



August 30, 2023

To: ALL PLAN HOLDERS

Re: Port Ewen Fire District

Pages: 25 (including this sheet)

Port Ewen Firehouse Construction Project

Addendum #3

Contracts for Construction

The following items in this addendum apply to the Port Ewen Firehouse Construction Project:

ITEM #41: ADDITION – CONTRACT #1E – Drawing Sheet E201

- Added emergency exit lights to the floor plan.
- See attached plan with revisions.

ITEM #42: CORRECTION – CONTRACT #1G & #1P – Summary of Work

- Contract #1P shall furnish and install the gas service from the Central Hudson main on Town Hall Way including the shutoff valve and valve box. Contract #1P shall furnish and install the natural gas meter and line components from the shutoff valve and into the building.
- Contract #1G shall provide the trenching, saw cutting of the Town Hall Way, and backfill.

ITEM #43: CLARIFICATION – CONTRACT #1E – Drawing E010

- Conduit A4.1 shall be furnished and installed by the electrical contractor from the firehouse to route 9W following the path of the underground electrical service. See C104 for the underground electrical service routing.

ITEM #44: ADDITION – CONTRACT #1E – Proposed Sign

- The electrical contractor shall furnish and install a 20A, 240V circuit from the firehouse to the proposed sign seen on C-105. This circuit shall contain 4#10 in a 1" conduit and be routes along the underground electrical service path.

ITEM #45: CLARIFICATION – CONTRACT #1G & #1P – Water Service

- The general contractor shall furnish and install the water service to withing 5' of the building. The plumbing contractor shall install the remainder of the water service.

ITEM #46: REVISION – CONTRACT #1E – Drawing E-020

- Relocated one LA-IVFT fixture to the firehouse side of Town Hall Way.
- See attached plan with revisions.

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ITEM #47: REVISION – CONTRACT #1H – Drawing M101

- Revised Note 2 and 3 to read “By Mechanical Contractor”. The Mechanical contractor shall furnish and install the kitchen hood.
- The kitchen hood shall be Captivaire Model 5424 ND-2-PSP-F, 10’ hood, Type I. The kitchen hood shall include solo filters, stainless steel backsplash, perforated supply plenums, fire suppression system, gas valves, and controls.

ITEM #48: CLARIFICATION – CONTRACT #1G – Furring

- Furring shall be 2.5” metal stud, 34mil.

ITEM #49: CLARIFICATION – CONTRACT #1G – Apparatus Bay Ceiling

- There is no hard ceiling under the trusses in the apparatus bay.

ITEM #50: CLARIFICATION – CONTRACT #1G – Signs

- The specification in section 101400 2.2.A.2 applies to all room identification signs. The contractor is to provide shop drawings for approval
- Signs shall meet ADA requirements as specified in 101400 2.1.C.
- The Sign at the street shall be made from aluminum and fastened to the brick columns as shown on C502.
- Foundation details and sections for the proposed site sign shown on drawing C-105 added detail on c-502. See attached drawing.

ITEM #51: ADDITION – CONTRACT #1G – Engineers Field Trailer

- The general contractor shall be responsible for furnishing and installing the engineers field trailer.
- See attached specification section 015900 Engineers Field Trailer.

ITEM #52: CLARIFICATION – CONTRACT #1G & #1H – Under-slab Insulation

- The general contractor shall furnish and install the under-slab insulation.
- Insulation under the interior slabs shall be 1”.
- Insulation under the exterior slabs including the aprons and entrance shall be 2”

ITEM #53: REVISION – CONTRACT #1H – Fin Tube Schedule

- See attached fin tube schedule.

ITEM #54: REVISION – CONTRACT #1H – Drawing M001 Louver Schedules

- Please make the follow changes to the Louver Schedule (Dwg. M001):
 - Change louver LV-5 from 16”(w) x 16”(h) to 20”(w) x 16”(h).
 - Change louver LV-6 from 60”(w) x 60”(h) to 80”(w) x 60”(h).
 - Change louver LV-8 from 28”(w) x 24”(h) to 36”(w) x 30”(h).
 - ERV-1 OA
 - Change louver LV-10 from 36”(w) x 30”(h) to 54”(w) x 30”(h).
 - MUA-1 OA

ITEM #55: REVISION – CONTRACT #1G – Drawing A007

- Detail 7/A007, 8/A007, & 9/A007 glazing plane shall be front.

ITEM #56: CLARIFICATION – CONTRACT #1G – Aluminum Windows Type A

- Muntins shall be between glass.

ITEM #57: REVISION – CONTRACT #1H – Drawing M601

- Change ALL HWS and HWR piping (100% water loop associated with P-1A and P-1B) shown as 2-inch to 2-1/2-inch.

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- Change HWS and HWR piping (100% water loop) to/from heat exchanger HX-1 from 1-inch to 2-inch.

ITEM #58: REVISION – CONTRACT #1G – Specification 051200

- Revise paragraph .17 to read “Meets AISC Requirements” from “must participate in AISC Certificate Program”. The contractor must also carry special inspections for this item if they choose to not use a vendor that participates in the AISC Certificate Program.

ITEM #59: CLARIFICATION – CONTRACT #1G & #1P – Summary of Work

- The general contractor shall furnish and install the sanitary sewer service to within 5’ of the building. The plumbing contractor shall install the remainder of the sanitary sewer service.

ITEM #60: CLARIFICATION – CONTRACT #1P – P Drawings

- Sinks KS-1, HS-1, and PS-1 shall be purchased through the plumbing contract allowance during construction.
- The plumbing supply, drains, traps, etc. shall be in the base bid.
- All floor sinks shall be labeled FS-1
- KS-2 shall be Model LRADQ332165PD, by Elkay or equal with the following:
 - Stainless Steel top mount double bowl sink.
 - 31x21-1/4x6-1/2 18gauge
 - Provide with faucet Model 431-ABCP, by Chicago or equal.
 - 1/2- inch chrome supply with key stop and cast brass chrome plate escutcheon.
 - 1-1/4-inch x 1-1/2-inch cast brass chrome plated P-trap with cleanout plug and strainer.

ITEM #61: CORRECTION – CONTRACT #1E – Drawing E003

- Panels LP1, LP2, LP3, HP1, and HP2 shall be rated 28kAIC.

ITEM #62: ADDITION – CONTRACT #1G – Specification 025130 Asphalt Concrete Paving

- Added specification attached.

ITEM #63: CLARIFICATION – CONTRACT #1G, #1E, #1M, #1P – Restoration

- Town Hall Way is a Town Road and expected to stay in usable condition during the project. All deliveries and equipment shall be careful to keep the road in good condition. Any damages to the road will be repaired by the contractor that damaged it.
- The General contractor will be responsible for tying in the new driveway and site work to the existing road.

ITEM #64: ADDITION – CONTRACT #1E – Fiber Optic Cable

- Specification Section 261220 Fiber Optic Cable shall be added. See attached.

ITEM #65: REVISION – CONTRACT #1G – Opening List

- See revised opening list attached.

ITEM #66: CLARIFICATION – CONTRACT #1G & #1P – Trench Drains

- Trench drains shall be furnished and installed by the general contractor. The plumbing contractor shall furnish and install the drain pipe leaving the trench drain to the oil separator.
- The trench drains shall be Neenah R-4990 series or equal, heavy duty type X trench frame with typ A grated cover. Grating to be HS-20 loading rated.

ITEM #67: REVISION – CONTRACT #1G – Drawing Sheet S101

- See revised sheet attached.

ITEM #68: REVISION – CONTRACT #1G – Drawing Sheet S101A

- See revised sheet attached.

ITEM #69: CLARIFICATION – CONTRACT #1H & #1P – Breeching & Intake

- Water Heater – see Dwg. P-104 and section 22 92 05.
- Boilers – Provide 6” vent and 6” combustion air piping from each boiler thru the roof. Install per manufacture’s requirements. Terminate per manufacturer’s requirements. See section 23 92 05 for material and other information.

ITEM #70: CLARIFICATION – CONTRACT #1P – Fire Hose Valves and Fire Hose Cabinets

- Provide per NFPA-13 requirements.

ITEM #71: CLARIFICATION – CONTRACT #1G & #1P – Fire Sprinkler Piping

- The fire sprinkler piping shall be provided and installed by the plumbing contractor.
- The painters through the general contractor shall paint all exposed sprinkler piping.

ITEM #72: REVISION – CONTRACT #1P – Specification 232113 Hydronic Piping

- Hot Water piping copper may be used up to 2-1/2”.

ITEM #73: REVISION – CONTRACT #1G – Drawing Sheet C502

- Sewer grinder pump see detail on C-502.
- See revised sheet attached.

ITEM #74: REVISION – CONTRACT #1G – Drawing Sheet C503

- Oil/Water Separator see detail sheet C-503.
- See revised sheet attached.

ITEM #75: REVISION – CONTRACT #1G – Drawing Sheet C104

- Added piping connection to gravity sewer for Grease Trap shown on drawing C-104.
- See revised sheet attached.

ITEM #76: REVISION – CONTRACT #1G – Drawing Sheet C502

- Storm flared end sections, are HDPE, added detail to c-502.
- See revised sheet attached.

ITEM #77: CLARIFICATION – CONTRACT #1G & #1P – Roof Drains

- 6” roof drains shall be HDPE.

ITEM #78: CLARIFICATION – CONTRACT #1G – Drawing Sheet C-104

- The limits of the dry swale on drawing C-104 is 130lf.

ITEM #79: CLARIFICATION – CONTRACT #1G – Drawing Sheet C-501

- Added detail for parking bumpers.

ITEM #80: CLARIFICATION – CONTRACT #1G – Drawing Sheet C-102

- Limits of the concrete curb on drawing C-102 are “200LF”.

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ITEM #81: REVISION – CONTRACT #1G, #1E, #1H, & #1P – Advertisement for Bid

- Revise the bid date to September 6, 2023 at 12:00pm.

ITEM #82: CLARIFICATION – CONTRACT #1G – Exterior Pad Thickness

- The apron pad shall be 8 inches thick.
- The entry way pad shall be 6” thick

NOTE

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ATTENTION

PLEASE SIGN BELOW AND email to aamrod@delawareengineering.com to verify receipt of this Addendum.

RECEIVED BY: _____

Company Name: _____

SECTION 015900
ENGINEER'S FIELD TRAILER

PART I GENERAL

1.01 SCOPE OF WORK

- A. The CONTRACTOR shall furnish and install an ENGINEER's field office at a location approved by the OWNER and ENGINEER. Provide functionally complete office within two weeks after receipt of Notice To Proceed.
- B. Work also includes furnishing office supplies and equipment, and maintaining services for the trailer.

1.02 SUBMITTALS

- A. The CONTRACTOR shall submit to the ENGINEER for approval the following:
 - 1. Name of all vendors that will provide services and/or supply equipment.
 - 2. Catalog cuts, specifications, or any other information required by the ENGINEER.
 - 3. Layout of the facilities for the field office.
- B. CONTRACTOR shall submit all licenses and warranty information for all equipment provided.
- C. All submittals shall be in accordance with Specification 013300.

PART 2 PRODUCTS

2.01 MATERIALS

- A. ENGINEER's office shall be stocked with supplies (fax scanner paper/copier toner/paper) at all times during the period of construction. All keys to the trailer shall be in the possession of the ENGINEER.
- B. ENGINEER's office shall be completely weather-tight and insulated.
- C. Exterior finish acceptable to ENGINEER. A minimum of ten storm straps, 1/4 by 2 inches in cross section shall be provided. Dimensions, sizes, locations and in-ground anchors, if any shall be as approved by the ENGINEER.
- D. All new, interior finishes acceptable to ENGINEER.
- E. Resilient floor covering in new condition.
- F. The ENGINEER's office shall be provided for the sole use of the ENGINEER. The office shall be a minimum of 360 square feet. Provide a minimum 80 square feet private office space.
- G. A minimum of three windows with lockable and operable sash and screens shall be provided. The total window area shall be 10 percent of floor area.
- H. Metal grate type entrance platforms and steps shall be provided at all exterior doors.
- I. An electrical distribution panel, with eight circuit minimum, 120/240 Volt-100 Amp service shall be provided. The trailer shall be equipped with a minimum of six 110 Volt duplex convenience centers, at least one on each wall. Also, one outlet shall be dedicated to support the photocopy machine.
- J. Trailer shall have automatic heating, cooling, and ventilating equipment capable of maintaining a minimum 68 F heating and 72 F cooling.
- K. Dual exterior lamps, operated by a switch in the interior of the trailer, the lamps shall be installed on each of the two long sides of the trailer.
- L. Install and maintain two separate telephone service lines. In addition, pay for all local and long distance and internet ISP (provider to be approved by ENGINEER) charges for the duration of the installation. Provide one touchtone phone with speaker accessory in private office. Provide one cordless touchtone phone with speaker accessory and equipped to record and play back incoming messages. The CONTRACTOR is responsible for providing and maintaining telephone and ISP services to the trailer until the trailer is removed from the site.

SECTION 015900
ENGINEER'S FIELD TRAILER

- M. Water cooler, functional hot and cold water taps, to be supplied with a minimum monthly supply of 5 commercial bottles of drinking water.
- N. Private sanitary facilities with a minimum of one toilet. All supplies and services necessary to support the facilities are to be provided for the duration of the work. The facilities shall be serviced at a minimum of once per week.
- O. Two (2) each five (5) drawer desks with matching swivel desk chairs.
- P. Two (2) metal reference tables with two straight back chairs.
- Q. One drafting table with built-in drawer, drafting stool and swivel light.
- R. One wall mounted plan rack to hold 10 racks of drawings.
- S. Two (2) size, four (4) drawer file cabinets with locks.
- T. Book shelving and bookcase, minimum four (4) shelves, 36 inch width.
- U. Two waste baskets.
- V. One tack board 36 inches by 36 inches and one dry erase board 48 inches square.
- W. Two each, 10 pound ABC rated Fire extinguishers. The fire extinguishers shall meet Underwriters' approval and shall be maintained by the CONTRACTOR in good working order, at full capacity, at all times throughout the duration of the project.
- X. Identifying exterior sign acceptable to ENGINEER and OWNER.
- Y. Two (2) First aid kits - (Johnson & Johnson Co., Model 25 or approved equal).
- Z. One electronic photocopy/scanner machine with the following minimum requirements: maximum 100 second warm up time, maximum 6 second first copy out time, minimum 18 copies per minute, 720 sheet standard input, 3 standard paper trays including 11" X 17", automatic document feeder and collator. A maintenance agreement certificate shall be delivered to the ENGINEER at the time of delivery that ensures 24-hour service in the event of equipment faults.
- AA. One electronic telephone facsimile machine with direct line phone services with the following minimum requirements: 6 seconds per page transmission speed, 14.4 kbps modem speed with fallback, 400 dpi fax/600 dpi print output resolution, 1.25MB memory, 6 copies per minute print speed and 250 sheet capacity. Maintenance shall include adequate supplies of paper, ink servicing, etc to provide full operation in accordance with the manufactures recommendations for the duration of the Work. A maintenance agreement certificate shall be delivered to the ENGINEER at the time of delivery that ensures prompt service in the event of equipment faults.
- BB. Two Electric clocks with battery backup.
- CC. Six protective helmets and Safety Glasses for use by ENGINEER, OWNER and visitors.
- DD. Folding conference table.
- EE. Twelve (12) folding chairs with cushions.
- FF. One programmable "K"- cup type coffee maker with "K"- cup coffee supplied and replenished throughout the life of the project.
- GG. One refrigerator with a minimum twelve (12) cubic feet storage space and a small freezer.
- HH. One microwave oven with a minimum 1.0 cubic feet capacity.

PART 3 EXECUTION

3.01 ENGINEER'S OFFICE

- A. Continuous maintenance of office and all services and consumable supplies. Cleaning shall not be at a frequency of less than twice per calendar month. Scheduling of cleaning and serving shall be at a time agreeable in advance to the ENGINEER.
- B. Provide all necessary soap, paper towels, cleansers, janitorial service and miscellaneous implements to maintain offices in a sanitary condition.
- C. Repair immediately any damage, leaks or defective service.

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ENGINEER'S FIELD TRAILER

- D. The CONTRACTOR shall install the trailer at a location in the vicinity of the work area to be determined by the ENGINEER. Installation of the trailer shall include site preparation, electrical, telephone and all other necessary hookups.
- E. The CONTRACTOR shall provide and maintain a hard surface parking area for the use of the ENGINEER. A minimum of four (4) parking spaces shall be provided.

3.02 REMOVAL

- A. Remove office upon final acceptance of the Work or when directed by ENGINEER. The trailer site shall be restored to a condition equal or better than original.

END OF SECTION

SECTION 261220
FIBER OPTIC CABLE

PART 1 GENERAL

1.01 SUBMITTALS

- A. Data: Catalog sheets, specifications and installation instructions.

1.02 SUMMARY

- A. Furnish and install fiber optic cables. Include:
1. New Fiber from utility pole to Firehouse.
 2. Installation Labor for all Fiber and Ethernet cables.
 3. Furnish and Install Fiber Patch Panels, Terminations, and Jumpers as required.
 4. Test and validate networks.

PART 2 PRODUCTS

2.01 FIBER OPTIC CABLES

- A. Date of Manufacture: No cables more than one year old when delivered to the site will be acceptable.
- B. Acceptable Companies: Corning or Engineer Approved Equal.
- C. Strands: All fiber will be at least 6 strands
- D. Type: Provide Corning 62.5 / 125 micron that supports data rates of 1 Gb/s in both the 850 nm and 1300 nm windows. It must comply with the industry standards, such as: • ISO/IEC 11801, type OM4 fiber • IEC 60793-2-10, type A1b fiber • TIA/EIA, 492AAAA-A

2.02 FIBER PATCH PANELS CONNECTORS

- A. General:
1. Connectors specified are part of a system. Furnish connectors and components, and use specific tools and methods as recommended by connector manufacturer to form complete connector system.
 2. Connectors shall be as required by the Patch Panel and Ethernet Switch manufacturer. Most connectors will be of the SC type.
 3. Terminate all fibers in patch panels and provide connectors for all fiber runs.
 3. Patch Panels shall be Corning Cable Systems PWH-02P.

PART 3 EXECUTION

SECTION 261220
FIBER OPTIC CABLE

3.01 INSTALLATION

- A. Install fiber as outlined on the drawings.
- A. Insure all fiber including “spare” is properly terminated in Patch Panels.
- B. All new fiber is to be installed in conduit.
- C. All fiber and terminations are to be labeled.
- D. Provide System Acceptance Testing of Fiber.

END OF SECTION

SECTION 025130
ASPHALT CONCRETE PAVING

PART 1 GENERAL

1.01 SUMMARY

- A. The CONTRACTOR shall furnish all labor, materials, and equipment necessary to install asphalt concrete paving as shown on the Contract Drawings, specified herein, and as necessary to complete the Work, including:
 - 1. Cutting and patching of street crossings.
 - 2. Restoration of roadways damaged by construction traffic.
 - 3. Overlay of roadways.
- B. Codes and Standards: Comply with NYSDOT Standard Specifications, latest edition.
- C. Weather Limitations: Apply prime and tack coats when ambient temperature is above 50°F (10°C), and when temperature has not been below 35°F (1°C) for 12 hrs immediately prior to application. Do not apply when base is wet or contains an excess of moisture.
- D. Construct asphalt concrete surface course when atmospheric temperature is above 40°F (4°C), and when base is dry. Binder course may be placed when air temperature is above 30°F (-1°C) and rising.
- E. Transport bituminous mixtures in covered trucks during rainy weather and when air temperature is less than 60°F.
- F. Adjust weight, type, capacity, haul routes, and method of operation of hauling vehicles so no damage results to existing streets, subgrade or base course.
- G. If directed by the ENGINEER, delay paving until the spring following completion of construction to allow for settling of subgrade.

1.02 SUBMITTALS

- A. CONTRACTOR to submit source location (vendor), mix design, and certification for each material required that the designs meet the requirements of the specifications. This design and certification shall be submitted, per Section 01300, to the ENGINEER at least two weeks prior to ordering any bituminous materials.
- B. For each shipment of bituminous material brought to the site, the CONTRACTOR shall furnish a Bill-of-Lading containing the information itemized in NYSDOT Standard Specifications and Construction Materials latest revision. Bills-of-Lading shall be delivered to the ENGINEER not later than the morning of the work-day following the delivery.
- C. Proposed paving CONTRACTOR (or subcontractor)
- D. Following completion of the paving work, it shall be the CONTRACTORS responsibility to submit a maintenance guarantee to the OWNER.

SECTION 025130
ASPHALT CONCRETE PAVING

PART 2 PRODUCTS

2.01 MATERIALS

- A. Type 3 Asphalt Binder Course - shall meet the requirements for NYSDOT.
- B. Type 6 Asphalt Top Course - shall meet the requirements for NYSDOT.

2.02 TACK COAT

- A. The Tack Coat shall be an asphalt emulsion meeting the requirements of NYSDOT,

PART 3 EXECUTION

3.01 GENERAL

- A. CONTRACTOR shall install all paving material in accordance with the provisions and procedures as specified in NYSDOT "Standards Specifications for Construction and Materials", latest revisions. All material shall be installed at the locations and to the thicknesses shown on the Contract Drawings.

3.02 PAVEMENT CUTS

- A. All existing pavement edges, prior to placement of new paving, shall be saw cut to neat and smooth lines as shown on the Contract Drawings. Areas outside the pay limits shown on the Contract Drawings that are disturbed during construction shall be saw cut perpendicular to the street and squared off at 90 degree angles.

3.03 PAVEMENT PREPARATION

- A. Remove loose material from compacted subbase immediately before applying prime coat.
- B. If sufficient time has passed since placement of subbase that base course is rutted, loose or uneven, proof roll prepared surface to check for unstable areas and areas requiring additional compaction. Do not begin paving work until deficient areas have been re-graded and corrected and are ready to receive paving.
- C. Prime Coat
 - 1. Apply at rate of 0.20 to 0.50 gal per sq yd, over compacted subgrade.
 - 2. Apply material to penetrate and seal, but not flood, surface.
 - 3. Cure and dry as long as necessary to attain penetration and evaporation of volatile.
- D. Tack Coat:
 - 1. Apply to contact surfaces of previously constructed asphalt or portland cement concrete and surfaces abutting or projecting into asphalt concrete pavement.
 - 2. Distribute at rate of 0.05 to 0.15 gal per sq yd of surface.
 - 3. Allow to dry until at proper condition to receive paving.

SECTION 025130
ASPHALT CONCRETE PAVING

4. Exercise care in applying bituminous materials to avoid smearing of adjoining concrete surfaces. Remove and clean damaged surfaces.
- E. Remove loose material from compacted subbase immediately before applying tack coat.
- F. Sweep road immediately prior to placing tack coat for asphalt overlay.
- G. All castings, valve boxes, manhole covers, catch basin frames and grates, etc. shall be adjusted to 1/4" below finished asphalt grade.

3.04 PLACING MIX

A. General

1. Place asphalt concrete mixture on prepared surface, spread, and strike-off. Spread mixture at minimum temperature of 225°F (107°C). Place inaccessible and small areas by hand. Place course to required grade, cross-section, and compacted thickness.

B. Placing

1. Place in strips not less than 10-ft wide, unless otherwise acceptable to ENGINEER.
2. After first strip has been placed and rolled, place succeeding strips and extend rolling to overlap previous strips.
3. Grade Control: Establish and maintain required lines and elevations to within 3/8-in.

C. Joints

1. Make joints between old and new pavements, or between successive days' work, to ensure continuous bond between adjoining work. Construct joints to have same texture, density, and smoothness as other sections of asphalt concrete course. Clean contact surfaces and apply tack coat.

D. Rolling

1. General - Begin rolling when mixture will bear roller weight without excessive displacement. Compact mixture with hot hand tampers or vibrating plate compactors in areas inaccessible to rollers.
2. Breakdown Rolling: Accomplish breakdown or initial rolling immediately following rolling of joints and outside edge. Check surface after breakdown rolling, and repair displaced areas by loosening and filling, if required, with hot material.
3. Second Rolling: Follow breakdown rolling as soon as possible, while mixture is hot. Continue second rolling until mixture has been thoroughly compacted.

SECTION 025130
ASPHALT CONCRETE PAVING

4. Finish Rolling: Perform finish rolling while mixture is still warm enough for removal of roller marks. Continue rolling until roller marks are eliminated and course has attained maximum density.
5. Patching: Remove and replace paving areas mixed with foreign materials and defective areas. Cut-out such areas and fill with fresh, hot asphalt concrete. Compact by rolling to maximum surface density and smoothness.

E. Protection

1. After final rolling, do not permit vehicular traffic on pavement until it has cooled and hardened. Protect paving from traffic until mixture has cooled.
2. Do not drive track equipment over finished paving. Where necessary protect with wood sheeting.

F. Shoulder Restoration

1. Repair shoulders after paving to ensure a gradual slope to the existing grade.

3.05 FIELD QUALITY CONTROL

1. Tolerances: In-place compacted thickness shall meet or exceed dimensions specified on the drawings.
2. Surface Smoothness Tolerances: Test finished surface of final asphalt concrete course for smoothness, using 10-ft straightedge applied parallel with, and at right angles to centerline of paved area. Surfaces will not be acceptable if exceeding $\frac{1}{4}$ -in. tolerance for smoothness.

END SECTION

FINNED TUBE RADIATION SCHEDULE													
TAG	SERVICE	MANUF.	MODEL NO.	SIZE	NO. OF ELEMENTS	HEIGHT (IN.)	LENGTH (FT)	PIPE SIZE	FINS PER FT.	GPM	BTUH PER FT.	A.W.T. (°F)	REMARKS
FT-1-1	126 FOOD STORAGE	SLANT FIN	HD-9317	H-3	1	3 1/4"	2 ft	3/4"	48	1.0	690	160	
FT-1-2	125 ICE	SLANT FIN	HD-9317	H-3	1	3 1/4"	2 ft	3/4"	48	1.0	690	160	
FT-1-3	102 HOSE ROOM	SLANT FIN	HD-9317	H-3	1	3 1/4"	8 ft	3/4"	48	1.0	690	160	
FT-1-4	105 SCBA	SLANT FIN	HD-9317	H-3	1	3 1/4"	5 ft	3/4"	48	1.0	690	160	
FT-1-5	106 STORAGE	SLANT FIN	HD-9317	H-3	1	3 1/4"	5 ft	3/4"	48	1.0	690	160	

NOTES:

1. PROVIDE ALL ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION INCLUDING BUT NOT LIMITED TO: SPLICE PLATES, FILLER SLEEVES, END CAPS, END VALVE COVER, BRACKETS, HANGERS, & INCIDENTALS.
2. EACH LENGTH OF FINNED TUBE SHALL BE PROVIDED W/ A MANUF'S FURNISHED ENCLOSURE.
- ENCLOSURE SHALL BE 14 GAGE, FIELD INSTALLED DAMPER, CUSTOM COLOR TO BE SELECTED BY ARCHITECT.

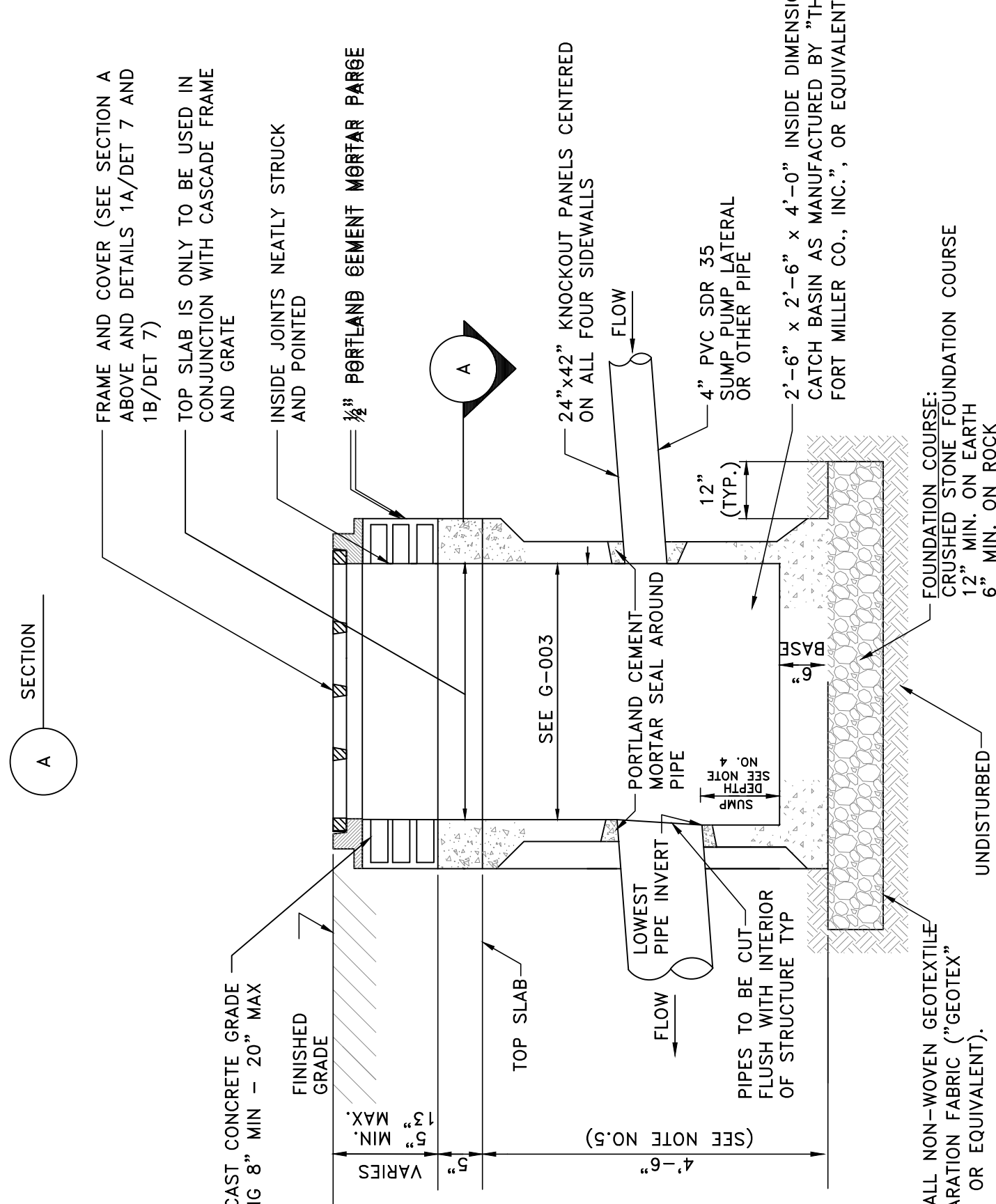
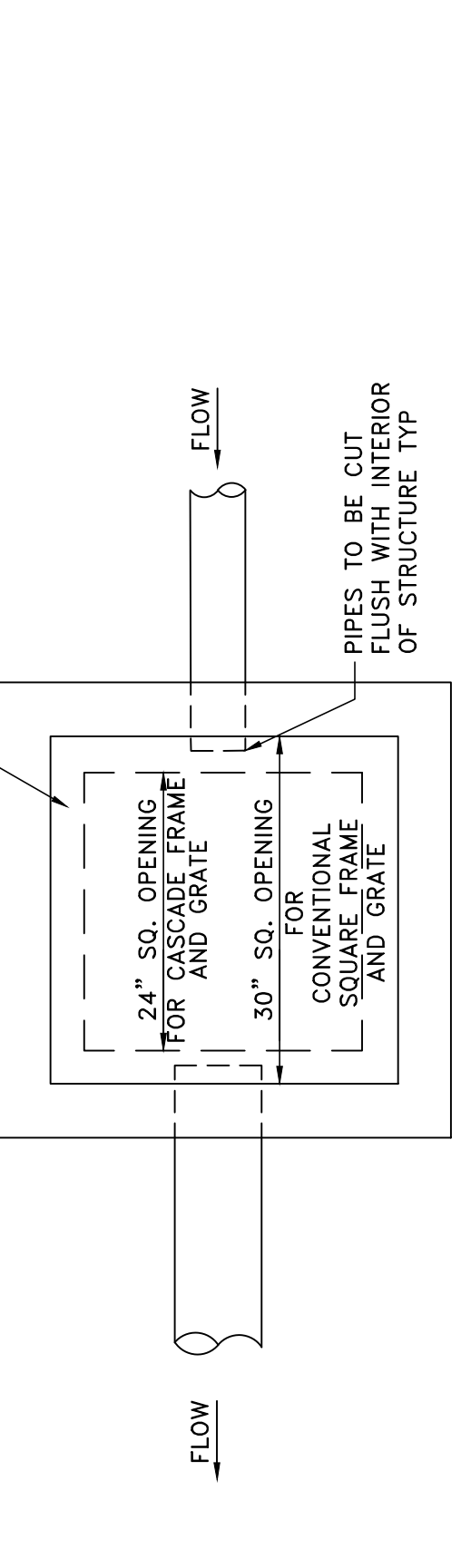
LEGEND:

A.W.T. - AVERAGE WATER TEMP

Opening	Hdwr Set	Opening Label	Door Type	Frame Type
100g	002		HM	HM
100h	013		HM	HM
100i	002		HM	HM
101b	002		HM	HM
102	010	60	HM	HM
103	011A		HM	HM
104	012		HM	HM
105	011		HM	HM
106	011		HM	HM
107	015		HM	HM
108	002		HM	HM
108a	007		HM	HM
109	026		WD	HM
109a	017	45	WD	HM
110	027 014		WD	HM
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112	027		WD	HM
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12 01	011		HM	HM
12 12	006		WD	HM
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12 23	018		WD	HM
12 34	023		WD	HM
12 45	019		WD	HM
12 56	019		WD	HM
126	001		AL	AL
200	024		WD	HM
201	004		HM	HM
204	018		WD	HM
205	029		WD	HM
206	01 89		WD	HM
207	029		WD	HM
208	01 89		WD	HM
211	022		WD	HM
213	028		WD	HM
214	028		WD	HM
215	018		WD	HM
216	026		WD	HM
217	021		WD	HM
218	018		WD	HM
219	024		WD	HM
220	024		WD	HM
221	024		WD	HM
222	024		WD	HM
223	020		WD	HM
223a	020		WD	HM
223b	025		WD	HM
S1a	002		HM	HM

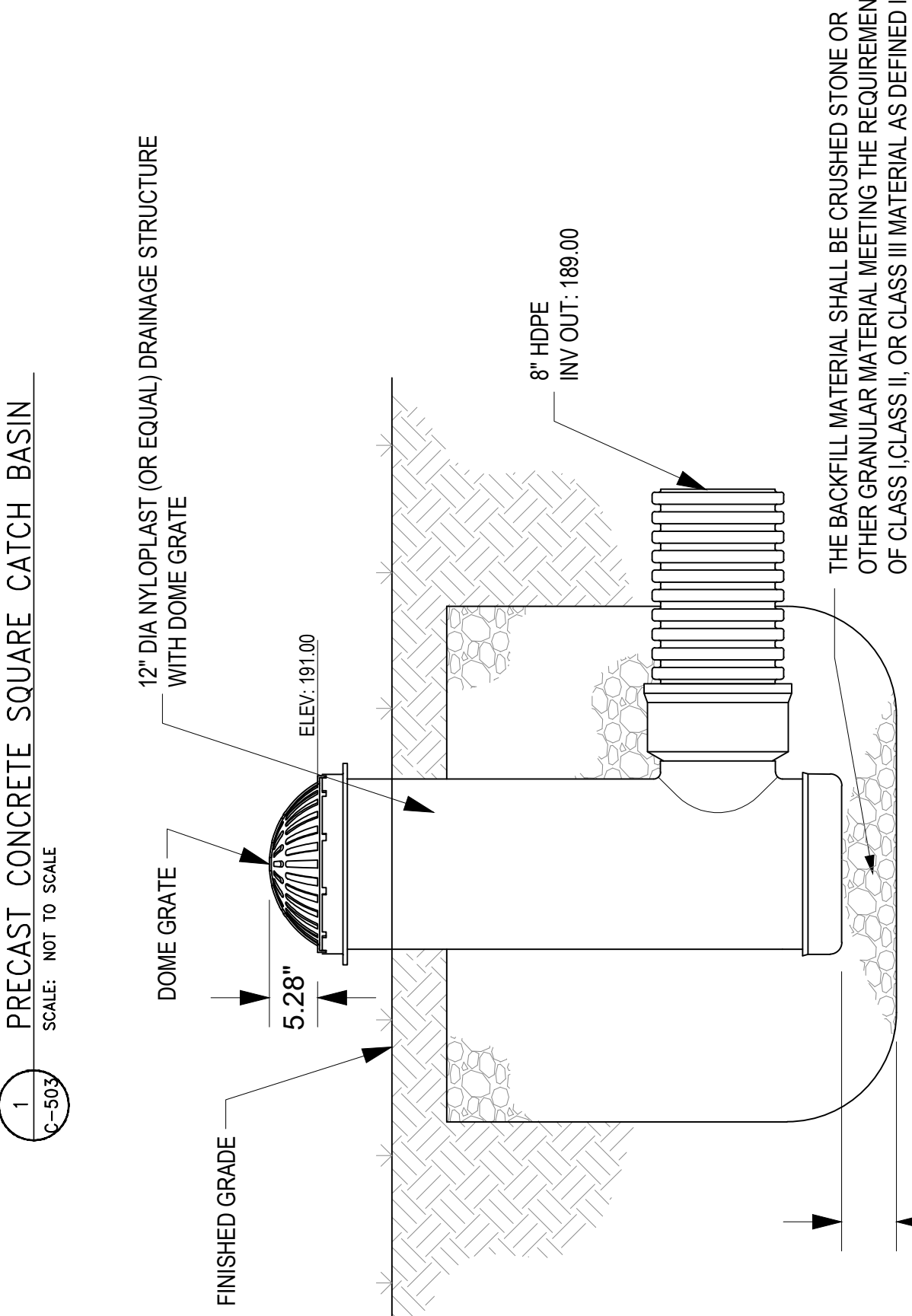
	Opening	Hdwr Set	Opening Label	Door Type	Frame Type
	S1b	008 <u>009</u>	60	HM	HM
	S1c	008	60	HM	HM
	S2a	008 <u>010</u>	60	HM	HM
	S2b	002		FRP	AL
	S2c	008 <u>010A</u>	60	HM	HM

5" PRECAST REINFORCED CONCRETE TOP SLAB WITH CHAINS CAST IN THE CENTER COMPATIBLE WITH THE CASCADE FRAME AND GRATE WHEN CALLED FOR.



NOTES:
1. CONCRETE SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH (f'c) OF 4,000 PSI AND HAVE BETWEEN 5% AND 8% ENTRAINED AIR.
2. STRUCTURES SHALL BE WET CAST ONLY.
3. PIPES SHALL BE SET IN UPPER PORTION OF KNOCKOUT IN ORDER TO PROVIDE A 12" SUMP FOR A 12" DIAMETER PIPE AND A 9" SUMP FOR A 9" DIAMETER PIPE. FOR LARGER PIPES, USE A PRECAST CONCRETE ROUND CATCH BASIN. SEE DETAIL Z/C-501.
4. PRECAST CONCRETE SQUARE CATCH BASIN AND TOP SLAB SHALL BE REINFORCED TO WITHSTAND HS 20-44 LOAD IN TRAFFIC AREAS.
5. ALL STRUCTURES WITHIN THE NYSDOT ROW SHALL FOLLOW ALL NYSDOT STANDARDS FOR CONSTRUCTION AND FOLLOW MP05-04 PROCEDURE.

- 1 PRECAST CONCRETE SQUARE CATCH BASIN
- SCALE: NOT TO SCALE

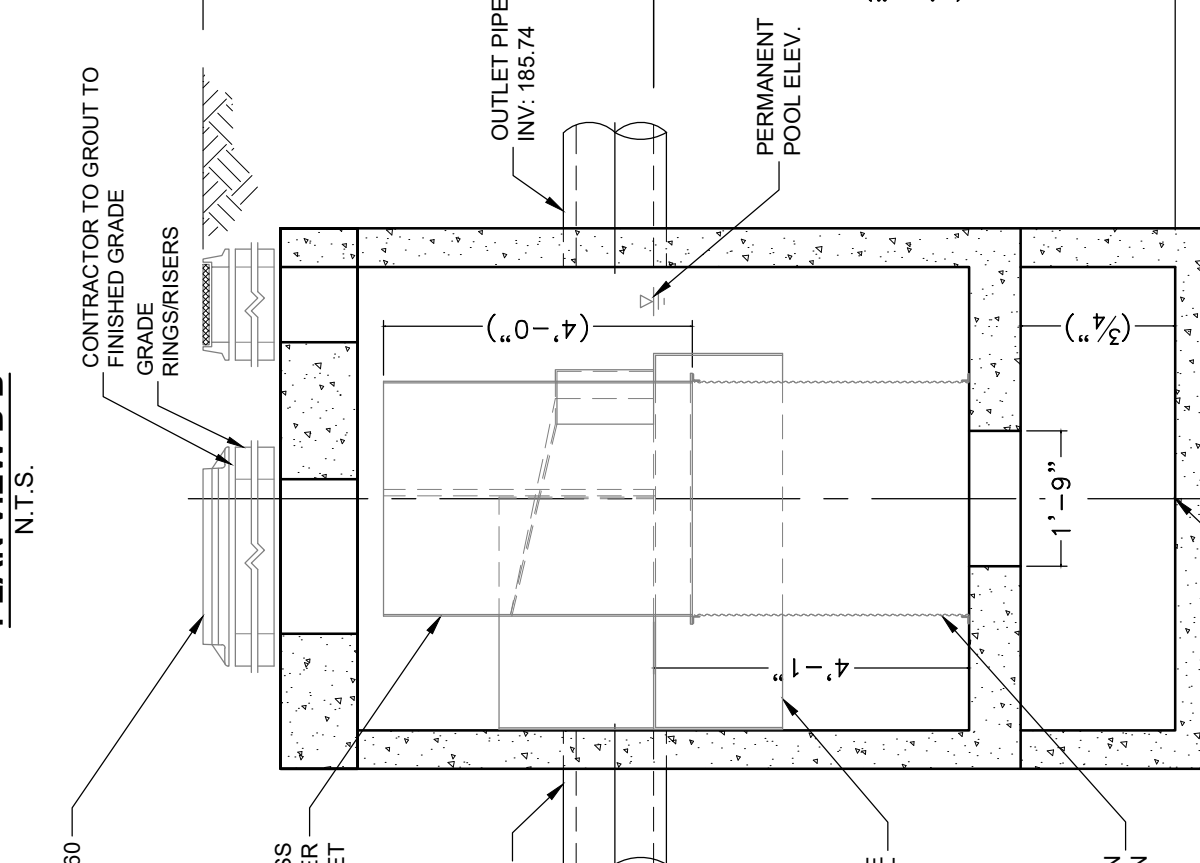
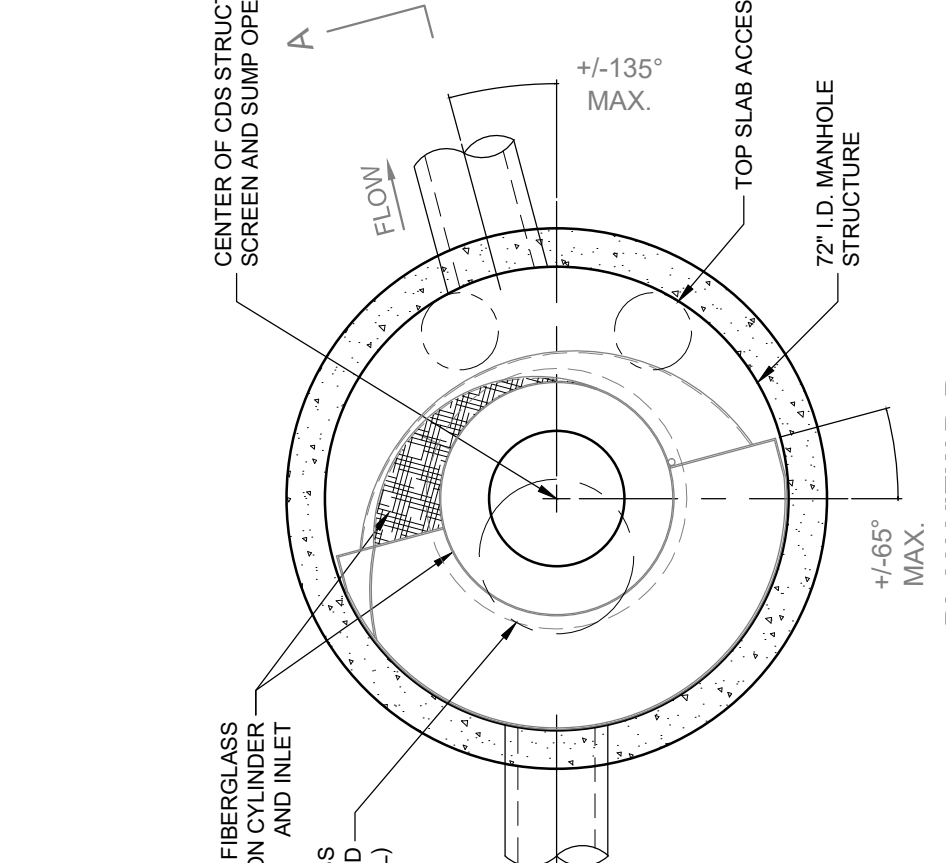
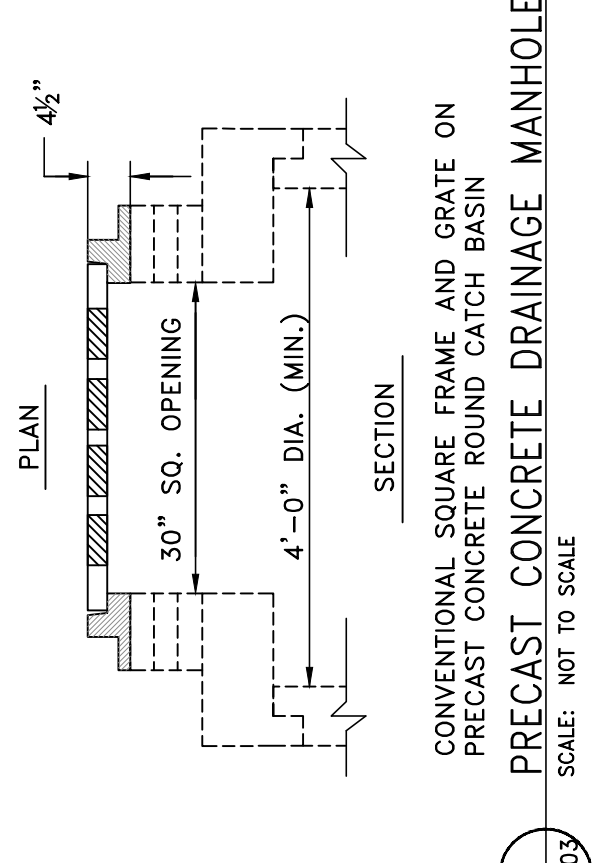
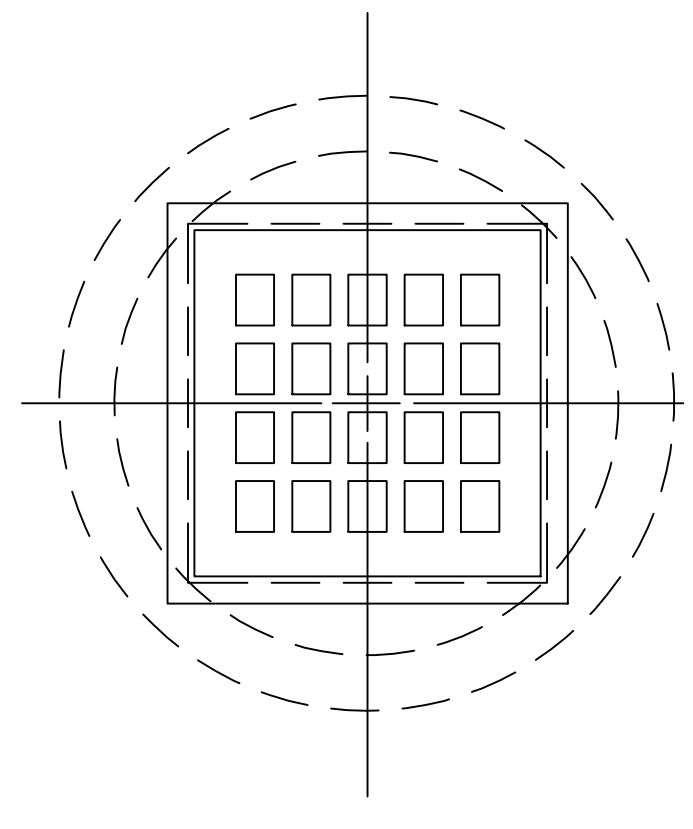


THE BACKFILL MATERIAL SHALL BE CRUSHED STONE OR OTHER GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS I CLASS II, OR CLASS III MATERIAL AS DEFINED IN ASTM D2321. BEDDING & BACKFILL FOR SURFACE DRAINAGE INLETS SHALL BE PLACED & COMPACTED UNIFORMLY IN ACCORDANCE WITH ASTM D2321.

5 NYLOPLAST STRUCTURE

SCALE: NOT TO SCALE

FRAME AND GRATE PATTERN NO. 2816-B AS MANUFACTURED BY "NEENAH CASTING INDUSTRIES", CICEGR, NEW YORK, OR EQUIVALENT -OR- FRAME AND GRATE PATTERN NO. R-3561 AS MANUFACTURED BY "NEENAH FOUNDRY COMPANY" NEENAH, WISCONSIN, OR EQUIVALENT

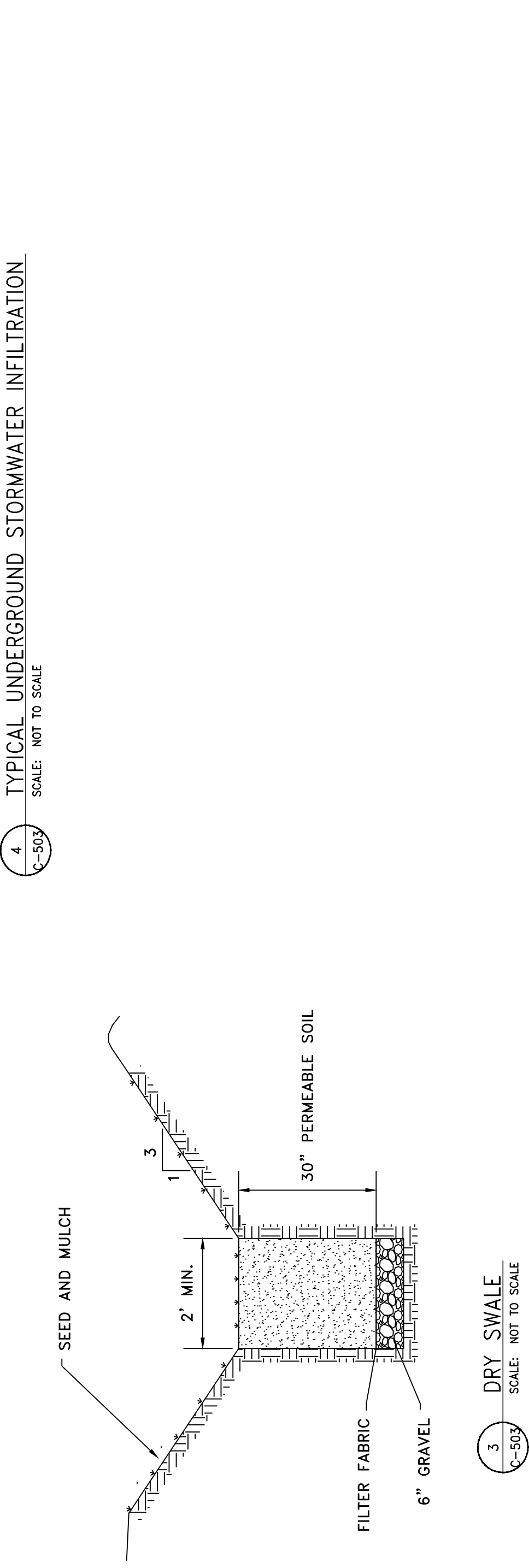
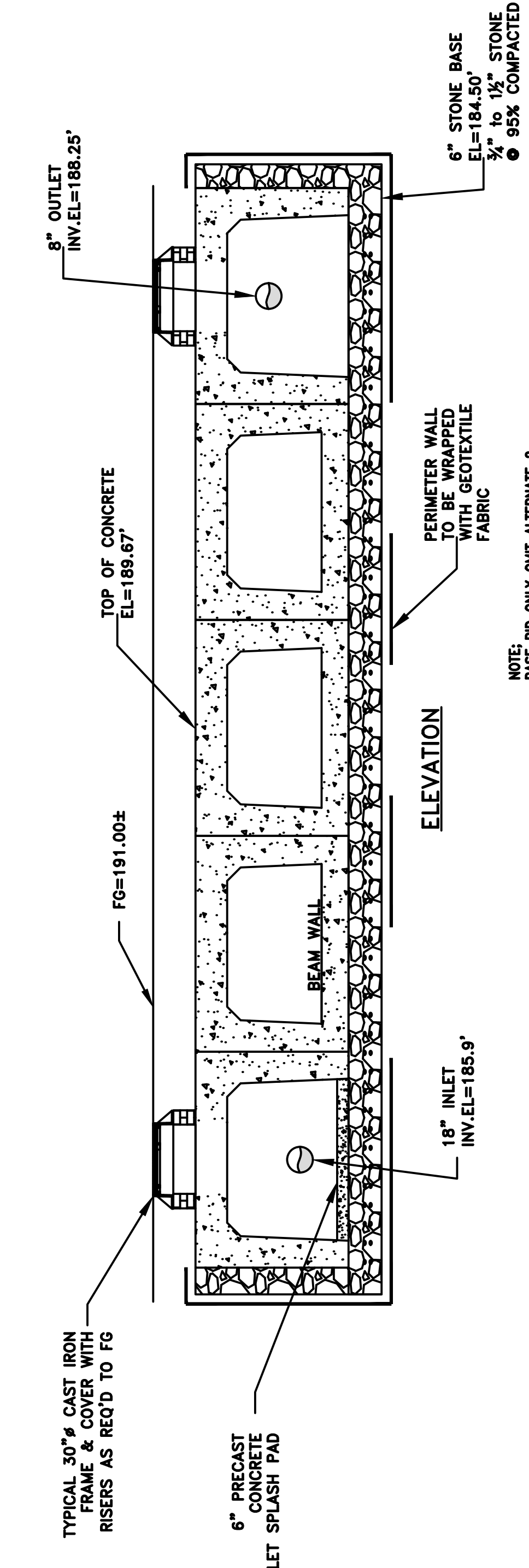


NOTES:
1. TREATMENT FLOW SHALL BE 8 CFS MIN. STORAGE SHALL BE 2.1 CY.
2. SHALL BE 2.1 CY.

NOTE:
BASE BID ONLY OMIT ALTERNATE 2

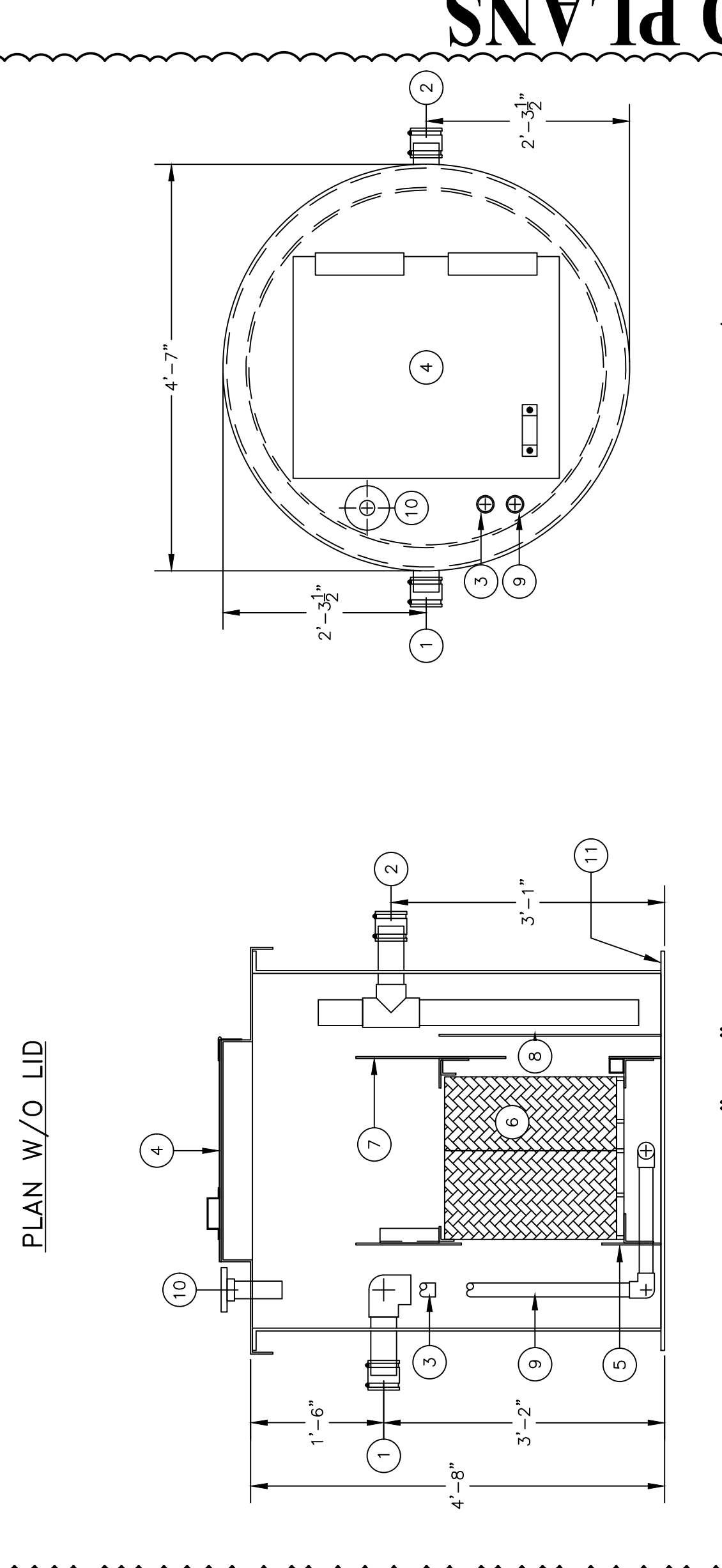
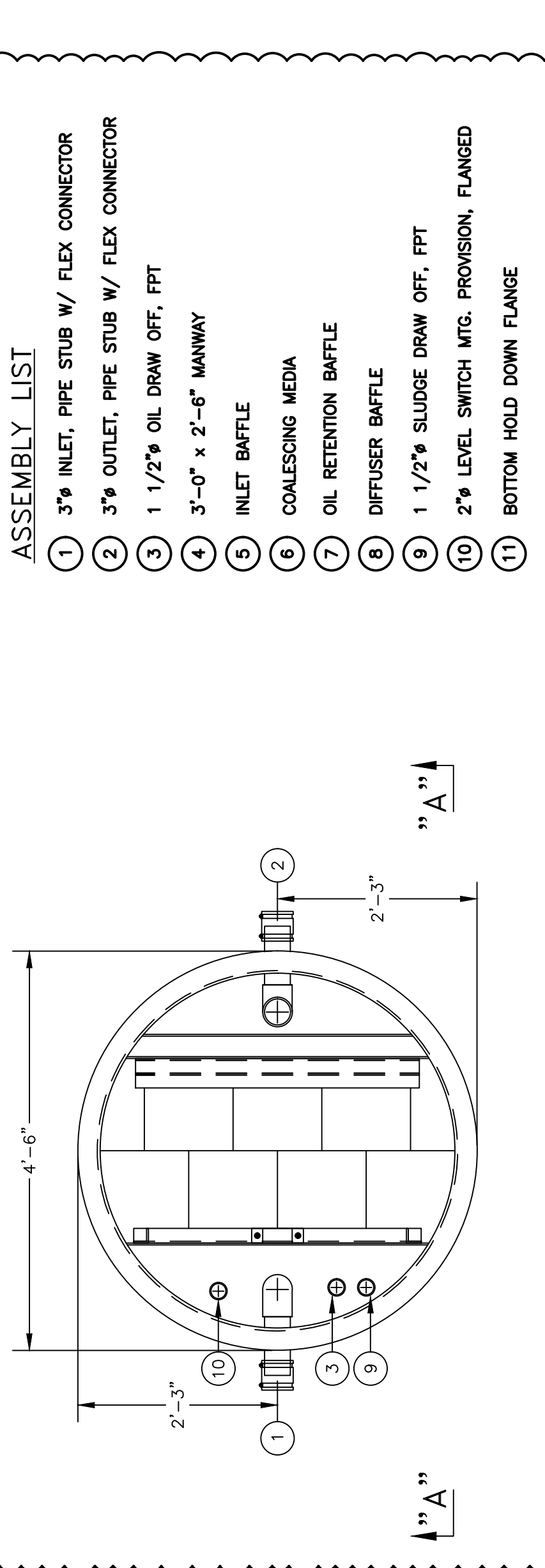
6 STORMWATER PRETREATMENT STRUCTURE

SCALE: NOT TO SCALE



3 DRY SWALE

SCALE: NOT TO SCALE



7 OIL/WATER SEPARATOR

SCALE: 1/8" = 1'-0"

DATE: 6/29/2023
DRAWN BY: ERNSTJ
SCALE: AS SHOWN
REVIEWED BY: PROJECT NO.: 21-043
FILE: C-501-SITE-DETAILS.DWG

WWW.HESNOR.COM
HESNOR ENGINEERING ASSOCIATES
WWW.HESNOR.COM
KEYSTONE ASSOCIATES
WWW.HESNOR.COM
DELAWARE ENGINEERING, P.C.
WWW.DELAWAREENGINEERING.COM

STATE OF NEW YORK
JULIUS ROSENBLUTH
PROFESSIONAL ENGINEER
No. 15553
EXPIRATION DATE 12/31/2024

STATE OF NEW YORK
JULIUS ROSENBLUTH
PROFESSIONAL ENGINEER
No. 15553
EXPIRATION DATE 12/31/2024

NO.	DATE	DESCRIPTION
1	8-30-2023	ADDENDUM #3
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		

PORT EWEN FIRE DEPARTMENT, NY
ULSTER COUNTY, NY

STORM DETAILS BASE BID

SHEET: C-503

STRUCTURAL LEGEND

- INDICATES FOUNDATION TYPE MARK REFERENCE THE FOUNDATION SCHEDULE.
- LOW HIGH
- INDICATES FLOOR/ROOF STEP.
- LOW HIGH
- INDICATES TOP FOUNDATION WALL STEP.
- LOW HIGH
- INDICATES TOP FOOTING STEP.
- INDICATES NEW STRUCTURAL 8" CMU WALL SIZE TYPICAL UNLESS NOTED OTHERWISE PER PLAN AND/OR ELEVATION
- INDICATES NEW NON-STRUCTURAL 8" CMU WALL BELOW SIZE TYPICAL UNLESS NOTED OTHERWISE.
- INDICATES KEYED NOTE.
- INDICATES NEW WALL, REF. WALL SCHEDULE.
- INDICATES NEW GRIDLINE

FRAMING PLAN NOTES

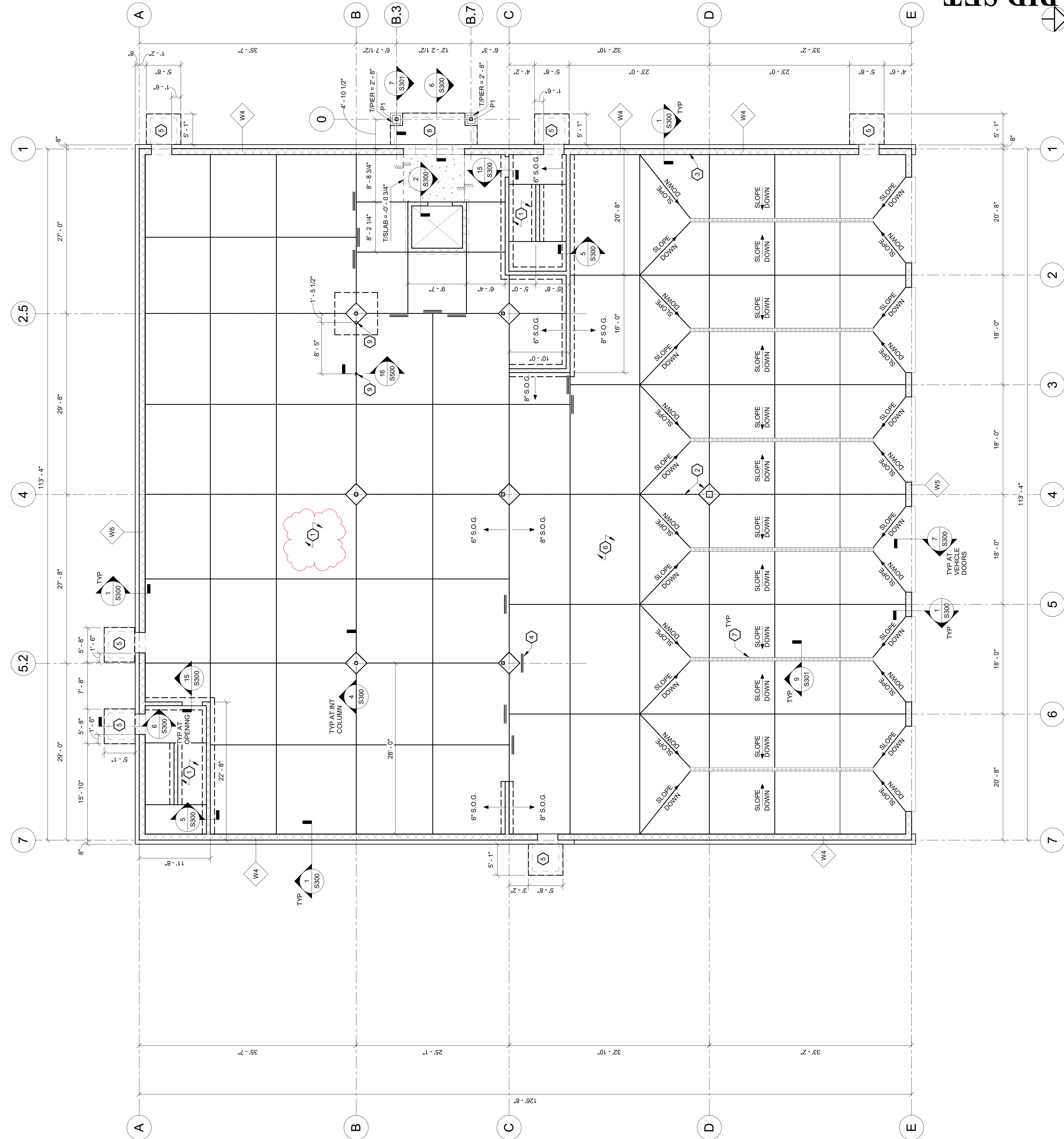
- ALL ELEVATIONS ARE REFERENCED FROM 0'-0" = 192.50'.
- VERIFY ALL DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS. GRIDLINES ARE LOCATED AT OUTSIDE FACE OF CONCRETE MASONRY WALLS AND/OR COLUMN CENTERLINE.
- DETAILS ON THESE PLANS ARE INTENDED TO PERMIT THE GENERAL CONSTRUCTION METHODS FOR THIS STRUCTURE CONNECTIONS, DETAILS AND CONDITIONS NOT SPECIFICALLY SHOWN THAT ARE SIMILAR TO THOSE THAT ARE SPECIFIED SHALL BE ASSUMED ONE AND THE SAME. IF QUESTIONS REGARDING THE CLARIFICATION OF THE DETAILS FOR ENGINEERING THE CLARIFICATION IN A TIMELY MANNER PRIOR TO BID OPENING.
- REFERENCE MEP DRAWINGS FOR ALL ELEVATIONS, PIPE PENETRATIONS, ETC. REFER TO STRUCTURAL DETAILS PENETRATIONS, OPENINGS, ETC.
- REFERENCE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION FOR ALL WINDOWS AND DOORS.
- ALL MASONRY (CMU) WALLS TO BE 8" THICK. NORMAL WEIGHT, W/ #5 VERTICAL BARS AT 48" OC MIN. UNLESS OTHERWISE NOTED ON PLAN
- REFER TO COLUMN SCHEDULE ON S700 FOR SIZE AND LOCATION OF COLUMNS.
- CONTROL JOINTS ARE EQUALLY SPACED BETWEEN COLUMN LINES UNLESS OTHERWISE NOTED.
- PROVIDE RE-ENTRANT CORNER BARS AT DOORS PER 6/S301.
- TISLAB ELEVATION = 0' - 0" UNO.

KEYNOTES

- 6" NORMAL WEIGHT CONCRETE SLAB-ON-GRADE. REINFORCE W/ #4 @ 16" OC EA WAY, PER 3/S301
- ISOLATION & CONTROL JOINT, TYPICAL PER 5/S301
- EDGE JOINT, TYPICAL PER 5/S301.
- PROVIDE (2) #4x3'-0" @ JOINT TERMINATION PER 4/S301.
- 5'-0" X 5'-1" X 4" THICK SLAB-ON-GRADE AT STOOP. REINFORCE WITH #4 @ 12" OC. EW, 1 1/2" CLR FROM TOP OF #4 @ 12" OC. EF.
- 8" NORMAL WEIGHT SLAB-ON-GRADE. REINFORCE W/ #5 @ 16" OC EW, REFER TO M201B FOR RADIANT HEAT ZONES. DETAIL SLAB PER 13/S301 IN RADIANT HEAT ZONES.
- TRENCH DRAIN, REFER TO PLUMBING FOR ADDITIONAL INFORMATION. TIDRAIN = 4" - 1/2"
- 8" NORMAL WEIGHT EXTERIOR SLAB-ON-GRADE WITH RADIANT HEAT REINFORCE W/ EPONT-COATED #4 @ 16" OC EW, PER 13/S301
- HSS 4x4x1/4 @ COILING DOOR PER 16/S500

WALL SCHEDULE				
MARK	WIDTH	VERT. REINF.	HORIZ. REINF.	MATERIAL
W1	12"	#5@12" OC, EF	#5@12" OC, EF	CONCRETE
W2	16"	#5@12" OC, EF	#5@12" OC, EF	CONCRETE
W3	8"	#5@12" OC, CTR	#5@12" OC, CTR	CONCRETE
W4	12"	#5@16" OC, EF	W1.7@16" OC	CMU
W5	12"	#5@16" OC, EF	W1.7@16" OC	CMU
W6	12"	#5@16" OC, EF	W1.7@16" OC	CMU
W7	12"	#5@12" OC, EF	#5@12" OC, EF	CONCRETE

PIER SCHEDULE		
MARK	SIZE	VERT. REINF.
P1	16"x16"	(8) #5, EQ. SP.
		TIES
		#4 @12" OC



1 FIRST FLOOR FRAMING PLAN
S101 1/8" = 1'-0"

FIRST FLOOR FRAMING PLAN

PORT EWEN FIRE HOUSE
PORT EWEN
FIRE DEPARTMENT
ULSTER, NEW YORK

REVISIONS

NO.	DATE	DESCRIPTION
3	8.30.2023	ADDENDUM #3

EXP 01/31/2025



DATE: 06.19.2023
DRAWN BY: ENK
REVIEWED BY: CAM
PROJECT NO.: 21-2343

- INDICATES FOUNDATION TYPE MARK, REFERENCE THE FOUNDATION SCHEDULE. - INDICATES FLOOR/ROOF STEP.	
LOW, HIGH LOW ^{WALL} HIGH	
LOW, HIGH LOW HIGH	
INDICATES NEW STRUCTURAL 6" CMU WALL, STRUCTURAL 8" CMU WALL, STRUCTURAL 12" CMU WALL, OR LESS NOTED OTHERWISE PER PLAN AND/OR ELEVATION INDICATES NEW NON-STRUCTURAL 8" CMU WALL BELOW. SIZE TYPICAL UNLESS NOTED OTHERWISE.	
INDICATES KEYED NOTE. INDICATES NEW WALL, REF. WALL SCHEDULE. INDICATES NEW GRIDLINE	

1. ALL ELEVATIONS ARE REFERENCED FROM 0'-0" = 192.30".
2. VERIFY ALL DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS. THE FACE OF CONCRETE MASONRY WALLS AND/OR COLUMN CENTERLINE.
3. DETAILS ON THESE PLANS ARE INTENDED TO DEPICT THE GENERAL CONSTRUCTION METHODS FOR THIS STRUCTURE. CONNECTIONS, DETAILS AND CONDITIONS NOT SPECIFICALLY NOTED SHALL BE ASSUMED ONE AND THE SAME. IF QUESTIONS REGARDING THE APPLICATION OF DETAILS ARE ENCOUNTERED, NOTIFY THE ARCHITECT / ENGINEER FOR CLARIFICATION IN A TIMELY MANNER PRIOR TO BID OPENING.
4. REFERENCE MEP DRAWINGS FOR ALL ELEVATIONS, PIPE PENETRATIONS, ETC. REFER TO STRUCTURAL DETAILS CORRESPONDING TO SPECIFIC ITEMS SUCH AS PIPE PENETRATIONS, OPENINGS, ETC.
5. REFERENCE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION FOR ALL WINDOWS AND DOORS.
6. ALL MASONRY (CMU) WALLS TO BE 8" THICK, NORMAL WEIGHT, W/ #5 VERTICAL BARS AT 48" OC MIN. UNLESS OTHERWISE NOTED ON PLAN
7. REFER TO COLUMN SCHEDULE ON S700 FOR SIZE AND LOCATION OF COLUMNS.
8. CONTROL JOINTS ARE EQUALLY SPACED BETWEEN COLUMN LINES UNLESS OTHERWISE NOTED.
9. PROVIDE EN-ENTRANCE CORNER BARS AT DOORS PER 6S301.
10. T/S LAB ELEVATION = 0' - 0" UNO.

1	6" NORMAL WEIGHT CONCRETE SLAB-ON-GRADE. REINFORCE W/ #4 @ 16" OC E/WAY, PER 35301
2	ISOLATION & CONTROL JOINT, TYPICAL PER 55301
3	EDGE JOINT, TYPICAL PER 55301.
4	PROVIDE (2) #4x3' @ JOINT TERMINATION PER 45301.
5	5-9" X 5-9" X 4" THICK SLAB-ON-GRADE AT STOP. REINFORCE W/ #4X3' COATED #4@12" OC, E/W, 1 1/2" CLR FROM TOP OF SLAB, REF. 66300
6	6" NORMAL WEIGHT CONCRETE SLAB-ON-GRADE, REINFORCE W/ #6 @ 16" OC, E/W, REFER TO M0216 FOR RADIANT HEAT ZONES. DETAIL SLAB PER 9/5301 IN RADIANT HEAT ZONES.
7	TRENCH DRAIN REFER TO PLUMBING FOR ADDITIONAL INFORMATION, TYPICAL = 3" - 12"
8	6" NORMAL WEIGHT EXPOSED SLAB-ON-GRADE WITH RADIANT HEAT, REINFORCE W/ EPOXY-COATED #4 @ 16" OC E/W, PER 135301
9	HSS 44x41/4 @ COLLING DOOR PER 16/5500

PIER SCHEDULE			
MARK	SIZE	VERT REINF	TIES
P1	16"x16"	(8) #5, EQ. SP.	#4 @12" OC

[illegible]

SHEET:
S101A

WARNING - IT IS A VIOLATION OF NEW YORK EDUCATION LAW SECTION 7209.2, FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK EDUCATION LAW, SECTION 7209.2.



BID PLANS

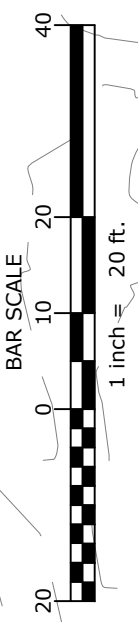
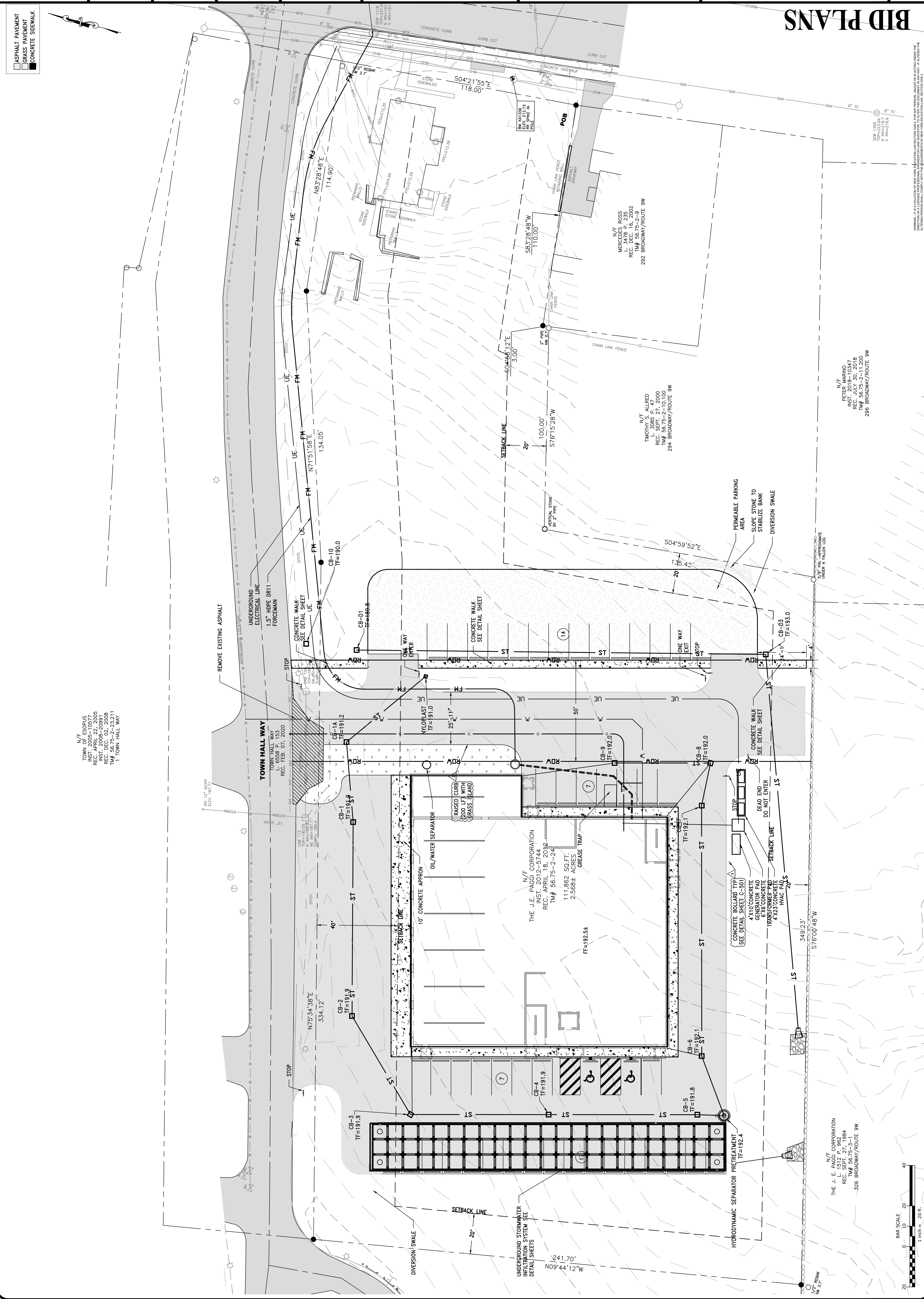
WARNING: IT IS A VIOLATION OF NEW YORK EDUCATION LAW SECTION 205.2 FOR ANY PERSON, WHETHER BE ACTING UNDER THE AUTHORITY OF A PROFESSIONAL ENGINEER OR NOT, TO PREPARE, SIGN, SEAL, OR OTHERWISE BE RESPONSIBLE FOR ANY PROFESSIONAL SEAL, SECTION OR SET OF PLANS, SPECIFICATIONS, OR ANY OTHER DOCUMENTS, WITHOUT BEING A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF NEW YORK.

N/F
PETER MARINO
INST. JULY 30, 2017
REC. JULY 30, 2018
TM# 5675-2-11,200
296 BROADWAY/ROUTE 9W

N/F
TIMOTHY S. ALLRED
REC. SEPT. 27, 2000
TM# 5675-2-10,100
294 BROADWAY/ROUTE 9W

N/F
MERCEDES ROSS
L. 3478 P. 235
REC. DEC. 16, 2002
TM# 5675-2-10,100
292 BROADWAY/ROUTE 9W

N/F
TOWN OF ESOPUS
INST. APRIL 22, 2005
REC. APRIL 22, 2005
INST. 2008-20991
REC. SEPT. 27, 1984
TM# 5675-2-11,200
1 TOWN HALL WAY



N/F
THE J. E. PAGGI CORPORATION
L. 1512 P. 982
REC. SEPT. 27, 1984
326 BROADWAY/ROUTE 9W

BID PLANS

PROPOSED UTILITIES

PORT EWEN FIRE
DEPARTMENT
ULSTER COUNTY, NY

REVISIONS

NO.	DATE	DESCRIPTION
1	8-30-2023	ADDendum #3

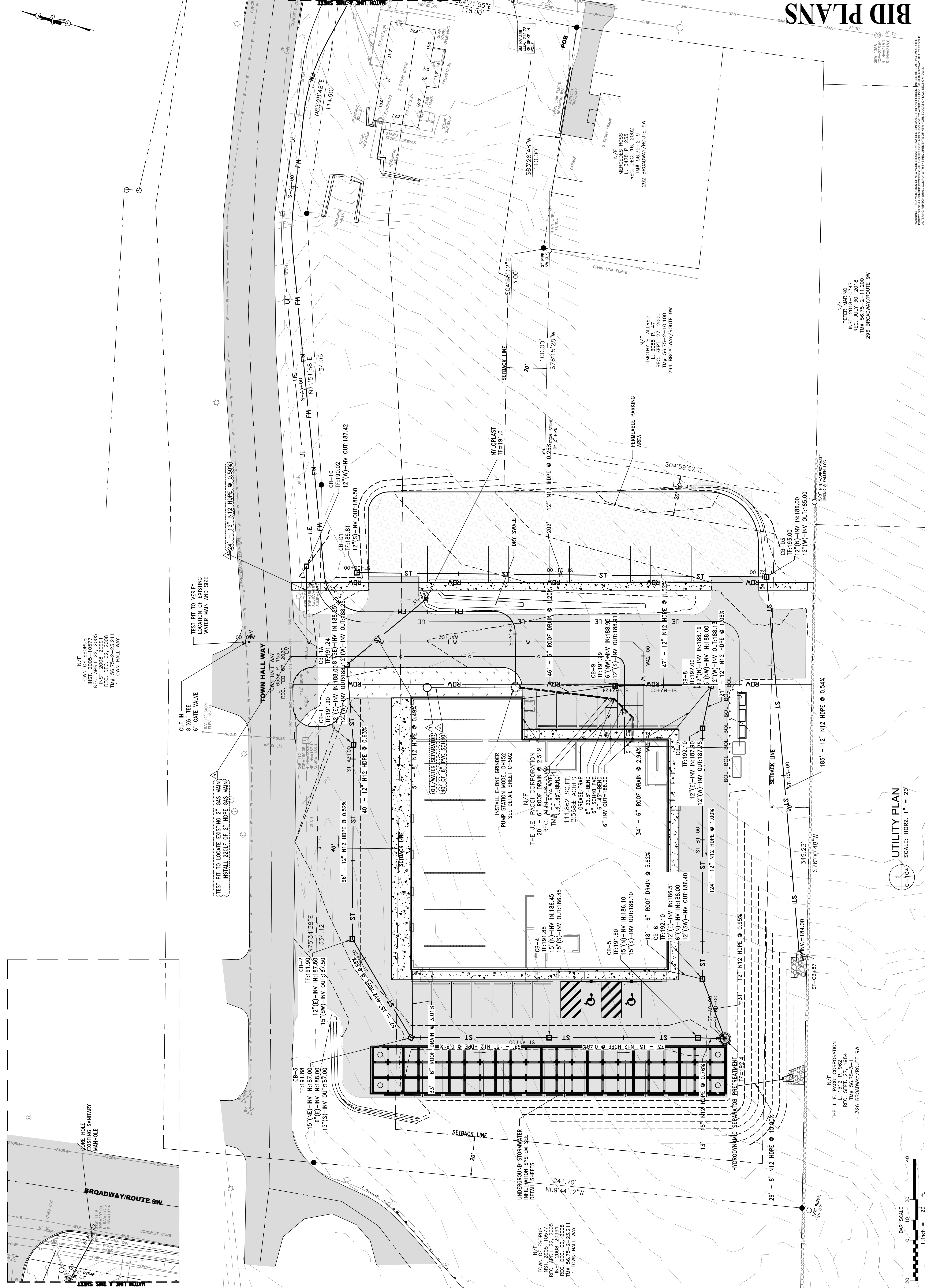


DELAWARE
ENGINEERING, P.C.
100 DELAWARE ENGINEERING COMPANY
100 DELAWARE ENGINEERING COMPANY

KEYSTONE
ASSOCIATES
ENGINEERING ASSOCIATES
100 DELAWARE ENGINEERING COMPANY

HESNOR
ENGINEERING ASSOCIATES
100 DELAWARE ENGINEERING COMPANY

DATE: 8/29/2023
DRAWN BY: ERNSTJ
SCALE: AS SHOWN
REVIEWED BY: AS SHOWN
PROJECT NO.: 21-2343
FILE: C-HW-089320 UTILITIES.dwg



UTILITY PLAN
1
SCALE: HORIZ. 1" = 20'



N/F
THE J. E. PAGGI CORPORATION
1512 P. 962
REC. SEPT. 27, 1984
326 BROADWAY/ROUTE 9W

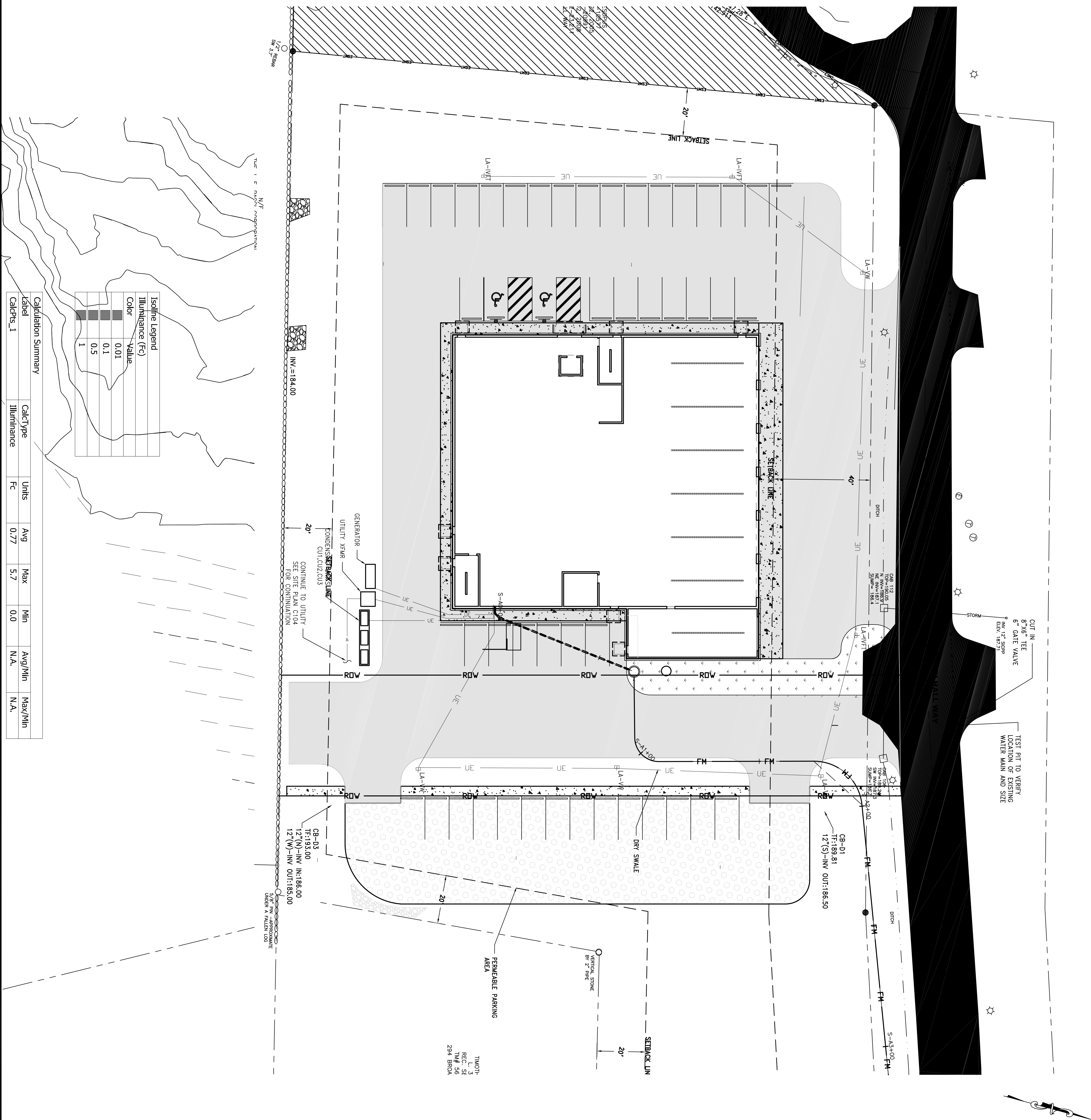
N/F ESOPUS
TOWN OF ESOPUS
INS. 00051577
REC. APRIL 22, 2005
INST. 2008-20991
REC. DEC. 02, 2009
TM# 56.75-23.211
1 TOWN HALL WAY

N/F
TOWN OF ESOPUS
TOWN OF ESOPUS
INS. 00051577
REC. APRIL 22, 2005
INST. 2008-20991
REC. DEC. 02, 2009
TM# 56.75-23.211
1 TOWN HALL WAY

N/F
PETER MARINO
INS. 00051577
REC. JULY 30, 2018
TM# 56.75-2-11,200
296 BROADWAY/ROUTE 9W

N/F
TIMOTHY S. ALFRED
INS. 00051577
REC. SEPT. 27, 2000
TM# 56.75-2-10,100
284 BROADWAY/ROUTE 9W

N/F
MERCEDES ROSS
L. 3478 P. 235
REC. DEC. 16, 2002
TM# 56.75-2-11,200
292 BROADWAY/ROUTE 9W



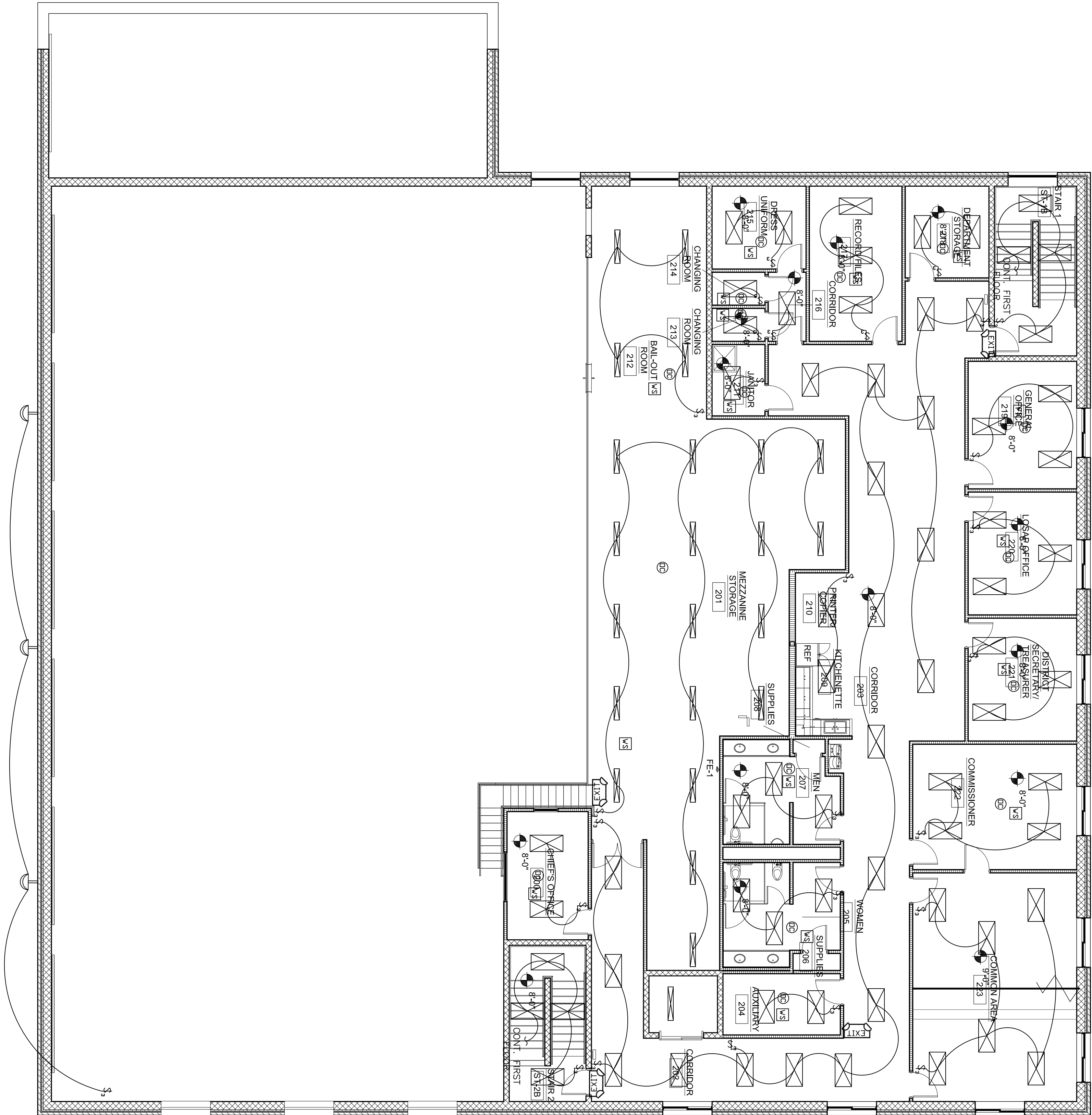
1. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL THE ELECTRICAL SERVICE FROM THE NATIONAL GRID CONNECTION.
2. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL THE ELECTRICAL GENERATOR AND ASSOCIATED CORDOUT AND CONDUCTIONS.
3. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL THE SITE LIGHTS, POLES, BASES, CONDUIT AND CONDUCTORS. LIGHT POLES SHALL BE 30' ROUND TAPERED ALUMINUM HARPO MODEL NUMBER R1436C784H.
4. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL THE ELECTRICAL TO THE CONDENSING UNITS.

BID PLANS

REVISIONS		
NO.	DATE	DESCRIPTION
1	6/16/23	CONSTRUCTION
2	8/30/23	ADDENDUM #3



DATE: 8/30/2023
DRAWN BY: AMRDA
SCALE: AS SHOWN
REVIEWED BY:
PROJECT NO.: 21-2343
FILE: E-020 ELECTRICAL SITE PLAN

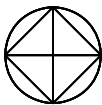


SECOND FLOOR LIGHTING PLAN

1/8" = 1'-0"

- NOTES:
1. THE RLM LIGHTS ABOVE THE GARAGE DOORS SHALL BE USED TO LIGHT UP THE SIGN. ASSUME A 17' ELEVATION.
 2. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A DUSK TO DAWN PHOTO CELL ON THE RLM CIRCUIT.

AWARNING: THIS DRAWING IS A PRELIMINARY DESIGN. IT IS NOT TO BE USED FOR CONSTRUCTION. THE DESIGNER ASSUMES NO LIABILITY FOR ANY ERRORS OR OMISSIONS. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE DESIGNER ASSUMES NO LIABILITY FOR ANY ERRORS OR OMISSIONS. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.



BID PLANS

SHEET:
E-201

SECOND FLOOR
LIGHTING PLAN

PORT EWEN FIRE
DEPARTMENT
ULSTER COUNTY, NY

REVISIONS		
NO.	DATE	DESCRIPTION
1	6/16/23	CONSTRUCTION
2	8/30/23	ADDENDUM #3



DATE:	8/30/2023
DRAWN BY:	AA
SCALE:	AS SHOWN
REVIEWED BY:	AA
PROJECT NO.:	21-2343
FILE:	