants, test-clock, thrust blocking, concrete, concrete cradles, masonry, concrete support, hardware, reducers, bypass valves, reduce pressure assemblies, piping, PIVs, bedding, stone, excavation, compaction, fill, backflow assemblies, blowoffs, connection to roof drain assemblies, PVC

boots, tapping sleeves, pits, heaters, tracing tape/wire, and all other necessary components for a complete installation. Any necessary concrete encasements, etc., including reinforcing steel for concrete work required within this Scope of Work and any cast-in-place concrete work associated with this Trades' scope of work is included in this agreement.

- 31.0.27 The domestic/fire water system piping installation shall be installed so that final connection location/inverts are provided to Samet Corporation to ensure that the domestic/fire water systems perform as designed.
- 31.0.28 All chlorination, bacteriological and pressure testing as required by contract documents and governing authorities is included in this agreement. It is the responsibility of this Subcontractor to provide all flushing certificates. Provide a copy of all such testing reports promptly to governing authorities and Samet Corporation.
- 31.0.29 This Subcontractor shall coordinate connection of services with other trades in order to provide complete operable systems. This subcontractor shall bring all owned utilities to within 5' of the buildings in which they serve. BP-021A Fire Protection and BP-022A shall take it from that point and into the buildings.
- 31.0.30 This Subcontractor shall schedule, with applicable local and state health officials and/or agencies, a final inspection of the water and fire water distribution systems no later than two (2) weeks prior to the time the system is to be put into operation. This Subcontractor shall have approved results of water tests, taken under this Subcontract, available for the officials/agencies upon arrival on-site. This Subcontractor shall provide Contractor's Material & Test Certificate to Samet Corporation upon successfully completing a fire water main flow test.
- 31.0.31 This subcontract includes a complete storm drainage system including all trench bedding, piping work, curb inlets and piping, grate inlets, drop inlets, storm drain outlet protection, permanent connections to existing storm drainage structures and piping, stone, where required. This includes concrete work applicable to the storm drainage system, head walls, concrete flared-end sections, rip-rap, diversion ditches, junction boxes, and associated temporary seeding for areas disturbed by this Scope of Work, where required, and any other incidentals which may be required for a completely functional storm drainage system as required per the contract documents.
- 31.0.32 Tops, Frames and Grates – This Work shall include all tops, steel frames and grates and hoods for each respective structure/manhole requiring a specific type of top and grate being provided as part of this Scope of Work. All tops, frames, grates, and hoods are to meet NCDOT requirements for water flow. This Subcontractor is responsible for confirming that the type of structures being provided meet the proper jurisdictional requirements.
- 31.0.33 Turn-Key Storm Drainage Maintenance and Cleaning – This Subcontractor shall perform



interim and final cleaning of storm drainage pipes, grate inlets, drop inlets, curb inlets, etc. and remove all mud and debris prior to final acceptance. This Subcontractor shall be responsible for the maintenance and final cleaning of storm drainage system until final project acceptance. This Subcontractor is responsible to test the lines to ensure that they are obstruction-free. This Subcontractor is to camera stormwater lines at the conclusion of the project and repair any damages as necessary at no additional cost to Contractor.

31.0.34 Stream crossing – This subcontractor shall perform this scope of work and associated crossing utilities in its entirety to complete the crossing per the contract documents, NCDOT, USACE, 404 and 401 permitting requirements and sequencing. This work includes but is not limited to erosion control, earth moving, stone, soil, concrete, culverts, Piping, utilities, structures, boxes, and drainage. Subcontractor shall carry in their base bid the temporary stream crossing identified on drawing D-102. Bridge matting may be an acceptable alternate to the detail if submitted and approved by the design team.

- A. Scope performed by other trades at this area;
  - 1. Electrical and conduit and structures
  - 2. Paving & curb and gutter

31.0.24

### **39.0 SCOPE OF WORK CLARIFICATIONS AND/OR OTHER REQUIREMENTS**

- 39.0.1 The intent of this section is to clarify the assignment of the Trade Work, and not to alter or change the specifications and design requirements.
- 39.0.2 All correspondence and/or communication must be directed through General Contractor. All construction directives must come through General Contractor. Do NOT contact the Owner, Owner Consultant, or Architect directly without the consent of General Contractor.
- 39.0.3 The scope items listed in this Exhibit are to be used only as a guide and in no way limits the Scope of Work to those items listed.
- 39.0.4 It is recognized and understood that this Subcontractor was selected for their expertise and knowledge of this specialized work, and it is expected that the subcontractor did and has included in their scope of work all items and quality control required to carry out the intent of the Contract Documents to completion.
- 39.0.5 This Subcontractor shall provide, but not limited to the following items which may or may not be clearly defined in the Contract Documents as being within the Scope of Work of this Subcontract Agreement: standards, certifications, testing, cleaning, inspecting, field quality control, close-out procedures, labels, field measurements and verifications, coordination with other trades, shop drawings and submittals, as-built drawings (PDF set), operating and maintenance instruction manuals, etc.

- 39.0.6 Each Subcontractor is responsible for inspecting the work that precedes its work and reporting any deficiencies which will affect its work to the Contractor prior to commencing with the new work. Once the new work has been installed over preceding work, the Contractor shall consider this action as the Subcontractor installing the new work as acceptance of all preceding work.
- 39.0.7 In cases where Division One Specifications contain conflicting information with Documents made a part of this Subcontract, the provisions, terms, conditions, etc. the more stringent shall take precedence.
- 39.0.8 Subcontractor shall be responsible for all freight, delivery, equipment, loading, unloading, rigging, and hoisting, as required to perform this Work. All costs associated with delivery of materials and equipment to perform the Scope of Work is included.
- 39.0.9 Extra Materials – This work shall include providing extra materials (attic stock) as specified.
- 39.0.10 Multiple mobilizations will be required for the completion of this Scope of Work. No additional compensation will be provided for multiple mobilization requirements. Samet will make every effort to limit the number of mobilizations. Roof installation will be based upon the construction schedule.
- 39.0.11 This Subcontractor shall NOT include the cost for their Payment and Performance Bonds in their bid amount, however if requested by the General Contractor, this Subcontractor shall provide a Performance and Payment Bond at Cost if awarded the Subcontract.
- 39.0.12 It is understood there may be utilities (new or existing), equipment, or other trades potentially in the way during operations performed by this Subcontractor. This Subcontractor agrees to coordinate as necessary to work around all obstacles to meet the requirements of the schedule.
- 39.0.13 The project site shall be open for subcontractor work from 7:00am-5:00pm, Monday-Friday, unless otherwise directed by the Construction Manager. The site will be open on Saturdays and Sundays for make-up days only on a pre-approved basis. No work, deliveries, pickups, or subcontractor presence shall be allowed outside of normal site hours without prior approval from the Construction Management Team. Note that the availability of Samet supervisory coverage may impact this approval process.
- 39.0.14 This Subcontractor will be responsible for all required cleanup of their excess materials and equipment on a daily basis. This Subcontractor is also responsible for protection of its work. All cost associated with this required cleanup and protection is to be included in their base proposal including but not limited to weather protection for all roofing work as needed to maintain the requirements of the Contract Documents.
- 39.0.15 While completing this Subcontractors Scope of Work, this Subcontractor is responsible for

daily cleanup of their materials. All trash and debris generated by this Subcontractor should be disposed of in the provided onsite dumpster.

- 39.0.16 This Subcontractor shall submit a site-specific safety plan before beginning work. A template will be provided by the Construction Manager at the pre-install meeting.
- 39.0.17 This Subcontractor shall submit SDS forms before beginning work.
- 39.0.18 This Subcontractor shall submit a QA/QC plan before beginning work. A template will be provided by the Construction Manager at the pre-install meeting.
- 39.0.19 All workers under this Subcontract shall attend a Samet Site Orientation meeting on their first day on this project BEFORE beginning work. New workers should report to Samet staff upon arrival to the site.
- 39.0.20 This Subcontractor shall complete all Samet required safety and job reports DAILY by 9am. Electronic and hard copies of all needed forms will be supplied to this Subcontractor at the Pre-Install meeting. Forms will include a Daily Report and a Pre-Task Plan at a minimum with other safety forms submitted as required by daily activities.
- 39.0.21 This Subcontractor shall reference scope clarification drawings included in the trade scope manual for specific directions on additions and deletions regarding this Scope of Work.
- 39.0.22 Labor and material prices are guaranteed through the duration of the project. Escalation costs are prohibited. The contract price shall not be increased for any coordination work related to conflict resolution, miscellaneous or incidental items required for the work to meet the intent of the Owner, architect's and engineer's design, the Contract Documents, plans, or specifications.
- 39.0.23 Maintenance of controlled access zones and fall protection as required by OSHA, for the safety of the Subcontractor's employees or others during the Work is included. This Subcontractor to provide any barricades, caution tape, spotters, and/or safety equipment necessary to protect the public, employees, and the property.
- 39.0.24 Subcontractor shall have a qualified foreman and/or superintendent onsite at all times during the performance of the Work and be capable of directing crews. This individual must be fluent in written and spoken English and be reasonably acceptable to the Contractor as a supervisor. The Subcontractor's onsite foreman and/or superintendent shall always be equipped with a cellular telephone during working hours and provide the Contractor with Emergency Contact Information for non-working hours.
- 39.0.25 Subcontractor shall be responsible to coordinate and work with each other to eliminate conflicts during the installation of the Work. No change orders will be accepted by the Contractor for relocation and/or replacement of the Work due to the Subcontractor's lack

of coordination in performing their respective scopes of work.

- 39.0.26 Manufactured items shall be installed in strict accordance with the manufacturer's printed directions, specifications and/or recommendations for installation of highest quality. All working parts shall be properly adjusted after installation and left in new working order.
- 39.0.27 Temporary electricity supplied by the Electrical Contractor will include minimal wattage single phase for small electric hand tools and basic construction temporary lighting only in accordance with OSHA guidelines. Any specific power requirements for welding, task lighting or other operations are to be provided by this Subcontractor.
- 39.0.28 If temporary "task" lighting is required to complete the Subcontractor's work, then the Trade Subcontractor requiring the temporary "task" lighting in order to complete its work shall provide its own temporary lighting at its own expense.
- 39.0.29 All stored materials must be protected from moisture, temperature, weather elements, theft, and vandalism, and stored at locations as not to interfere with the performance of other subcontractors. Any damages or theft resulting from the storing of materials are the responsibility of the Subcontractor. Re-handling of onsite materials that interfere with the work of other subcontractors shall be at no cost to the Contractor.
- 39.0.30 Each Subcontractor will remove all excess materials from the site at the time work has been completed. Failure to do so the General Contractor will give the Subcontractor a 24-hour notice at the end of this 24 hours the General Contractor will make arrangements to have the material removed. This work and the supervision of this work will be at the cost of this Subcontractor.
- 39.0.31 This Subcontractor shall be responsible for cold and hot weather protection as required to perform the Work so not to delay the Project Construction Schedule.
- 39.0.32 Each Trade Subcontractor shall be responsible for notifying the City Inspectors and/or County Inspectors and/or State Inspectors when their services or inspections are required. Expedite notification to ensure proper lead-time. The Trade Subcontractor shall notify the General Contractor in writing twenty-four (24) hours prior to any inspection.
- 39.0.33 This Subcontractor is responsible for all Contract Documents for this project. No allowance will be made for lack of knowledge of other subcontractors' work or existing conditions required in connection with HVAC, plumbing, electrical and other Subcontractors, including Owner furnished equipment.
- 39.0.34 Subcontractors entitlement to additional overhead and profit as a result of such changes, if any, shall not exceed a combined total of fifteen percent (15%) of the value of the Work to be self-performed.

**—OTHER SCHEDULE SUMMARY INFORMATION—**

The Substantial Completion date for the Sitework Subcontractor is as reflected within the Construction Schedule. Special attention should be directed to the Construction Schedule for project sequencing requirements which are a requirement of this Scope of Work. Reference Schedule Milestone Table extracted from the Project Schedule below for other specifics related to this Scope of Work.

<b>SCHEDULE MILESTONE TABLE</b>		
<b>ACTIVITY NO.</b>	<b>ACTIVITY DESCRIPTION</b>	<b>COMPLETION DATE OR DURATION</b>
A8380	Construction Entrance/Temp Stream Crossing/Erosion Control	15 days
A8390	Remaining Erosion Control Measures and Temp Diversions for Diversion pond	10 days
A8400	Diversion Pond	15 days
A8410	Remaining Tree Clearing and Site Grading	25 days
A8540	Permanent Stream Crossing with Utilities	10 days
A8550	Site Utilities (Sewer, Storm, Electric, Water at entrance road)	45 days
A8450	Prep Parking lot area	10 days
A8560	Install Site Water lines	20 days
PC1040	Final Approval – C of O	8/24/26



**—ALLOWANCES—**

Allowances shall cover the cost of all materials and equipment delivered at the site and all required taxes, less applicable trade discounts. Costs for unloading and handling at the site, labor, installation costs, overhead, profit and other expenses associated with stated allowance amounts shall be included in the Subcontract Amount but not in the allowances. Whenever costs are more than or less than an allowance amount, the Subcontract Amount shall be adjusted accordingly by Change Order. The amount of the Change Order shall reflect the difference between actual costs and the allowances.

<b>ALLOWANCES</b>		
<b>ALLOWANCE NO.</b>	<b>ALLOWANCE DESCRIPTION</b>	<b>AMOUNT</b>
Allowance No. A	Unsuitable Soil – On-Site Disposal and Backfill with On-Site Suitable Soils: 100 CY	
Allowance No. B	Unsuitable Soil – On-site disposal and Backfill with off Site Source Suitable Soils. 100 CY	
Allowance No. C	Unsuitable soil – Off-site disposal and Backfill with On-Site Source Suitable Soils: 50 CY	
Allowance No. D	Unsuitable Soil – Off-site disposal and Backfill with Off-Site Source Suitable Soils: 50 CY	
Allowance No. E	Unsuitable Trench Soil – On-site disposal and Backfill with On-Site Suitable Soils: 50 CY	
Allowance No. F	Unsuitable Trench Soil – On-Site Disposal and Backfill with Off Site Source Suitable Soils: 50 CY	
Allowance No. G	Unsuitable Trench Soil – Off-Site Disposal and Backfill With On-Site Source Suitable Soils: 50 CY	
Allowance No. H	Unsuitable Trench Soil – Off-Site Disposal and Backfill with Off-Site Source Suitable Soils: 50CY	
Allowance No. I	Stream Crossing – Off-Site Disposal and Backfill with Class B or Class A Rip-Rap: 500 CY	
Allowance No. J	Stream Crossing – Off-Site Disposal and Backfill with #4 and/or #57 Stone: 200 CY	
Allowance No K: Stream Crossing	Stream Crossing – Type 4 Geotextile Fabric: 1,500 SF	

**—UNIT PRICES—**

To the extent that some or all of the Subcontractor's Work is to be performed on a unit price basis, the Subcontract Amount shall be computed in accordance with the unit prices set forth below. Unit prices are deemed to include all costs related to Subcontractor's performance of the Work, including, but not limited to, costs of labor, supervision, services, materials, equipment, tools, scaffolds, hoisting, transportation, storage, insurance, and taxes, and all overhead and profit. Quantities shall be measured by means acceptable to Owner, General Contractor and Subcontractor, and if applicable, an independent testing firm hired by Owner.





UNIT PRICES			
UNIT NO.	UNIT PRICE DESCRIPTION	UNIT PRICE	UNIT MEASURE
Allowance No. A	Unsuitable Soil – On-Site Disposal and Backfill with On-Site Suitable Soils:		CY
Allowance No. B	Unsuitable Soil – On-site disposal and Backfill with off Site Source Suitable Soils.		CY
Allowance No. C	Unsuitable soil – Off-site disposal and Backfill with On-Site Source Suitable Soils:		CY
Allowance No. D	Unsuitable Soil – Off-site disposal and Backfill with Off-Site Source Suitable Soils:		CY
Allowance No. E	Unsuitable Trench Soil – On-site disposal and Backfill with On-Site Suitable Soils:		CY
Allowance No. F	Unsuitable Trench Soil – On-Site Disposal and Backfill with Off Site Source Suitable Soils:		CY
Allowance No. G	Unsuitable Trench Soil – Off-Site Disposal and Backfill With On-Site Source Suitable Soils:		CY
Allowance No. H	Unsuitable Trench Soil – Off-Site Disposal and Backfill with Off-Site Source Suitable Soils:		CY
Allowance No. I	Stream Crossing – Off-Site Disposal and Backfill with Class B or Class A Rip-Rap:		CY
Allowance No. J	Stream Crossing – Off-Site Disposal and Backfill with #4 and/or #57 Stone:		CY
Allowance No. K: Stream Crossing	Stream Crossing – Type 4 Geotextile Fabric:		SF
L1	Laborer Rate		Hr
L2	Operator Rate		Hr
L3	Foreman Rate		Hr

#### —ALTERNATES—

Each alternate designated below has been separated into the following three categories:

- “Accepted” – Alternate was accepted by General Contractor and the dollar value for the alternate is included within the Subcontractor Amount.
- “Pending” – Alternate is pending award by General Contractor with the decision being deferred until the date defined within each applicable Alternate. This cost is NOT included in the Subcontractor Amount.
- “Declined” – Alternate was NOT accepted by General Contractor and the dollar value for the alternate is NOT included within the Subcontractor Amount. By declining the alternate, all requirements applicable thereof are deleted from the contract documents.

ALTERNATES			
ALTERNATE NO.	ALTERNATE DESCRIPTION	VALUE	STATUS
P1	Payment and Performance Bond		Pending



If requested, the cost of the Performance and Payment Bonds (amount as provided) will be reimbursed to the Subcontractor based on the following revised contract revision noted below:

Subcontractor shall provide Performance and Payment Bonds, if required, each with a penal amount equal to 100% of the Subcontract Amount, on forms acceptable to the General Contractor. The premium for these bonds shall be paid by Subcontractor and the cost thereof shall be invoiced separately to the General Contractor based on the Subcontractor providing an actual paid receipt from its surety agent. The value of the Performance and Payment bond in all cases shall not be more than the Subcontractor's bid alternate amount submitted for these bonds. If the bond(s) value is more than the bid amount submitted for these bonds, the Subcontractor shall pay the difference to its surety agent at its cost.

**END OF SECTION**  
**TRADE PACKAGE SCOPE OF WORK:**  
**31A - SITEWORK SUBCONTRACT**

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**TRADE PACKAGE SCOPE OF WORK**

**31B SITE & ASPHALT PAVING SUBCONTRACT**

**Refer to BP-31A Sitework and BP 32C Asphalt Paving and Curb & Gutter– The combined scopes of work for both of those packages will represent the BP31B Scope of work.**

**END OF SECTION  
TRADE PACKAGE SCOPE OF WORK:  
31B SITE & ASPHALT PAVING SUBCONTRACT**

## **TRADE PACKAGE SCOPE OF WORK**

### **32D FENCING AND GATES SUBCONTRACT**

Furnish all labor, materials, tools, taxes, safety, insurances, equipment, hoisting, cranes, supervision, and all other incidentals necessary to accomplish all **Fencing and Gates** Work in accordance with all Contract Documents and as defined within **Trade Package General Scope Requirements** and this Scope of Work.

**Subcontractors/Suppliers performing work on multiple portions of the project site (i.e., buildings, parking area, site, etc.) shall provide separate equipment, hoisting, cranes, supervision including, but not limited to management, superintendent, foreman, tradesman, laborers, etc. for each portion unless agreed to otherwise in writing by the General Contractor. If the project needs and schedule are not being met to the satisfaction of the General Contractor, written approval will be rescinded, and the original staffing requirements shall be provided by the Subcontractor.**

Project Specifications for the Fencing and Gates Scope of Work are listed below. This Subcontractor or Supplier shall carefully examine all specification sections and drawings within the Contract Documents and be responsible for all work described within this Scope of Work and as required on the project.

### **PROJECT SPECIFICATIONS**

This Subcontractor is responsible for all Division 1 - General Requirements as listed below prepared by the Architect, Design Consultants, and/or General Contractor or as designated elsewhere within the Technical Specifications or Drawings as applicable to this Trade Package Scope of Work.

<b>DIVISION 1 – GENERAL REQUIREMENTS</b>	
<b>GC Req.</b>	<b>General Requirements Manual</b>
<b>GC Req.</b>	<b>Trade Package Scope Manual</b>
<b>GC Req.</b>	<b>Trade Package General Scope Requirements</b>

### **Primary Responsibility**

**This Subcontractor is responsible for all Primary Specification Responsibilities listed below unless this Scope of Work specifically states otherwise.**

<b>PRIMARY TECHNICAL SPECIFICATION RESPONSIBILITIES (PROJECT MANUAL)</b>	
	<b>Specifications are included on the Drawings</b>
015000	Temporary Facilities and controls

### **Primary Responsibility**

**This Subcontractor is responsible for all Primary Specification Responsibilities listed below unless this Scope of Work specifically states otherwise.**



PRIMARY TECHNICAL SPECIFICATION RESPONSIBILITIES (DRAWINGS)		
DRAWING NO.	DRAWING NAME	SPECIFIC ITEM
BID DOCUMENTS	ALL DRAWINGS	<p>This Subcontractor shall furnish and install a complete turnkey of Work for <b>BP-32D Fencing</b>, per the Contract Documents to include, but not limited to: including all accessories and incidentals for a complete job with no exceptions.</p> <p>This Subcontractor shall coordinate with other trades as applicable to complete this Scope of Work including</p>
All	All	Subcontractor owns all drawings and notes as it relates to the scope. The items listed below are intended to add clarification. Notes or drawings not included below does not alleviate the subcontractor from ownership.
All	Notes, General Notes, Key Notes, and specifications	All notes/specs and items as it relates to items to be coordinated with other trades.
C100	SITE PLAN	Lockable Gate
L131	LANDSCAPE MATERIAL PLAN	Double Swing Gate: Lockable
L501	LANDSCAPE DETAILS	

The Fencing and Gates Subcontractor shall be responsible for complying with the requirements of each Scope of Work Description / Clarification Section listed below, **even if** those requirements are not shown within the Specification Sections listed above.

This Subcontractor shall be responsible for all Primary Specification Responsibilities identified above in their entirety. All costs associated with Primary Specification Responsibilities shall be included in this Subcontractor's Scope of Work and reflected in bid amount.

This Subcontractor shall be at least partially responsible for Secondary Specification Responsibilities identified above. The Secondary Specifications identify work scopes for which this Subcontractor is not wholly responsible but shall be applicable as it relates to the execution of Primary Specification Responsibilities. This may include a varying degree of responsibility from simple coordination to performing entire portions of work. The Secondary Specifications are not intended to be all inclusive and shall not limit the Subcontractor in any way with regards to installation of work identified in Primary Specification Responsibilities.

The Fencing and Gates Subcontractor is responsible for all Work described herein and below unless specifically noted otherwise.

## **32.0 EXTERIOR IMPROVEMENTS SCOPE OF WORK DESCRIPTION**

- 32.0.1 This Subcontractor shall include all concrete foundations, excavations, and backfilling required to anchor all gates as required for a complete installation of the Fencing and Gates Scope of Work.
- 32.0.2 This Subcontractor is responsible for all layout work, field engineering, staking and coordination between its subcontractors and other on-site subcontractors for all aspects covered under this Scope of Work.
- 32.0.3 This Subcontractor shall provide all gates, posts, hardware, accessories, finishes/painting, etc. as required per the Contract Documents.
- 32.0.4 Subcontractor to furnishing, install, and remove temp construction fencing for the duration of the project. Provide temp fencing and windscreen per spec 015000 and as shown on the project logistics plan. Front gate to be sliding style. Windscreen to be gray. Sub to carry (2) mobilizations for temp fencing. Initial front entrance installation and second for the remaining portion of the temp fencing.
- 32.0.5 Subcontractor to provide maintenance of temp fencing and windscreen for the duration of the project.
- 32.0.6 Subcontractor to provide an allowance of 24 hours for modification of fencing as directed by CM. Any unused amount of the allowance will be returned to the Cm in the form of a deduct change order.

## **39.0 SCOPE OF WORK CLARIFICATIONS AND/OR OTHER REQUIREMENTS**

- 39.0.1 The intent of this section is to clarify the assignment of the Trade Work, and not to alter or change the specifications and design requirements.
- 39.0.2 All correspondence and/or communication must be directed through General Contractor. All construction directives must come through General Contractor. Do NOT contact the Owner, Owner Consultant, or Architect directly without the consent of General Contractor.
- 39.0.3 The scope items listed in this Exhibit are to be used only as a guide and in no way limits the Scope of Work to those items listed.
- 39.0.4 It is recognized and understood that this Subcontractor was selected for their expertise and knowledge of this specialized work, and it is expected that the subcontractor did and has included in their scope of work all items and quality control required to carry out the intent of the Contract Documents to completion.
- 39.0.5 This Subcontractor shall provide, but not limited to the following items which may or may



not be clearly defined in the Contract Documents as being within the Scope of Work of this Subcontract Agreement: standards, certifications, testing, cleaning, inspecting, field quality control, close-out procedures, labels, field measurements and verifications, coordination with other trades, shop drawings and submittals, as-built drawings (PDF set), operating and maintenance instruction manuals, etc.

- 39.0.6 Each Subcontractor is responsible for inspecting the work that precedes its work and reporting any deficiencies which will affect its work to the Contractor prior to commencing with the new work. Once the new work has been installed over preceding work, the Contractor shall consider this action as the Subcontractor installing the new work as acceptance of all preceding work.
- 39.0.7 In cases where Division One Specifications contain conflicting information with Documents made a part of this Subcontract, the provisions, terms, conditions, etc. the more stringent shall take precedence.
- 39.0.8 Subcontractor shall be responsible for all freight, delivery, equipment, loading, unloading, rigging, and hoisting, as required to perform this Work. All costs associated with delivery of materials and equipment to perform the Scope of Work is included.
- 39.0.9 Extra Materials – This work shall include providing extra materials (attic stock) as specified.
- 39.0.10 Multiple mobilizations will be required for the completion of this Scope of Work. No additional compensation will be provided for multiple mobilization requirements. Samet will make every effort to limit the number of mobilizations. Roof installation will be based upon the construction schedule.
- 39.0.11 This Subcontractor shall NOT include the cost for their Payment and Performance Bonds in their bid amount, however if requested by the General Contractor, this Subcontractor shall provide a Performance and Payment Bond at Cost if awarded the Subcontract.
- 39.0.12 It is understood there may be utilities (new or existing), equipment, or other trades potentially in the way during operations performed by this Subcontractor. This Subcontractor agrees to coordinate as necessary to work around all obstacles to meet the requirements of the schedule.
- 39.0.13 The project site shall be open for subcontractor work from 7:00am-5:00pm, Monday-Friday, unless otherwise directed by the Construction Manager. The site will be open on Saturdays and Sundays for make-up days only on a pre-approved basis. No work, deliveries, pickups, or subcontractor presence shall be allowed outside of normal site hours without prior approval from the Construction Management Team. Note that the availability of Samet supervisory coverage may impact this approval process.
- 39.0.14 This Subcontractor will be responsible for all required cleanup of their excess materials and



equipment on a daily basis. This Subcontractor is also responsible for protection of its work. All cost associated with this required cleanup and protection is to be included in their base proposal including but not limited to weather protection for all roofing work as needed to maintain the requirements of the Contract Documents.

39.0.15 While completing this Subcontractors Scope of Work, this Subcontractor is responsible for daily cleanup of their materials. All trash and debris generated by this Subcontractor should be disposed of in the provided onsite dumpster.

39.0.16 This Subcontractor shall submit a site-specific safety plan before beginning work. A template will be provided by the Construction Manager at the pre-install meeting.

39.0.17 This Subcontractor shall submit SDS forms before beginning work.

39.0.18 This Subcontractor shall submit a QA/QC plan before beginning work. A template will be provided by the Construction Manager at the pre-install meeting.

39.0.19 All workers under this Subcontract shall attend a Samet Site Orientation meeting on their first day on this project BEFORE beginning work. New workers should report to Samet staff upon arrival to the site.

39.0.20 This Subcontractor shall complete all Samet required safety and job reports DAILY by 9am. Electronic and hard copies of all needed forms will be supplied to this Subcontractor at the Pre-Install meeting. Forms will include a Daily Report and a Pre-Task Plan at a minimum with other safety forms submitted as required by daily activities.

39.0.21 This Subcontractor shall reference scope clarification drawings included in the trade scope manual for specific directions on additions and deletions regarding this Scope of Work.

39.0.22 Labor and material prices are guaranteed through the duration of the project. Escalation costs are prohibited. The contract price shall not be increased for any coordination work related to conflict resolution, miscellaneous or incidental items required for the work to meet the intent of the Owner, architect's and engineer's design, the Contract Documents, plans, or specifications.

39.0.23 Maintenance of controlled access zones and fall protection as required by OSHA, for the safety of the Subcontractor's employees or others during the Work is included. This Subcontractor to provide any barricades, caution tape, spotters, and/or safety equipment necessary to protect the public, employees, and the property.

39.0.24 Subcontractor shall have a qualified foreman and/or superintendent onsite at all times during the performance of the Work and be capable of directing crews. This individual must be fluent in written and spoken English and be reasonably acceptable to the Contractor as a supervisor. The Subcontractor's onsite foreman and/or superintendent shall always be

equipped with a cellular telephone during working hours and provide the Contractor with Emergency Contact Information for non-working hours.

- 39.0.25 Subcontractor shall be responsible to coordinate and work with each other to eliminate conflicts during the installation of the Work. No change orders will be accepted by the Contractor for relocation and/or replacement of the Work due to the Subcontractor's lack of coordination in performing their respective scopes of work.
- 39.0.26 Manufactured items shall be installed in strict accordance with the manufacturer's printed directions, specifications and/or recommendations for installation of highest quality. All working parts shall be properly adjusted after installation and left in new working order.
- 39.0.27 Temporary electricity supplied by the Electrical Contractor will include minimal wattage single phase for small electric hand tools and basic construction temporary lighting only in accordance with OSHA guidelines. Any specific power requirements for welding, task lighting or other operations are to be provided by this Subcontractor.
- 39.0.28 If temporary "task" lighting is required to complete the Subcontractor's work, then the Trade Subcontractor requiring the temporary "task" lighting in order to complete its work shall provide its own temporary lighting at its own expense.
- 39.0.29 All stored materials must be protected from moisture, temperature, weather elements, theft, and vandalism, and stored at locations as not to interfere with the performance of other subcontractors. Any damages or theft resulting from the storing of materials are the responsibility of the Subcontractor. Re-handling of onsite materials that interfere with the work of other subcontractors shall be at no cost to the Contractor.
- 39.0.30 Each Subcontractor will remove all excess materials from the site at the time work has been completed. Failure to do so the General Contractor will give the Subcontractor a 24-hour notice at the end of this 24 hours the General Contractor will make arrangements to have the material removed. This work and the supervision of this work will be at the cost of this Subcontractor.
- 39.0.31 Subcontractor shall be responsible for cold and hot weather protection as required to perform the Work so not to delay the Project Construction Schedule.
- 39.0.32 Each Trade Subcontractor shall be responsible for notifying the City Inspectors and/or County Inspectors and/or State Inspectors when their services or inspections are required. Expedite notification to insure proper lead-time. The Trade Subcontractor shall notify the General Contractor in writing twenty-four (24) hours prior to any inspection.
- 39.0.33 This Subcontractor is responsible for all Contract Documents for this project. No allowance will be made for lack of knowledge of other subcontractor's work or existing conditions required in connection with HVAC, plumbing, electrical and other Subcontractors, including

Owner furnished equipment.

39.0.34 Subcontractors entitlement to additional overhead and profit as a result of such changes, if any, shall not exceed a combined total of fifteen percent (15%) of the value of the Work to be self-performed.

**—OTHER SCHEDULE SUMMARY INFORMATION—**

The Substantial Completion date for the Fencing and Gates Subcontractor is as reflected within the Construction Schedule. Special attention should be directed to the Construction Schedule for project sequencing requirements which are a requirement of this Scope of Work. Reference Schedule Milestone Table extracted from the Project Schedule below for other specifics related to this Scope of Work.

SCHEDULE MILESTONE TABLE		
ACTIVITY NO.	ACTIVITY DESCRIPTION	COMPLETION DATE OR DURATION
PC1040	Final Approval – C of O	8/24/2026

**—ALTERNATES—**

Each alternate designated below has been separated into the following three categories:

- “Accepted” – Alternate was accepted by General Contractor and the dollar value for the alternate is included within the Subcontractor Amount.
- “Pending” – Alternate is pending award by General Contractor with the decision being deferred until the date defined within each applicable Alternate. This cost is NOT included in the Subcontractor Amount.
- “Declined” – Alternate was NOT accepted by General Contractor and the dollar value for the alternate is NOT included within the Subcontractor Amount. By declining the alternate, all requirements applicable thereof are deleted from the contract documents.

ALTERNATES			
ALTERNATE NO.	ALTERNATE DESCRIPTION	VALUE	STATUS
P1	Payment and performance bond		pending

If requested, the cost of the Performance and Payment Bonds (amount as provided) will be reimbursed to the Subcontractor based on the following revised contract revision noted below:

Subcontractor shall provide Performance and Payment Bonds, if required, each with a penal amount equal to 100% of the Subcontract Amount, on forms acceptable to the General Contractor. The premium for these bonds shall be paid by Subcontractor and the cost thereof shall be invoiced separately to the General Contractor based on the Subcontractor providing an actual paid receipt from its surety agent. The value of the Performance and Payment bond in all cases shall not be more than the Subcontractor’s bid alternate amount submitted for these bonds. If the bond(s) value is more than the bid amount submitted for these bonds, the Subcontractor shall pay the difference to its surety agent at its cost.



**END OF SECTION**  
**TRADE PACKAGE SCOPE OF WORK:**  
**32D FENCING AND GATES SUBCONTRACT**

## **TRADE PACKAGE SCOPE OF WORK**

### **32A LANDSCAPING SUBCONTRACT**

Furnish all labor, materials, tools, taxes, safety, insurances, equipment, hoisting, cranes, supervision, and all other incidentals necessary to accomplish all **Landscaping** Work in accordance with all Contract Documents and as defined within **Trade Package General Scope Requirements** and this Scope of Work.

**Subcontractors/Suppliers performing work on multiple portions of the project site (i.e., buildings, parking area, site, etc.) shall provide separate equipment, hoisting, cranes, supervision including, but not limited to management, superintendent, foreman, tradesman, laborers, etc. for each portion unless agreed to otherwise in writing by the General Contractor. If the project needs and schedule are not being met to the satisfaction of the General Contractor, written approval will be rescinded, and the original staffing requirements shall be provided by the Subcontractor.**

Project Specifications for the Landscaping Scope of Work are listed below. This Subcontractor or Supplier shall carefully examine all specification sections and drawings within the Contract Documents and be responsible for all work described within this Scope of Work and as required on the project.

### **PROJECT SPECIFICATIONS**

This Subcontractor is responsible for all Division 1 - General Requirements as listed below prepared by the Architect, Design Consultants, and/or General Contractor or as designated elsewhere within the Technical Specifications or Drawings as applicable to this Trade Package Scope of Work.

<b>DIVISION 1 – GENERAL REQUIREMENTS</b>	
<b>GC Req.</b>	<b>General Requirements Manual</b>
<b>GC Req.</b>	<b>Trade Package Scope Manual</b>
<b>GC Req.</b>	<b>Trade Package General Scope Requirements</b>

### **Primary Responsibility**

**This Subcontractor is responsible for all Primary Specification Responsibilities listed below unless this Scope of Work specifically states otherwise.**

<b>PRIMARY TECHNICAL SPECIFICATION RESPONSIBILITIES (PROJECT MANUAL)</b>	
	<b>Specifications are included on the Drawings</b>
329200	Turf and Grasses
329300	Plants

### **Secondary Responsibility**

**This Subcontractor is responsible for all Secondary Specification Responsibilities listed below to the extent applicable, or defined, within this Scope of Work.**

SECONDARY TECHNICAL SPECIFICATION RESPONSIBILITIES	
	<b>Specifications are included on the Drawings</b>
312000	Earth Moving

### **Primary Responsibility**

**This Subcontractor is responsible for all Primary Specification Responsibilities listed below unless this Scope of Work specifically states otherwise.**

PRIMARY TECHNICAL SPECIFICATION RESPONSIBILITIES (DRAWINGS)		
DRAWING NO.	DRAWING NAME	SPECIFIC ITEM
BID DOCUMENTS	ALL DRAWINGS	This Subcontractor shall furnish and install a complete turnkey of Work for <b>BP-32A Landscaping</b> , per the Contract Documents to include, but not limited to: including all accessories and incidentals for a complete job with no exceptions.  This Subcontractor shall coordinate with other trades as applicable to complete this Scope of Work including
All	All	Subcontractor owns all drawings and notes as it relates to the scope. The items listed below are intended to add clarification. Notes or drawings not included below does not alleviate the subcontractor from ownership.
All	Notes, General Notes, Key Notes, and specifications	All notes/specs and items as it relates to items to be coordinated with other trades.

The Landscaping Subcontractor shall be responsible for complying with the requirements of each Scope of Work Description / Clarification Section listed below, **even if** those requirements are not shown within the Specification Sections listed above.

This Subcontractor shall be responsible for all Primary Specification Responsibilities identified above in their entirety. All costs associated with Primary Specification Responsibilities shall be included in this Subcontractor's Scope of Work and reflected in bid amount.

This Subcontractor shall be at least partially responsible for Secondary Specification Responsibilities identified above. The Secondary Specifications identify work scopes for which this Subcontractor is not wholly responsible but shall be applicable as it relates to the execution of Primary Specification Responsibilities. This may include a varying degree of responsibility from simple coordination to performing entire portions of work. The Secondary Specifications are not intended to be all inclusive and shall not limit



the Subcontractor in any way with regards to installation of work identified in Primary Specification Responsibilities.

The Landscaping Subcontractor is responsible for all Work described herein and below unless specifically noted otherwise.

## **32.0 EXTERIOR IMPROVEMENTS SCOPE OF WORK DESCRIPTION**

- 32.0.1 The Landscaping Subcontractor is responsible for all layout work, field engineering and staking for all aspects covered under this Scope of Work.
- 32.0.2 Compaction - This Work shall include, but not be limited to, fine grading, pumping and dewatering, if required, and compaction work associated with the proper installation of all work required of this Subcontract.
- 32.0.3 Fine Grading – Prior to permanent seeding, Landscaping Subcontractor shall fine grade and rock hound all disturbed site areas and remove all rocks less than or equal to two (2) inches in diameter, after spreading of topsoil by 31A. Fine grading should be performed at all areas receiving landscaping.
- 32.0.4 Permanent Seeding - This Work shall include, but not be limited to, all premium permanent grass seeding blends, fertilization, tack, relief of compaction to 3.5" below grade for optimal seedbed and spread of wheat straw to prevent erosion. After germination of seeds, bare areas will be amended and reseeded. Includes all lime, soil conditioner, fertilizers, pesticides, etc. as required within contract documents.
- 32.0.5 Sod – Harvest, deliver, store, protect, and handle sod according to all requirements set forth by contract documents. Sod shall be delivered such that installation will occur within 24 hours.
- 32.0.6 Erosion Control – Provide erosion control measures as necessary to prevent displacement of bulk materials, dust reaching adjacent properties, etc.
- 32.0.7 Plantings – This Subcontractor shall refer to Planting Plans and Schedules, provide and install all plantings, planting soils (per documents), sod, grass, grass pavers, beds, boulders, trees, shrubs, vines, biennials, perennials, mulches, etc. for the entire jobsite including, but not limited to, pathways, plaza plantings, building plant beds, etc. in accordance with all Landscape drawings. Provide samples of mulch, mineral mulch, and edging materials. Plantings shall include a 12-month warranty period. This Subcontractor will regularly visit the site and verify proper maintenance of all plants by Owner. Any deficiencies will be provided to the Owner immediately. Remove tree staking, tree saucers, and expose root crowns of all trees at end of 12-month period after substantial completion. Inspections shall be performed at 3 months and 6 months past substantial completion. Notify owner in writing of any deficiencies in plantings.

- 32.0.8 Fully remove all temporary seeding prior to installation of sod, seed, or landscape beds.
- 32.0.9 All mass plantings areas to receive organic mulch over entire planting area.
- 32.0.10 Provide stabilization for all steep slopes, including biodegradable erosion matting on all slopes 4:1 or greater.
- 32.0.11 Use herbicides and pesticides approved by the EPA as necessary.
- 32.0.12 Provide a written soil report for each un-amended soil type from a qualified testing laboratory. Excavated soil may not be used as planting soil.
- 32.0.13 All installation requirements outlined within contract documents shall be strictly followed including, but not limited to, planting restrictions and weather limitations.
- 32.0.14 Metal Edging - Furnish and install metal edging where specified.
- 32.0.15 Maintenance – This Subcontractor shall maintain all turf installed as part of this work including, but not limited to, watering, fertilizing, weeding, mowing, trimming, replanting, etc. as required to promote healthy growth of turf from installation through substantial completion of the project.
- 32.0.16 As part of this Scope of Work, a one-year warranty is to be included. During this period regular site visits are required, and if any deficiencies are discovered, notify the Owner immediately in writing. Also included as part of this warranty, this subcontractor shall replace any plantings that do not properly grow despite proper maintenance.
- 32.0.17 This Subcontractor is responsible for daily cleanup and removal from the construction area all debris and waste related to this scope of work. All cleanup and debris removal and general cleanup crew requirements shall be as outlined in the Subcontractor Manual. This Subcontractor's trash will be removed from the building, work area, and area constantly as work progresses, or immediately upon request of Construction Manager's Superintendent. All stored material will be kept in localized and neatly stacked locations at all times as directed by the Construction Manager. At a minimum, this Subcontractor will be responsible for daily clean-up of the work area. Failure to provide daily clean-up will result in the Construction Manager supplementing this Subcontractor's clean-up efforts, at the expense of this Subcontractor.
- 32.0.18 Dewatering - The Landscaping Subcontractor shall leave its work in a condition that will naturally drain at the end of each day. If standing water accumulates, this Subcontractor is responsible for providing equipment and labor for dewatering, pumping of water, mucking, and subgrade and soil restoration at no additional cost. Temporary dewatering required for the installation of any portion of Landscaping Subcontractor's scope of work shall be

performed by the Landscaping Subcontractor under the direction of, and in coordination with, the Grading, Site Preparation, & Site Utilities Subcontractor.

- 32.0.19 Substantial Completion will be considered once proper installation of all seed sod, grass pavers, mulch, irrigation, etc. and seed germination is visible.
- 32.0.20 This Subcontractor shall include all mobilizations as required to complete this scope of work. Subcontractor acknowledges and agrees to comply with the following requirements of the project schedule as part of this scope of work.
- 32.0.21 The Construction Manager will designate an approved laydown and staging area with the Construction Manager's Site Superintendent prior to mobilizing labor or materials. It will be the responsibility of this Subcontractor to provide dunnage, pallets, weatherproof covering materials, etc. as required to protect the material stored on site from the elements. Material left exposed to the elements shall be cleaned, if deemed necessary by the Construction Manager, prior to the material being installed.
- 32.0.22 This Subcontractor shall not proceed without first inspecting the site and informing the Construction Manager in writing that all conditions are acceptable to begin this scope of work. Failure to notify prior to starting work shall mean this Subcontractor will accept all previous work as satisfactory.
- 32.0.23 Subcontractor is responsible for the protection of other subcontractor's finished work and existing conditions surrounding the work being installed in this scope of work.
- 32.0.24 This Subcontractor shall be responsible for scheduling and coordinating deliveries, etc. with the Construction Manager and the Owner.
- 32.0.25 Subcontractor shall keep and maintain at the jobsite one (1) complete and current set of Contract Drawings, which must be used for the purpose of recording all changes occurring during the construction of this project. As built documents shall be updated weekly as progress occurs. Progress is to be indicated by coloring-in various components of work and associated appurtenances exactly as they are erected. These drawings shall be used to produce the final as-built drawings.
- 32.0.26 All submittals, close-out documentation, O&M Manuals, etc. should be submitted via hard copies and electronic copies, as requested by the Construction Manager.
- 32.0.27 If contract documents and scopes of work conflict, the most stringent requirements shall apply and be provided by this Subcontractor.
- 32.0.28 This subcontractor is responsible for Quality Control of their work and or their subcontractor's work and includes to provide a punch list toward the end of their scope prior to the Construction Manager punching out the work.

32.0.29 This project is based on a mandatory (5) days per week (Monday through Friday), with eight (8) hour days minimum work week. Additional shifts and weekends being used for make-up days for inclement weather and Holidays. Subcontractors are required and agree to provide adequate manpower and supervision acceptable to the Construction Manager to comply with the Project Schedule.

32.0.30 Warranty to begin at date of Final completion unless specified otherwise in the contract documents. Extended warranties shall be provided as part of this scope of work.

32.0.31 The Landscaping Subcontractor shall visit the site and familiarize themselves with the existing conditions before submitting a bid. Failure to do so does not relieve the Landscaping Subcontractor from completing the work as specified herein and after. Requests for additional payments due to the Landscaping Subcontractor's failure to allow for work conditions will be rejected by the Construction Manager.

### **39.0 SCOPE OF WORK CLARIFICATIONS AND/OR OTHER REQUIREMENTS**

39.0.1 The intent of this section is to clarify the assignment of the Trade Work, and not to alter or change the specifications and design requirements.

39.0.2 All correspondence and/or communication must be directed through General Contractor. All construction directives must come through General Contractor. Do NOT contact the Owner, Owner Consultant, or Architect directly without the consent of General Contractor.

39.0.3 The scope items listed in this Exhibit are to be used only as a guide and in no way limits the Scope of Work to those items listed.

39.0.4 It is recognized and understood that this Subcontractor was selected for their expertise and knowledge of this specialized work, and it is expected that the subcontractor did and has included in their scope of work all items and quality control required to carry out the intent of the Contract Documents to completion.

39.0.5 This Subcontractor shall provide, but not limited to the following items which may or may not be clearly defined in the Contract Documents as being within the Scope of Work of this Subcontract Agreement: standards, certifications, testing, cleaning, inspecting, field quality control, close-out procedures, labels, field measurements and verifications, coordination with other trades, shop drawings and submittals, as-built drawings (PDF set), operating and maintenance instruction manuals, etc.

39.0.6 Each Subcontractor is responsible for inspecting the work that precedes its work and reporting any deficiencies which will affect its work to the Contractor prior to commencing with the new work. Once the new work has been installed over preceding work, the



Contractor shall consider this action as the Subcontractor installing the new work as acceptance of all preceding work.

- 39.0.7 In cases where Division One Specifications contain conflicting information with Documents made a part of this Subcontract, the provisions, terms, conditions, etc. the more stringent shall take precedence.
- 39.0.8 Subcontractor shall be responsible for all freight, delivery, equipment, loading, unloading, rigging, and hoisting, as required to perform this Work. All costs associated with delivery of materials and equipment to perform the Scope of Work is included.
- 39.0.9 Extra Materials – This work shall include providing extra materials (attic stock) as specified.
- 39.0.10 Multiple mobilizations will be required for the completion of this Scope of Work. No additional compensation will be provided for multiple mobilization requirements. Samet will make every effort to limit the number of mobilizations. Roof installation will be based upon the construction schedule.
- 39.0.11 This Subcontractor shall NOT include the cost for their Payment and Performance Bonds in their bid amount, however if requested by the General Contractor, this Subcontractor shall provide a Performance and Payment Bond at Cost if awarded the Subcontract.
- 39.0.12 It is understood there may be utilities (new or existing), equipment, or other trades potentially in the way during operations performed by this Subcontractor. This Subcontractor agrees to coordinate as necessary to work around all obstacles to meet the requirements of the schedule.
- 39.0.13 The project site shall be open for subcontractor work from 7:00am-5:00pm, Monday-Friday, unless otherwise directed by the Construction Manager. The site will be open on Saturdays and Sundays for make-up days only on a pre-approved basis. No work, deliveries, pickups, or subcontractor presence shall be allowed outside of normal site hours without prior approval from the Construction Management Team. Note that the availability of Samet supervisory coverage may impact this approval process.
- 39.0.14 This Subcontractor will be responsible for all required cleanup of their excess materials and equipment on a daily basis. This Subcontractor is also responsible for protection of its work. All cost associated with this required cleanup and protection is to be included in their base proposal including but not limited to weather protection for all roofing work as needed to maintain the requirements of the Contract Documents.
- 39.0.15 While completing this Subcontractors Scope of Work, this Subcontractor is responsible for daily cleanup of their materials. All trash and debris generated by this Subcontractor should be disposed of in the provided onsite dumpster.



- 39.0.16 This Subcontractor shall submit a site-specific safety plan before beginning work. A template will be provided by the Construction Manager at the pre-install meeting.
- 39.0.17 This Subcontractor shall submit SDS forms before beginning work.
- 39.0.18 This Subcontractor shall submit a QA/QC plan before beginning work. A template will be provided by the Construction Manager at the pre-install meeting.
- 39.0.19 All workers under this Subcontract shall attend a Samet Site Orientation meeting on their first day on this project BEFORE beginning work. New workers should report to Samet staff upon arrival to the site.
- 39.0.20 This Subcontractor shall complete all Samet required safety and job reports DAILY by 9am. Electronic and hard copies of all needed forms will be supplied to this Subcontractor at the Pre-Install meeting. Forms will include a Daily Report and a Pre-Task Plan at a minimum with other safety forms submitted as required by daily activities.
- 39.0.21 This Subcontractor shall reference scope clarification drawings included in the trade scope manual for specific directions on additions and deletions regarding this Scope of Work.
- 39.0.22 Labor and material prices are guaranteed through the duration of the project. Escalation costs are prohibited. The contract price shall not be increased for any coordination work related to conflict resolution, miscellaneous or incidental items required for the work to meet the intent of the Owner, architect's and engineer's design, the Contract Documents, plans, or specifications.
- 39.0.23 Maintenance of controlled access zones and fall protection as required by OSHA, for the safety of the Subcontractor's employees or others during the Work is included. This Subcontractor to provide any barricades, caution tape, spotters, and/or safety equipment necessary to protect the public, employees, and the property.
- 39.0.24 Subcontractor shall have a qualified foreman and/or superintendent onsite at all times during the performance of the Work and be capable of directing crews. This individual must be fluent in written and spoken English and be reasonably acceptable to the Contractor as a supervisor. The Subcontractor's onsite foreman and/or superintendent shall always be equipped with a cellular telephone during working hours and provide the Contractor with Emergency Contact Information for non-working hours.
- 39.0.25 Subcontractor shall be responsible to coordinate and work with each other to eliminate conflicts during the installation of the Work. No change orders will be accepted by the Contractor for relocation and/or replacement of the Work due to the Subcontractor's lack of coordination in performing their respective scopes of work.
- 39.0.26 Manufactured items shall be installed in strict accordance with the manufacturer's printed

directions, specifications and/or recommendations for installation of highest quality. All working parts shall be properly adjusted after installation and left in new working order.

- 39.0.27 Temporary electricity supplied by the Electrical Contractor will include minimal wattage single phase for small electric hand tools and basic construction temporary lighting only in accordance with OSHA guidelines. Any specific power requirements for welding, task lighting or other operations are to be provided by this Subcontractor.
- 39.0.28 If temporary “task” lighting is required to complete the Subcontractor’s work, then the Trade Subcontractor requiring the temporary “task” lighting in order to complete its work shall provide its own temporary lighting at its own expense.
- 39.0.29 All stored materials must be protected from moisture, temperature, weather elements, theft, and vandalism, and stored at locations as not to interfere with the performance of other subcontractors. Any damages or theft resulting from the storing of materials are the responsibility of the Subcontractor. Re-handling of onsite materials that interfere with the work of other subcontractors shall be at no cost to the Contractor.
- 39.0.30 Each Subcontractor will remove all excess materials from the site at the time work has been completed. Failure to do so the General Contractor will give the Subcontractor a 24-hour notice at the end of this 24 hours the General Contractor will make arrangements to have the material removed. This work and the supervision of this work will be at the cost of this Subcontractor.
- 39.0.31 This Subcontractor shall be responsible for cold and hot weather protection as required to perform the Work so not to delay the Project Construction Schedule.
- 39.0.32 Each Trade Subcontractor shall be responsible for notifying the City Inspectors and/or County Inspectors and/or State Inspectors when their services or inspections are required. Expedite notification to ensure proper lead-time. The Trade Subcontractor shall notify the General Contractor in writing twenty-four (24) hours prior to any inspection.
- 39.0.33 This Subcontractor is responsible for all Contract Documents for this project. No allowance will be made for lack of knowledge of other subcontractors’ work or existing conditions required in connection with HVAC, plumbing, electrical and other Subcontractors, including Owner furnished equipment.
- 39.0.34 Subcontractors entitlement to additional overhead and profit as a result of such changes, if any, shall not exceed a combined total of fifteen percent (15%) of the value of the Work to be self-performed.





**—OTHER SCHEDULE SUMMARY INFORMATION—**

The Substantial Completion date for the Landscaping Subcontractor is as reflected within the Construction Schedule. Special attention should be directed to the Construction Schedule for project sequencing requirements which are a requirement of this Scope of Work. Reference Schedule Milestone Table extracted from the Project Schedule below for other specifics related to this Scope of Work.

<b>SCHEDULE MILESTONE TABLE</b>		
ACTIVITY NO.	ACTIVITY DESCRIPTION	COMPLETION DATE OR DURATION
A8860	Landscaping and Stabilization of Soil	20 days
PC1040	Final Approval – C of O	8/24/2026

**—ALTERNATES—**

Each alternate designated below has been separated into the following three categories:

- “Accepted” – Alternate was accepted by General Contractor and the dollar value for the alternate is included within the Subcontractor Amount.
- “Pending” – Alternate is pending award by General Contractor with the decision being deferred until the date defined within each applicable Alternate. This cost is NOT included in the Subcontractor Amount.
  - “Declined” – Alternate was NOT accepted by General Contractor and the dollar value for the alternate is NOT included within the Subcontractor Amount. By declining the alternate, all requirements applicable thereof are deleted from the contract documents.

<b>ALTERNATES</b>			
ALTERNATE NO.	ALTERNATE DESCRIPTION	VALUE	STATUS
P1	Payment and performance bond		Pending

If requested, the cost of the Performance and Payment Bonds (amount as provided) will be reimbursed to the Subcontractor based on the following revised contract revision noted below:

Subcontractor shall provide Performance and Payment Bonds, if required, each with a penal amount equal to 100% of the Subcontract Amount, on forms acceptable to the General Contractor. The premium for these bonds shall be paid by Subcontractor and the cost thereof shall be invoiced separately to the General Contractor based on the Subcontractor providing an actual paid receipt from its surety agent. The value of the Performance and Payment bond in all cases shall not be more than the Subcontractor’s bid alternate amount submitted for these bonds. If the bond(s) value is more than the bid amount submitted for these bonds, the Subcontractor shall pay the difference to its surety agent at its cost.

**END OF SECTION  
TRADE PACKAGE SCOPE OF WORK:  
32A LANDSCAPING SUBCONTRACT**