TAS 26-15A / D215083

Rehabilitation of the Wastewater Treatment Plant at the Chittenango Service Area
I-90, Milepost 266.3 Westbound in Madison County

QUESTIONS AND ANSWERS

February 12, 2026

Q1. In Spec section "Pre-Bid Inspection", it states to "Inform the appropriate division Point of Contact Prior to visiting site". the Division point of contact forward our information to the engineer. Please Provide a good contact to schedule a pre- bid Inspection.

A1. The appropriate Division Point of Contact to inspect the project facilities is Jerrin George (Tel: 315-438-2391) as indicated in the Proposal published for the project. An appointment should be made at least 48 hours prior to arrival at the project site for a Pre-Bid Inspection. Additional/supplementary assistance for an appointment can be obtained from Barry Oaksford (Tel: 315-438-2315).

Q2. On Drawing C-1 Note 4 states to demolish the existing tricking filter. Please provide a record drawing for the trickling filter to determine the depth of the existing tank.

A2. A record drawing of the existing trickling filter is being provided as an attachment to this document.

Q3. On Drawing C-1 Note 11 states to demolish the existing Sand bed. Please provide a record drawing for the Sand bed to determine the depth of the existing Structure.

A3. NYSTA Supplement Information (aka Record Drawing) appended to this RFI Response; provided as for reference only. The Contractor will be required to verify actual conditions existing at the project site and also required to construct the project work in accordance with the construction documents. A record drawing of the existing sand bed is being provided in the attached drawing. Gannett Fleming Engineers and Architects, P.C. drawing: Sand Filter Beds Plan Sections and Details M-2 dated May 2002.

Q4. On Drawing C-1 note 4 states to demolish the existing Sludge Holding tank. Please provide a record drawing for the Sludge holding tank to determine the depth of the existing Structure.

A4. NYSTA Supplement Information is appended to this RFI Response; provided as reference only. The Contractor will be required to verify actual conditions existing at the project site and also required to construct the project work in accordance with the construction documents. The Contractor may assume a sludge volume of 130,000 gal to haul and dispose from the facility in accordance with Spec 01-50-00. Drawing titled "Sewage Treatment Plant Chittenango" dated 2/6/1964.

Q5. On Drawing M-5 & M-7 Shows a concrete extension wall around the Anoxic Equalization tank and the clear well. Please confirm that no dowels and water stop are needed for this concrete.

A5. NYSTA Supplement Information is appended and provided in response to this RFI; to clarify related conditions in Drawings M-5 and M7. The Contractor will be required to verify actual conditions existing at the project site and also be required to construct the project work in accordance with the construction documents.

TAS 26-15A / D215083

Rehabilitation of the Wastewater Treatment Plant at the Chittenango Service Area
I-90, Milepost 266.3 Westbound in Madison County

QUESTIONS AND ANSWERS

Q6. On Drawing C-2, it states to provide SS piping from the control building to the amphidrome Reactor. Please Provide Spec on the SS Pipe.

A6. NYSTA Supplement Information is appended to this RFI Response for clarity to Drawing C-2.

February 16, 2026

Updated to include the Record Drawings of the Sand Filter Beds and Sludge Tank, respectively. These two record plan drawings had been inadvertently left out of the Q&A document first posted on February 12, 2026. They are being placed before the supplemental information provided in response to question Q5., Response A5.

February 26, 2026

Q7. Drawing M-9 indicates a 6-inch motorized butterfly valve. Please provide the specifications for this valve, including manufacturer, model, actuator type, power requirements, and control requirements.

A7. The specifications are: AT Controls ESP butterfly valve ‘ESP L1 0600 BNF XF’ with ‘WEM-1350’ electric actuator, or equal wired to Amphidrome Control panel.

Q8. Please provide a paving section for the new asphalt paving (subbase thickness, base course, surface course).

A8. The information you have requested for asphalt paving section is provided on the SITE DETAILS, Drawing Number SD-7, sheet 31 of 39 of the NYSTA plans published for the subject project, and the detail is titled “ASPHALT DRIVEWAY PAVEMENT DETAIL”.

March 2, 2026

Q9. Please confirm whether the heat trace material will be located in a class 1 division 1 area or a class 1 division 2 area. Drawing E-4 seems to indicate that the material needs to be rated for C1D1. However, the SRL cable called for on drawing E-6 is rated for C1D2. Which type of system do we need to provide?

A9. The heat trace cable should not need to be located in CIDI areas, but it will be located in CIDII areas. The cable will not need to go inside any of the holding tanks but will interact with the process piping as soon as the piping is on the outside of the tank.

Q10. Drawings E-3 and E-6 call for a ITC2 which is a 2-circuit controller, but drawing E-2 seems to call for two separate 1-circuit controllers. Please confirm which controller system is required.

A10. The intent is to have 2 heat trace circuits, both of which are controlled via a single ITC2 controller. E-2 is calling for (2) electrical enclosures that interface with HTC-2, because pipe 5 is in a separate area but still designated as part of HTC-2.

NYS Thruway Authority

Supplementary Information - 1 (Photograph) of Facility **similar** to project facility
Date: Feb-12-2026

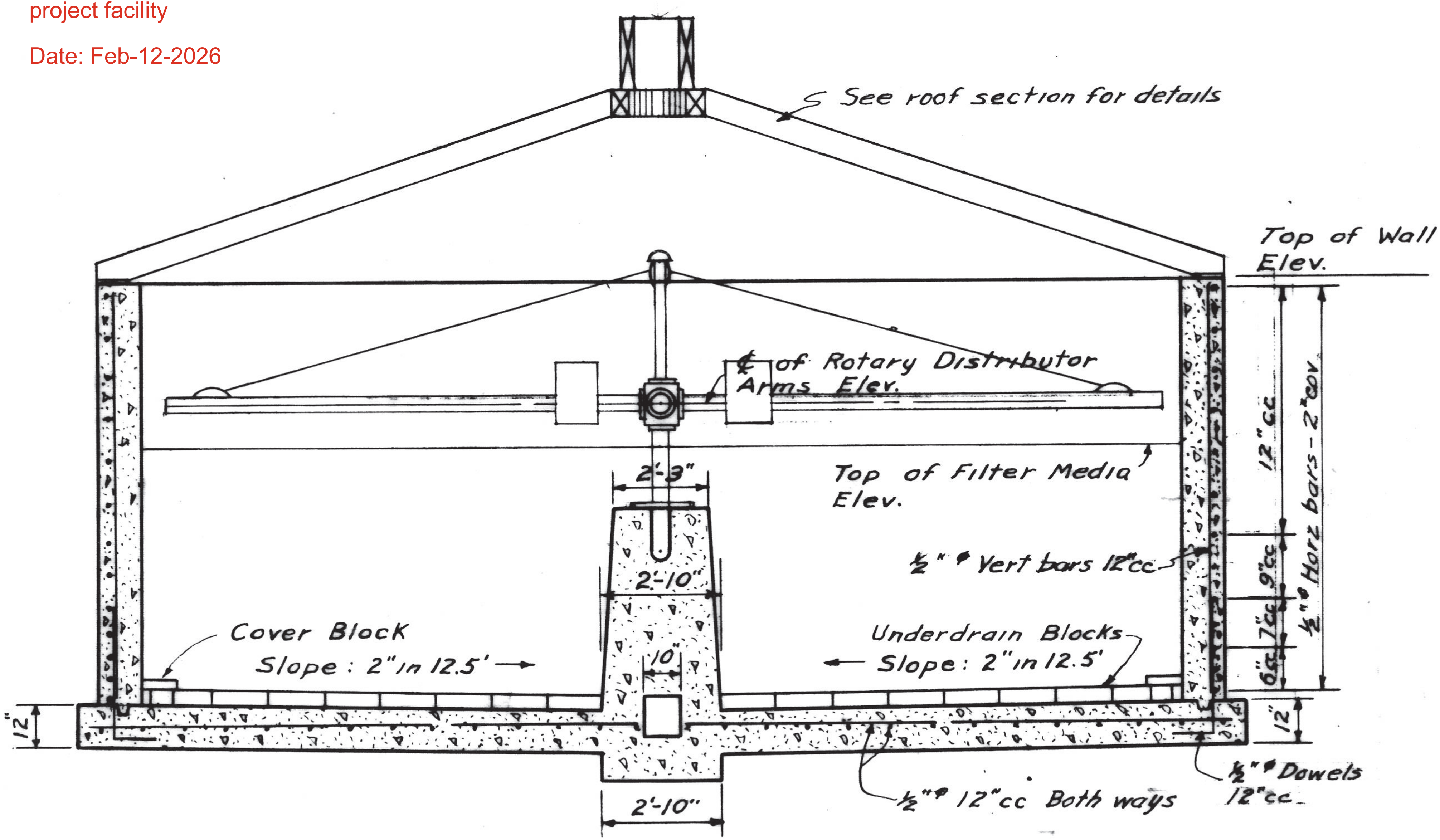
Response to RFI-02 (Questions and Answers Document Question Q2., Response A2.)

Response to RFI-02 (Questions and Answers Document Question Q2., Response A2.)

NYS Thruway Authority

Supplement Information - 2 Facility similar to existing project facility

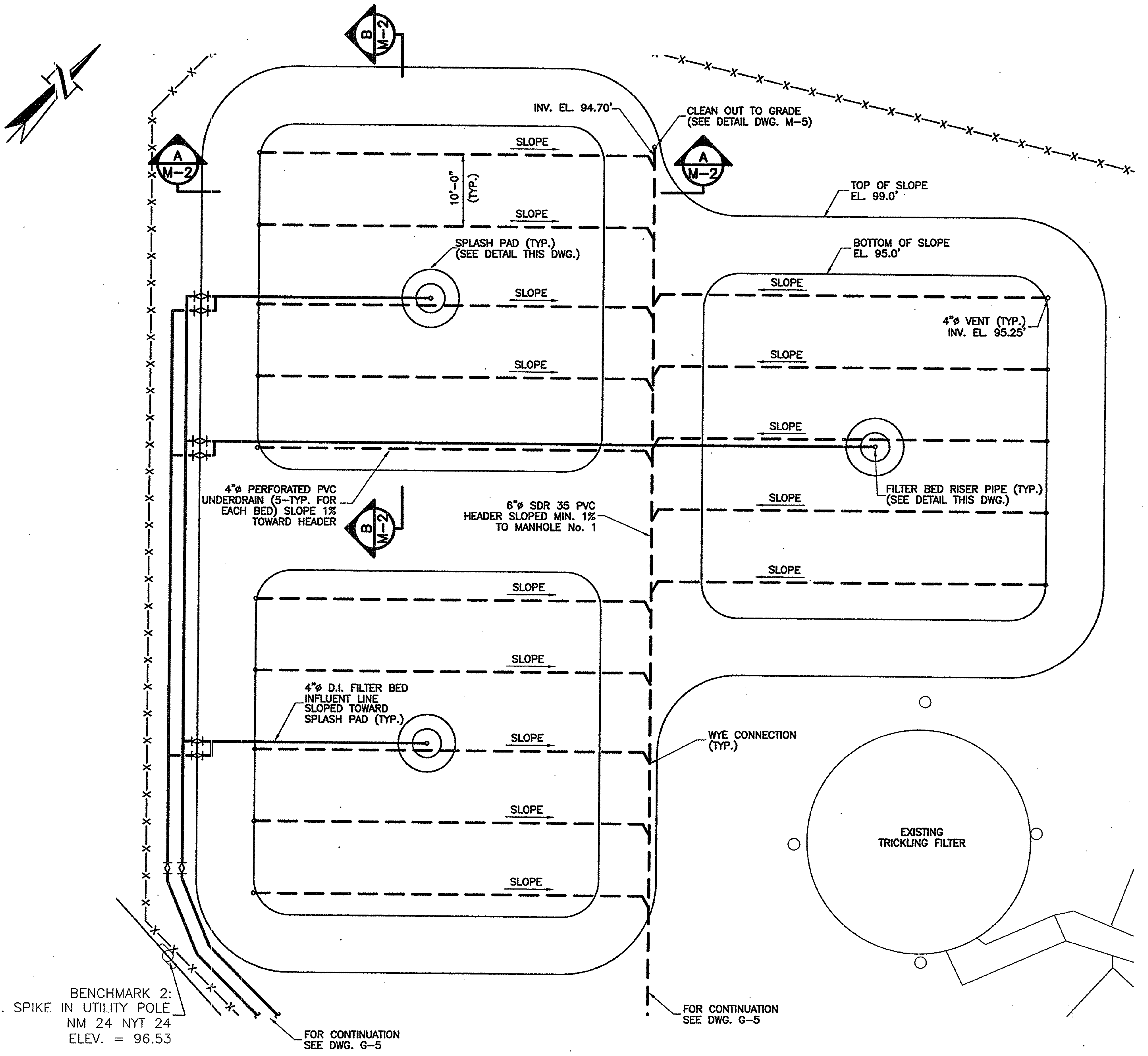
Date: Feb-12-2026



SECTION A-A

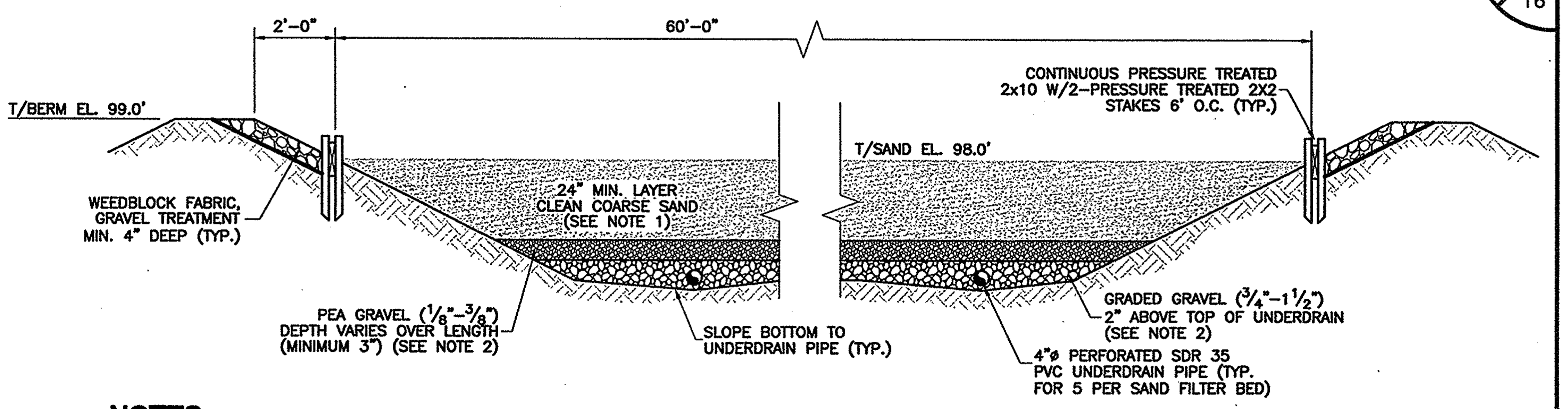
Scale ¼" = 1'-0"

Response to RFI-03 (Questions and Answers Document Question Q3., Response A3.)



SAND FILTER BEDS PLAN

SCALE: 1"=10'

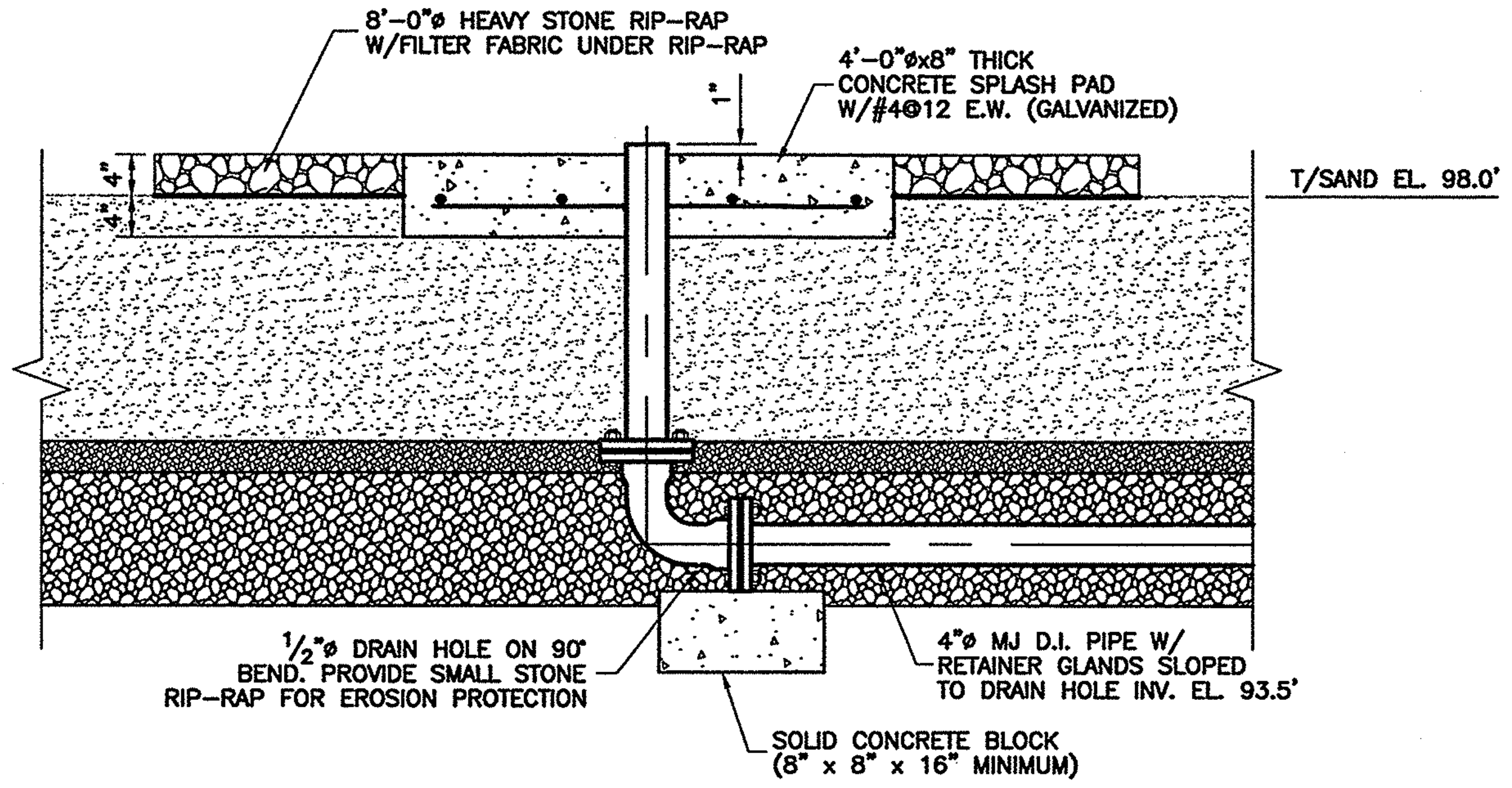


SECTION M-2B

SCALE: 3/8"=1'-0"

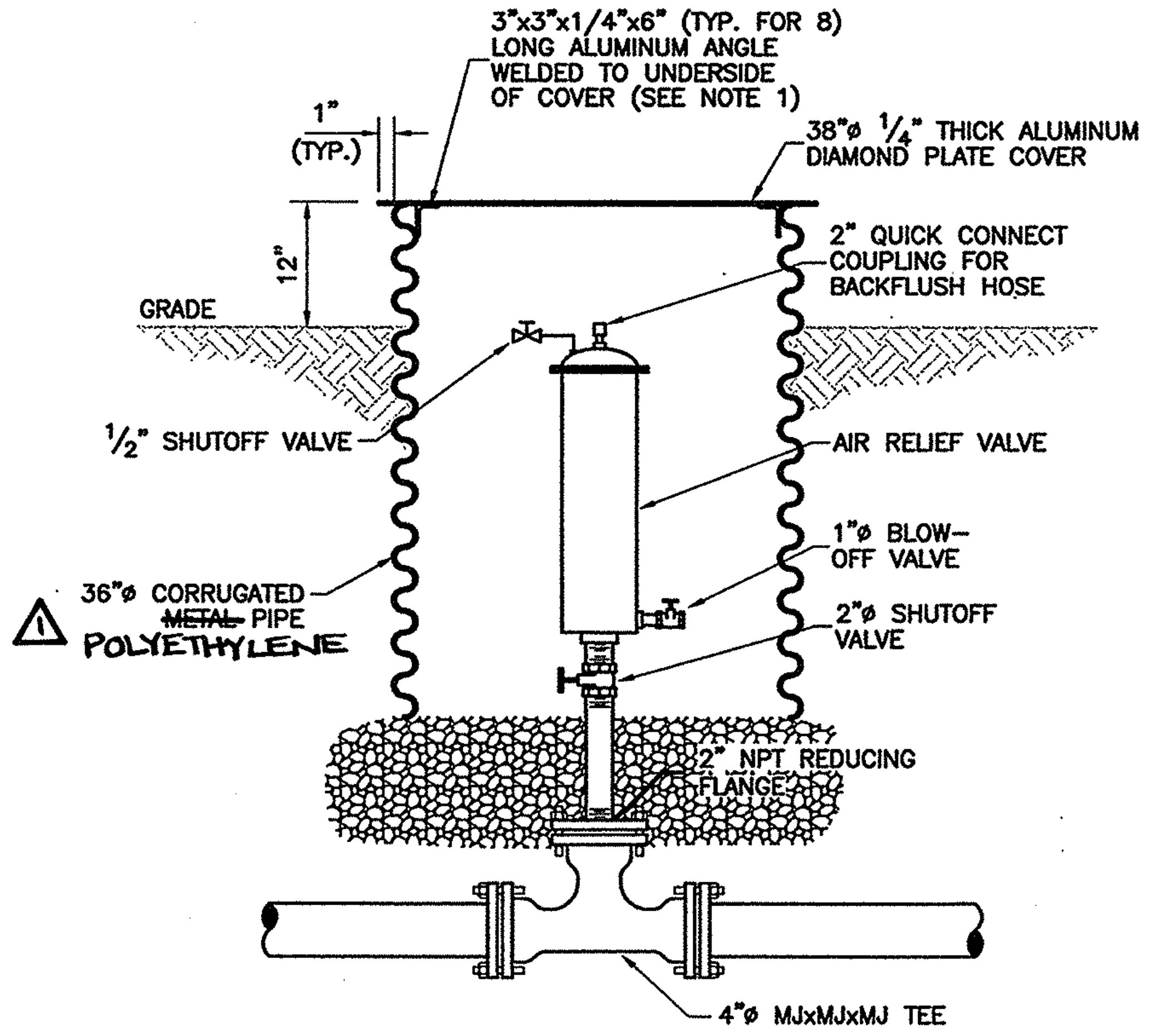
NOTES

1. THE EFFECTIVE MEDIA SIZE SHALL RANGE FROM 0.25 TO 1.00 mm, WITH A UNIFORMITY COEFFICIENT LESS THAN 4.
2. GRADED GRAVEL MUST BE PLACED TO A DEPTH OF AT LEAST 10 INCHES AROUND UNDERDRAINS, AND SHALL BE 3/4 TO 1-1/2 INCHES IN SIZE. THIS SHALL BE COVERED WITH AT LEAST 3 INCHES OF PEA GRAVEL WHICH SHALL BE 1/8 TO 3/8 INCHES IN SIZE.



SAND FILTER BED RISER PIPE DETAIL

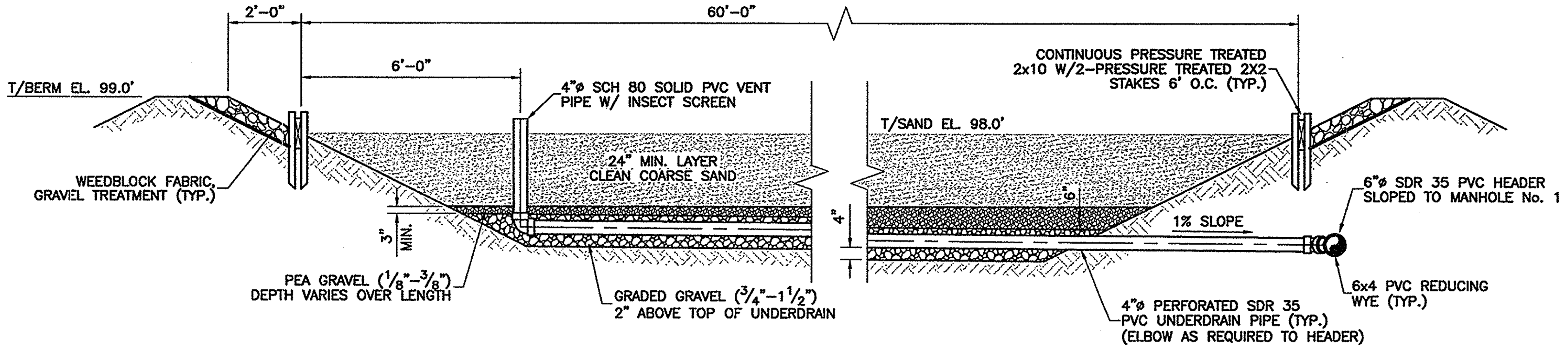
SCALE: 3/4"=1'-0"



TYPICAL AIR RELIEF VALVE DETAIL

NOTES

1. THE ANGLES SHALL PROVIDE FOR A SNUG FIT OF THE COVER PLATE ONTO THE CORRUGATED PIPE.
2. AIR RELIEF VALVE TO BE INSTALLED TO ALLOW EASY ACCESS TO SHUT OFF AND BLOW OFF VALVES.



SECTION M-2A

SCALE: 3/8"=1'-0"

CHECKED BY:

DRAFTED BY:

DESIGNED BY:

IN CHARGE OF:

38474.405-M2
051402

Gannett Fleming
ENGINEERS AND ARCHITECTS, P.C.

LOCUST VALLEY, NY HARRISBURG, PA

STEPHEN HADJIYANE 066695

11/03 Allan J. Cowan

DATE	DESCRIPTION	BY	SYM.
1-27-03	AIR RELIEF MH MATERIAL CHANGE	C. SCHRAM	1

REVISIONS

NEW YORK STATE THRUWAY AUTHORITY
DEPARTMENT OF ENGINEERING SERVICES
200 SOUTHERN BLVD., ALBANY, N.Y. 12209

TITLE OF PROJECT
REHABILITATION OF THE WASTEWATER TREATMENT PLANT

LOCATION OF PROJECT
CHITTENANGO SERVICE AREA
M.P. 266.3± W.B.

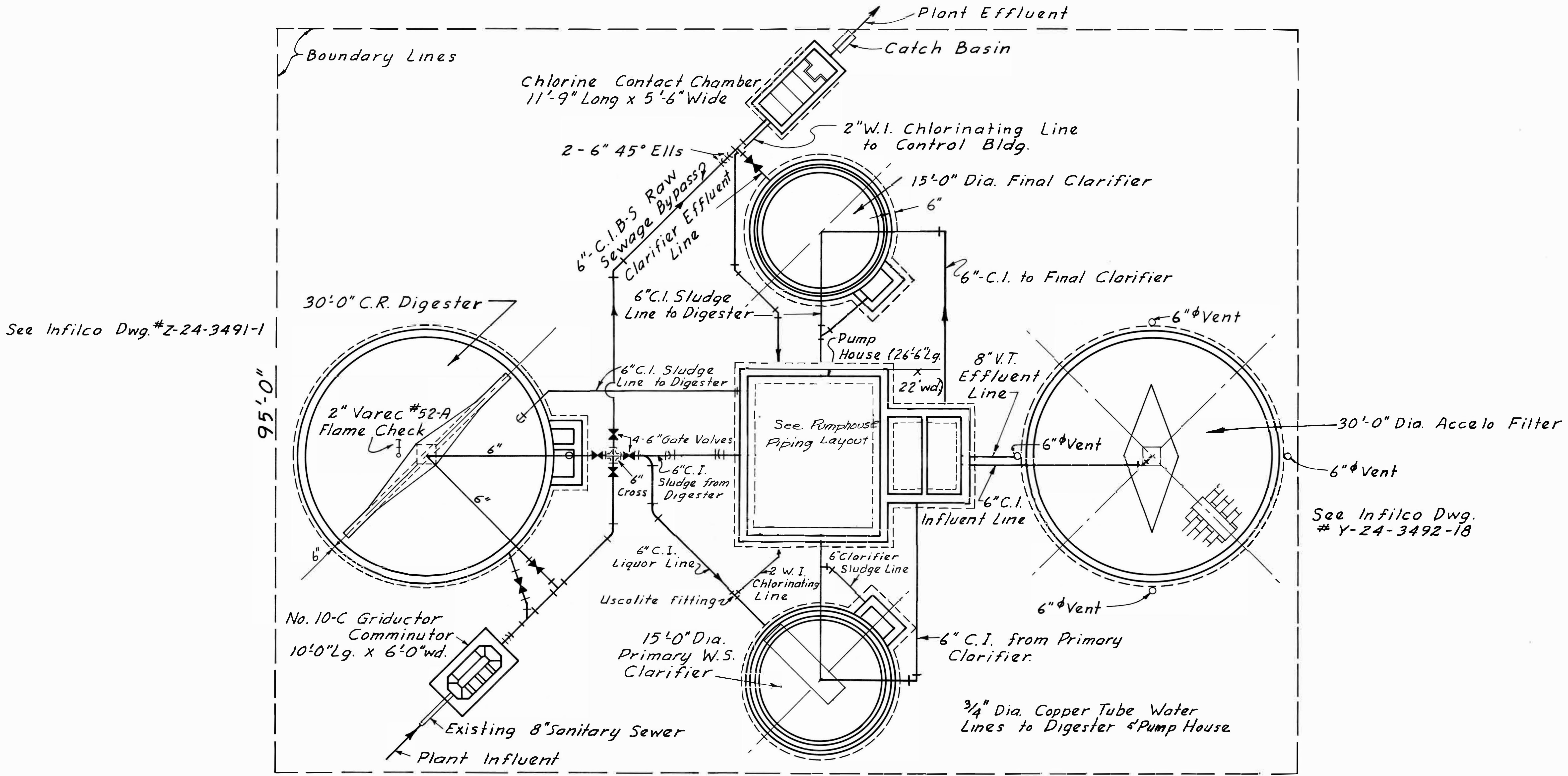
TITLE OF DRAWING
SAND FILTER BEDS
PLAN SECTIONS AND DETAILS

CONTRACT NUMBER: TAS 02-15A

DATE: 5/14/02

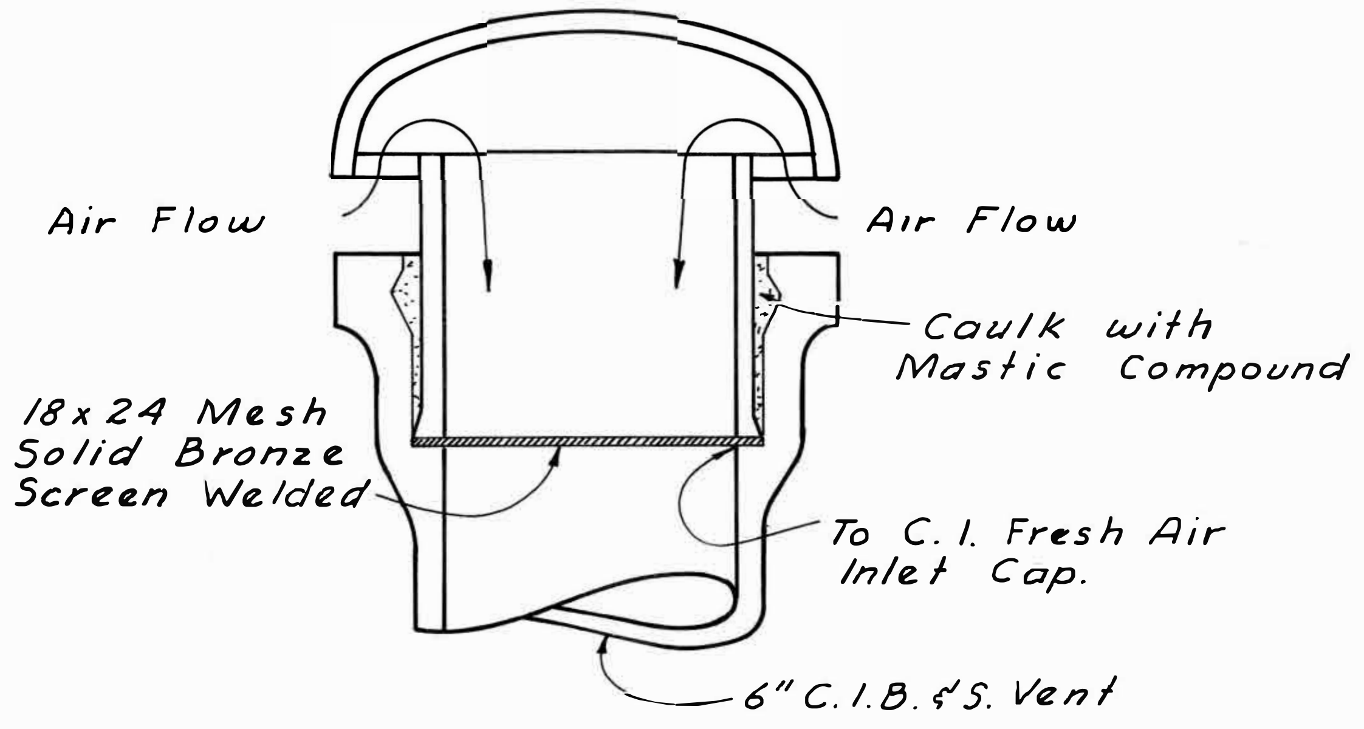
DRAWING NUMBER: M-2

Response to RFI-04 (Questions and Answers Document Question Q4., Response A4.)

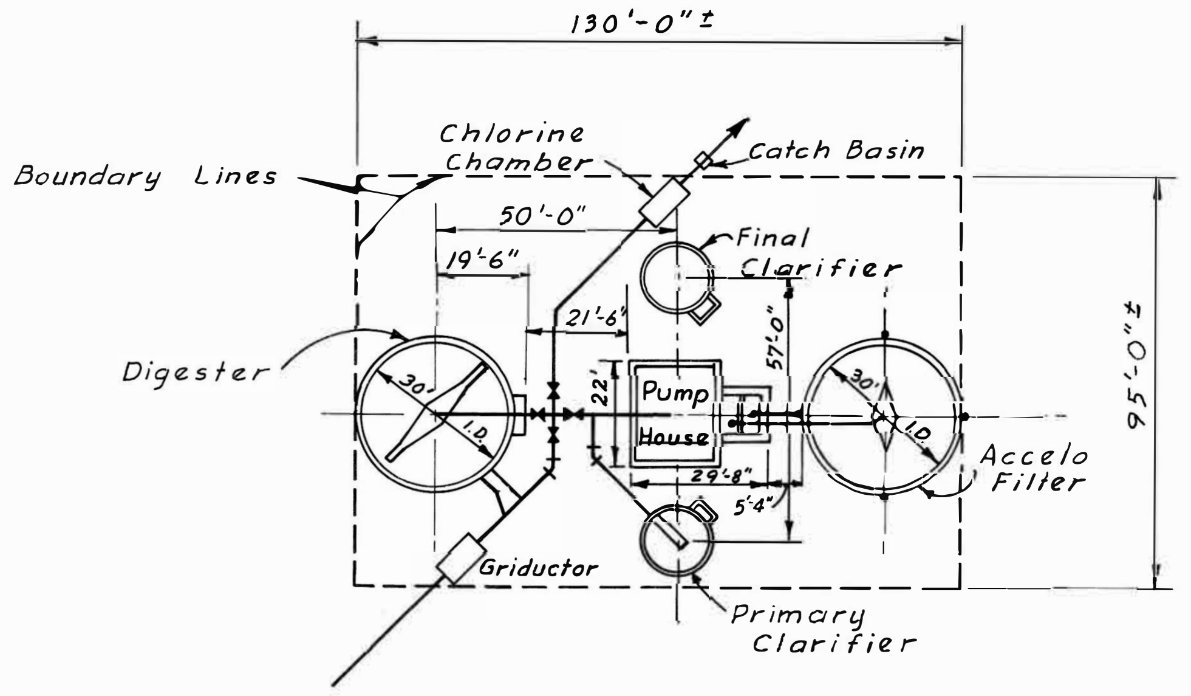


NY0027448

PLUMBING PLAN
Scale 1" = 10'-0"



DETAIL OF VENT & SCREEN CAP FOR 4"-6" DIA. C.I. PIPE VENTS AT FILTERS
(Not To Scale)



PLOT PLAN
Scale 1" = 40'-0"

Copy of Villard Contracting Inc. (Dwg #S302)

NEW YORK STATE THRUWAY AUTHORITY
Department of Engineering and Maintenance

SEWAGE TREATMENT PLANT
CHITTENANGO

Drawn by GR
Checked by
Date 2/6/64
Dwg. No. 5-5-2-DT

Response to RFI-05 (Questions and Answers Document Question Q5., Response A5.)

NYS THRUWAY AUTHORITY

SUPPLEMENT INFORMATION

Project: TAS 26-15A - Rehabilitation of Wastewater Treatment Plant, Chittenango, NY
Date: Feb-12-2026

CONCRETE WALL EXTENSION NOTES

GENERAL

1. The work consists of extending the existing reinforced concrete wall vertically as indicated on the Drawings.
2. Contractor shall field verify existing wall thickness and condition prior to drilling. Notify Engineer of discrepancies prior to proceeding.
3. All work shall comply with ACI 318 and applicable NYSDOT Standard Specifications where referenced.

PREPARATION OF EXISTING CONCRETE SURFACE

1. The top surface of the existing wall shall be mechanically roughened to expose sound aggregate and promote bond.
2. Remove all laitance, loose material, dust, oil, and contaminants.
3. Surface shall be prepared to Saturated Surface Dry (SSD) condition prior to placement of new concrete.

DRILLED AND ADHESIVE-ANCHORED DOWELS

1. Provide drilled and adhesive-anchored reinforcing dowels into the top of the existing concrete wall.
2. Dowels shall be:
   - 2.1 #4 reinforcing bars
   - 2.2 Embedded a minimum of **6 inches** into the existing concrete
   - 2.3 Installed plumb unless otherwise noted
   - 2.4 Adhesive anchoring material shall:
   - 2.5 Be suitable for wet or water-saturated concrete conditions
   - 2.6 Conform to **NYSDOT Standard Specifications Section 701-07 – Anchoring Materials**
   - 2.7 Be installed in strict accordance with manufacturer's written instructions
3. Hole diameter and installation procedures shall follow manufacturer recommendations.
4. Hole cleaning shall include minimum blow-brush-blow sequence prior to epoxy placement.
5. Bars shall not be disturbed or loaded until adhesive has fully cured.

CONSTRUCTION JOINT WATERSTOP

1. Provide hydrophilic construction joint waterstop at the interface between existing and new concrete.
2. Waterstop shall be:
   - A. Sika Hydrotite CJ-0725-3K-ADH or approved equal

   B. Self-adhesive type
3. Installed continuously along the full length of the wall extension
4. Install centered within the wall thickness unless otherwise noted and maintain minimum 2 inches concrete cover.
5. Butt joints tightly; do not overlap.
6. Protect waterstop from premature wetting prior to placement of new concrete.

SURFACE JOINT SEALANT

1. Provide sealant at exposed concrete joint between existing and new wall at all exposed faces.
2. Joint preparation shall include:
3. Sawcut control groove centered on joint, 1/2 inch wide x 1/2 inch deep (unless otherwise noted)
4. Clean joint of dust and debris
5. Install closed-cell backer rod sized 25% larger than joint width
6. Sealant shall be:
7. One-part polyurethane or moisture-cured elastomeric sealant
8. Suitable for exterior concrete applications
9. Compatible with damp conditions
10. Meeting ASTM C920, Type S or M, Grade NS, Class 25 minimum
11. Install sealant in accordance with manufacturer’s instructions and tool to ensure proper adhesion to both sides of joint.
12. Sealant color to match adjacent concrete unless otherwise specified.

NEW WALL REINFORCEMENT

Provide reinforcement consisting of:

1. A mat of #4 reinforcing bars at each face of the wall
2. Bars oriented vertically and horizontally unless otherwise indicated
3. Spacing as shown on the Drawings (12" O.C. each way if not otherwise noted)
4. Maintain minimum 2 inches clear concrete cover at each face.
5. Reinforcing steel shall conform to ASTM A615, Grade 60 unless otherwise noted.
6. Lap splices shall comply with ACI 318 and shall not be less than 24 inches for #4 bars unless noted otherwise.

FIELD QUALITY CONTROL

1. Engineer reserves the right to observe surface preparation, dowel installation, waterstop placement, and sealant installation.
2. Improperly installed materials shall be removed and replaced at no additional cost.

Response to RFI-06 (Questions and Answers Document Question Q6., Response A6.)

NYS THRUWAY AUTHORITY

SUPPLEMENT INFORMATION

Project: TAS 26-15A - Rehabilitation of Wastewater Treatment Plant, Chittenango, NY
Date: Feb-12-2026

Colliers
Engineering
& Design

WWTP BLOWER AIR PIPING – SS304 SCH 10S, FLANGED (MAX 30 PSI)

1. SERVICE / BASIS OF DESIGN

1.1 Provide blower discharge air piping as shown for wastewater treatment plant service.
1.2 **Design Pressure:** 30 psi (maximum).
1.3 **Design Temperature:** ___ °F (or 120°F if not otherwise noted).
1.4 Provide piping sloped to drain where shown and as needed to manage condensate in air mains.

2. PIPE MATERIAL

2.1 Pipe shall be **Type 304/304L stainless steel**, ASTM **A312**, **Schedule 10S**.
2.2 Pipe ends shall be beveled for welding where applicable.

3. FITTINGS

3.1 Butt-weld fittings shall be **304/304L stainless steel**, ASTM **A403**, Schedule 10S to match pipe.
3.2 Use long-radius elbows unless otherwise indicated.

4. FLANGES / PRESSURE CLASS

4.1 Flanges shall be **ASME B16.5, Class 150**, **304/304L stainless steel** (ASTM **A182 F304/F304L**), raised face unless otherwise shown.
4.2 Provide matching Class 150 flanged valves, spool pieces, and appurtenances.

5. GASKETS

5.1 Provide **full-face gaskets** suitable for blower air service and 30 psi.
5.2 Gasket material: **EPDM** (typical) or **NBR** where oil carryover is possible; select compatible with actual blower/compressor lubricant and operating temperature.
5.3 Where connecting to dissimilar metals (CS/DI), provide isolation gasket kits as required to minimize galvanic corrosion.

6. BOLTING

6.1 Provide stainless bolting: **ASTM A193 Grade B8M** studs with **ASTM A194 Grade 8M** heavy hex nuts.
6.2 Provide anti-seize suitable for stainless fasteners; tighten in star pattern to recommended torque.

7. FABRICATION / INSTALLATION

7.1 Fabricate and install in accordance with **ASME B31.3** (Process Piping) unless noted otherwise.
7.2 Welding shall be by qualified welders using qualified WPS/PQR.
7.3 Prevent carbon steel contamination of stainless (dedicated stainless tools/brushes; keep stainless off carbon steel work surfaces).
7.4 After fabrication, clean per **ASTM A380**; passivate stainless surfaces where required by project specifications.

8. VIBRATION / FLEXIBILITY

8.1 Provide **flexible connectors** (stainless braided hose or rubber expansion joint rated for air service and 30 psi) at blower nozzles as shown/required to isolate vibration.

8.2 Provide guides/anchors as necessary so expansion joints/flex connectors are not subjected to lateral misalignment or pipe weight.

TESTING

11.1 Perform leakage testing of blower air piping after installation.

- **Preferred:** Pneumatic leak test at **1.1 × design pressure (33 psi)** with soap solution / approved leak detection method, in accordance with ASME B31.3 safety requirements.
- If hydrostatic testing is required by project standards, test at **1.5 × design pressure (45 psi)** where practical and safe.
  11.2 Repair leaks and retest until passing.