Schenectady County
Purchasing Department

620 State St.-2nd Floor
Schenectady, NY 12305
purchasing@schenectadycountyny.gov
518.388.4240

ADDENDUM

RFB-2024-19
SUNY SCCC MOBILE LAB GARAGE
C2 DESIGN GROUP

ADDENDUM #1

Issued Date: 6/18/2024

The purpose of this addendum is to provide detailed information to all Bidders. This addendum is hereby included in and made part of the Contract Documents, whether or not attached thereto. Receipt of this Addendum must be acknowledged on the bid form.

CONTENTS/RESPONSE TO QUESTIONS/REFERENCE TO ATTACHMENTS

General:

1. This addendum changes the documents for Bid #RFB-2024-19.
2. See attached sign in sheet from the June 6th., 2024 Pre-Bid Walkthrough.

Revised/New Contract Drawings and Specifications:

1. Specification section 00 02 05 *General Instructions to Bidders*: replace page 14 with attached revised page 14.
2. Specification section 32 31 13 *Chain Link Fence*: replace with attached Section 32 31 13.
3. Add *Geotechnical Data Report* dated May 26, 2023, from Terracon consultants, Inc.
4. Drawing A100: replace with attached drawing A101.
5. Drawing A300: replace with attached drawing A300.
6. Under-slab stone sample testing report from *Construction Technology* dated 3/9/23.
7. Specification sections 00 from Schenectady County. Replace the following pages with attached revised pages:
   a. NOTICE TO BIDDERS, Div. 00 02 00, pages 7-8.
   b. Div. 00 04 00, pages 64-69.
   c. Div. 01, page 107 of 107.
8. Replace Section 01 15 00 MASTER PROJECT SCHEDULE with attached revised copy.

Schenectady County
Purchasing Department

620 State St.-2nd Floor
Schenectady, NY 12305
purchasing@schenectadycountyny.gov
518.388.4240

ADDENDUM

General Bid RFI's

1. Q: Under-slab detail is calling for #1 stone, can we use crusher run in replacement?
    a. A: Slab-on-grade sub-base shall be a crushed run stone free from soft disintegrated pieces, mud, dirt, or other injurious material the material shall have no stone greater than 2 inches in any one dimension and with less than 10 percent by weight passing a No. 100 sieve. See attached sample testing report from *Construction Technology* dated 3/9/23.

2. Q: Per the detail "Frost Protected Concrete Apron" (drawing C501) the Apron has the own footing and foundation wall. Is it a typo? Usually Apron has a haunch, but not the own footing and foundation wall.
    a. A: Detail 5/C501 is correct. The apron has a frost wall foundation.

3. Q: Is there a Geo report?
    a. A: Yes, see attached "*Geotechnical Engineering Report*" from Terracon dated 5/22/24.

4. Q: The 1/A300 Building Section calling out for a foundation drainage, but no details provided.
    a. A: Delete footing drains from the project.

5. Q: There are two louver specifications: 08 91 00 "Stationary Metal Louvers" and 23 37 10 "Louvers". Since louvers are called out on the mechanical drawings and are specified in the mechanical specifications 23 37 10 Louvers guessing that the specifications: 08 91 00 "Stationary Metal Louvers" was included by mistake. Please confirm.
    a. A: Delete section 08 91 00 "Stationary Metal Louvers". Follow section 23 37 10.

6. Q: The spec section 08 81 00 "Glass and Glazing" calls out for the miscellaneous glass, but the drawings do not show any.
    a. A: There is no miscellaneous glazing for the project.

7. Q: The Building Section 1/A300 calls out for the Cold Form Framing above the overhead doors, but no details are provided. Please provide the details, cross- sections, sizes, gage, etc.
    a. See revised sheet A300. Framing is the responsibility of the GC per delegated design and coordinated with the overhead door spec 08 33 25.

8. Q: The drawings do not show the Cementitious Waterproofing called out in the specification section 071613 "Cementitious Waterproofing". If are any please specify locations.
    a. A: Delete cementitious waterproofing of foundation wall from the project.

9. Q: The drawing A100 and 12/A600 calling out for 6 mil Poly Vapor Barrier; at the same time the specification section 072600 "Vapor Retarder under Slab on Grade"- for 10 mil, the specification section 033000" Cast-in-place concrete" – for 15 mil.
    a. A: Vapor retarders shall be 15 mil as specified in section 0330002.7.A.

10. Q: No slab control joint/sealing details and locations are provided.
    a. See revised sheet A101, attached.

Schenectady County
Purchasing Department

620 State St.-2nd Floor
Schenectady, NY 12305
purchasing@schenectadycountyny.gov
518.388.4240

ADDENDUM

11. Q: Who is responsible for the earth and concrete works, also bollards shown on the MP002 and MP101 drawing?
    a. A: All of this work is under the GC contract.

12. Q: The drawings call out for R-19 batt insulation behind the 3" insulated wall panels. No batt insulation specification is provided. Should insulation be faced or un-faced? Are liner panels required? If required please provide the sizes, gage, type, etc.
    a. A: Insulation shall be R-19 Glass-Fiber Blanket, Unfaced: ASTM C 665, Type I; with maximum flame-spread and smoke-developed indexes of 25 and 50, respectively, per ASTM E 84, passing ASTM E 136 for combustion characteristics, with an interior PVC vapor barrier, all as supplied by the PEMB manufacturer.

13. Q: The note on the A100 drawing delegates the Foundation Design to the contractor, but the bid documents don't provide neither a GEO Tech report or Soil's Bearing Capacity. Without knowing the Bearing Capacity of Soil it would be impossible to design the building foundation. Besides, since this project is not a design-build project the NYS Educational Law prohibits delegating the foundation design of Public Projects to the contractors.
    a. A: This not a correct statement. The GC shall budget for a NYS Licensed Engineer to design the foundation based on the structural information provided by the PEMB delegated design. The contract documents are provided.

14. Q: Spec section 13 34 19, Pre-Engineered Metal Buildings (PEMB), paragraph 1.3.G regarding FM Global. What is the Nav number for the PEMB?
    a. A: See spec section 07 41 13 for roofing requirements.

15. Q: Pre-Engineered Metal Building supplier is concerned with the 16-week schedule for submittals.
    a. A: The submittal schedule will have flexibility according to production time of shop drawings, delegated design, and approvals by the design team.

16. Q: Is there a Project Estimate for bonding purposes?
    a. A: The Owner cannot release this information. Base bonding on ***your*** bid amount.

17. Q: PEMB suppliers want to know crane loading per spec section 133419, 1.5.D.
    a. A: Delete paragraph 133419, 1.5.D.8.c. Crane criteria shall be supplied from the delegated design professional and based on PEMB design.

18. Q: Refer to General Instructions to Bidders, page 14, XXII. Can this requirement be waived?
    a. A: No.

19. Q: Sheet A800. Does exposed structure get paint?
    a. A: No. All exposed steel shall be shop primed as supplied by the PEMB supplier.

Schenectady County
Purchasing Department

620 State St.-2nd Floor
Schenectady, NY 12305
purchasing@schenectadycountyny.gov
518.388.4240

ADDENDUM

---

20. Q: Sheet A900. Window type is listed as CS4030. Is this correct?
    a. A: The window unit shall be the 100 series, fixed unit model from Andersen, size designation 4030.

Please acknowledge this addendum on your bid form.

END OF ADDENDUM #1

Contractor Sign in Sheet

Bid #RFB-2024-19

SUNY SCCC MOBILE LAB GARAGE
78 WASHINGTON AVE., SCHENECTADY, NY 12305

Pre-Bid Walk through — June 6, 2024 - 2:00 PM

Name	Business Name	Phone #	Email
Pete Best-Hall	Iron Sword	914-403-6891	bid@ironswordllc.com
John Lopiano	LaCorte	518/365-1254	JLopiano@LaCorte.com
Mark Caulfield	AOW	518.477.0976	mcaulfield@aowconstruction.com
René Pedroso	Keller	518 852-6901	rpedroso@wjkeller.com
Bill Coon	Plank LLC	518 421-2565	bcoon@plankllc.com

4505. Actual rates are available via the internet at: http://198.22.236.39/prevailing_wage_home.shtm **or** from the Schenectady County Purchasing Department at the address listed on the Notice to Bidders.

C. Payrolls and Payroll Records: Every contractor and subcontractor MUST keep original payrolls or transcripts subscribed and affirmed as true under penalty of perjury. Payrolls must be maintained for at least five (5) years from the project's date of completion. At a minimum, payrolls must show the following information for each person employed on a public work project: Name, Social Security number, Classification(s) in which the worker was employed, Hourly wage rate(s) paid, Supplements paid or provide, and Daily and weekly number of hours worked in each classification.

D. Every contractor and subcontractor shall submit to the Department of Jurisdiction (Contracting Agency), within thirty (30) days after issuance of its first payroll and every thirty (30) days thereafter, a transcript of the original payrolls, subscribed and affirmed as true under penalty of perjury. The Department of Jurisdiction (Contracting Agency) shall receive and maintain such payrolls.

XXII. Apprenticeship Training Program

A. This section is applicable to construction contracts of $200,000 or more.

B. In accordance with Schenectady County Legislative Resolution No. 22 of February 11, 2003 and Section 816-b of the new York State Labor Law, **contractors and subcontractors of County construction contracts of $200,000 or more** shall have in place agreements providing appropriate apprenticeship training programs approved by the Commissioner of the Department of Labor for the type and scope of work to be performed before the contracts are let. These agreements shall conform to the procedures and requirements set forth in Section 816-b of the New York State Labor Law.

XXIII. Affirmative Action Requirements

A. This section is applicable to construction contracts of $100,000 or more.

B. It is the policy of the County of Schenectady that Minority Business Enterprises (MBE) and Woman Business Enterprises (WBE) are afforded the maximum opportunity to participate in the performance of contracts, in excess of $100,000, let by the County and its several agencies and authorities. The County commits itself to a goal oriented Contract Compliance Program which assures that Minority Business Enterprises and Woman Business Enterprises are considered in awarding contracts for goods, services and construction. Furthermore, it is the policy of the County of Schenectady that contractors and subcontractors utilize minority and women labor to the greatest extent feasible.

C. In bidding on this contract, the contractor acknowledges an understanding of this policy. The contractor shall carry out the policy by making every reasonable effort to award contracts and subcontracts to MBEs and WBEs and utilizing minority and women labor in the performance of this contract.

D. In an effort to assist contractors with compliance attached you will find the following documents attached: Affirmative Action WMBE Utilization Policy and Affirmative Action Compliance Forms.

XXIV. Iranian Energy Sector Divestment

A. Contractor/Proposer hereby represents that said Contractor/Proposer is familiar with New York State General Municipal Law Section 103-g entitled “Iranian Energy Sector Divestment”, in that said Contractor/Proposer has not:

1. Provided goods or services of $20 Million or more in the energy sector of Iran including but not limited to the provision of oil or liquefied natural gas tankers or products used to construct or maintain pipelines used to transport oil or liquefied natural gas for the energy sector of Iran.
2. Acted as a financial institution and extended $20 Million or more in credit to another person for forty-five days or more, if that person’s intent was to use the credit to provide goods or services in the energy sector in Iran.

B. Any Contractor/Proposer who has undertaken any of the above is identified on a list created pursuant to Section 165-a (3)(b) of the New York State Finance Law as a person engaging in investment activities in

SECTION 323113

CHAIN LINK FENCE

PART 1 GENERAL

1.01 RELATED WORK SPECIFIED ELSEWHERE

A. 03 30 00 - Cast-in-Place Concrete

B. 13 34 19 **-** Pre-engineered Metal Buildings

1.02 REFERENCES

A. Comply with ASTM A 53 for requirements of Schedule 40 piping.

1.03 DEFINITIONS

A. Height of Fence: Distance measured from the top of concrete footing/slab to the top of fabric.

1.04 SUBMITTALS

A. Shop Drawings: Complete detailed drawings for each height and style of fence and gate required. Include separate schedule for each listing all materials required and technical data such as size, weight, and finish, to ensure conformance to specifications.

B. Product Data: Manufacturer’s catalog cuts, specifications, and installation instructions for each item specified.

C. Samples:
1. Fence Fabric: Minimum one square foot.
2. Fence and Gate Posts: Two each, one foot long, if requested.
3. Miscellaneous Materials and Accessories: One each, if requested.

1.05 QUALITY ASSURANCE

A. Comply with standards of the Chain Link Fence Manufacturer’s Institute.

B. Provide steel fence and related gates as a complete compatible system including necessary erection accessories, fittings, and fastenings.

C. Posts and rails shall be continuous without splices.

PART 2 PRODUCTS

2.01 MATERIALS

A. 2" O.D., 16 gauge galvanized pipe.
1. Allied Tube & Conduit Corp., 16100 S. Lathrop Ave., Harvey, IL, 60426, (800) 882-5543.

2. American Tube and Pipe Co., Inc., 2525 N. 27th Ave., Phoenix, AZ 85009, (800) 669-8823.

2.03 STEEL FABRIC

A. One-piece widths for fence heights up to 12’-0”.

B. Chain link, 2 inch mesh, 11 gauge.

C. Selvages: Top edge twisted and barbed; bottom edge knuckled.

2.06 SWING GATE HARDWARE

A. Hinges: Non-lift-off type, offset to permit 180 degree swing, and of suitable size and weight to support gate. Provide 1-1/2 pair of hinges for each leaf over 6 feet high.

B. Latch: Forked type for single gates 10 feet wide or less. Drop bar type with keeper for double gates. Drop bar length shall be 2/3 the height of the gate. Padlock eye shall be an integral part of latch construction.

2.07 MISCELLANEOUS MATERIALS AND ACCESSORIES

A. Rails and Post Braces:
1. Pipe: 2" O.D., 16 gauge galvanized pipe.

B. Fittings and Post Tops: Steel, wrought iron, or malleable iron.
1. Fasteners: Tamper-resistant cadmium plated steel screws.

C. Stretcher Bars: One piece equal to full height of fabric, minimum cross-section 3/16 inch by 3/4 inch.

D. Metal Bands (for securing stretcher bars): Steel, wrought iron, or malleable iron.

E. Wire Ties: Conform to American Steel Wire gauges.
1. For tying fabric to line posts, rails and braces: 9 gauge (.1483 inch) steel wire.
2. For splicing adjoining sections of security coils: 16 gauge (.0625 inch) 300 Series stainless steel wire, or 11 gauge (.1205 inch) 300 Series stainless steel hog rings.

F. Truss Rods: 3/8 inch diameter.

G. Cold Galvanizing Compound: Single component compound giving 93 percent pure zinc in the dried film, and meeting the requirements of DOD-P-21035A (NAVY).

H. Bolts and Nuts: ASTM A 307, Grade A.

SLAB MOUNTED FRAME:

K. Expansion Anchors: ¾ inch diameter with a minimum 4-3/4” embedment depth, Stainless Steel KWIK Bolt 3 (KB3) by Hilti, Inc. www.us.hilti.com ; 1-800-879-8000.

L. Shrink-Resistant Grout (Ferrous): Factory-packaged, non-catalyzed, ferrous aggregate mortar grouting compound selected from the following:
1. Embeco 636 by Master Builders, 23700 Chagrin Blvd., Cleveland, OH 44122, (800) 227-3350.

2. Ferrolith G-NC by Sonneborn, Chemrex, Inc., 57-46 Flushing Ave., Maspeth, NY 11378, (800) 433-9517.
3. Ferro-Grout by L&M Construction Chemicals, 14851 Calhoun Rd., Omaha, NB 68152, (800) 362-3331.
4. Vibra-Foil by A.C. Horn, Inc., Tamm Industries, 7405 Production Dr., Mentor, OH 44060, (800) 862-2667.

2.08 FINISHES

A. Steel Framework:
1. Polyvinyl Chloride (PVC): Black plastic finish, fusion bonded to galvanized metal, minimum thickness 10 mils.

B. Fabric; one of the following:
1. Polyvinyl Chloride (PVC) Finish: Black plastic, fusion bonded to galvanized wire, breaking strength, 1290 pounds, minimum thickness 7 mils.

C. Fence and Gate Hardware, Miscellaneous Materials, Accessories:
1. PVC coated, per manufacturer's standards.

PART 3 EXECUTION

3.01 PREPARATION

A. Coordinate fencing installation with concrete slab and steel building erection.

3.02 INSTALLATION

A. Space posts equidistant in the fence line with a maximum of 10 feet on center, or as indicated on drawings.
B. Setting Posts: Do not attach fabric to posts until concrete has cured a minimum of 7 days.

C. Locate corner posts at corners and at changes in direction. Use pull posts at all abrupt changes in grade and at intervals no greater than 500 feet. On runs over 500 feet, space pull posts evenly between corner or end posts. On long curves, space pull posts so that the strain of the fence will not bend the line posts.

D. Install top rail continuously through post tops or extension arms, bending to radius for curved runs. Install expansion couplings as recommended by fencing manufacturers.

E. Install bottom and intermediate rails in one piece between posts and flush with post on fabric side using special offset fittings where necessary.

F. Install gates plumb and level and adjust for full opening without interference. Install ground-set items in concrete for anchorage, as recommended by fence manufacturer. Adjust hardware for smooth operation and lubricate where necessary.

END OF SECTION 32 31 13

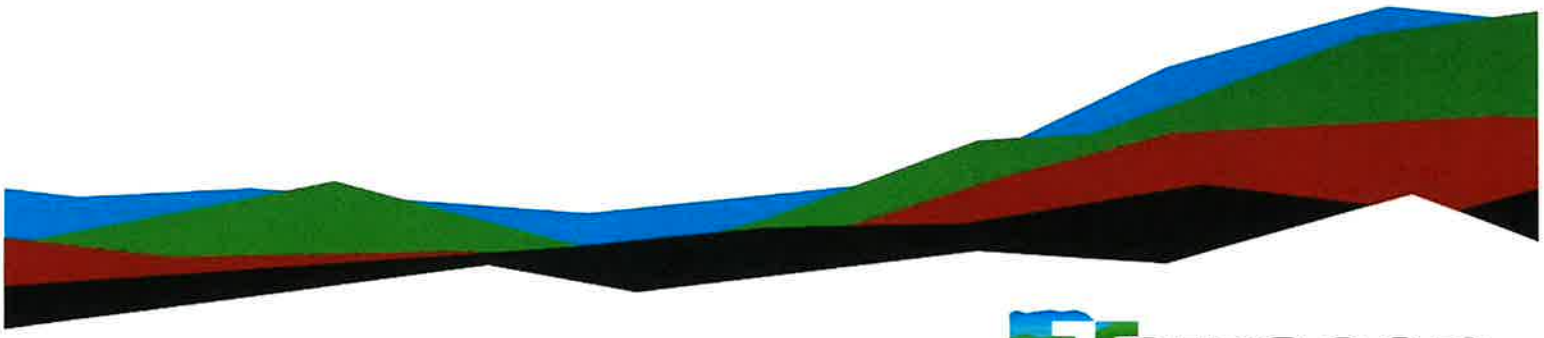
Mobile Lab Storage Building - SCCC

Geotechnical Engineering Report

May 22, 2024 | Terracon Project No. JB245047

Prepared for:

C2 Architecture, PC
24 Airport Road
Schenectady, NY 12302



Terracon
Explore with us

Nationwide
Terracon.com

- Facilities
- Environmental
- Geotechnical

Table of Contents

Introduction 1
Site Conditions 1
Project Description 2
Subsurface Characterization 3
Subsurface Profile 4
Surface Materials and Fill/Possible Fill Soils 4
Native Soils 4
Groundwater Conditions 5
Seismic Site Class 5
Seismic Site Classification 6
Geotechnical Overview 6
Earthwork 7
Site Preparation 8
Fill Material Types 8
Fill Compaction Requirements 9
Grading and Drainage 9
Temporary Excavations 9
Construction Observation and Testing 10
Shallow Foundations 10
Design Parameters – Compressive Loads 11
Foundation Construction Considerations 12
Floor Slabs 13
Floor Slab Design Parameters 13
Floor Slab Construction Considerations 13
Pavements 14
Flexible Pavement Design 14
Temporary Construction Access Roadways 15
Pavement Drainage 15
Pavement Maintenance 16
Frost Considerations 16
General Comments 16
Laboratory Testing 2

Figures

GeoModel

Attachments

Exploration and Testing Procedures

Introduction

This report presents the results of our subsurface exploration and Geotechnical Engineering services performed for the proposed mobile lab storage building at SUNY Schenectady (Schenectady County Community College or SCCC), 78 Washington Avenue in Schenectady, New York. The purpose of these services was to provide information and geotechnical engineering recommendations relative to:

- Subsurface soil conditions
- Groundwater conditions
- Seismic site classification per IBC
- Site preparation and earthwork
- Foundation design and construction
- Floor slab design and construction
- Pavement design and construction
- Frost considerations

The geotechnical engineering Scope of Services for this project included the advancement of two exploratory test borings to depths between 30 and 32 feet below existing site grades, limited laboratory testing of recovered soil samples, an engineering evaluation of the conditions encountered and preparation of this report.

Figures showing the site and test boring locations are included as the attached **Site Location** and **Exploration Plan**, respectively.

Site Conditions

Existing conditions at the site are summarized in the following table.

Item	Description
Parcel Information	The project is located at the SUNY Schenectady campus in Schenectady, NY. Latitude/Longitude (approximate): 42.8152° N/73.9551° W. See **Site Location**.
Existing Improvements	None (edge of existing paved parking area).

Item	Description
Maximum Loads	No building load information was provided. We have assumed foundation loads will not exceed the following: ▪ Columns – 100 kips ▪ Walls – 5 kips/ft ▪ Floors – 250 psf
Grading/Slopes	No proposed grading plan was provided. It appears that new fills between about nil and 3 feet will be required to establish proposed grades based on existing topography and the proposed finish floor elevation.
Below-Grade Structures	None indicated.
Free-Standing Retaining Walls	None indicated.
Pavements	A preferred pavement surfacing has not been identified to us. We will provide recommendations for both flexible (asphalt) and rigid (concrete) pavement sections in our report. The assumed pavement design period is 20 years.
Building Code	2020 Building Code of NYS.

If any of the above information is incorrect, please let us know so we can review the conclusions and recommendations provided in this report for applicability to the actual design and update the report as appropriate.

As the design of the project progresses and site grading plans and building loads are fully developed, we should be retained to assess this site-specific information relative to the recommendations contained herein.

Subsurface Characterization

We have developed a general characterization of the subsurface conditions based upon our review of the subsurface exploration, laboratory data, geologic setting, and our understanding of the project. This characterization, termed GeoModel, forms the basis of our geotechnical analysis and evaluation of the site. Conditions observed at each exploration point are indicated on the individual subsurface logs. The individual logs can be found in the **Exploration Results** section of this report, together with the results of whatever laboratory testing was performed, and the GeoModel can be found in the **Figures** section.

Also note that organics typical of the riparian project setting (minor woody matter and/or rootlets) were occasionally noted in the native soils.

Bedrock was not encountered within the depths explored, 32.0 feet. For informational purposes, bedrock in the site locale is mapped as Canajoharie shale on the Geologic Map of New York (NYS Education Department, 1970).

Groundwater Conditions

Groundwater measurements were made (or attempted) as the boreholes were completed as tabulated below. These measurements should be considered approximate, as adequate time may not have elapsed upon completion of sampling for groundwater to achieve a static level in the augers prior to the measurements being taken.

Exploration Number	Approximate Ground Surface Elevation (ft)	Approximate Depth to Groundwater on Date Drilled (ft)	Approximate Elevation of Groundwater on Date Drilled (ft)
B-1	223.5	14.7	208.8
B-2	224.5	17.0	207.5

Based upon the groundwater measurements from this investigation, it appears the groundwater surface was in general between the elevations of about 207 and 209 feet at the time of investigation.

While not revealed through this study, locally perched or trapped groundwater may at times be found at shallower depths, particularly in the upper fills.

Groundwater conditions, and the extent of any perched water, should be expected to vary with seasonal fluctuations in precipitation and runoff. Additionally, grade adjustments on and around the site, as well as surrounding drainage improvements, may affect the water table. The possibility of groundwater level fluctuations should be considered when developing the design and construction plans for the project.

Seismic Site Class

The seismic design requirements for buildings and other structures are based on Seismic Design Category. Assignment of Site Class is required to determine the Seismic Design Category for a structure. The Site Class is based on the upper 100 feet of the site profile defined by a weighted average value of either shear wave velocity, standard penetration

- Excavated soils where essentially granular and sandy in composition should generally be suitable for reuse as general fill and backfill once cleansed of any oversize particles, unsuitable debris or organics, subject to the approval of the Geotechnical Engineer and based upon the conditions encountered at the time of construction. Excessively silty/clayey or otherwise unsuitable materials should be reused in landscape areas only or wasted off site.

- Prevailing groundwater is generally expected to be below foundation excavation depths and should not be a significant factor in planning for design and construction of the building. Although perched water may be encountered during construction, it is expected to be limited in volume and occur as relatively slow seepage, and standard sump and pump methods should be sufficient for its removal. Perched water or stormwater runoff should not be allowed to collect upon excavated subgrades. Dewatering is a means and methods consideration for the contractor.

The following sections of this report provide more specific recommendations to assist in planning for the geotechnical aspects of the project. We should be provided with the opportunity to review plans and specifications prior to their release for bidding to confirm that our recommendations were properly understood and implemented, and to allow us to refine our recommendations, if warranted, based upon the final design.

The **General Comments** section provides an understanding of the report limitations.

Earthwork

Earthwork is anticipated to include clearing and grubbing, stabilization of subgrade surfaces as necessary, foundation excavation and associated site fill and backfill.

The following sections provide recommendations for use in the preparation of specifications for the work. The recommendations include critical quality criteria as necessary to render the site in the state considered suitable in our geotechnical engineering evaluation for foundations, floor slabs and pavements.

Construction site safety is the sole responsibility of the contractor, who controls the means, methods, and sequencing of construction operations. Under no circumstances shall the information provided herein be interpreted to mean Terracon is assuming responsibility for construction site safety or the contractor's activities; such responsibility is neither implied nor shall it be inferred.

Imported Structural Fill	
Sieve Size	**Percent Finer**
3"	100
¼"	30 to 75
No. 40	5 to 40
No. 200	0 to 10

Selected reuse of excavated site soils may be considered if approved by the Geotechnical Engineer and pending the conditions encountered at the time of construction. Any reuse of the onsite soils would require that excessively silty/clayey material, organics, oversized particles or unsuitable foreign matter found therein be separated and reused in landscape areas only or wasted off-site as appropriate.

Fill Compaction Requirements

New Structural Fill should be placed in uniform loose layers no more than about one-foot thick where heavy vibratory compaction equipment is used. Thinner lifts should be used where hand operated equipment is required for compaction. Each lift should be compacted to no less than 95 percent of the material's maximum dry density as determined by the Modified Proctor Compaction Test, ASTM D1557. In landscape areas, the compaction requirement may be relaxed to 90 percent of maximum dry density.

Grading and Drainage

All grades should be configured to provide effective drainage away from the building during and after construction, with such drainage maintained throughout the life of the structure. Water retained next to buildings can result in soil movements greater than those outlined in this report, which may in turn lead to unsatisfactory differential floor slab and/or foundation displacements, cracked slabs and walls, or roof leaks.

Temporary Excavations

Excavations must be performed in accordance with OSHA 29 CFR, Part 1926, Subpart P and its appendices, along with any state and local codes, as applicable. The contractor

Design Parameters – Compressive Loads

Item	Description
Maximum Net Allowable Bearing Pressure [1, 2]	1,500 pounds per square foot (psf)
Required Bearing Stratum [3]	Structural Fill or clean crushed stone which is placed following minimum 2 feet undercut of foundation subgrades as described below.
Minimum Foundation Dimensions	Columns: 36 inches Continuous: 24 inches
Ultimate Coefficient of Sliding Friction [4]	0.45 (concrete on Structural Fill or clean crushed stone)
Minimum Embedment below Finished Grade [5]	Exterior footings: 48 in. Interior footings in heated areas: 24 in. Interior footings in unheated areas: 48 in.
Estimated Total Settlement from Structural Loads [2,7]	Less than about (1) inch.
Estimated Differential Settlement [2, 6,7]	About 3/4 of total settlement.

1. The maximum net allowable bearing pressure is the pressure in excess of the minimum surrounding overburden pressure at the footing base elevation. Values assume that exterior grades are no steeper than 20% within 10 feet of structure.
2. Values provided are for maximum loads noted in **Project Description**.
3. The bearing grades should be prepared per the recommendations presented below in the **Foundation Construction Considerations**.
4. Can be used to compute sliding resistance where foundations are placed on suitable soil/materials. Should be disregarded for foundations subject to net uplift conditions.
5. Embedment necessary to minimize the effects of frost and/or seasonal water content variations. For sloping ground, maintain depth below the lowest adjacent exterior grade within 5 horizontal feet of the structure. Interior footings in heated areas may be seated at the 24-inch depth if allowed by local building codes.
6. Differential settlements are noted for equivalent-loaded foundations and bearing elevation as measured over a span of 50 feet.
7. Unpredictable settlements may occur if undisclosed pockets of unsuitable debris are present in the fills left in place.

A standard perimeter foundation drain should be provided to collect and relieve water which enters the backfill soils after construction is complete. The drain should consist of nominal four-inch diameter perforated PVC or corrugated HDPE pipe set within ±12

Floor Slabs

As previously indicated, the owner must accept some degree of risk for floor slab settlement if the existing fills are left in place, which may require periodic maintenance. If this risk cannot be accepted, the existing fill should be removed and replaced in its entirety.

Floor Slab Design Parameters

New floor slabs should be constructed upon a minimum eight-inch thick subbase course which conforms to the requirements for NYSDOT Type 2 Subbase or ASTM C33 Blend 57 aggregate. Consideration should be given to using a thicker subbase course in areas subject to heavier loads and/or use, or those exposed to freezing temperatures.

The use of a vapor retarder should be considered beneath concrete slabs on grade to be covered with wood, tile, carpet, or other moisture sensitive or impervious coverings, or when the slab will support equipment sensitive to moisture. When conditions warrant the use of a vapor retarder, the slab designer should refer to ACI 302 and/or ACI 360 for procedures and cautions regarding its use and placement.

Floor slab subgrades should be prepared as outlined in the **Earthwork** section herein. Under these conditions, a modulus of subgrade reaction equal to 150 pounds per cubic inch (psi/in) may be assumed at the top of the stone subbase layer for slab design purposes.

Floor Slab Construction Considerations

Even with the subbase course recommended above, we caution that the subgrades may not support repeated heavy construction traffic or telehandlers without suffering rutting and weaving that may be especially severe during wet seasons. If the grades are to be repeatedly traversed by these types of equipment, they should be reinforced as necessary to support them. Areas which become disturbed should be excavated and stabilized accordingly.

The Geotechnical Engineer should approve the condition of floor slab subgrades immediately prior to placement of the subbase course. Attention should be paid to high traffic areas that were rutted and disturbed earlier, and to areas where backfilled trenches are located.

Flexible Pavement Design				
Layer	**Material Description**	**NYSDOT Reference (Jan. 2024 Standard Specifications)**	**Thickness (inches)**	
			Light Duty	**Heavy Duty**
Top	Asphaltic Concrete	Item 404.127301	1.5	1.5
Binder	Asphaltic Concrete	Item 404.257901[1]	2.0	3.0
Subbase	Crusher-Run Stone	Item 733-0402 (Type 2)	8	12
Fabric	Stabilization Geotextile	Table 737-01E	Single Ply	Single Ply

1. If the binder course will be subject to traffic throughout the winter during construction, Item 404.197901 base should be used, otherwise, we recommend using Item 404.257901.
2. Stabilization geotextile should conform to <50% elongation minimum class strength requirements.

Rigid concrete pavements, if any, should be provided with a minimum eight-inch thick base of crusher-run stone (NYSDOT Item 733-0402, Type 2 material) placed over a stabilization geotextile. The pavements may be designed assuming a modulus of subgrade reaction equal to 150 pounds per cubic inch at the top of the base layer.

Temporary Construction Access Roadways

The recommended pavement sections are not intended to support heavy construction equipment loads which may require thicker sections. The contractor should construct temporary haul routes and construction roadways on site as appropriate for the weather conditions and the equipment in use, with consideration to the soil conditions encountered in specific areas. Construction traffic should not be routed across the recommended pavement sections unless augmented accordingly.

Pavement Drainage

Accumulation of water on pavement subgrades should be avoided by grading the subgrade to a slope of at least two percent, and/or by providing underdrains. Failure to provide adequate drainage will shorten pavement life.

accordance with generally accepted geotechnical engineering practices with no third-party beneficiaries intended. Any third-party access to services or correspondence is solely for information purposes to support the services provided by Terracon to our client. Reliance upon the services and any work product is limited to our client and is not intended for third parties. Any use or reliance of the provided information by third parties is done solely at their own risk. No warranties, either express or implied, are intended or made.

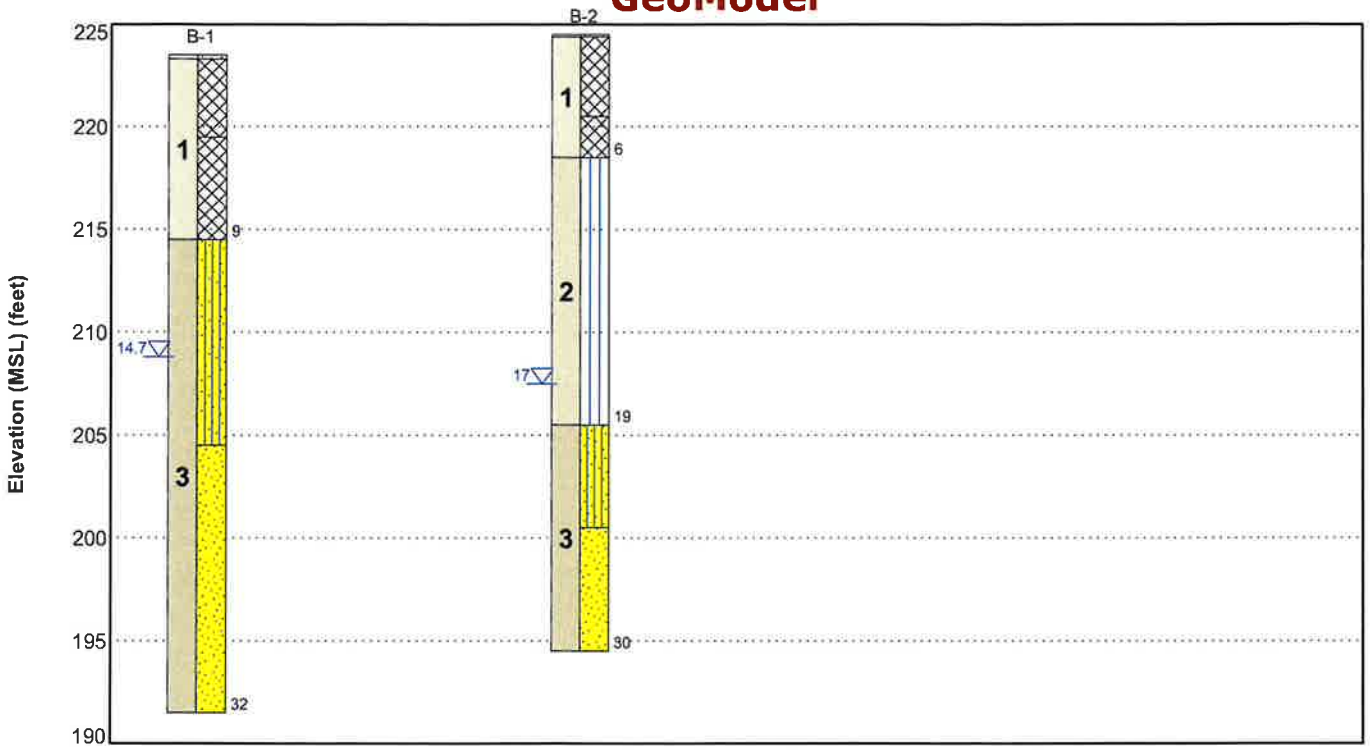
Site characteristics as provided are for design purposes and not to estimate excavation cost. Any use of our report in that regard is done at the sole risk of the excavating cost estimator as there may be variations on the site that are not apparent in the data that could significantly impact excavation cost. Any parties charged with estimating excavation costs should seek their own site characterization for specific purposes to obtain the specific level of detail necessary for costing. Site safety and cost estimating, including excavation support and dewatering requirements/design, are the responsibility of others.

Construction and site development have the potential to affect adjacent properties. Such impacts can include damages due to vibration, modification of groundwater/surface water flow during construction, foundation movement due to undermining or subsidence from excavation, as well as noise or air quality concerns. Evaluation of these items on nearby properties are commonly associated with contractor means and methods and are not addressed in this report. The owner and contractor should consider performing a preconstruction/precondition survey of surrounding development. If changes in the nature, design, or location of the project are planned, our conclusions and recommendations shall not be considered valid unless we review the changes and either verify or modify our conclusions in writing.

Mobile Lab Storage Bldg - SCCC
78 Washington Avenue | Schenectady, NY
Terracon Project No. JB245047

Terracon
30 Corporate Cir Ste 201
Albany, NY

GeoModel



This is not a cross section. This is intended to display the Geotechnical Model only. See individual logs for more detailed conditions.

Model Layer	Layer Name	General Description
1	**Fill/Possible fill**	Variable mixture of sand, silt and gravel with cinders, asphalt, and organics noted.
2	**Native fine-grained soils**	Primarily silt with lesser amounts of sand, very soft to soft.
3	**Native coarse-grained soils**	Primarily sand with lesser amounts of silt, very loose to medium dense.

LEGEND

- Topsoil
- Fill
- Silty Sand
- Poorly-graded Sand
- Silt

▽ First Water Observation

The groundwater levels shown are representative of the date and time of our exploration. Significant changes are possible over time.
Water levels shown are as measured during and/or after drilling. In some cases, boring advancement methods mask the presence/absence of groundwater. See individual logs for details.

NOTES:
Layering shown on this figure has been developed by the geotechnical engineer for purposes of modeling the subsurface conditions as required for the subsequent geotechnical engineering for this project. Numbers adjacent to soil column indicate depth below ground surface.

Exploration and Testing Procedures

Field Exploration

Number of Borings	Approximate Boring Depth (feet)	Location
2	30 to 32	Building area

Boring Layout and Elevations: The test boring locations were selected and were established in the field by Terracon using a hand-held GPS unit (estimated horizontal accuracy of ±10 feet) and/or visual reference or taped measurements from existing site features.

Approximate ground surface elevations at the test boring locations were obtained by interpolation from the previously referenced "Reference Site Plan" topographic mapping. If more precise locations and/or elevations are desired, the as-completed test locations should be surveyed.

Subsurface Exploration Procedures: The test borings were completed using a standard rotary drill rig equipped with hollow stem augers. As the augers were advanced, the soils were sampled at intervals of five feet or less in accordance with the Standard Method for Penetration Test and Split-Barrel Sampling of Soils, ASTM D1586. In the split-barrel sampling procedure, a standard 2-inch outer diameter split-barrel sampling spoon is driven into the ground by a 140-pound automatic hammer falling 30-inches per blow. The number of blows required to advance the sampling spoon the middle 12-inches of a normal 24-inch penetration is recorded as the Standard Penetration Test (SPT) resistance value. The SPT resistance values, also referred to as N-values, are indicated on the boring logs at the corresponding test depths. Upon completion of drilling, the boreholes were backfilled with auger cuttings, sand and/or concrete cylinders.

Our exploration team prepared field boring logs as part of the drilling operations. These field logs included visual descriptions of the materials encountered during drilling and our interpretation of the subsurface conditions between samples. The sampling depths, penetration lengths, blow counts, water level measurements and other information as applicable were recorded on the field boring logs.

The soil samples were placed in appropriate containers and taken to our laboratory for visual classification by a geologist or geotechnical engineer. The soils were described based on the material's color, texture, plasticity, moisture condition, etc. Soil classifications are in general accordance with the Unified Soil Classification System (USCS) as summarized herein. Final boring logs were prepared, and they represent the Geotechnical Engineer's interpretation based on the field logs and visual classifications, along with whatever laboratory testing that was performed.

Site Location and Exploration Plans

Contents:

Site Location Plan
Exploration Plan

Note: All attachments are one page unless noted above.

Exploration Plan

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES. BASE MAP FURNISHED BY CLIENT.

Mobile Lab Storage Bldg - SCCC
78 Washington Avenue | Schenectady, NY
Terracon Project No. JB245047

Terracon
30 Corporate Cir Ste 201
Albany, NY

Boring Log No. B-1

Location: See Exploration Plan

Latitude: 42.8152° Longitude: -73.9553°

Depth (Ft.) | Elevation: 223.5 (Ft.) +/-

Model Layer	Graphic Log	Depth (Ft.)	Elevation	Description	Recovery (In.)	Field Test Results	Water Content (%)
		0.2	223.3	**2" TOPSOIL**			
1				**FILL - SILTY SAND**, rootlets noted, trace gravel, dark brown	20	5-4-5-4 N=9	18.3
				- cinders and asphalt noted	22	4-4-2-2 N=6	
		4.0	219.5	**POSSIBLE FILL - SANDY SILT**, organics noted, grayish brown, very soft	23	WH-WH-WH-WH	
				- grades silty sand, very loose	24	WH-WH-WH-WH	43.2
		9.0	214.5	**SILTY SAND (SM)**, brown, very loose	22	WH-WH-WH-WH	
				- similar, gray mottling noted	20	WH-WH-WH-WH	28.8
		19.0	204.5	**POORLY GRADED SAND (SP)**, trace silt, brown, very loose to medium dense	19	WH-WH-WH-2	
3					18	5-6-5-3 N=11	
				- similar, grades gray	8	7-8-5-4 N=13	
		32.0	191.5	***Boring Terminated at 32 Feet***			

Depth (Ft.): 5, 10, 15, 20, 25, 30

Water Level Observations: ▽ While drilling

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).

See Supporting Information for explanation of symbols and abbreviations.

Notes

Elevation Reference: Elevations were interpolated from a topographic site plan.

WH = Weight of Hammer

Advancement Method
2-1/4" ID HSA

Abandonment Method
Boring backfilled with soil cuttings upon completion.

Drill Rig
Diedrich D-50

Hammer Type
Automatic

Driller
S. Loiselle

Logged by
AEB

Boring Started
04-09-2024

Boring Completed
04-09-2024

Mobile Lab Storage Bldg - SCCC
78 Washington Avenue | Schenectady, NY
Terracon Project No. JB245047

terracon
30 Corporate Cir Ste 201
Albany, NY

Summary of Laboratory Results

Boring ID	Depth (Ft.)	Soil Classification USCS	Liquid Limit	Plastic Limit	Organic Moisture Content (%)	Organic Content (%)	% Clay	% Fines	% Sand	% Gravel	% Silt	Water Content (%)
B-1	0-2	SILTY SAND						42.2	50.1	7.6		18.3
B-1	6-8	SILTY SAND			43	6.3		18.3	79.3	2.5		43.2
B-1	15-17	SILTY SAND						29.3	70.7	0.0		28.8
B-2	2-4	SANDY SILT						50.8	49.0	0.3		21.2

Supporting Information

Contents:

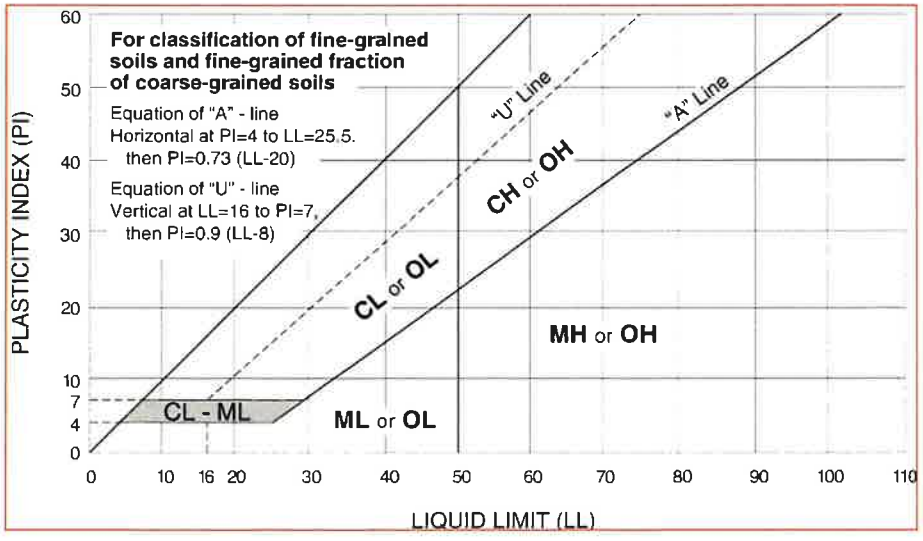
General Notes
Unified Soil Classification System

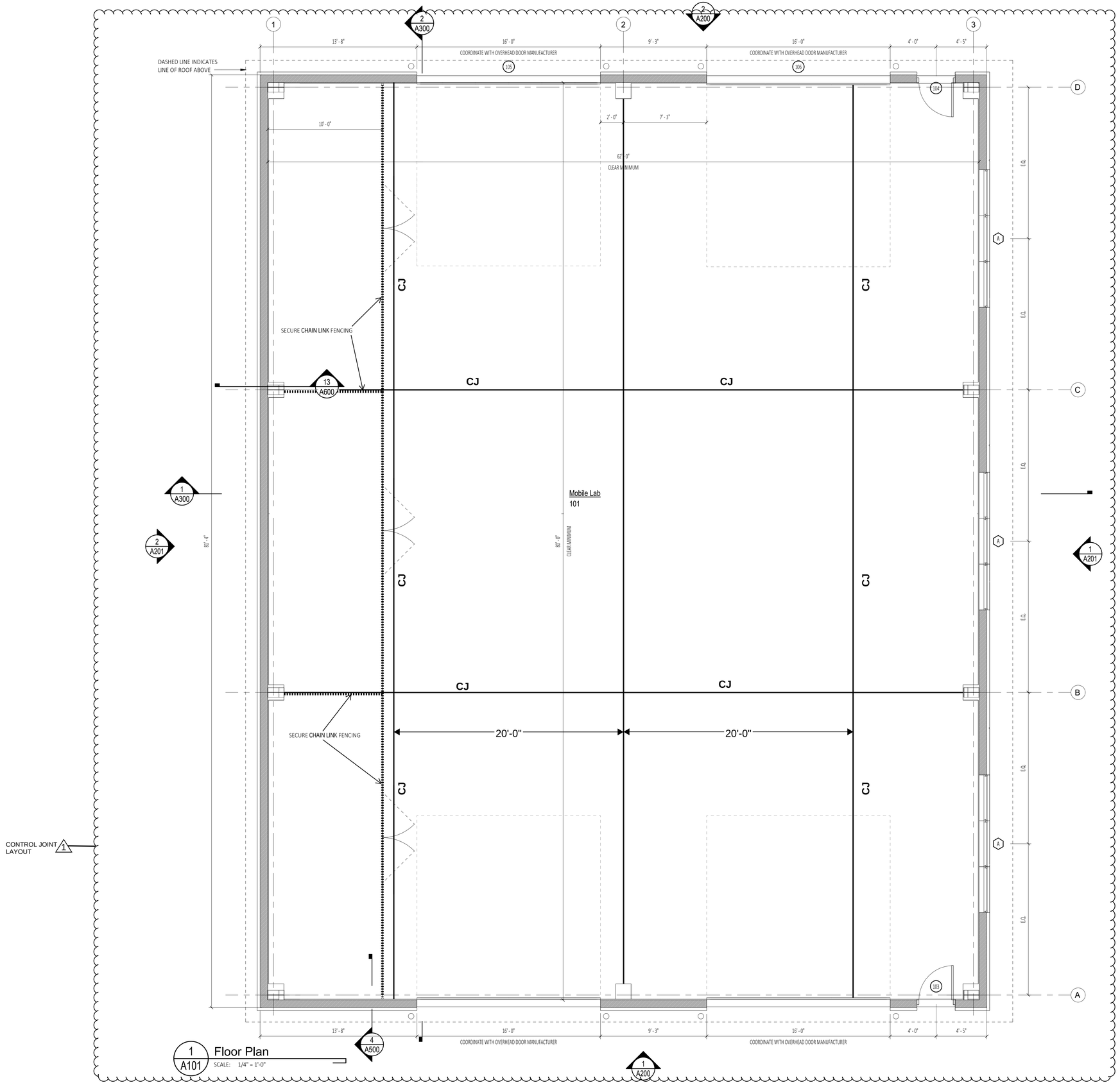
Note: All attachments are one page unless noted above.

Unified Soil Classification System

Criteria for Assigning Group Symbols and Group Names Using Laboratory Tests [A]				Soil Classification	
				Group Symbol	Group Name [B]
Coarse-Grained Soils: More than 50% retained on No. 200 sieve	**Gravels:** More than 50% of coarse fraction retained on No. 4 sieve	**Clean Gravels:** Less than 5% fines [C]	Cu≥4 and 1≤Cc≤3 [E]	GW	Well-graded gravel [F]
			Cu<4 and/or [Cc<1 or Cc>3.0] [E]	GP	Poorly graded gravel [F]
		Gravels with Fines: More than 12% fines [C]	Fines classify as ML or MH	GM	Silty gravel [F, G, H]
			Fines classify as CL or CH	GC	Clayey gravel [F, G, H]
	Sands: 50% or more of coarse fraction passes No. 4 sieve	**Clean Sands:** Less than 5% fines [D]	Cu≥6 and 1≤Cc≤3 [E]	SW	Well-graded sand [I]
			Cu<6 and/or [Cc<1 or Cc>3.0] [E]	SP	Poorly graded sand [I]
		Sands with Fines: More than 12% fines [D]	Fines classify as ML or MH	SM	Silty sand [G, H, I]
			Fines classify as CL or CH	SC	Clayey sand [G, H, I]
Fine-Grained Soils: 50% or more passes the No. 200 sieve	**Silts and Clays:** Liquid limit less than 50	**Inorganic:**	PI > 7 and plots above "A" line [J]	CL	Lean clay [K, L, M]
			PI < 4 or plots below "A" line [J]	ML	Silt [K, L, M]
		Organic:	$\frac{LL\ oven\ dried}{LL\ not\ dried} < 0.75$	OL	Organic clay [K, L, M, N] / Organic silt [K, L, M, O]
	Silts and Clays: Liquid limit 50 or more	**Inorganic:**	PI plots on or above "A" line	CH	Fat clay [K, L, M]
			PI plots below "A" line	MH	Elastic silt [K, L, M]
		Organic:	$\frac{LL\ oven\ dried}{LL\ not\ dried} < 0.75$	OH	Organic clay [K, L, M, P] / Organic silt [K, L, M, Q]
Highly organic soils:	Primarily organic matter, dark in color, and organic odor			PT	Peat

[A] Based on the material passing the 3-inch (75-mm) sieve.
[B] If field sample contained cobbles or boulders, or both, add "with cobbles or boulders, or both" to group name.
[C] Gravels with 5 to 12% fines require dual symbols: GW-GM well-graded gravel with silt, GW-GC well-graded gravel with clay, GP-GM poorly graded gravel with silt, GP-GC poorly graded gravel with clay.
[D] Sands with 5 to 12% fines require dual symbols: SW-SM well-graded sand with silt, SW-SC well-graded sand with clay, SP-SM poorly graded sand with silt, SP-SC poorly graded sand with clay.
[E] $Cu = D_{60}/D_{10}$ $Cc = \frac{(D_{30})^2}{D_{10} \times D_{60}}$
[F] If soil contains ≥ 15% sand, add "with sand" to group name.
[G] If fines classify as CL-ML, use dual symbol GC-GM, or SC-SM.
[H] If fines are organic, add "with organic fines" to group name.
[I] If soil contains ≥ 15% gravel, add "with gravel" to group name.
[J] If Atterberg limits plot in shaded area, soil is a CL-ML, silty clay.
[K] If soil contains 15 to 29% plus No. 200, add "with sand" or "with gravel," whichever is predominant.
[L] If soil contains ≥ 30% plus No. 200 predominantly sand, add "sandy" to group name.
[M] If soil contains ≥ 30% plus No. 200, predominantly gravel, add "gravelly" to group name.
[N] PI ≥ 4 and plots on or above "A" line.
[O] PI < 4 or plots below "A" line.
[P] PI plots on or above "A" line.
[Q] PI plots below "A" line.





1 A101 Floor Plan
SCALE: 1/4" = 1'-0"

NOTE:
STRUCTURAL DESIGN IS BY DELEGATED DESIGN ENGINEER. DELEGATED DESIGN WORK INCLUDES PRE-ENGINEERED METAL BUILDING SUPERSTRUCTURE (INCLUDING, BUT NOT LIMITED TO COLUMNS, BEAMS, PURLINS, GIRTS, BRACING, AND OPENING FRAMES), AND FOUNDATION. DESIGN SHALL BE IN ACCORDANCE WITH THE CURRENT BUILDING CODE OF NEW YORK STATE AND NOTES ON DRAWINGS.
SEE DELEGATED DESIGN DRAWINGS FOR FINAL SIZES OF FOUNDATION, FOOTINGS, AND REINFORCING.

C2 DESIGN GROUP
www.C2-DesignGroup.com
24 Airport Road
Schenectady, NY 12302
518.320.8250

Owner:
SUNY Schenectady CCC
78 Washingtown Ave
Schenectady, NY 12305

Architect:
C2 Architecture, PC
24 Airport Road
Schenectady, NY 12302

Civil:
Engineering Ventures
414 Union Street
Schenectady, NY 12305

Mechanical Electrical:
Engineered Solutions
646 Plank Road #104
Clifton Park, NY 12065

Stamp:

Project:
NEW CONSTRUCTION FOR:
SUNY SCCC MOBILE LAB GARAGE
78 Washington Ave Schenectady, NY 12305

RFB 2024-19 (BID SET)

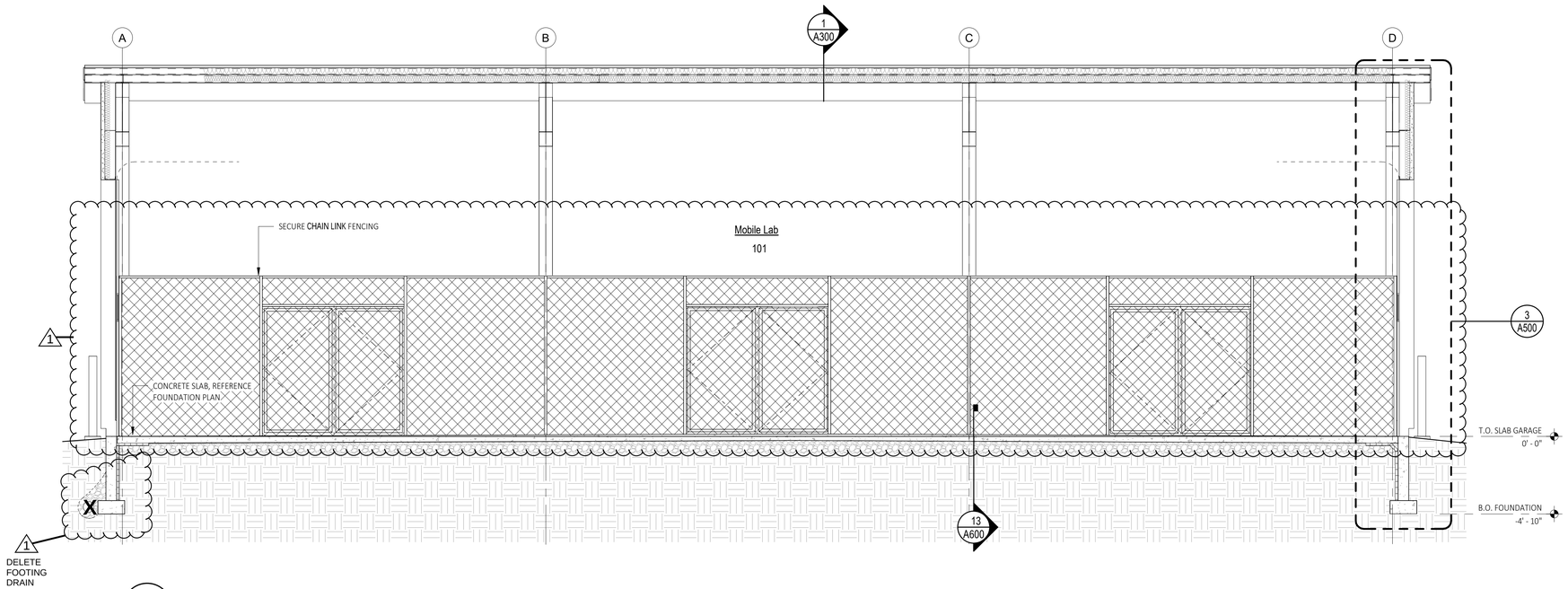
No.	REVISION #	DATE:
1	ADDENDUM #01	6/17/24

Drawn By:	C2 Architecture
Scale:	As Noted
Date:	05/17/2024
Job No:	C2-2369
Sheet Title:	FLOOR PLAN
Sheet Number:	A101

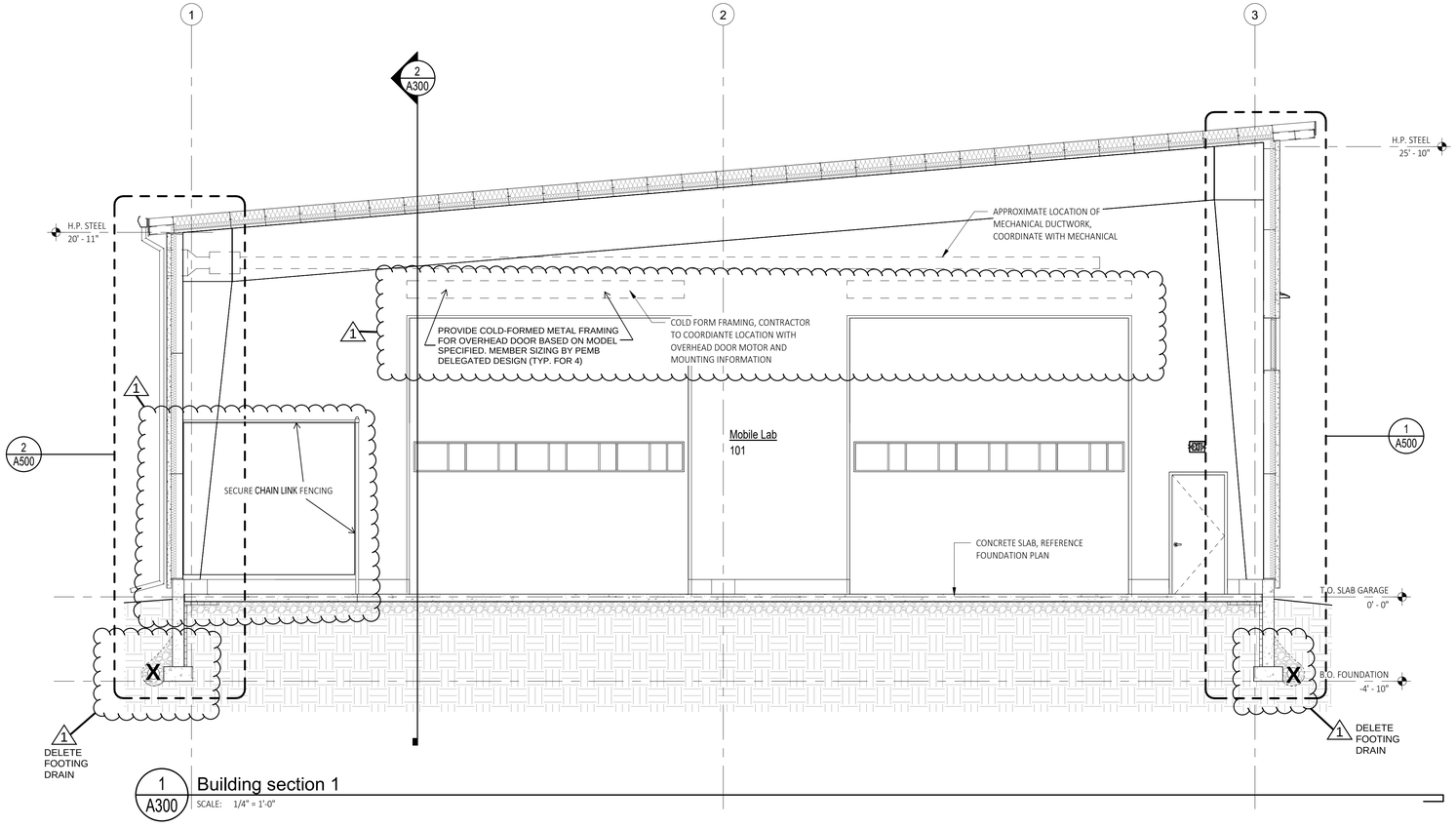
PROJECT NORTH
TRUE NORTH

PLOT DATE: 5/17/2024 12:56:05 PM

NOTE:
STRUCTURAL DESIGN IS BY DELEGATED DESIGN ENGINEER. DELEGATED DESIGN WORK INCLUDES PRE-ENGINEERED METAL BUILDING SUPERSTRUCTURE (INCLUDING, BUT NOT LIMITED TO COLUMNS, BEAMS, PURLINS, GIRTS, BRACING, AND OPENING FRAMES), AND FOUNDATION. DESIGN SHALL BE IN ACCORDANCE WITH THE CURRENT BUILDING CODE OF NEW YORK STATE AND NOTES ON DRAWINGS.
SEE DELEGATED DESIGN DRAWINGS FOR FINAL SIZES OF FOUNDATION, FOOTINGS, AND REINFORCING.



2 A300 Building Section 2
SCALE: 1/4" = 1'-0"



1 A300 Building section 1
SCALE: 1/4" = 1'-0"

C2 DESIGN GROUP
www.C2-DesignGroup.com
24 Airport Road
Schenectady, NY 12302
518.320.8250

Owner:
SUNY Schenectady CCC
78 Washington Ave
Schenectady, NY 12305

Architect:
C2 Architecture, PC
24 Airport Road
Schenectady, NY 12302

Civil:
Engineering Ventures
414 Union Street
Schenectady, NY 12305

Mechanical Electrical:
Engineered Solutions
646 Plank Road #104
Clifton Park, NY 12065

Stamp:

Project:
NEW CONSTRUCTION FOR:
SUNY SCCC MOBILE LAB GARAGE
78 Washington Ave Schenectady, NY 12305

RFB 2024-19 (BID SET)

No.	REVISION #	DATE:
1	ADDENDUM #01	6/17/24

Drawn By:	C2 Architecture
Scale:	As Noted
Date:	05/17/2024
Job No:	C2-2369

Sheet Title:
BUILDING SECTIONS

Sheet Number:
A300

PLOT DATE: 5/17/2024 12:56:07 PM

RFB-2024-19 - SUNY SCCC MOBILE LAB GARAGE
ADDENDUM #1 - 6/17/24 - Under-slab stone

CONSTRUCTION TECHNOLOGY

INSPECTION & TESTING DIVISION, P.D.& T.S., INC.
4 William Street, Ballston Lake, New York 12019
Phone: (518) 399-1848 Email: constructiontech@live.com

CLIENT: **Wm. LARNED & SONS, INC.**
544 BURDECK STREET
SCHENECTADY, NEW YORK 12306

REPORT DATE: 03/09/23
SAMPLE NUMBER: 23036
OUR FILE NO: 331.018

Robert Behan

ATT'N: MS. SUZANNE YOUNG
REVIEWED BY: ROBERT BEHAN, NICET

PROJECT: **2021 LABORATORY MATERIALS EVALUATION**

ASTM C136 / C117 / D422: SIZE DISTRIBUTION OF SOIL & AGGREGATES: SIEVE ANALYSIS

MATERIAL SOURCE: **CLIENT ID: #1 & #2 STONE**
MATERIAL DESCRIPTION: CRUSHED STONE sized as: GRAVEL, fine; trace Sand; trace Silt/Clay
MATERIAL PROJECT USE: PER CLIENT
EVALUATION SPECIFICATION: PER CLIENT

COARSE SIEVE SERIES: US STANDARD			
SIEVE SIZE	PERCENT RETAINED	PERCENT PASSING	SPECIFICATION ALLOWANCE
4"			
3"			
2 1/2"			
2"			
1 1/2"		100.0	
1"	7.7	92.3	
3/4"	29.6	70.4	
1/2"	51.2	48.8	
3/8"	71.9	28.1	

MEDIUM SIEVE SERIES: US STANDARD			
SIEVE SIZE	PERCENT RETAINED	PERCENT PASSING	SPECIFICATION ALLOWANCE
1/4"	93.3	6.7	
#4	95.7	4.3	
1/8"			
#8	97.0	3.0	
#10			
#16	97.5	2.5	
#20			
#30	97.9	2.1	
#40	98.0	2.0	

FINE SIEVE SERIES: US STANDARD			
SIEVE SIZE	PERCENT RETAINED	PERCENT PASSING	SPECIFICATION ALLOWANCE
#50	98.0	2.0	
#60			
#80			
#100	98.2	1.8	
#140			
#200	98.5	1.5	
SILT			
CLAY			
COLLOID			

NOTICE TO BIDDERS
RFB-2024-19
SUNY SCCC MOBILE LAB GARAGE

The County of Schenectady will be accepting bids for the *SUNY SCCC Mobile Lab Garage at 78 Washington Ave*., Schenectady, NY 12305. There will be three prime contracts.

Digital copies of specifications may be obtained from BidNet Direct at www.bidnetdirect.com/new-york or by submitting a request to the Purchasing Department at purchasing@schenectadycountyny.gov. Paper copies may be picked up at the Purchasing Department, 2nd Floor, Schenectady County Office Building at 620 State Street, Schenectady, New York, 12305 between the hours of 9:00 A.M. and 4:00 P.M. weekdays, but must be requested via email 24 hours in advance.

A pre-bid walkthrough will be held on June 6, 2024, at 2:00 PM at the SUNY SCCC East Campus Parking Lot, 78 Washington Ave., Schenectady, NY 12305. Those interested are asked to meet out front of the facility.

All proposals must be delivered in a sealed envelope marked "Bid" and stating ***SUNY SCCC Mobile Lab Garage, RFB-2024- 19***, to the Purchasing Agent, no later than June 20, 2024, at 2:00 PM at which time they will be opened.

Bid Security shall be submitted with each bid as described in General Instructions to Bidders.

Woman and minority owned businesses are encouraged to submit proposals. Schenectady County is an Equal Employment Opportunity/Affirmative Action employer.

Schenectady County will make any investigation it deems necessary to determine the responsibility of any bidder to perform the work. The County reserves the right to reject any bid if an investigation of the bidder fails to satisfy the county that the bidder is responsible and can carry out the obligations of the contract.

Schenectady County reserves the right to waive any informality in a bid or to reject any or all bids.

Purchasing Department
County of Schenectady
Schenectady County Office Building
620 State Street-2nd Floor
Schenectady, NY 12305
(518) 388-4240

1.0 Bid Identification

1.1 SUNY SCCC Mobile Lab Garage

2.0 Requesting Department

2.1 Schenectady County Office of Facilities

3.0 Bid Number

3.1 RFB-2024-19

4.0 Purpose

4.1 The intent of these specifications is to gather bids for SUNY SCCC Mobile Lab Garage located at the East campus parking lot, 78 Washington Ave, Schenectady NY 12305.

4.2 Minority Business Enterprises (MBE's) and Women Business Enterprises (WBE's) are encouraged to apply.

5.0 Bid Submission Deadline

5.1 Bids must be received to the Purchasing Department no later than June 20, 2024 at 2:00PM at which time they will be opened and reviewed.

5.2 Bids must be clearly marked with the BID NAME and NUMBER.

5.3 Bids must be submitted to Schenectady County Purchasing Department, County Office Building, 620 State St., Schenectady, NY 12305.

5.4 Delay in mail delivery is NOT an exception; allowance for timely arrival should be made. Bids received late will be rejected.

6.0 Bid Bond

6.1 A 5 % bid bond on the total bid submitted must be included with this bid.

7.0 Bid Schedule

7.1 June 6, 2024, at 2:00 PM: On Site Walkthrough will be held at the East campus parking lot, 78 Washington Ave, Schenectady NY.

7.1.1 While Bid Walk throughs are not mandatory, it is highly encouraged that the contractor make every effort to see the site/facility/space prior to bidding. The contractor is responsible for all means, methods, and existing conditions that would be noticed or questioned by visiting the site prior to bidding.

7.1.2 Should the contractor not be able to make the designated walk through, they should email purchasing@schenectadycountyny.gov for an appointment to see the space.

7.2 June 13, 2024, at 2:00 PM: Last Date for questions to be submitted regarding this project.

7.2.1 Questions should be submitted to purchasing@schenectadycountyny.gov. Please do not call with questions; they must be received in writing.

7.2.2 Responses to questions will be issued via Addendum only to all parties who have been formally added to the plan holder's list. To be added to the plan holder's list, your plans MUST have been downloaded from BidNet Direct or requested from the Schenectady County Purchasing Department purchasing@schenectadycountyny.gov or via mail send to Attn: Purchasing Agent, Schenectady County – Purchasing (2nd Floor), 620 State St., Schenectady, NY, 12305 (518.388.4240).

7.2.3 Corrections or written instructions to all bidders will be issued via written addenda.

7.2.4 Addenda will be published electronically to all entities listed on the plan holder's list.

7.2.5 The County will not be responsible for any oral instructions or interpretations of the meaning of specifications or other contract documents to any bidder by any person or person(s).

A. PROJECT IDENTIFICATION:

RFB-2024-19: SUNY SCCC Mobile Lab Garage

Contract No 2: Mechanical and Plumbing Contractor (MP)

THIS BID IS SUBMITTED TO:

Schenectady County Purchasing
620 State Street, 2nd Floor
Schenectady, New York 12305-2114
(518) 388-4240

The undersigned BIDDER proposes and agrees, if this BID is accepted, to enter into an Agreement with COUNTY in the form included in the Contract Documents to complete all work as specified or indicated in the Contract Documents for the Contract Price and by the completion date indicated in the Agreement and in accordance with the Contract Documents.

BIDDER accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid Security. This Bid will remain open for forty-five (45) days after the day of Bid opening. BIDDER will sign the Agreement and submit the Contract Security and other documents required by the Contract Documents within fifteen (15) days after the date of COUNTY'S Notice of Award.

In submitting this BID, BIDDER represents that:

(f) BIDDER has examined the site and locality where the work is to be performed, the legal requirements (federal, state, and local laws, ordinances, rules and regulations) and the conditions affecting cost, progress or performance of the work and has made such independent investigations as BIDDER deems necessary;

(g) This BID is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any Agreement or rules of any group, association, organization or corporation; BIDDER has not directly or indirectly induced or solicited or induced any person, firm or a corporation to refrain from bidding; and BIDDER has not sought by collusion to obtain for himself any advantage over any other BIDDER or over COUNTY;

(h) BIDDER will complete the work for the bid submitted below.

(i) BIDDER HAS EXAMINED COPIES OF ALL THE CONTRACT DOCUMENTS.

(j) BIDDER acknowledges the receipt of the following addenda and has included these requirements in the Bid. (If none, so state and affix signature).

Addendum #	Date

SUNY SCCC MOBILE LAB GARAGE: CONTRACT #2 - _MECHANICAL AND PLUMBING CONTRACTOR (MP)

$_____ + $__5,000____ = $_____
BASE BID Allowance Total Bid Amount

_____
(TOTAL WRITTEN AMOUNT)

The following documents are attached to and made a part of this bid:

l) Certified Copy of Resolution of Board of Directors
m) Non-Collusion Bid Certification
n) Iranian Divestment Form
o) Disclosure of Prior Non-Responsibility Determinations
p) Certification for the Prevention of Sexual Harassment
q) Subcontractors Listing
r) Bidder's Qualifications
s) Apprenticeship Form (if required)
t) MWBE Documents (if required)
u) Bid Bond
v) W-9

BIDDER:

Legal Name of Person, Partnership, or Corporation

Authorized Signature

Type or Print Name

Date Submitted

BIDDER ADDRESS:

Street

City State Zip Code

Telephone Number

Facsimile Number

Email Address

Website

Federal Employer Identification Number

A. PROJECT IDENTIFICATION:

RFB-2024-19: SUNY SCCC Mobile Lab Garage

Contract No 3: Electrical (E)

THIS BID IS SUBMITTED TO:

Schenectady County Purchasing
620 State Street, 2nd Floor
Schenectady, New York 12305-2114
(518) 388-4240

The undersigned BIDDER proposes and agrees, if this BID is accepted, to enter into an Agreement with COUNTY in the form included in the Contract Documents to complete all work as specified or indicated in the Contract Documents for the Contract Price and by the completion date indicated in the Agreement and in accordance with the Contract Documents.

BIDDER accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid Security. This Bid will remain open for forty-five (45) days after the day of Bid opening. BIDDER will sign the Agreement and submit the Contract Security and other documents required by the Contract Documents within fifteen (15) days after the date of COUNTY'S Notice of Award.

In submitting this BID, BIDDER represents that:

(k) BIDDER has examined the site and locality where the work is to be performed, the legal requirements (federal, state, and local laws, ordinances, rules and regulations) and the conditions affecting cost, progress or performance of the work and has made such independent investigations as BIDDER deems necessary;

(l) This BID is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any Agreement or rules of any group, association, organization or corporation; BIDDER has not directly or indirectly induced or solicited or induced any person, firm or a corporation to refrain from bidding; and BIDDER has not sought by collusion to obtain for himself any advantage over any other BIDDER or over COUNTY;

(m) BIDDER will complete the work for the bid submitted below.

(n) BIDDER HAS EXAMINED COPIES OF ALL THE CONTRACT DOCUMENTS.

(o) BIDDER acknowledges the receipt of the following addenda and has included these requirements in the Bid. (If none, so state and affix signature).

Addendum #	Date

SUNY SCCC MOBILE LAB GARAGE: CONTRACT #3 - _ ELECTRICAL CONTRACTOR (E)

$_____ + $__5,000____ = $_____

BASE BID | Allowance | Total Bid Amount

_____

(TOTAL WRITTEN AMOUNT)

The following documents are attached to and made a part of this bid:

w) Certified Copy of Resolution of Board of Directors
x) Non-Collusion Bid Certification
y) Iranian Divestment Form
z) Disclosure of Prior Non-Responsibility Determinations
aa) Certification for the Prevention of Sexual Harassment
bb) Subcontractors Listing
cc) Bidder's Qualifications
dd) Apprenticeship Form (if required)
ee) MWBE Documents (if required)
ff) Bid Bond
gg) W-9

BIDDER:

Legal Name of Person, Partnership, or Corporation

Authorized Signature

Type or Print Name

Date Submitted

BIDDER ADDRESS:

Street

City State Zip Code

Telephone Number

Facsimile Number

Email Address

Website

Federal Employer Identification Number

C. Coordinate and process submittals for allowance items in same manner as for other portions of the Work.

1.4 CONTINGENCY ALLOWANCES

A. Use the contingency allowance only as directed by Architect for Owner's purposes and only by allowance disbursement form that indicate amounts to be charged to the allowance.

B. First two paragraphs below provide an equitable way to reimburse Contractor for unknown costs associated with contingency allowances. Retain first paragraph because contingency allowances differ from lump-sum and unit-cost allowances. Contractor does not know what Owner will use contingency allowances for when preparing the bid. See Evaluations.

C. Contractor's overhead, profit, and related costs for products and equipment provided under the allowance shall be included in the Contract Price but not in the allowance, which is stipulated in the General and Supplementary Conditions – Office of Facilities V2017.1.

D. At Project closeout, credit unused amounts remaining in the contingency allowance to Owner by Change Order.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine products covered by an allowance promptly on delivery for damage or defects. Return damaged or defective products to manufacturer for replacement.

3.2 PREPARATION

A. Coordinate materials and their installation for each allowance with related materials and installations to ensure that each allowance item is completely integrated and interfaced with related work.

3.3 SCHEDULE OF ALLOWANCES

A. Include the following allowances within the base bid:

1. Contract #1 (GC)…….....$25,000
2. Contract #2 (MP)…….....$5,000
3. Contract #3 (E)…….....$5,000