BLACK & VEATCH Building a world of difference.	ADDENDUM NO. 1

3/17/2017

Paso Robles, CA
Tertiary Treatment Facilities Project
CONTRACT NO. 16-22

ADDENDUM NO. 1

March 17, 2017

A. SCOPE. This Addendum No. 1 consists of pages AD1-1 through AD1-6 and covers the following additions and changes to the specifications and drawings for this project and contains the following attachments:

- Reissued Specification 00452
- Reissued Specification 00461
- Figure 1
- Figure 2
- Figure 3

B. SPECIFICATIONS.

1. 13500 SECTION 1-2.04

   Revise the text in the fourth bullet of section 1-2.04 as follows:
   The supplier shall have as a minimum 5 years of experience in the design, coordination and supply of computer-based monitoring, control, and data acquisition systems for wastewater, recycled water, or water treatment facilities and shall meet the following requirements:

   ✓ ~~Rockwell Automation Recognized System Integrator~~ **ControlLogix Programmer Track Certification**
   ✓ ~~Wonderware Certified Developer~~
   ✓ **Wonderware Registered System Integrator**
   ✓ Minimum of 5 years of system integration experience on projects of similar size and complexity for the water or wastewater treatment facilities with a minimum of $15 million total construction cost.
   ✓ Engineering resources located in ~~Central~~ California
   ✓ ~~CSiA (Control System Integrators Association) Certified~~
   ✓ California C10 Contractor's License

2. 00452
   a. Replace Specification 00452 in its entirety. See Attachment.

3. 00461
   a. Replace Specification 00461 in its entirety. See Attachment.

4. 02140

a. Revise the last sentence in section 1-1 as follows:
Dewatering of trenches and other excavations shall be considered as incidental to the construction of the Work and the costs for the dewatering shall be included in the Contract Prices in the Bid Schedule. Dewatering shall consist of design, furnishing, installation, operation, maintenance, monitoring, reporting and removal of a dewatering system(s)~~. to achieve proper completion of Work performed. Historically there has been a lot of ground water on site even though the geotechnical borings indicate no ground water.~~
CONTRACTOR should be aware that groundwater has been encountered on the site in recent construction activities.

5. 02200
   a. Add the text at the end of the second paragraph in section 2-1.03 General Fill and Embankment Materials as follows:
   General fill shall not be used beneath or within 5 feet of exterior edge of foundations. The edge of foundation applies to the highest foundation bearing level for any structure.
   b. Revise the text in section 2-1.05.01 General Fill Structure Backfill as follows:
   ~~(Not used).~~ **General fill for use as structure backfill shall meet the requirements of previous paragraph entitled "General Fill and Embankment Materials" and in addition shall have an expansion index of less than 50.**
   c. Revise the text in section 2-1.06.01 General Fill Select fill as follows
   ~~General fill for use as select fill shall meet the requirements of the previous paragraph entitled "General Fill and Embankment Materials", and in addition shall have an Expansion Index of less than 50.~~ **(Not used).**
   d. Revise the text in section 2-1.06.02 Crushed Rock Select fill as follows
   Crushed rock select fill shall be in accordance with requirements for Caltrans structure backfill specified herein.
   e. Revise the text in section 2-2.01 Preliminary Review of Materials as follows:
   As stipulated in the Quality Control section, all tests required for preliminary review of materials shall be made by an acceptable independent testing laboratory at the expense of CONTRACTOR. **The tests shall have been performed within 45 days of submittal and shall be representative of material delivered to the site.** Two initial gradation tests **and two initial expansion index tests** shall be made for each type of general fill, select fill, structure backfill, granular fill, or other specified material, and one additional gradation test shall be made for each additional 500 tons of each material delivered (imported) to the jobsite or suitable onsite material incorporated in select fill or structure backfill.
   f. Revise the text in the first and second paragraphs in section 3-4.01 Drainage Material as follows:
   If the thickness of the ~~granular fill~~ **drainage material** is less than 6 inches, the compaction shall be by a minimum four passes (round trips) of a self-propelled or walk-behind type vibratory roller operating in full vibration mode in accordance with manufacturer's instructions.
   Where ~~granular fills~~ **drainage material** are to be covered with concrete, the top surface shall be graded to the required sub-grade elevation. The completed fill shall be covered by polyethylene film.
   g. Revise the requirement in section 3-4.02 Structure Backfill as follows:

Relative Compaction ~~90%~~ **95%**

6. 02158
   a. Add the following text to section 1-2a Submittals:
   Soil mix element designer experience~~.~~ **and analytical methods to be used in the design and performance evaluation of the soil mixing ground improvement.**
   b. Add a sentence to the end of the first paragraph in section 1-5 Soil Mixed Element Design as follows:
   Design calculations and construction drawings shall be sealed and signed by a Civil, Structural, or Geotechnical Engineer licensed in the State of California. **The analytical methods to be used in design and performance evaluation of the soil mixed ground improvement shall be submitted for review by ENGINEER prior to submitting design calculations.**
   c. Remove the text in section 1-5.01 Design Criteria as follows
   ~~Design of the soil mixed elements shall incorporate the following load cases:~~
   ~~a. Post construction, static load case: Soil elevations used in the design shall be the finished grade elevation as shown on the Contract Drawings. A factor of safety of 1.3 or greater on service loads shall be used for this load case.~~
   ~~b. Post construction, seismic load case: Soil elevations used in the design shall be the finished grade elevation as shown on the Contract Drawings. Seismic loads shall be combined with the static loads. A factor of safety of 1.1 or greater on service loads shall be used for this load case.~~
   d. Revise the design criteria table in section 1-5.01 as follows:

Description of Performance Criteria	**Requirement**
1. Allowable Bearing Pressure under static load (minimum factor of safety of 3; for an assumed footing size 5-foot square, 1-foot embedment)	≥ 2,000 psf
2. Allowable Bearing Pressure under seismic load (minimum factor of safety of 2; for an assumed footing size 5-foot square, 1-foot embedment)	≥ 2,500 psf
3. Minimum Modulus of Subgrade Reaction, ~~k_b~~ **K_v1** (for **square plate of 1 ft. x 1 ft. dimension** ~~foundation width [b] of approximately 52 ft.~~)	300 kcf
4. Total Static Settlement (for uniform a stress of 1,650 psf applied over the approximately 40 ft. x 52 ft. work limit area shown on the Contract Plans)	≤ 1 inches
5. Differential Static Settlement for uniform a stress of ~~1,650~~ **2,000** psf applied over the ~~approximately 40 ft. x 52 ft. work limit area~~ **footprint** shown on the ~~Contract Plans~~ **Drawings**)	Distortion Ratio ≤ ~~½ inch in 50 feet~~ **1 / 1,200**

6. Total Seismically Induced Settlement for uniform ~~a~~ stress of 2,500 psf applied over the ~~approximately 40 ft. x 52 ft.~~ work limit area shown on the ~~Contract Plans~~ **Drawings**)	≤ 1-1/2 inches
7. Differential Seismically Induced Settlement for uniform ~~a~~ stress of 2,500 psf applied over the ~~approximately 40 ft. x 52 ft.~~ work limit area shown on the ~~Contract Plans~~ **Drawings**)	Distortion Ratio ≤ ~~2 inches in 50 feet~~ **1 / 300**
8. Total Lateral Seismic Displacement over the ~~approximately 40 ft. x 52 ft. work limit~~ area shown on the ~~Contract Plans~~ **Drawings**)	< 6 inches
9. Differential Lateral Seismic Displacement over the ~~approximately 40 ft. x 52 ft. work limit~~ area shown on the ~~Contract Plans~~ **Drawings**)	Distortion Ratio ≤ ~~1 inch in 50 feet~~ **1 /600**
10. Minimum and Average Unconfined Compressive Strength of soil mixing Column Core Samples at 28 days	See Note 1

e. Revise the text in section 3-3 Probe Borings as follows:
Prior to developing the soil mix test section, a minimum of 5 probe borings shall be drilled within the soil mixed improvement area to provide an estimate of depth of the ~~bottom of the younger alluvium~~ **top of Paso Robles Formation** as described in the subsurface information referenced in the Supplementary Conditions. The results of the probe borings shall be used to establish depth of test section **and improvement area** soil mixed elements.

f. Revise text in the last sentence of the fourth paragraph of section 3-8 Uniformity of Mixing Acceptance Criteria as follows:
In addition, continuous core recovery shall be at least 85 percent over any ~~4-foot~~ **5-foot** core run.

7. 13700

a. Revise the text in section 1-1.01 as follows
The process design and equipment layout shown on the Drawings are based on the "Trojan UV3000 Plus" horizontal lamp system as manufactured by Trojan Technologies of London, Ontario, Canada, or equal. Additional approved manufacturers are WEDECO Duron UV System (Alternative B) of Charlotte, North Carolina, and Calgon Carbon C3500 System (Alternative C) of Pittsburgh, Pennsylvania.

~~If an acceptable manufacturer other than Trojan, Alternative A, is selected, any~~ **Any** changes to the dimensions, mechanical, HVAC, and electrical designs to accommodate the selected manufacturer and any additional cost in construction shall be the responsibility of the CONTRACTOR. Any electrical design modifications include, but are not limited to, panelboard feeding the UV equipment, conduit and cabling associated with UV system, step-down transformer, and safety disconnect switches. Note that an electrical room is already provided in the design and is sized to accommodate Alternatives B and C. ~~The~~

~~CONTRACTOR will need to provide an allowance to the ENGINGEER for any modifications to the design. .~~

8. 13701
   a. Revise the text in section 1-1 SCOPE as follows:
   This section covers the requirements for a UV disinfection system specified herein.

   If Alternative A is selected, then the equipment furnished shall be the UV3000Plus system as manufactured by Trojan Technologies of London, Ontario, Canada, without exception. Equipment provided shall meet the requirements of the Open Channel Ultraviolet Disinfection System General Requirements and the Open Channel Ultraviolet Disinfection System Performance and Validation Testing sections.

   The Contractor shall be responsible for determining the modifications required to the facilities design shown in the Contract Documents in order to accommodate the proposed UV equipment. Modifications to the contract documents that might be needed, subject to verification between the UV Equipment Manufacturer and the Contractor include, but may not be limited to the following:

   - **Increase in the dimensional width of the channel housing the UV equipment by 8 inches.**
   - **Modification to the branch circuit protection for each Power Distribution Center (PDC) and each local disconnect from 30 A to 40 A.**
   - **Modification to each PDC kVA rating from 18 kVA to 22 kVA**
   - **Modification to the size of the PDC**
   - **Addition of expansion baffle**

   Modifications impacting the overall footprint or size of the UV building are not expected and will not be acceptable.

   The Contractor shall also be responsible for accounting for the cost of constructing such modifications in their Bid. Design modifications will be defined by the ENGINEER and paid for by the CITY based on the UV equipment proposed by the successful Contractor. Revised contract documents will be issued during the equipment submittal process. Contractor shall allocate a minimum of four (4) weeks in their schedule to account for the CITY's Representative to make design modifications and issue revised contract documents. No extension of Contract Time is to be granted for these changes.

C. DRAWINGS.

1. Drawing AU102
   a. Revise Note 5 on AU102 as follows:
      5. 4~~"x4"~~ PREFINISHED ~~ALUMINUM~~ DOWNSPOUT (TYP OF 7)

2. Drawing AU200
   a. Revise Note 3 on AU200 as follows:

5. 4”x4” PREFINISHED ~~ALUMINUM~~ DOWNSPOUT (TYP OF 7)

3. Drawing AM102
   a. Revise Note 5 on AM102 as follows:
      4”x4” PREFINISHED ~~ALUMINUM~~ DOWNSPOUT

4. Drawing AM200
   a. Revise Note 2 on AM200 as follows:
      4”x4” PREFINISHED ~~ALUMINUM~~ DOWNSPOUT (TYP OF 4)

5. Drawing SG001
   a. Revise Note 4 under Soil and Foundations as follows:
      The following ~~net allowable~~ **foundation** bearing pressures were ~~utilized~~ **used** in the design of the foundations.
      Spread **(Shallow Foundations)** Footings ... 2500 PSF **Net Allowable Bearing Pressure**
      Mat Foundations ..... ~~2500~~ **1400** PSF **Gross Bearing Pressure**

6. Drawing CY503
   See Figure 1 attached.

7. Drawing SG006
   See Figure 2 attached.

8. Drawing SG007
   See Figure 3 attached.

D. ACKNOWLEDGEMENT BY BIDDER

Each bidder shall acknowledge receipt of all addenda in the space provided on the Bid Form.

SECTION 00452

INSTRUMENTATION AND CONTROL SYSTEM SUPPLIER QUESTIONNAIRE

The Bidder shall submit with its Bid a copy of this Instrumentation and Control System Supplier Questionnaire completed by Bidder's intended Instrumentation and Control System Supplier.

Upon award of a contract, the named Instrumentation and Control System Supplier shall be employed to perform the Work and the named equipment shall be furnished, unless changes are specifically authorized by Owner. Substitutions will be permitted only if named equipment does not meet the requirements of the Contract Documents, the manufacturer is unable to meet the delivery requirements of the construction schedule, or the manufacturer is dilatory in complying with the requirements of the Contract Documents.

Equipment listed by manufacturer's name shall not in any way constitute a waiver of the specifications covering such equipment; final acceptance will be based on full conformity with the Contract Documents.

Failure to furnish all information requested, entering more than one manufacturer's name for any item, or failure to provide at least three reference projects of the type required may be cause for rejection of the Bid or rejection of the Instrumentation and Control System Supplier. The Owner will contact the contact person identified for each project to confirm that the project is of similar scope to this project and to determine if the Suppliers performance was satisfactory. Satisfactory performance requires that the supplier exhibited adequate skills and knowledge of control systems for the applicable project, that the supplier performed the work in a timely manner, and that the supplier performed the required system testing and provided the substantiating documentation of testing. The City of Paso Robles will be the sole judge of whether the Instrumentation and Control System Supplier is qualified for this Project.

1. Instrumentation and Control System Supplier Company Name: _____

   Address _____

   _____

   Telephone number _____

2. Number of full-time design personnel on staff _____

3. Number of full-time service personnel on staff (not including personnel in Item 2 above) _____

4. Geographic location of service personnel for this Project _____

5. Number of years Supplier has successfully provided similar work for wastewater, recycled water, or water treatment facilities. List a minimum of three reference projects completed in the past five years. Reference projects must have a total construction value of at least ~~$5~~ **$15** million. _____

a. Reference –
Project Owner's name _____

Address _____

_____

Contact person's name _____

Telephone number _____

General description of project _____

_____

_____

_____

Total Construction Value ($): _____

b. Reference –
Project Owner's name _____

Address _____

_____

Contact person's name _____

Telephone number _____

General description of project _____

_____

_____

_____

Total Construction Value ($): _____

c. Reference –
Project Owner's name _____

Address _____

_____

Contact person's name _____

Telephone number _____

General description of project _____

_____

_____

_____

Total Construction Value ($): _____

6. The Supplier integration personnel shall possess the following current software certifications. Confirm certifications and identify the project personnel for this project and list their certifications.

   a. *ControlLogix Programmer Track Certification* _____

   b. *Wonderware ~~Certified Developer~~* ***Registered System integrator*** _____

   c. ~~*CSiA Certification*~~ _____

7. Manufacturers of principal devices for use on this Project (one manufacturer only for each item)

   a. *Programmable logic controllers* Allen-Bradley ControlLogix

   b. *Magnetic flowmeters* _____

   c. *Pressure and differential pressure transmitters* _____

   d. *Ultrasonic level and flow transmitters* _____

e. Turbidity Meter _____

f Chlorine Analyzer _____

The Bidder shall enter in the spaces provided the names of the manufacturers of equipment which Bidder proposes to furnish, and shall submit this Equipment Questionnaire with its Bid. Owner will review and evaluate the information before award of the Contract.

Only one manufacturer's name shall be listed for each item of equipment. Upon award of a contract, the named equipment shall be furnished. Substitutions will be permitted only if named equipment does not meet the requirements of the Contract Documents, the manufacturer is unable to meet the delivery requirements of the construction schedule, or the manufacturer is dilatory in complying with the requirements of the Contract Documents. Substitutions shall be subject to concurrence of Owner and shall be confirmed by Change Order, provided however, that Contractor shall not be entitled to any increase in the Contract Sum or Contract Time on account of a substitution.

Equipment listed by manufacturer's name shall not in any way constitute a waiver of the specifications covering such equipment; final acceptance will be based on full conformity with the Contract Documents.

END OF SECTION

Name of Bidder: _____

SECTION 00461

CERTIFICATION OF ELECTRICAL SUBCONTRACTOR'S EXPERIENCE AND QUALIFICATIONS

(To Accompany Bid)

The undersigned electrical subcontractor certifies that it is, at the time of bidding, and shall be, throughout the period of the contract, licensed under the provisions of Chapter 9, Division 3, of the Business and Professions Code of the State of California, to do the type of work contemplated in the Contract Documents. The electrical subcontractor further certifies that it is skilled and regularly engaged in the general class and type of work called for in the Contract Documents.

The electrical subcontractor represents that it is competent, knowledgeable, and has special skills concerning the nature, extent, and inherent conditions concerning the work to be performed. The electrical subcontractor further acknowledges that there are certain inherent conditions existent in the construction of the particular facilities which may create, during the construction program, unsafe conditions hazardous to persons and property. The electrical subcontractor expressly acknowledges that it is aware of such risks and that it has the skill and experience to foresee and to adopt protective measures to adequately and safely perform the construction work and protect all the workers engaged in the work with respect to such hazards.

If the Bidder (General Contractor) will self-perform the electrical work, the Bidder certifies that it acknowledges and complies with the above noted stipulations. If the Bidder will self-perform the electrical work only Sections B and E of this Certification must be completed.

A. ESSENTIAL REQUIREMENTS FOR QUALIFICATION

If the answer to any of questions 1 through 3 is "no", or if the answer to any of questions 4 through 7 is "yes", the Bidder (i.e. Electrical Subcontractor) will be ineligible or not responsible for purposes of the Contract.

1. Bidder possesses a valid and current California Contractor's license as required for the project for which it intends to submit a bid and for the type of work to be performed.
   □ Yes □ No

2. Bidder will comply with and provide all insurance as defined in Section 00800-2.0, Liability and Insurance.
   □ Yes □ No

3. Bidder has current Workers' Compensation insurance coverage as required by the Labor Code or is legally self-insured pursuant to Labor Code Section 3700 et. seq.
   □ Yes □ No

4. Has your contractor's license been revoked at any time in the last five (5) years?
   □ Yes □ No

5. Has a surety firm completed a contract on your behalf, or paid for completion because your firm was default terminated by the project owner within the last five (5) years?
   □ Yes □ No

6. At the time of submitting this qualification form, is your firm ineligible to bid on or be awarded a public works contract, or perform as a subcontractor on a public works contract, pursuant to either Labor Code Section 1777.1 or Labor Code section 1777.7?
   □ Yes □ No

7. At any time during the last five (5) years, has your firm, or any of its owners or officers been convicted of a crime involving the awarding of a contract of a government construction project, or the bidding or performance of a government contract?
   □ Yes □ No

B. COMPANY EXPERIENCE

The Bidder and its senior management have been engaged in the electrical contracting business, under the present business name or another company for _____ years and have experience in work of a nature similar to this project which extends over a period of _____ years (Bidder must show at least five (5) years of related experience).

The Bidder and its senior management, as an Electrical Subcontractor/Contractor, has never failed to satisfactorily complete a contract awarded to him, except as follows:

_____

_____

For the Owner to consider the Bidder properly experienced in work of similar nature to this project, the Bidder must list at least $5 million in construction volume for electrical work on no more than six (6) projects, and not less than three (3) projects, completed within the last ~~five (5)~~ **ten (10)** years of the following types of projects:

1. Water Treatment Plant
2. Wastewater Treatment Plant
3. Recycled Water Treatment Plant
4. ~~Major (at least 5 mgd)~~ Water/Recycled Water or Wastewater Pumping Facility (No more than two project references can be of this type)

The Bidder can include project(s) currently under construction, but only the total amount paid by the Owner(s) as of three (3) months prior to the bid date on

uncompleted project(s) can be included in the construction volume for purposes of this certification. The Bidder is allowed to list up to a maximum of six (6) projects of the types listed above, that combined, will add up to at least the cost in completed volume of work listed above. Any projects listed below which are not as defined above will not be considered by the Owner in meeting this experience requirement. The descriptions provided of the reference projects shall be adequate to make it apparent that the reference project is one of the types listed above with scope similar to the Paso Robles Tertiary Treatment Facility Project.

If the Bidder is a Joint Venture of two or more companies, at least one of the participants in the Joint Venture shall meet this prior project experience requirement. And, a separate Experience and Qualification statement shall be provided for each Joint Venture member in the format found below.

1. Project Name:_____

   Owner:_____

   Electrical Construction Cost: $_____

   Construction Time:_____ Calendar Days

   Owner's Representative:_____

   Owner's Telephone No.:_____

   Date of Substantial Completion:_____

   Brief Description of Project: _____
   _____
   _____
   _____
   _____

2. Project Name:_____

   Owner:_____

   Electrical Construction Cost: $_____

   Construction Time:_____ Calendar Days

   Owner's Representative:_____

   Owner's Telephone No.:_____

   Date of Substantial Completion:_____

Name of Bidder: _____

Brief Description of Project: _____
_____
_____
_____
_____

3. Project Name: _____

   Owner: _____

   Electrical Construction Cost: $_____

   Construction Time: _____ Calendar Days

   Owner's Representative: _____

   Owner's Telephone No.: _____

   Date of Substantial Completion: _____

   Brief Description of Project: _____
   _____
   _____
   _____
   _____

4. Project Name: _____

   Owner: _____

   Electrical Construction Cost: $_____

   Construction Time: _____ Calendar Days

   Owner's Representative: _____

   Owner's Telephone No.: _____

   Date of Substantial Completion: _____

   Brief Description of Project: _____
   _____
   _____
   _____
   _____

5. Project Name: _____

   Owner: _____

   Electrical Construction Cost: $_____

Name of Bidder: _____

Construction Time:_____ Calendar Days

Owner's Representative:_____

Owner's Telephone No.:_____

Date of Substantial Completion:_____

Brief Description of Project: _____
_____
_____
_____
_____

6. Project Name:_____

Owner:_____

Electrical Construction Cost: $_____

Construction Time:_____ Calendar Days

Owner's Representative:_____

Owner's Telephone No.:_____

Date of Substantial Completion:_____

Brief Description of Project: _____
_____
_____
_____
_____

The contact names and telephone numbers for the reference projects should be verified by the Bidder to be current. If the City of Paso Robles is unable to make contact with the named reference project representative due to outdated or incorrect telephone numbers, that reference project may be considered invalid.

C. SAFETY QUALIFICATION CRITERIA

The following information will be used to determine if the Electrical Subcontractor meets the minimum safety requirements for this project. To qualify to bid and be awarded the project, the electrical subcontractor shall have a safety record that meets or exceeds one of the three following safety criteria:

1. If the Contractor's three-year average Workers' Compensation Experience Modification (EMR) is equal to or less than 100%, the contractor meets the minimum safety requirements for this project;
2. If the Contractor's three-year average EMR is greater than 100%, the Contractor's three-year average Recordable Incident Rate (RIR) must not

be greater than 2.8 and three-year average Lost Time Incident Rate (LTIR) must not be greater than 1.1 to meet the minimum safety requirements for this project;

3. If the Contractor only meets either the three-year average RIR or LTIR value, the Contractor shall be required to hire at no additional cost to the Owner a mutually acceptable safety consultant who will prepare a project specific safety plan, conduct random weekly inspections of the Contractor's activities to ensure conformance with the safety plan and prepare and submit a weekly report to the Owner summarizing the results of each inspection. The contractor's shall adhere to the safety plan. The contractor's activities shall be adjusted immediately to address any issues resulting from the weekly safety inspection.

Subcontractors that cannot meet any of the three safety criteria above are not eligible for this Project and if they are named in Section 00430, **LIST OF SUBCONTRACTORS**, the General Contractor's bid will be deemed non-responsive and will be rejected.

The electrical subcontractor shall list its Experience Modification Rate, Lost time Incident Rate, and Recordable Incident Rate for the last three complete years (available from your insurance carrier).

Year	EMR
Average	

Year	RIR	LTIR
Average		

To verify the above information, the Owner will contact the electrical subcontractor's Workers' Compensation Insurance carrier. The electrical subcontractor shall authorize its carrier to release this information to the Owner. Failure to release this information will result in the bid being deemed non-responsive and/or result in a determination that the electrical subcontractor is not eligible/responsible for purposes of the Project.

Worker's Compensation Insurance Company:_____
Contact Person for Insurance Company:_____
Telephone Number:_____

D. BONDING PROFILE

The electrical subcontractor shall verify its financial capacity with one of the following criteria:

Name of Bidder: _____

Criteria 1: At the time of submission of the bid the electrical subcontractor shall have an unencumbered bonding capacity equal to at least 100 percent of the electrical subcontract cost for this project.

Current Total Bonding Capacity: _____
Current Unencumbered Bonding Capacity: _____
Electrical Subcontract Value: _____

To verify the above information, the Owner will contact the electrical subcontractor's surety. The electrical subcontractor shall authorize its surety to release this information. Failure to release this information will result in the determination that the electrical subcontractor is not a responsible contractor.

Surety: _____
Contact Person for Insurance Company: _____
Telephone Number: _____
Signed this _____ day of _____, 20 ____.

Criteria 2: The Bidder (General Contractor) by its signature below certifies that the electrical subcontractor has completed a minimum of four projects as an electrical subcontractor to the Bidder, there were no problems with the financial capacity of the electrical subcontractor on these projects, the Bidder is knowledgeable of and satisfied with the electrical subcontractor's financial status, and the Bidder will not require a bond from the electrical subcontractor for this Project.

_____
Name of Bidder

_____ _____
Signature of Bidder Date

_____
Title of Signatory

E. CERTIFICATION

The undersigned hereby states that all representations provided herein are correct and true.

Signed this _____ day of _____, 20__

_____
Name of Electrical Subcontractor/Bidder

_____
Contractor's License No.

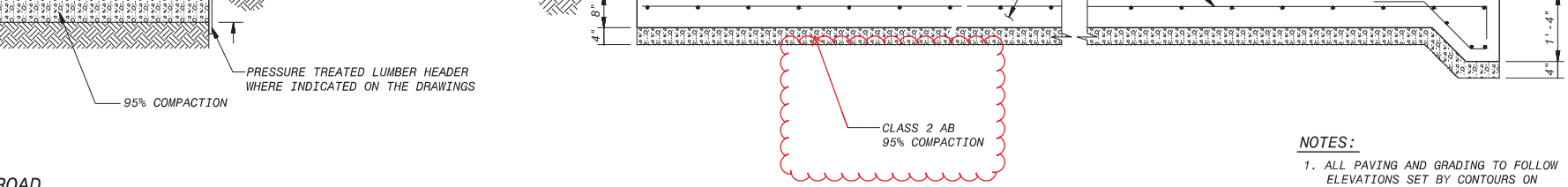
_____
Expiration Date

Name of Bidder: _____

_____
Signature of Electrical Subcontractor/Bidder

_____
Title of Signatory

*****END OF SECTION*****



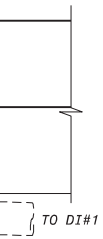
ROAD
S SECTION A -

CONCRETE PAVEMENT
TYPICAL CROSS SECTION B -
NO SCALE

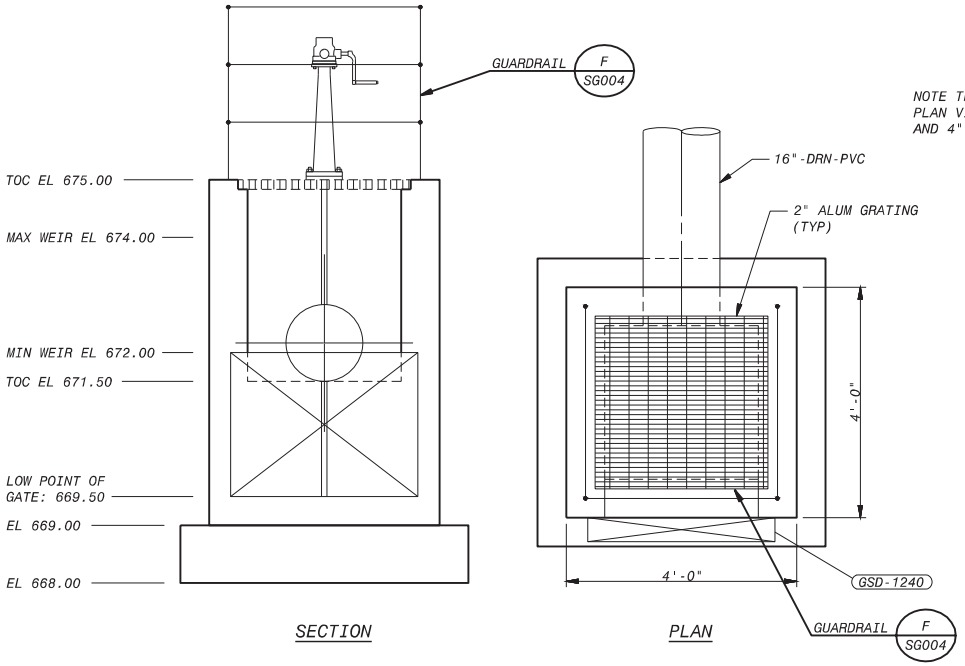
NOTES:
1. ALL PAVING AND GRADING TO FOLLOW ELEVATIONS SET BY CONTOURS ON PLAN UNLESS OTHERWISE NOTED.
2. MINIMUM CLEAR COVER OF 3" SHALL BE USED FOR ALL REINFORCING.

RETAINING WALL SEE STRUCTURAL DRAWINGS FOR DETAILS

EL VARIES



NOTE:
1. "h" VARIES ALONG V-DITCH

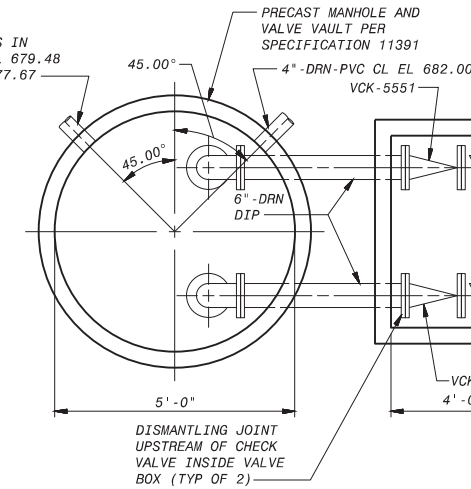


POND NO. 2 LEVEL CONTROL BOX D -
NO SCALE

NOTES:
1. LEVEL CONTROL BOX SHALL BE A PRECAST CONCRETE STRUCTURE IN ACCORDANCE WITH SPECIFICATION 03480.
2. CONTRACTOR SHALL COORDINATE GATE GSD-1240 INSTALLATION WITH LEVEL CONTROL BOX SUPPLIER.

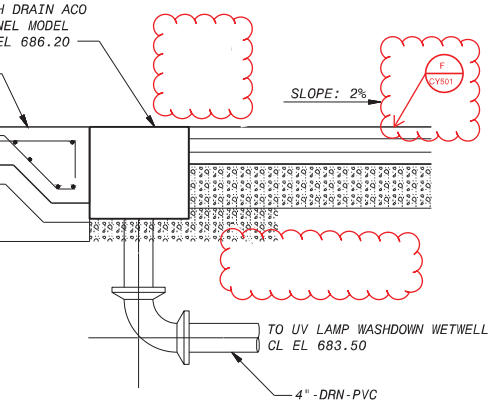
NOTE THERE ARE TWO PIPES IN PLAN VIEW; 4"-SAN, CL EL 679.48 AND 4"-DRN-DIP, CL EL 677.67

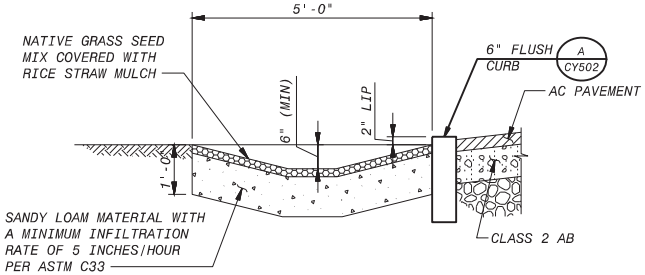
PUMP CONTROL PANEL OUTSIDE OF ROADWAY



G - SUMP AND VALVE BOX PLAN VI
NO SCALE

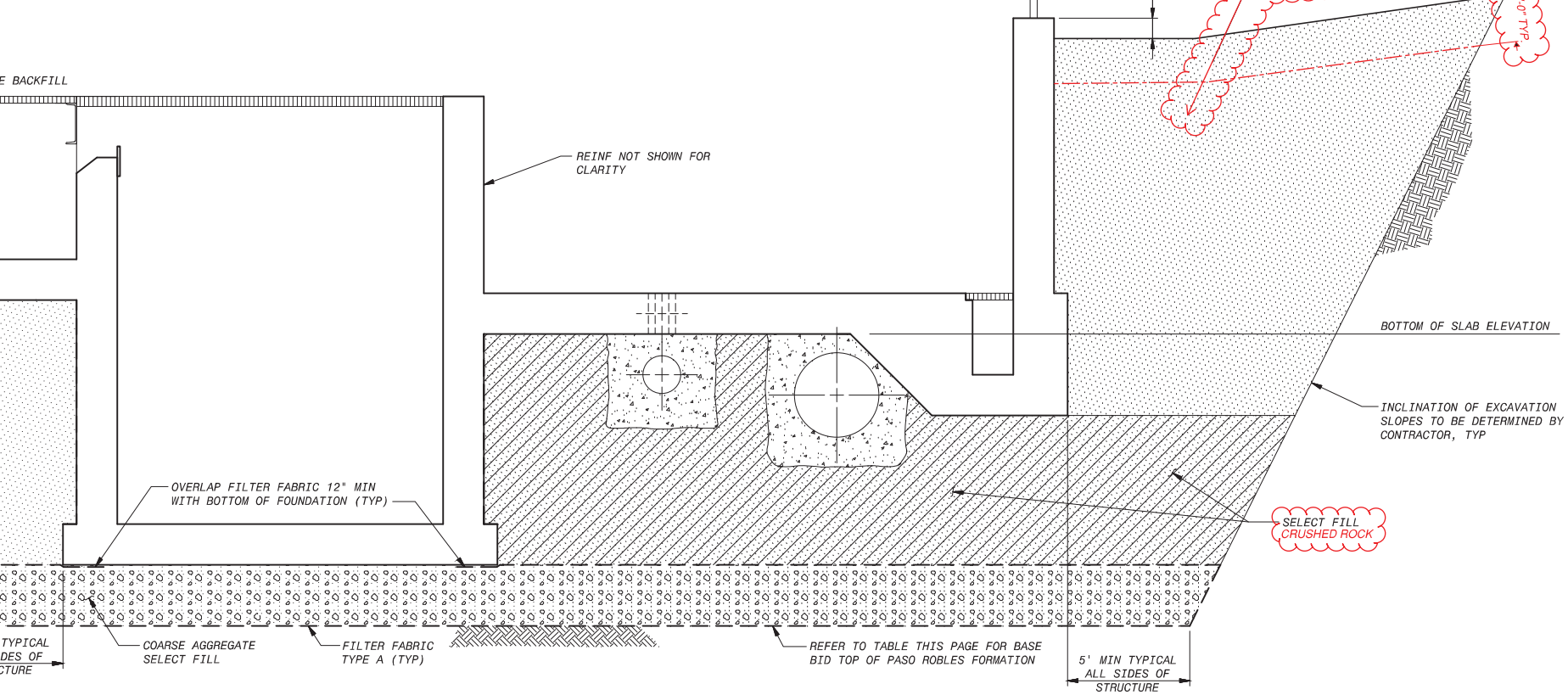
ONCRETE V-DITCH C CY103





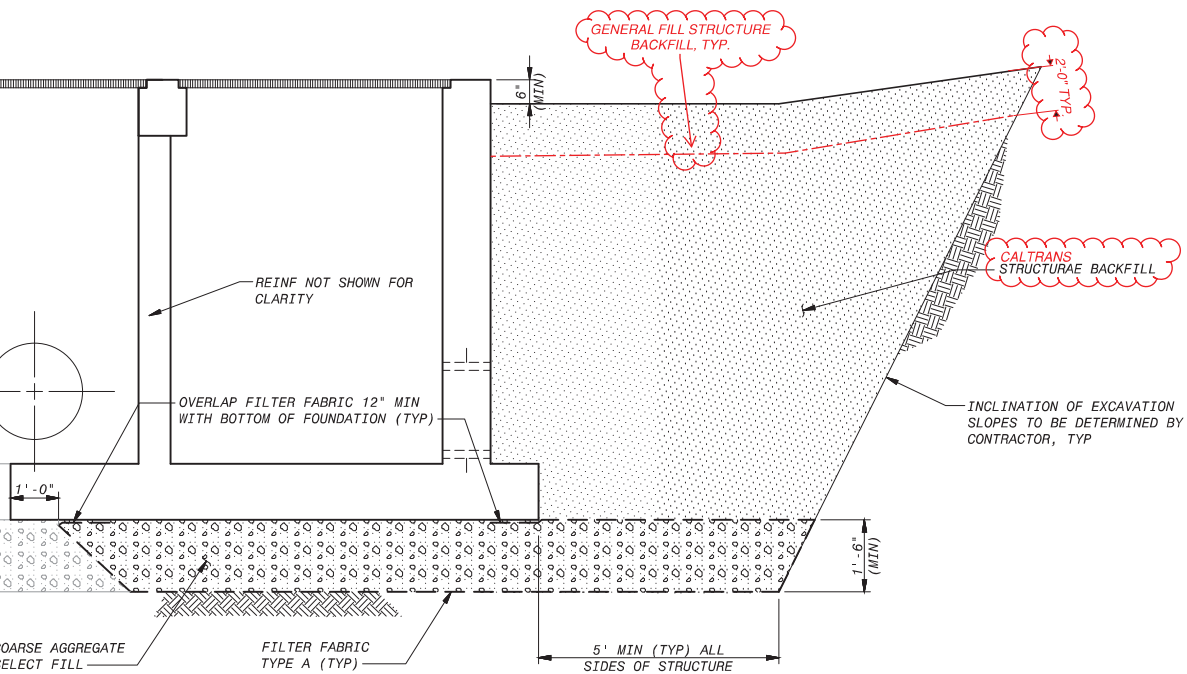
UV BUILDING
FLOW DIVERSION BOX
UV EFFLUENT SPLITTER

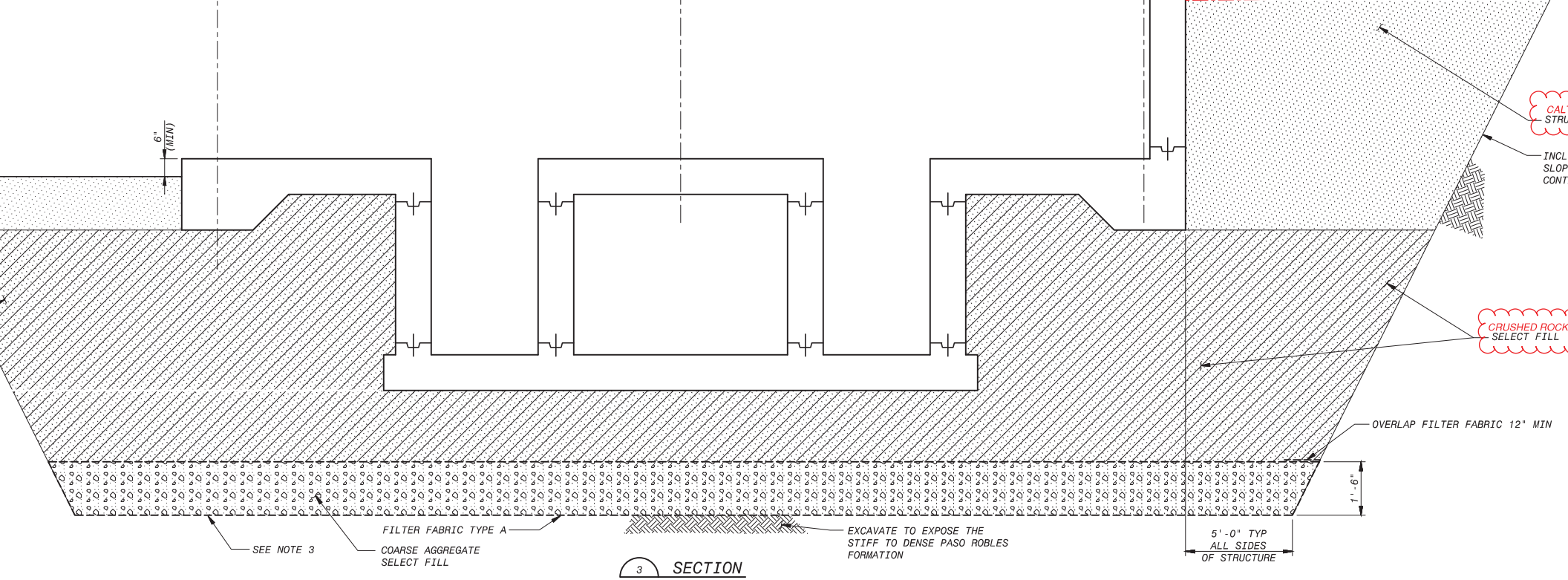
NOTE:
1. OWNER'S INDEPENDENT
TESTING OF EXPOSED
SUITABILITY OF SUBGR
SECTION 02200.



2 SECTION
SF101 1/2" = 1'-0"

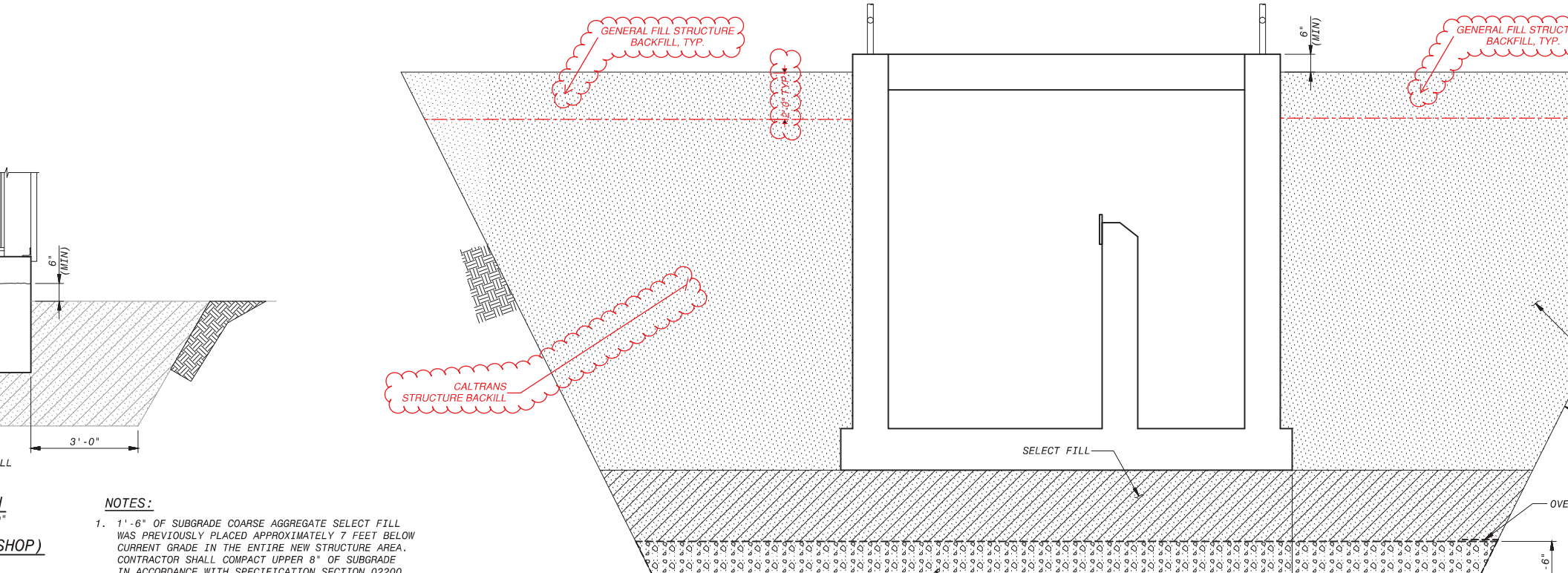
(CLOTH MEDIA FILTRATION STRUCTURE)





3 SECTION
SU101 1/2" = 1'-0"

(UV BUILDING)



NOTES:

1. 1'-6" OF SUBGRADE COARSE AGGREGATE SELECT FILL WAS PREVIOUSLY PLACED APPROXIMATELY 7 FEET BELOW CURRENT GRADE IN THE ENTIRE NEW STRUCTURE AREA. CONTRACTOR SHALL COMPACT UPPER 8" OF SUBGRADE IN ACCORDANCE WITH SPECIFICATION SECTION 02200