



INVITATION TO BID # 25-009

Master Pump Station 130 Refurbishment Plans

**Located at 26301 Sienna Dr
City of Bonita Springs, Lee County**

Released: May 1, 2025

Mandatory Pre-bid Meeting May 6, 1:30 p.m.

Administrative Conf. Room
11900 E Terry Street
Bonita Springs, FL 34135

**Bids Due
May 30, 2025 at 2 PM EST**

Overnight or Hand Delivery To
Bonita Springs Utilities, Inc.
11900 E Terry Street
Bonita Springs, FL 34135
Sharon McQuillan, Purchasing Agent
Purchasing@bsu.us

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INVITATION TO BID

Sealed Proposals will be received at the office of Bonita Springs Utilities, Inc. (BSU), Bonita Springs, Florida until **2:00 pm May 29, 2025**, for the **MASTER PUMP STATION (MPS) 130 REFURBISHMENT**

A mandatory pre-bid conference will be held on May 6, 2025 1:30 pm at Bonita Springs Utilities, Inc.

RFI's cutoff date: May 16, 2025 1 pm

RFI Response Date: May 21, 2025 1pm

For Scope of Work refer to: PROJECT REQUIREMENTS AND SUMMARY OF WORK

All work shall be in accordance with BSU Standard Specifications, latest edition.

No bid received after the time and date stated will be considered.

General conditions shall be in accordance with Bonita Springs Utilities, Inc. Standard General Conditions of the Construction Contract which is based on Engineer's Joint Documents committee of NSPE, ASCE, ACEC, and CSI; a copy of which is included.

The successful Bidder shall furnish a Performance and Guarantee Labor, Subcontractor and Material Payment Bond in the amount of one hundred percent (100%) of the Base Bid at time of execution of the Contract. Contractor shall furnish Certificate of Insurance in the aggregate amounts listed in the Supplementary Conditions and Special Provisions. BSU shall be named as additional insured.

The Performance Bond and Payment Bond shall be obtained from an agency or a Surety or Insurance Company, which shall have an establishment or place of business in the State of Florida, shall be duly licensed to conduct business therein, and shall be acceptable to the OWNER. A five percent (5%) Bid Bond is required.

All work shall be completed in accordance with the contract documents including the provided Plans and Specifications. Digital copies of the BSU Standard Professional Services Contract, General Conditions, Standard Agreement, and Supplemental Technical Specifications are included.

The successful Bidder shall abide by all terms and conditions of the existing permits including: FDEP wastewater collection system construction permit and City of Bonita Springs development order. Digital copies of the permits are available upon request. Contractor shall obtain all other necessary permits required for construction including ROW permits, etc. Please contact Alex Dunko at Grady Minor Email: adunko@gradymenor.com for digital copies of the above documentation and permits.

Proposals shall be submitted in duplicate on Proposal Forms furnished, with the exception of the Schedule of Values. An Excel spreadsheet has been provided to enter values. If an estimated quantity appears to be in error, please notify BSU about discrepancy prior to bid due date. Only enter specific unit costs for each project area on each of the tabs. Do not enter values on the Totals tab or in the Total column; formulas have been input to auto-calculate these values based upon the input unit costs. Submit the completed Schedule of Values on CD or thumb drive with the proposal. Proposals will be submitted in sealed envelopes addressed to:

BONITA SPRINGS UTILITIES, INC.
11900 E Terry St.
Attn Purchasing Agent - **MPS 130**
Bonita Springs, Florida 34135

The OWNER reserves the right to reject any and all Bids, to waive informalities, and to award the contract in the best interest of the OWNER.

PROJECT REQUIREMENTS AND SUMMARY OF WORK

PART 1 – GENERAL

1.1 SUMMARY

- A. Master Pump Station 130 shall be rehabilitated in accordance with the Contract Documents. The Contractor shall furnish all shop drawings, working drawings, labor, materials, equipment, tools, services and incidentals necessary to complete all work required by these Specifications and as shown on the Contract Drawings. A general description of the project is listed below. The Contractor shall complete the following work for the refurbishment of MPS 130 including, but not limited to:
 - 1. Lift station rehabilitation for MPS 130 to complete the work in accordance with the Contract Documents.
 - 2. All demolition, site improvements, restoration, electrical, instrumentation, and coordination with other utilities to complete the work in accordance with the Contract Documents.
 - 3. All maintenance of sewer system operations and maintenance of traffic required to complete the work in accordance with the Contract Documents.
- B. The Contractor shall perform the work complete, in place and ready for continuous service and shall include any repairs, replacements, and/or restoration required as a result of damages caused prior to acceptance by BSU and Engineer.

1.2 COMPLETION DAYS

- A. The Contract time of 330 calendar days between the Notice to Proceed and Substantial Completion with an additional 30 calendar days for Final Completion for all work, restoration and demobilization in accordance with the Contract Documents.

1.3 STANDARD SPECIFICATIONS

- A. The Project shall be constructed in accordance with the Project Specifications and Plans and Bonita Springs Utilities, Inc. standards.

1.4 COORDINATION OF PLANS, SPECIFICATIONS, SPECIAL PROVISIONS, AND GENERAL PROVISIONS

- A. The Specifications, the Special Provisions, the Plans, General Provisions, and all supplementary documents are essential parts of the Contract, and a requirement occurring in one is as binding as though occurring in all. They are intended to be complimentary and to describe and provide for a complete work. In case of discrepancy, calculated dimensions will govern over scaled dimensions; plans will govern over standard Specifications; Special Provisions will govern over General Provisions, standard Specifications, and Plans.
- B. The Contractor shall take no advantage of any apparent error or omission in the plans or specifications. If the Contractor discovers such an error or omission, he shall immediately notify BSU. BSU will then make such corrections and interpretations as may be deemed necessary for fulfilling the intent of the plans and specifications.

1.5 DRAWINGS AND PROJECT MANUAL

- A. Drawings: When obtaining data and information from the Drawings, figures shall be used in preference to scaled dimensions, and large-scale drawings in preference to small scale drawings.
- B. Contractor to Check Drawings and Data:
 - 1. The Contractor shall verify all dimensions, quantities, and details shown on the Drawings, Supplementary Drawings, schedules, Specifications, or other data received from the Engineer, and shall notify him of all errors, omissions, conflicts, and discrepancies found therein. Failure to discover or correct errors, conflicts or discrepancies shall not relieve the Contractor of full responsibility for unsatisfactory work, faulty construction or improper operation resulting therefrom nor from rectifying such conditions at his own expense. He will not be allowed to take advantage of any errors or omissions, as full instructions will be furnished by the Engineer, should such errors or omissions be discovered.
 - 2. All schedules are given for the convenience of the Engineer and the Contractor and are not guaranteed to be complete. The Contractor shall assume all responsibility for the making of estimates of the size, kind, and quality of materials and equipment included in work to be done under the Contract.
- C. Intent:
 - 1. All work called for in the Specifications applicable to this Contract, but not shown on the Drawings in their present form, or vice versa, shall be of like effect as if shown or mentioned in both. Work not specified in either the Drawings or in the Specifications but involved in carrying out their intent or

in the complete and proper execution of the work, is required and shall be performed by the Contractor as though it were specifically delineated or described.

2. The apparent silence of the Specifications as to any detail, or the apparent omission from them of a detailed description concerning any work to be done and materials to be furnished, shall be regarded as meaning that only the best general practice is to prevail and that only material and workmanship of the best quality is to be used, the interpretation of these Specifications shall be made upon that basis.
3. The Contractor shall demonstrate that the majority of materials have been procured and delivered before commencing work at the Tatum Ridge Golf Course site in an effort to minimize the duration of disturbance.

1.6 PROTECTION OF WORK AND PUBLIC

A. Barriers and Lights:

1. During the execution of the work, the Contractor shall put up and maintain at all times such barriers and lights as will effectually prevent accidents.
2. The Contractor shall provide suitable barricades, red lights, "danger" or "caution" or "street closed" signs and watchmen at all places where the work causes obstructions to the normal traffic or constitutes in any way a hazard to the public.

B. Noise:

1. The Contractor shall eliminate noise to as great an extent as practicable at all times. Air compressors shall be equipped with silencers and the exhaust of all gasoline motors or other power equipment shall be provided with mufflers.
2. Special care shall be used to avoid noise or other nuisances. The Contractor shall strictly observe all local regulations and ordinances covering noise control.

C. Access to Public Services: Neither the materials excavated nor the materials or plant used in the construction of the work shall be so placed as to prevent free access to all fire hydrants, valves, manholes, etc.

D. Dust Prevention: The Contractor shall prevent dust nuisance from his operations or from traffic by keeping the roads clean and/or construction areas sprinkled with water at all times.

1.7 CUTTING AND PATCHING:

- A. The Contractor shall do all cutting, fitting or patching in a manner satisfactory to BSU and Engineer and in accordance with the Drawings and Specifications.
- B. The work must be done by competent workmen skilled in the trade required by the restoration.

1.8 CLEANING

- A. During Construction:
 - 1. During construction of the work, the Contractor shall, at all times, keep the site of the work and adjacent premises as free from material, debris and rubbish as is practicable and shall remove the same from any portion of the site if, in the opinion of BSU, such material, debris, or rubbish constitutes a nuisance or is objectionable.
 - 2. The Contractor shall remove from the site all of his surplus materials and temporary structures when no further need therefore develops. Contractor shall be responsible and liable for all spillage and incur all associated costs including, but no limited to, costs related to repair and maintenance resulting from damages thereof.
- B. Final Cleaning:
 - 1. At the conclusion of the work, all erection plant, tools, temporary structures and materials belonging to the Contractor shall be promptly taken away, and he shall remove and promptly dispose of all water, dirt, rubbish or any other foreign substances.
 - 2. The Contractor shall thoroughly clean all equipment and materials installed by him and shall deliver such materials and equipment undamaged in a bright, clean, polished and new operation condition.

1.9 REGULATORY COMPLIANCE

- A. Contractor shall comply with all federal, state and local laws and regulations.

1.10 MISCELLANEOUS

- A. Protection Against Siltation and Bank Erosion:
 - 1. The Contractor shall arrange his operations and construct erosion control devices to minimize siltation and bank erosion on construction sites and on existing or proposed water courses and drainage channels.

2. The Contractor, at his own expense, shall remove any siltation deposits and correct any erosion problems as directed by BSU and Engineer which results from his construction operations.
- B. Protection of Wetland Areas:
1. The Contractor shall properly dispose of all surplus material, including soil, in accordance with local, state and federal regulations.
 2. Under no circumstances shall surplus material be disposed of in wetland areas as defined by the Florida Department of Environmental Regulation or the South Florida Water Management District.
- C. Existing Facilities: The work shall be so conducted to maintain existing facilities in operation insofar as is possible.
- D. Use of Chemicals: All chemicals used during project construction or furnished for project operation, whether herbicide, pesticide, disinfectant, polymer, reactant, or of other classification, must show approval of either EPA or USDA. Use of all such chemicals and disposal of residues shall be in strict conformance with instructions.
- E. Cooperation with Other Contractors and Forces:
1. During progress of work under this Contract, it may be necessary for other Contractors and persons employed by BSU to work in or about the project.
 2. BSU reserves the right to put such other Contractors to work and to afford such access to the Site of the Work to be performed hereunder at such times as BSU deems proper.
 3. The Contractor shall not impede or interfere with the work of such other Contractors engaged in or about the work and shall so arrange and conduct his work that such other Contractors may complete their work at the earliest date possible.
- F. Construction shall be conducted and shall result in construction of the improvements of this project in full accordance with the conditions of the Permits granted for the Project.

1.14 STAGING AREA

- A. Contractor shall submit proposed staging areas for review. Staging areas shall be located right-of-ways and approved community common areas. Access to residential properties shall be maintained at all times. Access to lift station facilities shall be maintained for BSU personnel.

- B. The Contractor shall submit shop drawings for proposed staging areas in accordance with the Contract Documents. Requirements shall also be imposed upon the Contractor for the use of the property which shall not be limited to and which may or may not include the following:
 - 1. Use of the space shall be limited to maintenance of construction equipment and staging of manufactured construction components.
 - 2. During the use of the staging area BSU or community association shall not be liable for any loss, injury, death, damage etc., to person or property within the limits of the staging area.
 - 3. Contractor shall remove all items brought into the property and may be required to fully seed or sod the limits of the property in order to restore the property to its original condition.
 - 4. The Contractor shall be required to mow and maintain the property to keep it free from debris.

1.15 CARE AND PROTECTION OF PROPERTY AND COORDINATION WITH OWNERS

- A. The Contractor shall be responsible for the preservation of all public and private property, and shall use every precaution necessary to prevent damage thereto. If any direct or indirect damage is done to public or private property by or on account of any act, omission, neglect, or misconduct in the execution of the work on the part of the Contractor, such property shall be restored by the Contractor, at his expense, to a condition similar or equal to that existing before the damage was done, or he shall make good the damage in other manner acceptable to the Owner, Engineer, and BSU.
- B. The Contractor shall coordinate with and notify private property owners of the following when work is to be performed on their land, even if the work is within a public utility easement. The Contractor shall submit a notification letter to the private land owner indicating expected construction start and completion dates for the site, a description of machinery expected to be on the site, and expected materials to be stored on the site. BSU and Engineer shall receive copies of all correspondence with the private land owners.

PART 2 – PRODUCTS (NOT USED)

PART 3 – EXECUTION

3.1 GENERAL

- A. The Contractor shall be responsible for reviewing the site conditions, reviewing the Bid Documents, verifying the Summary of Quantities and Bid Schedule, and the inclusion of all items and costs necessary to complete the work and submit a balanced and responsive bid. In reviewing the documents, the Contractor shall notify the Engineer of any questionable items prior to the submission of bids.
- B. Any damage to existing buildings, structures and facilities during construction shall be properly repaired by the Contractor at the Contractor's sole expense.

- C. Restore all areas disturbed by construction to a condition at least equal to the preconstruction condition including, but not limited to, all landscaping, driveways, roads, fences, sprinkler systems, traffic control devices, and other improvements. Maintain ingress and egress to all properties adjacent to the construction and minimize inconvenience to abutting property occupants.

END OF SECTION

AGREEMENT

THIS AGREEMENT is dated as of the ____ day of _____ in the year 2025, by and between

Owner: **Bonita Springs Utilities, Inc.**

Contractor:

OWNER and CONTRACTOR, in consideration of the mutual covenants hereinafter set forth, agree as follows:

ARTICLE 1. **WORK.**

A. Master Pump Station 130 shall be rehabilitated in accordance with the Contract Documents. The Contractor shall furnish all shop drawings, working drawings, labor, materials, equipment, tools, services and incidentals necessary to complete all work required by these Specifications and as shown on the Contract Drawings. A general description of the project is listed below. The Contractor shall complete the following work for the refurbishment of MPS 130 including, but not limited to:

1. Lift station rehabilitation for MPS 130 to complete the work in accordance with the Contract Documents.
2. All demolition, site improvements, restoration, electrical, instrumentation, and coordination with other utilities to complete the work in accordance with the Contract Documents.
3. All maintenance of sewer system operations and maintenance of traffic required to complete the work in accordance with the Contract Documents.

B. The Contractor shall perform the work complete, in place and ready for continuous service and shall include any repairs, replacements, and/or restoration required as a result of damages caused prior to acceptance by BSU and Engineer.

ARTICLE 2. **ENGINEER**

The Project has been designed by **Grady Minor** who is hereinafter called ENGINEER and who will assume all duties and responsibilities and will have the rights and authority assigned to ENGINEER in the Contract documents in connection with completion of the Work in accordance with the Contract Documents.

ARTICLE 3. **CONTRACT TIME**

- 3.1 With respect to Article 3 of the Agreement, entitled "Contract Time," the work shall be substantially completed by CONTRACTOR within **330** calendar days after the date the Contract Time commences to run as provided in paragraph 2.03 of the General Conditions. Time is of the essence to this Agreement, and CONTRACTOR shall continuously and expeditiously work from the date of commencement through substantial completion.
- 3.2 The work shall be fully performed and completed within **330** calendar days after the date the Contract Time Commences to run as provided in paragraph 2.03 of the General Conditions. CONTRACTOR and OWNER recognize and agree that OWNER will suffer serious financial loss if the work is not completed on or before the date for completion as specified herein. CONTRACTOR and OWNER also recognize the delays, expenses, and difficulties involved in ascertaining the actual loss that will be incurred by OWNER in the event the work is not completed in a timely fashion. Accordingly, instead of requiring proof of actual damages relating to CONTRACTOR'S failure to complete the Work on time, OWNER and CONTRACTOR agree that OWNER shall be entitled to the sum of \$250.00 (two hundred fifty dollars) per day to be paid by CONTRACTOR as liquidated damages, and not as a penalty, for each day beyond the date required for final completion during which the work is not fully completed. OWNER may withhold any such damages from payments otherwise owed to CONTRACTOR under the Contract Documents.

ARTICLE 4. CONTRACT PRICE

OWNER shall pay CONTRACTOR on a unit price basis for all items listed in the Schedule of Values attached to this Agreement, which items shall be installed and measured in accordance with the Contract Documents. OWNER'S payment for each item shall be the unit price shown in the Schedule of Values for each item multiplied by the measured quantity of each item actually installed by CONTRACTOR. The price of the Contract, based on the estimated quantities and unit prices shown in the Schedule of Values, is estimated to be \$ **ADD ESTIMATED COST**. The aforementioned amount is based on estimated quantities to be installed under this Agreement for the unit price items set forth in CONTRACTOR'S bid. Said amount is an approximation only, except as to LS (lump sum) amounts which shall remain fixed, and is being referenced herein for the sole purpose of establishing the face amount of bonds to be provided by the CONTRACTOR.

ARTICLE 5. CONTRACTOR'S REPRESENTATIONS

In order to induce OWNER to enter into this Agreement, CONTRACTOR makes the following representations:

- 5.1 CONTRACTOR has familiarized himself with the nature and extent of the Contract Documents, Work, locality, and with all local conditions and federal, state and local laws, ordinances, rules and regulations that in any manner may affect cost, progress or performance of the Work.
- 5.2 CONTRACTOR has studied carefully all reports of investigations and tests of subsurface and latent physical conditions at the site or otherwise affecting cost, progress or performance of the Work which were relied upon by ENGINEER in the preparation of the Drawings and Specifications and which have been identified in the Supplementary Conditions.
- 5.3 CONTRACTOR has made or caused to be made examinations, investigations and tests and studies of such reports and related data in addition to those referred to in paragraph 5.2 as it deems necessary for the performance of the work at the Contract Price, within the Contract time and in accordance with the other terms and conditions of the Contract Documents; and no additional examinations, investigations, tests, reports or similar data are or will be required by CONTRACTOR for such purposes.
- 5.4 CONTRACTOR has correlated the results of all such observations, examinations, investigations, tests, reports and data with the terms and conditions of the Contract Documents.
- 5.5 CONTRACTOR has given the ENGINEER written notice of all conflicts, errors or discrepancies that it has discovered in the Contract Documents and that the written resolution thereof by the ENGINEER is acceptable to CONTRACTOR.

ARTICLE 6. CONTRACT DOCUMENTS

The Contract Documents which comprise the entire Agreement between OWNER and CONTRACTOR, which documents are incorporated herein by this reference and are made a part hereof, consist of the following:

- 6.1 Invitation to Bid (Tab1)
- 6.2 Project Requirements and Summary of Work (Tab 2)
- 6.3 Standard Agreement (Tab 3)
- 6.4 Notice of Award and Notice to Proceed (Tab 4)
- 6.5 Standard General Conditions of the Construction Contract (Tab 5)
- 6.6 BSU Bid Form (Tab 6)
- 6.7 Drawings by Grady Minor (Tab 10)

- 6.7 Any Modifications, including Change Orders, agreed upon and duly delivered after execution of the Agreement.
- 6.8 BSU Technical Specification Manual, latest revision (BSU Standard Specifications) (Tab 8)
- 6.9 Standard Details (Tab 9)
- 6.10 Measurement and Payment (Tab 7)
- 6.11 Addendum Notifications

There are no Contract Documents other than those listed above in this Article 6.

ARTICLE 7. MISCELLANEOUS

- 7.1 Terms used in this Agreement, which are defined in Article 1 of the General Conditions, shall have the meanings indicated in the General Conditions.
- 7.2 No assignment by a party hereto of any rights under or interests in the Contract Documents will be binding on another party hereto without the written consent of the party sought to be bound; and specifically, but without limitation, monies that may become due and monies that are due, may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment. No assignment will release or discharge the assignor from any duty or responsibility under the Contract documents.
- 7.3 OWNER and CONTRACTOR each binds itself, its partners, successors, assigns, and legal representatives in respect to all covenants, agreements, and obligations contained in the Contract Documents.
- 7.4 CONTRACTOR, and any person or entity acting by or through CONTRACTOR, including but not limited to subcontractors and material suppliers, shall not discriminate against any person on the basis of race, religion, age, sex, disability, origin, or veteran status. CONTRACTOR shall comply with all federal, state, and local laws and regulations regarding employment practices in order to insure that discrimination is not engaged in by CONTRACTOR, or any person or entity acting by or through CONTRACTOR, in performing work under this Agreement.
- 7.5 CONTRACTOR shall comply with the bond requirements of BSU Revenue Bonds and bond related loan agreements requiring that requisitions for payment be made and submitted in the forms provided and/or required by any lender or bond trustee.
- 7.6 CONTRACTOR shall give written notice to individual property owners advising that utility construction will be performed upon their property. The individual notices should be given a minimum of seven (7) days prior to CONTRACTOR commencing to perform any work on or about any property owner's land.
- 7.7 In the event any legal action is filed by any party to this Agreement, and arises from or relates to this Agreement or the performance of any work hereunder, then venue for such action shall be in Lee County, Florida, and the prevailing party in any such action shall be entitled to recover from the non-prevailing party its costs, including reasonable attorneys' fees, incurred in the action.

ARTICLE 8. OTHER PROVISIONS

IN WITNESS WHEREOF, the parties hereto have signed this Agreement in triplicate. One counterpart each has been delivered to OWNER and CONTRACTOR.

This Agreement will be effective on _____, 2025.

OWNER:
Bonita Springs Utilities, Inc.

CONTRACTOR:

By _____

By _____

(Corporate Seal)

(Corporate Seal)

Attest _____

Attest _____

Address for giving notices:

BONITA SPRINGS UTILITIES

11860 East Terry Street

Bonita Springs, FL 34135

Address for giving notices:

ADD CONTRACTOR'S ADDRESS

License No. _____

NOTICE OF AWARD

TO: **ADD CONTRACTOR NAME**

DATE: **ADD DATE**

ADDRESS: **ADD CONTRACTOR ADDRESS**

PROJECT: **Master Pump Station 130 Refurbishment Project**

CONTRACT FOR: .

You are notified that your Bid dated _____ for the above Contract has been considered. You are the apparent successful bidder and have been awarded a contract for the estimated amount of **\$ADD CONTRACT ESTIMATED COST**. Final cost will be determined in accordance with the Contract Documents.

You must comply with the following conditions precedent within ten days of the date of this Notice of Award that is by _____.

A. Master Pump Station 130 shall be rehabilitated in accordance with the Contract Documents. The Contractor shall furnish all shop drawings, working drawings, labor, materials, equipment, tools, services and incidentals necessary to complete all work required by these Specifications and as shown on the Contract Drawings. A general description of the project is listed below. The Contractor shall complete the following work for the refurbishment of MPS 130 including, but not limited to:

1. Lift station rehabilitation for MPS 130 to complete the work in accordance with the Contract Documents.
2. All demolition, site improvements, restoration, electrical, instrumentation, and coordination with other utilities to complete the work in accordance with the Contract Documents.
3. All maintenance of sewer system operations and maintenance of traffic required to complete the work in accordance with the Contract Documents.

B. The Contractor shall perform the work complete, in place and ready for continuous service and shall include any repairs, replacements, and/or restoration required as a result of damages caused prior to acceptance by BSU and Engineer.

1. You must deliver to the OWNER, three (3) fully executed counterparts of the Agreement, including all the Contract Documents. Each of the contract documents must bear your signature on the appropriate page.
2. You must deliver with the executed Agreement a certificate of insurance per the requirements of the Contract Documents, with Bonita Springs Utilities listed as additionally insured, and the Payment and Performance Bond as outlined in the Contract Documents.

Failure to comply with these conditions within the time specified will entitle OWNER to consider your bid abandoned.

By: _____
Kim Hoskins, P.E.
Bonita Springs Utilities, Inc.
Director of Engineering

NOTICE TO PROCEED

TO: ***ADD CONTRACTOR NAME***

DATE: ***ADD DATE***

ADDRESS: ***ADD CONTRACTOR ADDRESS***

PROJECT: ***Master Pump Station 130 Refurbishment Project***

CONTRACT FOR:

- A. Master Pump Station 130 shall be rehabilitated in accordance with the Contract Documents. The Contractor shall furnish all shop drawings, working drawings, labor, materials, equipment, tools, services and incidentals necessary to complete all work required by these Specifications and as shown on the Contract Drawings. A general description of the project is listed below. The Contractor shall complete the following work for the refurbishment of MPS 130 including, but not limited to:
1. Lift station rehabilitation for MPS 130 to complete the work in accordance with the Contract Documents.
 2. All demolition, site improvements, restoration, electrical, instrumentation, and coordination with other utilities to complete the work in accordance with the Contract Documents.
 3. All maintenance of sewer system operations and maintenance of traffic required to complete the work in accordance with the Contract Documents.

B. The Contractor shall perform the work complete, in place and ready for continuous service and shall include any repairs, replacements, and/or restoration required as a result of damages caused prior to acceptance by BSU and Engineer.

You are notified that the Contract Time under the above contract will commence to run on ***ADD DATE***. By that date, you are to begin performing the Work and your other obligations under the Contract Documents. The dates of Substantial Completion and Final Completion are set forth in the Agreement; they are ***ADD DATE*** and ***ADD DATE***, respectively.

By: _____
Kim Hoskins, P.E.
Bonita Springs Utilities, Inc.
Director of Engineering



STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT

Based on Engineers Joint Contract Documents Committee (EJCDC) Standard General Conditions of the Construction Contract (EJCDC® C-700, 2013 Edition), Issued and Published Jointly by American Council of Engineering Companies (ACEC), American Society of Civil Engineers (ASCE), and National Society of Professional Engineers as modified by BSU.

This document has important legal consequences; consultation with an attorney is encouraged with respect to its use or modification.

STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT

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ARTICLE 1 - DEFINITIONS AND TERMINOLOGY

1.01 *Defined Terms*

- A. Wherever used in the Bidding Requirements or Contract Documents, a term printed with initial capital letters, including the term's singular and plural forms, will have the meaning indicated in the definitions below. In addition to terms specifically defined, terms with initial capital letters in the Contract Documents include references to identified articles and paragraphs, and the titles of other documents or forms.
1. *Addenda*—Written or graphic instruments issued prior to the opening of Bids which clarify, correct, or change the Bidding Requirements or the proposed Contract Documents.
 2. *Agreement*—The written instrument, executed by Owner and Contractor, that sets forth the Contract Price and Contract Times, identifies the parties and the Engineer, and designates the specific items that are Contract Documents.
 3. *Application for Payment*—The form acceptable to Engineer which is to be used by Contractor during the course of the Work in requesting progress or final payments and which is to be accompanied by such supporting documentation as is required by the Contract Documents.
 4. *Bid*—The offer of a Bidder submitted on the prescribed form setting forth the prices for the Work to be performed.
 5. *Bidder*—An individual or entity that submits a Bid to Owner.
 6. *Bidding Documents*—The Bidding Requirements, the proposed Contract Documents, and all Addenda.
 7. *Bidding Requirements*—The advertisement or invitation to bid, Instructions to Bidders, Bid Bond or other Bid security, if any, the Bid Form, and the Bid with any attachments.
 8. *Change Order*—A document which is signed by Contractor and Owner and authorizes an addition, deletion, or revision in the Work or an adjustment in the Contract Price or the Contract Times, or other revision to the Contract, issued on or after the Effective Date of the Contract.
 9. *Change Proposal*—A written request by Contractor, duly submitted in compliance with the procedural requirements set forth herein, seeking an adjustment in Contract Price or Contract Times, or both; contesting an initial decision by Engineer concerning the requirements of the Contract Documents or the acceptability of Work under the Contract Documents; challenging a set-off against payments due; or seeking other relief with respect to the terms of the Contract.
 10. *Claim*—(a) A demand or assertion by Owner directly to Contractor, duly submitted in compliance with the procedural requirements set forth herein: seeking an adjustment of Contract Price or Contract Times, or both; contesting an initial decision by Engineer concerning the requirements of the Contract Documents or the acceptability of Work under the Contract Documents; contesting Engineer's decision regarding a Change Proposal; seeking resolution of a contractual issue that Engineer has declined to address; or seeking other relief with respect to the terms of the Contract; or (b) a demand or assertion by Contractor directly to Owner, duly submitted in compliance with the procedural requirements set forth herein, contesting Engineer's decision regarding a Change Proposal; or seeking resolution of a contractual issue that Engineer has declined to address. A demand for money or services by a third party is not a Claim.
 11. *Constituent of Concern*—Asbestos, petroleum, radioactive materials, polychlorinated biphenyls (PCBs), hazardous waste, and any substance, product, waste, or other material of any nature whatsoever that is or becomes listed, regulated, or addressed pursuant to (a) the Comprehensive Environmental Response, Compensation and Liability Act, 42 U.S.C. §§9601 et seq. ("CERCLA"); (b) the Hazardous Materials Transportation Act, 49 U.S.C. §§5101 et seq.; (c) the Resource Conservation and Recovery Act, 42 U.S.C. §§6901 et seq. ("RCRA"); (d) the Toxic Substances Control Act, 15 U.S.C.

§§2601 et seq.; (e) the Clean Water Act, 33 U.S.C. §§1251 et seq.; (f) the Clean Air Act, 42 U.S.C. §§7401 et seq.; or (g) any other federal, state, or local statute, law, rule, regulation, ordinance, resolution, code, order, or decree regulating, relating to, or imposing liability or standards of conduct concerning, any hazardous, toxic, or dangerous waste, substance, or material.

12. *Contract*—The entire and integrated written contract between the Owner and Contractor concerning the Work.
13. *Contract Documents*—Those items so designated in the Agreement, and which together comprise the Contract.
14. *Contract Price*—The money that Owner has agreed to pay Contractor for completion of the Work in accordance with the Contract Documents. .
15. *Contract Times*—The number of days or the dates by which Contractor shall: (a) achieve Milestones, if any; (b) achieve Substantial Completion; and (c) complete the Work.
16. *Contractor*—The individual or entity with which Owner has contracted for performance of the Work.
17. *Cost of the Work*—See Paragraph 13.01 for definition.
18. *Drawings*—The part of the Contract that graphically shows the scope, extent, and character of the Work to be performed by Contractor.
19. *Effective Date of the Contract*—The date, indicated in the Agreement, on which the Contract becomes effective.
20. *Engineer*—The individual or entity named as such in the Agreement.
21. *Field Order*—A written order issued by Engineer which requires minor changes in the Work but does not change the Contract Price or the Contract Times.
22. *Hazardous Environmental Condition*—The presence at the Site of Constituents of Concern in such quantities or circumstances that may present a danger to persons or property exposed thereto. The presence at the Site of materials that are necessary for the execution of the Work, or that are to be incorporated in the Work, and that are controlled and contained pursuant to industry practices, Laws and Regulations, and the requirements of the Contract, does not establish a Hazardous Environmental Condition.
23. *Laws and Regulations; Laws or Regulations*—Any and all applicable laws, statutes, rules, regulations, ordinances, codes, and orders of any and all governmental bodies, agencies, authorities, and courts having jurisdiction.
24. *Liens*—Charges, security interests, or encumbrances upon Contract-related funds, real property, or personal property.
25. *Milestone*—A principal event in the performance of the Work that the Contract requires Contractor to achieve by an intermediate completion date or by a time prior to Substantial Completion of all the Work.
26. *Notice of Award*—The written notice by Owner to a Bidder of Owner's acceptance of the Bid. Conditioned upon the Owner deciding to proceed with the Work. The Notice of Award alone shall not create remedies unless and until a binding contract is signed by the parties.
27. *Notice to Proceed*—A written notice by Owner to Contractor fixing the date on which the Contract Times will commence to run and on which Contractor shall start to perform the Work.
28. *Owner*—The individual or entity with which Contractor has contracted regarding the Work, and which has agreed to pay Contractor for the performance of the Work, pursuant to the terms of the Contract.

29. *Progress Schedule*—A schedule, prepared and maintained by Contractor, describing the sequence and duration of the activities comprising the Contractor’s plan to accomplish the Work within the Contract Times.
30. *Project*—The total undertaking to be accomplished for Owner by engineers, contractors, and others, including planning, study, design, construction, testing, commissioning, and start-up, and of which the Work to be performed under the Contract Documents is a part.
31. *Project Manual*—The written documents prepared for, or made available for, procuring and constructing the Work, including but not limited to the Bidding Documents or other construction procurement documents, geotechnical and existing conditions information, the Agreement, bond forms, General Conditions, Supplementary Conditions, Exhibits, and Specifications. The contents of the Project Manual may be bound in one or more volumes.
32. *Resident Project Representative*—The authorized representative of Engineer assigned to assist Engineer at the Site. As used herein, the term Resident Project Representative or “RPR” includes any assistants or field staff of Resident Project Representative.
33. *Samples*—Physical examples of materials, equipment, or workmanship that are representative of some portion of the Work and that establish the standards by which such portion of the Work will be judged.
34. *Schedule of Submittals*—A schedule, prepared and maintained by Contractor, of required submittals and the time requirements for Engineer’s review of the submittals and the performance of related construction activities.
35. *Schedule of Values*—A schedule, prepared and maintained by Contractor, allocating portions of the Contract Price to various portions of the Work and used as the basis for reviewing Contractor’s Applications for Payment.
36. *Shop Drawings*—All drawings, diagrams, illustrations, schedules, and other data or information that are specifically prepared or assembled by or for Contractor and submitted by Contractor to illustrate some portion of the Work. Shop Drawings, whether approved or not, are not Drawings and are not Contract Documents.
37. *Site*—Lands or areas indicated in the Contract Documents as being furnished by Owner upon which the Work is to be performed, including rights-of-way and easements, and such other lands furnished by Owner which are designated for the use of Contractor.
38. *Specifications*—The part of the Contract that consists of written requirements for materials, equipment, systems, standards, and workmanship as applied to the Work, and certain administrative requirements and procedural matters applicable to the Work.
39. *Subcontractor*—An individual or entity having a direct contract with Contractor or with any other Subcontractor for the performance of a part of the Work.
40. *Substantial Completion*—The time at which the Work (or a specified part thereof) has progressed to the point where, in the opinion of Engineer, the Work (or a specified part thereof) is sufficiently complete, in accordance with the Contract Documents, so that the Work (or a specified part thereof) can be utilized for the purposes for which it is intended. The terms “substantially complete” and “substantially completed” as applied to all or part of the Work refer to Substantial Completion thereof.
41. *Successful Bidder*—The Bidder whose Bid the Owner accepts, and to which the Owner makes an award of contract, subject to stated conditions.
42. *Supplementary Conditions*—The part of the Contract that amends or supplements these General Conditions.

43. *Supplier*—A manufacturer, fabricator, supplier, distributor, materialman, or vendor having a direct contract with Contractor or with any Subcontractor to furnish materials or equipment to be incorporated in the Work by Contractor or a Subcontractor.
44. *Technical Data*—Those items expressly identified as Technical Data in the Supplementary Conditions, with respect to either (a) subsurface conditions at the Site, or physical conditions relating to existing surface or subsurface structures at the Site (except Underground Facilities) or (b) Hazardous Environmental Conditions at the Site. If no such express identifications of Technical Data have been made with respect to conditions at the Site, then the data contained in boring logs, recorded measurements of subsurface water levels, laboratory test results, and other factual, objective information regarding conditions at the Site that are set forth in any geotechnical or environmental report prepared for the Project and made available to Contractor are hereby defined as Technical Data with respect to conditions at the Site under Paragraphs 5.03, 5.04, and 5.06.
45. *Underground Facilities*—All underground pipelines, conduits, ducts, cables, wires, manholes, vaults, tanks, tunnels, or other such facilities or attachments, and any encasements containing such facilities, including but not limited to those that convey electricity, gases, steam, liquid petroleum products, telephone or other communications, fiber optic transmissions, cable television, water, wastewater, storm water, other liquids or chemicals, or traffic or other control systems.
46. *Unit Price Work*—Work to be paid for on the basis of unit prices.
47. *Work*—The entire construction or the various separately identifiable parts thereof required to be provided under the Contract Documents. Work includes and is the result of performing or providing all labor, services, and documentation necessary to produce such construction; furnishing, installing, and incorporating all materials and equipment into such construction; and may include related services such as testing, start-up, and commissioning, all as required by the Contract Documents.
48. *Work Change Directive*—A written directive to Contractor issued on or after the Effective Date of the Contract, signed by Owner and recommended by Engineer, ordering an addition, deletion, or revision in the Work.

1.02 Terminology

- A. The words and terms discussed in the following paragraphs are not defined but, when used in the Bidding Requirements or Contract Documents, have the indicated meaning.
- B. *Intent of Certain Terms or Adjectives:*
 1. The Contract Documents include the terms “as allowed,” “as approved,” “as ordered,” “as directed” or terms of like effect or import to authorize an exercise of professional judgment by Engineer. In addition, the adjectives “reasonable,” “suitable,” “acceptable,” “proper,” “satisfactory,” or adjectives of like effect or import are used to describe an action or determination of Engineer as to the Work. It is intended that such exercise of professional judgment, action, or determination will be solely to evaluate, in general, the Work for compliance with the information in the Contract Documents and with the design concept of the Project as a functioning whole as shown or indicated in the Contract Documents (unless there is a specific statement indicating otherwise). The use of any such term or adjective is not intended to and shall not be effective to assign to Engineer any duty or authority to supervise or direct the performance of the Work, or any duty or authority to undertake responsibility contrary to the provisions of Article 10 or any other provision of the Contract Documents.
- C. *Day:*
 1. The word “day” means a calendar day of twenty-four (24) hours measured from midnight to the next midnight.

D. *Defective:*

1. The word “defective,” when modifying the word “Work,” refers to Work that is unsatisfactory, faulty, or deficient in that it:
 - a. does not conform to the Contract Documents; or
 - b. does not meet the requirements of any applicable inspection, reference standard, test, or approval referred to in the Contract Documents; or
 - c. has been damaged prior to Engineer’s recommendation of final payment (unless responsibility for the protection thereof has been assumed by Owner at Substantial Completion in accordance with Paragraph 15.03 or 15.04).

E. *Furnish, Install, Perform, Provide:*

1. The word “furnish,” when used in connection with services, materials, or equipment, shall mean to supply and deliver said services, materials, or equipment to the Site (or some other specified location) ready for use or installation and in usable or operable condition.
 2. The word “install,” when used in connection with services, materials, or equipment, shall mean to put into use or place in final position said services, materials, or equipment complete and ready for intended use.
 3. The words “perform” or “provide,” when used in connection with services, materials, or equipment, shall mean to furnish and install said services, materials, or equipment complete and ready for intended use.
 4. If the Contract Documents establish an obligation of Contractor with respect to specific services, materials, or equipment, but do not expressly use any of the four words “furnish,” “install,” “perform,” or “provide,” then Contractor shall furnish and install said services, materials, or equipment complete and ready for intended use.
- F. Unless stated otherwise in the Contract Documents, words or phrases that have a well-known technical or construction industry or trade meaning are used in the Contract Documents in accordance with such recognized meaning.

ARTICLE 2 – PRELIMINARY MATTERS

2.01 *Delivery of Bonds and Evidence of Insurance*

- A. *Bonds:* When Contractor delivers the executed counterparts of the Agreement to Owner, Contractor shall also deliver to Owner such bonds as Contractor may be required to furnish.
- B. *Evidence of Contractor’s Insurance:* Before any Work at the Site is started, Contractor shall deliver to Owner certificates of insurance (and other evidence of insurance which Owner or any additional insured may reasonably request) which Contractor is required to purchase and maintain in accordance with the requirements of Article 6 and EXHIBIT A INSURANCE AND BONDING REQUIREMENTS. Contractor shall provide copies to Engineer and each additional insured identified in Article 6 or elsewhere in the Contract Documents.
- C. *Evidence of Owner’s Insurance:* After receipt of the executed counterparts of the Agreement and all required bonds and insurance documentation, Owner shall promptly deliver to Contractor, with copies to each named insured and additional insured if any, the certificates and other evidence of insurance required to be provided by Owner under Article 6 (excluding, however, optional coverage such as additional liability coverage carried for Owner’s sole benefit under Paragraph 6.04). .

2.02 *Copies of Documents*

- A. Owner shall furnish to Contractor one fully executed counterpart of the Agreement and one copy in electronic portable document format (PDF). Additional printed copies will be furnished upon request at the cost of reproduction.
- B. Owner shall maintain and safeguard at least one original printed record version of the Contract, including Drawings and Specifications signed and sealed by Engineer and other design professionals. Owner shall make such original printed record version of the Contract available to Contractor for review. Owner may delegate the responsibilities under this provision to Engineer.

2.03 *Before Starting Construction*

- A. *Preliminary Schedules:* Within ten (10) days after the Effective Date of the Contract (or as otherwise specifically required by the Contract Documents), Contractor shall submit to Engineer for timely review:
 - 1. a preliminary Progress Schedule indicating the times (numbers of days or dates) for starting and completing the various stages of the Work, including any Milestones specified in the Contract (the Progress Schedule shall be in a format satisfactory to Engineer and Owner and shall (1) contain a graphic representation of all activities and events that will occur during the performance of the Work; (2) identify each phase of construction; and (3) set forth significant Milestone dates to ensure the timely and orderly completion of the Work in accordance with the Contract Documents);
 - 2. a preliminary Schedule of Submittals; and
 - 3. a preliminary Schedule of Values for all of the Work which includes quantities and prices of items which when added together equal the Contract Price and subdivides the Work into component parts in sufficient detail to serve as the basis for progress payments during performance of the Work. Such prices will include an appropriate amount of overhead and profit applicable to each item of Work.

2.04 *Preconstruction Conference; Designation of Authorized Representatives*

- A. Before any Work at the Site is started, Contractor shall arrange for, in coordination with Engineer and Owner's schedules, a conference attended by Owner, Contractor, Engineer, and others as appropriate will be held to establish a working understanding among the parties as to the Work and to discuss the schedules referred to in Paragraph 2.03.A, procedures for handling Shop Drawings, Samples, and other submittals, processing Applications for Payment, electronic or digital transmittals, and maintaining required records.
- B. At this conference Owner and Contractor each shall designate, in writing, a specific individual to act as its authorized representative with respect to the services and responsibilities under the Contract. Such individuals shall have the authority to transmit and receive information, render decisions relative to the Contract, and otherwise act on behalf of each respective party.

2.05 *Initial Acceptance of Schedules*

- A. At least ten (10) days before submission of the first Application for Payment a conference, attended by Contractor, Engineer, and others as appropriate, will be held to review for acceptability to Engineer as provided below the schedules submitted in accordance with Paragraph 2.03.A. Contractor shall have an additional ten (10) days to make corrections and adjustments and to complete and resubmit the schedules. No progress payment shall be made to Contractor until acceptable schedules are submitted to Engineer.
 - 1. The Progress Schedule will be acceptable to Engineer if it provides an orderly progression of the Work to completion within the Contract Times. Such acceptance will not impose on Engineer responsibility for the Progress Schedule, for sequencing, scheduling, or progress of the Work, nor interfere with or relieve Contractor from Contractor's full responsibility therefor. The Progress Schedule shall conform to the requirements of Paragraph 2.03A.1 and, after Owner and Engineer have reviewed and accepted the same, the Progress Schedule shall be deemed to be part of the Contract Documents and attached to the Agreement. If the Progress Schedule is not accepted, then it shall be revised by

Contractor as soon as possible to accommodate the recommendations of Owner and Engineer, and resubmitted for acceptance.

2. Contractor's Schedule of Submittals will be acceptable to Engineer if it provides a workable arrangement for reviewing and processing the required submittals.
3. Contractor's Schedule of Values will be acceptable to Engineer as to form and substance if it provides a reasonable allocation of the Contract Price to the component parts of the Work.

2.06 *Electronic Transmittals*

- A. Except as otherwise stated elsewhere in the Contract, the Owner, Engineer, and Contractor may transmit, and shall accept, Project-related correspondence, text, data, documents, drawings, information, and graphics, including but not limited to Shop Drawings and other submittals, in electronic media or digital format, either directly, or through access to a secure Project website.
- B. If the Contract does not establish protocols for electronic or digital transmittals, then Owner, Engineer, and Contractor shall jointly develop such protocols.
- C. When transmitting items in electronic media or digital format, the transmitting party makes no representations as to long term compatibility, usability, or readability of the items resulting from the recipient's use of software application packages, operating systems, or computer hardware differing from those used in the drafting or transmittal of the items, or from those established in applicable transmittal protocols.

ARTICLE 3 – DOCUMENTS: INTENT, REQUIREMENTS, REUSE

3.01 *Intent*

- A. The Contract Documents are complementary; what is required by one is as binding as if required by all.
- B. It is the intent of the Contract Documents to describe a functionally complete project (or part thereof) to be constructed in accordance with the Contract Documents.
- C. Unless otherwise stated in the Contract Documents, if there is a discrepancy between the electronic or digital versions of the Contract Documents (including any printed copies derived from such electronic or digital versions) and the printed record version, the printed record version shall govern.
- D. The Contract supersedes prior negotiations, representations, and agreements, whether written or oral.
- E. Engineer will issue clarifications and interpretations of the Contract Documents as provided herein.

3.02 *Reference Standards*

- A. Standards Specifications, Codes, Laws and Regulations
 1. Reference in the Contract Documents to standard specifications, manuals, reference standards, or codes of any technical society, organization, or association, or to Laws or Regulations, whether such reference be specific or by implication, shall mean the standard specification, manual, reference standard, code, or Laws or Regulations in effect at the time of opening of Bids (or on the Effective Date of the Contract if there were no Bids), except as may be otherwise specifically stated in the Contract Documents.
 2. No provision of any such standard specification, manual, reference standard, or code, or any instruction of a Supplier, shall be effective to change the duties or responsibilities of Owner, Contractor, or Engineer, or any of their subcontractors, consultants, agents, or employees, from those set forth in the part of the Contract Documents prepared by or for Engineer. No such provision or instruction shall be effective to assign to Owner, Engineer, or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors, any duty or authority to supervise or direct the performance of the Work or any duty or authority to undertake responsibility inconsistent with the provisions of the part of the Contract Documents prepared by or for Engineer.

3.03 *Reporting and Resolving Discrepancies*

A. *Reporting Discrepancies:*

1. *Contractor's Verification of Figures and Field Measurements:* Owner does not guaranty the grades, elevations, dimensions, locations, and field measurements or any drawings or specifications issued by Engineer, nor any Work installed by other contractors. Before undertaking each part of the Work, Contractor shall carefully study the Contract Documents, and check and verify the accuracy of all pertinent figures, grades, elevations, locations and dimensions therein, particularly with respect to applicable field measurements. Contractor shall verify at the Site all dimensions relating to existing Work or other work as it may affect the interconnection of Contractor's Work with the same. Contractor shall promptly report in writing to Engineer any conflict, error, ambiguity, or discrepancy that Contractor discovers, or has actual knowledge of, and shall not proceed with any Work affected thereby until the conflict, error, ambiguity, or discrepancy is resolved, by a clarification or interpretation by Engineer, or by an amendment or supplement to the Contract Documents issued pursuant to Paragraph 11.01. Contractor shall promptly rectify any errors due to Contractor's failure to verify the grades, elevations, dimensions, locations, or field measurements at no additional cost to Owner or extensions of the Contract Time. By initiating the Work, Contractor shall be deemed to have warranted, without assuming any architectural or engineering responsibility, that the Work can be performed in accordance with and within the time periods set forth in the Contract Documents.
2. *Contractor's Review of Contract Documents:* If, before or during the performance of the Work, Contractor discovers any conflict, error, ambiguity, or discrepancy within the Contract Documents, or between the Contract Documents and (a) any applicable Law or Regulation, (b) actual field conditions, (c) any standard specification, manual, reference standard, or code, or (d) any instruction of any Supplier, then Contractor shall promptly report it to Engineer in writing. Contractor shall not proceed with the Work affected thereby (except in an emergency as required by Paragraph 7.15) until the conflict, error, ambiguity, or discrepancy is resolved, by a clarification or interpretation by Engineer, or by an amendment or supplement to the Contract Documents issued pursuant to Paragraph 11.01.
3. Contractor shall not be liable to Owner or Engineer for failure to report any conflict, error, ambiguity, or discrepancy in the Contract Documents unless Contractor had, or through reasonable inspection should have had, knowledge thereof.

B. *Resolving Discrepancies:*

1. Except as may be otherwise specifically stated in the Contract Documents, the provisions of the part of the Contract Documents prepared by or for Engineer shall take precedence in resolving any conflict, error, ambiguity, or discrepancy between such provisions of the Contract Documents and:
 - a. the provisions of any standard specification, manual, reference standard, or code, or the instruction of any Supplier (whether or not specifically incorporated by reference as a Contract Document); or
 - b. the provisions of any Laws or Regulations applicable to the performance of the Work (unless such an interpretation of the provisions of the Contract Documents would result in violation of such Law or Regulation).

3.04 *Requirements of the Contract Documents*

- A. During the performance of the Work and until final payment, Contractor and Owner shall submit to the Engineer all matters in question concerning the requirements of the Contract Documents (sometimes referred to as requests for information or interpretation—RFIs), or relating to the acceptability of the Work under the Contract Documents, as soon as possible after such matters arise. Engineer will be the initial interpreter of the requirements of the Contract Documents, and judge of the acceptability of the Work thereunder.

- B. Engineer will, with reasonable promptness, render a written clarification, interpretation, or decision on the issue submitted, or initiate an amendment or supplement to the Contract Documents. Engineer's written clarification, interpretation, or decision will be final and binding on Contractor, unless it appeals by submitting a Change Proposal, and on Owner, unless it appeals by filing a Claim.
- C. If a submitted matter in question concerns terms and conditions of the Contract Documents that do not involve (1) the performance or acceptability of the Work under the Contract Documents, (2) the design (as set forth in the Drawings, Specifications, or otherwise), or (3) other engineering or technical matters, then Engineer will promptly give written notice to Owner and Contractor that Engineer is unable to provide a decision or interpretation. If Owner and Contractor are unable to agree on resolution of such a matter in question, either party may pursue resolution as provided in Article 12.

3.05 *Reuse of Documents*

- A. Contractor and its Subcontractors and Suppliers shall not:
 - 1. have or acquire any title to or ownership rights in any of the Drawings, Specifications, or other documents (or copies of any thereof) prepared by or bearing the seal of Engineer or its consultants, including electronic media editions, or reuse any such Drawings, Specifications, other documents, or copies thereof on extensions of the Project or any other project without written consent of Owner and Engineer and specific written verification or adaptation by Engineer; or
 - 2. have or acquire any title or ownership rights in any other Contract Documents, reuse any such Contract Documents for any purpose without Owner's express written consent, or violate any copyrights pertaining to such Contract Documents.
- B. The prohibitions of this Paragraph 3.05 will survive final payment, or termination of the Contract. Nothing herein shall preclude Contractor from retaining copies of the Contract Documents for record purposes.

ARTICLE 4 – COMMENCEMENT AND PROGRESS OF THE WORK

4.01 *Commencement of Contract Times; Notice to Proceed*

- A. The Contract Times will commence to run on the thirtieth day after the Effective Date of the Contract or, if a Notice to Proceed is given, on the day indicated in the Notice to Proceed. A Notice to Proceed may be given at any time within 30 days after the Effective Date of the Contract. In no event will the Contract Times commence to run later than the sixtieth day after the day of Bid opening or the thirtieth day after the Effective Date of the Contract, whichever date is earlier.

4.02 *Starting the Work*

- A. Contractor shall start to perform the Work on the date when the Contract Times commence to run. No Work shall be done at the Site prior to such date.

4.03 *Reference Points*

- A. Owner shall provide engineering surveys to establish reference points for construction which in Engineer's judgment are necessary to enable Contractor to proceed with the Work. Contractor shall be responsible for laying out the Work, shall protect and preserve the established reference points and property monuments, and shall make no changes or relocations without the prior written approval of Owner. Contractor shall report to Engineer whenever any reference point or property monument is lost or destroyed or requires relocation because of necessary changes in grades or locations, and shall be responsible for the accurate replacement or relocation of such reference points or property monuments by professionally qualified personnel.

4.04 *Progress Schedule*

- A. Contractor shall adhere to the Progress Schedule established in accordance with Paragraph 2.05 as it may be adjusted from time to time as provided below.

1. Contractor shall submit to Engineer for acceptance (to the extent indicated in Paragraph 2.05) proposed adjustments in the Progress Schedule that will not result in changing the Contract Times.
 2. Proposed adjustments in the Progress Schedule that will change the Contract Times shall be submitted in accordance with the requirements of Article 11.
- B. Contractor shall carry on the Work and adhere to the Progress Schedule during all disputes or disagreements with Owner. No Work shall be delayed or postponed pending resolution of any disputes or disagreements, or during any appeal process, except as permitted by Paragraph 16.04, or as Owner and Contractor may otherwise agree in writing.

4.05 *Delays in Contractor's Progress*

- A. If Owner, Engineer, or anyone for whom Owner is responsible, delays, disrupts, or interferes with the performance or progress of the Work, then Contractor shall be entitled to an equitable adjustment in the Contract Times and Contract Price. Contractor's entitlement to an adjustment of the Contract Times is conditioned on such adjustment being essential to Contractor's ability to complete the Work within the Contract Times.
- B. Contractor shall not be entitled to an adjustment in Contract Price or Contract Times for delay, disruption, or interference caused by or within the control of Contractor. Delay, disruption, and interference attributable to and within the control of a Subcontractor or Supplier shall be deemed to be within the control of Contractor.
- C. If Contractor's performance or progress is delayed, disrupted, or interfered with by unanticipated causes not the fault of and beyond the control of Owner, Contractor, and those for which they are responsible, then Contractor shall be entitled to an equitable adjustment in Contract Times. Contractor's entitlement to an adjustment of the Contract Times is conditioned on such adjustment being essential to Contractor's ability to complete the Work within the Contract Times. Such an adjustment shall be Contractor's sole and exclusive remedy for the delays, disruption, and interference described in this paragraph. Causes of delay, disruption, or interference that may give rise to an adjustment in Contract Times under this paragraph include but are not limited to the following:
1. severe and unavoidable natural catastrophes such as fires, floods, epidemics, and earthquakes;
 2. abnormal weather conditions;
 3. acts or failures to act of utility owners (other than those performing other work at or adjacent to the Site by arrangement with the Owner, as contemplated in Article 8); and
 4. acts of war or terrorism.
- D. Delays, disruption, and interference to the performance or progress of the Work resulting from the existence of a differing subsurface or physical condition, an Underground Facility that was not shown or indicated by the Contract Documents, or not shown or indicated with reasonable accuracy, and those resulting from Hazardous Environmental Conditions, are governed by Article 5.
- E. Paragraph 8.03 governs delays, disruption, and interference to the performance or progress of the Work resulting from the performance of certain other work at or adjacent to the Site.
- F. Contractor shall not be entitled to an adjustment in Contract Price or Contract Times for any delay, disruption, or interference if such delay is concurrent with a delay, disruption, or interference caused by or within the control of Contractor.
- G. Contractor must submit any Change Proposal seeking an adjustment in Contract Price or Contract Times under this paragraph within 30 days of the commencement of the delaying, disrupting, or interfering event.

ARTICLE 5 – AVAILABILITY OF LANDS; SUBSURFACE AND PHYSICAL CONDITIONS; HAZARDOUS ENVIRONMENTAL CONDITIONS

5.01 *Availability of Lands*

- A. Owner shall furnish the Site. Owner shall notify Contractor of any encumbrances or restrictions not of general application but specifically related to use of the Site with which Contractor must comply in performing the Work. If all lands and rights-of-way comprising the Site are not obtained as herein contemplated before construction begins, Contractor shall begin the Work upon such land and rights-of-way as Owner has previously acquired or has obtained appropriate approval for proceeding with the Work.
- B. Upon reasonable written request, Owner shall furnish Contractor with a current statement of record legal title and legal description of the lands upon which permanent improvements are to be made and Owner's interest therein as necessary for giving notice of or filing a mechanic's or construction lien against such lands in accordance with applicable Laws and Regulations.
- C. Contractor shall provide for all additional lands and access thereto that may be required for temporary construction facilities or storage of materials and equipment.

5.02 *Use of Site and Other Areas*

- A. *Limitation on Use of Site and Other Areas:*
 - 1. Contractor shall confine construction equipment, temporary construction facilities, the storage of materials and equipment, and the operations of workers to the Site, adjacent areas that Contractor has arranged to use through construction easements or otherwise, and other adjacent areas permitted by Laws and Regulations, and shall not unreasonably encumber the Site and such other adjacent areas with construction equipment or other materials or equipment. Contractor shall assume full responsibility for (a) damage to the Site; (b) damage to any such other adjacent areas used for Contractor's operations; (c) damage to any other adjacent land or areas; and (d) for injuries and losses sustained by the owners or occupants of any such land or areas; provided that such damage or injuries result from the performance of the Work or from other actions or conduct of the Contractor or those for which Contractor is responsible.
 - 2. If a damage or injury claim is made by the owner or occupant of any such land or area because of the performance of the Work, or because of other actions or conduct of the Contractor or those for which Contractor is responsible, Contractor shall (a) take immediate corrective or remedial action as required by Paragraph 7.12, or otherwise; (b) promptly attempt to settle the claim as to all parties through negotiations with such owner or occupant, or otherwise resolve the claim by arbitration or other dispute resolution proceeding, or at law; and (c) to the fullest extent permitted by Laws and Regulations, indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them from and against any such claim, and against all costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to any claim or action, legal or equitable, brought by any such owner or occupant against Owner, Engineer, or any other party indemnified hereunder to the extent caused directly or indirectly, in whole or in part by, or based upon, Contractor's performance of the Work, or because of other actions or conduct of the Contractor or those for which Contractor is responsible.
- B. *Removal of Debris During Performance of the Work:* During the progress of the Work the Contractor shall keep the Site and other adjacent areas free from accumulations of waste materials, rubbish, and other debris. Removal and disposal of such waste materials, rubbish, and other debris shall conform to applicable Laws and Regulations.
- C. *Cleaning:* Prior to Substantial Completion of the Work Contractor shall clean the Site and the Work and make it ready for utilization by Owner. At the completion of the Work Contractor shall remove from the

Site and adjacent areas all tools, appliances, construction equipment and machinery, and surplus materials and shall restore to original condition all property not designated for alteration by the Contract Documents.

- D. *Loading of Structures:* Contractor shall not load nor permit any part of any structure to be loaded in any manner that will endanger the structure, nor shall Contractor subject any part of the Work or adjacent structures or land to stresses or pressures that will endanger them.

5.03 *Subsurface and Physical Conditions*

- A. *Reports and Drawings:* The Supplementary Conditions identify:
1. those reports known to Owner of explorations and tests of subsurface conditions at or adjacent to the Site;
 2. those drawings known to Owner of physical conditions relating to existing surface or subsurface structures at the Site (except Underground Facilities); and
 3. Technical Data contained in such reports and drawings.
- B. *Reliance by Contractor on Technical Data Authorized:* Contractor may rely upon the accuracy of the Technical Data expressly identified in the Supplementary Conditions with respect to such reports and drawings, but such reports and drawings are not Contract Documents. If no such express identification has been made, then Contractor may rely upon the accuracy of the Technical Data (as defined in Article 1) contained in any geotechnical or environmental report prepared for the Project and made available to Contractor. Except for such reliance on Technical Data, Contractor may not rely upon or make any claim against Owner or Engineer, or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors, with respect to:
1. the completeness of such reports and drawings for Contractor's purposes, including, but not limited to, any aspects of the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor, and safety precautions and programs incident thereto; or
 2. other data, interpretations, opinions, and information contained in such reports or shown or indicated in such drawings; or
 3. any Contractor interpretation of or conclusion drawn from any Technical Data or any such other data, interpretations, opinions, or information.

5.04 *Differing Subsurface or Physical Conditions*

- A. *Contractor shall thoroughly investigate the site of the work prior to submitting its proposal and price to OWNER for performing Work under this Contract. Contractor warrants that it has become thoroughly familiar with the site of the Work and it is agreed that after Contractor's proposal has been accepted by Owner, the Owner shall not be obligated to pay Contractor additional compensation as a result of any conditions encountered at the site by Contractor during the performance of Work under this Contract. As such, there shall be no additional sums paid to Contractor as a result of differing or unexpected site conditions, including but not limited to the existence of rock, unsuitable material or other subsurface conditions, which are encountered by contractor following the execution of the Agreement.*
- B. *No claim for additional compensation relating to extra work or extra materials shall be allowed unless such extra work or materials are authorized in writing by the Owner or Owner's Engineer prior to such extra work or materials being performed or provided by Contractor, or anyone acting under the direction of the Contractor.*
- C. *In no event shall changes to the work be performed or deviations from the Plans and Specifications be made, subject to Contractor's obligation to comply with the provisions of paragraph 5.05H herein relating to the location of easements and/or rights-of-way, nor shall there be any increase in the contract price,*

unless such change or increase has been agreed to in writing which must be signed by the Owner or Owner's Engineer.

5.05 *Underground Facilities*

- A. *Contractor's Responsibilities:* The information and data shown or indicated in the Contract Documents with respect to existing Underground Facilities at or adjacent to the Site is based on information and data furnished to Owner or Engineer by the owners of such Underground Facilities, including Owner, or by others. Unless it is otherwise expressly provided in the Contract Documents:
1. Owner and Engineer shall not be responsible for the accuracy or completeness of any such information or data; and
 2. the cost of all of the following will be included in the Contract Price, and Contractor shall have full responsibility for:
 - a. reviewing and checking all information and data regarding existing Underground Facilities at the Site;
 - b. locating all Underground Facilities shown or indicated in the Contract Documents as being at the Site;
 - c. coordination of the Work with the owners (including Owner) of such Underground Facilities, during construction; and
 - d. the safety and protection of all existing Underground Facilities at the Site, and repairing any damage thereto resulting from the Work.
- B. *Notice by Contractor:* If Contractor believes that an Underground Facility that is uncovered or revealed at the Site was not shown or indicated in the Contract Documents, or was not shown or indicated with reasonable accuracy, then Contractor shall, promptly after becoming aware thereof and before further disturbing conditions affected thereby or performing any Work in connection therewith (except in an emergency as required by Paragraph 7.15), identify the owner of such Underground Facility and give written notice to that owner and to Owner and Engineer.

The drawings may indicate or may not indicate the presence of existing utilities or facilities in the project area. Existing above or underground utilities, structures, or facilities that are shown on the plans are based on the information made available to the Engineer. The existing facilities may be in locations different than those shown on the drawings. It shall be the responsibility of the Contractor to acquaint himself with the exact location and to avoid conflict with all existing facilities. Where underground or above ground utilities, structures, or facilities are damaged, they shall be immediately repaired, at the Contractor's expense, to the specifications of the owner of the utility. If the owner of the utility elects to make such repairs with his own forces, Contractor shall make arrangements as to protect the owner from all damages. Where such conflicts are unavoidable, every effort shall be made to construct the work so as to cause as little interference as possible with services rendered by the structure disturbed. **UNLESS OTHERWISE SPECIFIED IN WRITING BY THE ENGINEER, ENGINEER DID NOT CONDUCT FIELD VERIFICATION OF EXISTING UTILITIES AND CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SUCH VERIFICATION.**

- C. *Engineer's Review:* Engineer will promptly review the Underground Facility and conclude whether such Underground Facility was not shown or indicated in the Contract Documents, or was not shown or indicated with reasonable accuracy; obtain any pertinent cost or schedule information from Contractor; prepare recommendations to Owner regarding the Contractor's resumption of Work in connection with the Underground Facility in question; determine the extent, if any, to which a change is required in the Drawings or Specifications to reflect and document the consequences of the existence or location of the Underground Facility; and advise Owner in writing of Engineer's findings, conclusions, and recommendations. During such time, Contractor shall be responsible for the safety and protection of such Underground Facility.

D. *Owner's Statement to Contractor Regarding Underground Facility:* After receipt of Engineer's written findings, conclusions, and recommendations, Owner shall issue a written statement to Contractor (with a copy to Engineer) regarding the Underground Facility in question, addressing the resumption of Work in connection with such Underground Facility, indicating whether any change in the Drawings or Specifications will be made, and adopting or rejecting Engineer's written findings, conclusions, and recommendations in whole or in part.

E. *Possible Price and Times Adjustments:*

1. Contractor shall be entitled to an equitable adjustment in the Contract Price or Contract Times, or both, to the extent that any existing Underground Facility at the Site that was not shown or indicated in the Contract Documents, or was not shown or indicated with reasonable accuracy, or any related delay, disruption, or interference, causes an increase or decrease in Contractor's cost of, or time required for, performance of the Work; subject, however, to the following:
 - a. Contractor did not know of and could not reasonably have been expected to be aware of or to have anticipated the existence or actual location of the Underground Facility in question based upon a reasonable inspection;
 - b. With respect to Work that is paid for on a unit price basis, any adjustment in Contract Price will be subject to the provisions of Paragraph 13.03;
 - c. Contractor's entitlement to an adjustment of the Contract Times is conditioned on such adjustment being essential to Contractor's ability to complete the Work within the Contract Times; and
 - d. Contractor gave the notice required in Paragraph 5.05.B.
2. If Owner and Contractor agree regarding Contractor's entitlement to and the amount or extent of any adjustment in the Contract Price or Contract Times, or both, then any such adjustment shall be set forth in a Change Order.
3. Contractor may submit a Change Proposal regarding its entitlement to or the amount or extent of any adjustment in the Contract Price or Contract Times, or both, no later than 30 days after Owner's issuance of the Owner's written statement to Contractor regarding the Underground Facility in question.

F. *Notification of Utility Companies:* The Contractor shall be responsible for notification of and cooperation with utility companies and agencies when the Contractor's operations are close to existing facilities in order to provide time for the utilities to stake the location of their existing facilities. The Contractor shall cooperate with the utility company and provide schedules, etc., when requested.

Underground utilities and services shall be located in coordination with each utility owner for power, water, sewer, drainage, gas, irrigation, cable television, and telephone prior to excavation, and agreement reached with each as to protection of facilities, restoration of services, and allocation of responsibility prior to start of work. The Contractor shall be responsible for coordinating the location (by flagging) of existing underground utilities with the respective utility company prior to Contractor's commencement of work in any area where utilities are located. In case of private electrical service lines, the Contractor shall be responsible for locating the electrical services and making the necessary provisions to maintain continuous service to the users.

G. The Contractor shall comply with the State of Florida Underground Facility Damage Prevention and Safety Act, F.S., Chapter 556. Prior to construction the Contractor shall comply with notification requirements of the Sunshine State One-Call Center.

H. Contractor shall be responsible for laying out the Work, shall protect and preserve any established reference points and property monuments, and shall make no changes or relocations without the prior written approval of Owner. Contractor shall report to Engineer whenever any

reference point or property monument is lost or destroyed or requires relocation because of necessary changes in grades or locations, and shall be responsible for the accurate replacement or relocation of such reference points or property monuments by professionally qualified personnel.

The Contractor is to provide stakeout and shall pay for additional staking services beyond the scope listed above in this paragraph.

The Contractor shall be responsible for the cost and replacement of all permanent reference monuments, permanent control points, and temporary control points damaged, destroyed, or disturbed by his operations. The Contractor shall either promptly reimburse the Owner for said costs or shall have the amount deducted from the next month's pay request and all subsequent pay requests.

5.06 *Hazardous Environmental Conditions at Site*

- A. *Reports and Drawings:* The Supplementary Conditions identify:
1. those reports and drawings known to Owner relating to Hazardous Environmental Conditions that have been identified at or adjacent to the Site; and
 2. Technical Data contained in such reports and drawings.
- B. *Reliance by Contractor on Technical Data Authorized:* Contractor may rely upon the accuracy of the Technical Data expressly identified in the Supplementary Conditions with respect to such reports and drawings, but such reports and drawings are not Contract Documents. If no such express identification has been made, then Contractor may rely on the accuracy of the Technical Data (as defined in Article 1) contained in any geotechnical or environmental report prepared for the Project and made available to Contractor. Except for such reliance on Technical Data, Contractor may not rely upon or make any claim against Owner or Engineer, or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors with respect to:
1. the completeness of such reports and drawings for Contractor's purposes, including, but not limited to, any aspects of the means, methods, techniques, sequences and procedures of construction to be employed by Contractor and safety precautions and programs incident thereto; or
 2. other data, interpretations, opinions and information contained in such reports or shown or indicated in such drawings; or
 3. any Contractor interpretation of or conclusion drawn from any Technical Data or any such other data, interpretations, opinions or information.
- C. Contractor shall not be responsible for removing or remediating any Hazardous Environmental Condition encountered, uncovered, or revealed at the Site unless such removal or remediation is expressly identified in the Contract Documents to be within the scope of the Work.
- D. Contractor shall be responsible for controlling, containing, and duly removing all Constituents of Concern brought to the Site by Contractor, Subcontractors, Suppliers, or anyone else for whom Contractor is responsible, and for any associated costs; and for the costs of removing and remediating any Hazardous Environmental Condition created by the presence of any such Constituents of Concern.
- E. If Contractor encounters, uncovers, or reveals a Hazardous Environmental Condition whose removal or remediation is not expressly identified in the Contract Documents as being within the scope of the Work, or if Contractor or anyone for whom Contractor is responsible creates a Hazardous Environmental Condition, then Contractor shall immediately: (1) secure or otherwise isolate such condition; (2) stop all Work in connection with such condition and in any area affected thereby (except in an emergency as required by Paragraph 7.15); and (3) notify Owner and Engineer (and promptly thereafter confirm such notice in writing). Owner shall promptly consult with Engineer concerning the necessity for Owner to retain a qualified expert to evaluate such condition or take corrective action, if any. Promptly after consulting with Engineer, Owner shall take such actions as are necessary to permit Owner to timely obtain required permits and provide Contractor the written notice required by Paragraph 5.06.F. If Contractor or

anyone for whom Contractor is responsible created the Hazardous Environmental Condition in question, then Owner may remove and remediate the Hazardous Environmental Condition, and impose a set-off against payments to account for the associated costs.

- F. Contractor shall not resume Work in connection with such Hazardous Environmental Condition or in any affected area until after Owner has obtained any required permits related thereto, and delivered written notice to Contractor either (1) specifying that such condition and any affected area is or has been rendered safe for the resumption of Work, or (2) specifying any special conditions under which such Work may be resumed safely.
- G. If Owner and Contractor cannot agree as to entitlement to or on the amount or extent, if any, of any adjustment in Contract Price or Contract Times, or both, as a result of such Work stoppage or such special conditions under which Work is agreed to be resumed by Contractor, then within 30 days of Owner's written notice regarding the resumption of Work, Contractor may submit a Change Proposal, or Owner may impose a set-off.
- H. If after receipt of such written notice Contractor does not agree to resume such Work based on a reasonable belief it is unsafe, or does not agree to resume such Work under such special conditions, then Owner may order the portion of the Work that is in the area affected by such condition to be deleted from the Work, following the contractual change procedures in Article 11. Owner may have such deleted portion of the Work performed by Owner's own forces or others in accordance with Article 8.
- I. To the fullest extent permitted by Laws and Regulations, Owner shall indemnify and hold harmless Contractor, Subcontractors, and Engineer, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to a Hazardous Environmental Condition, provided that such Hazardous Environmental Condition (1) was not shown or indicated in the Drawings, Specifications, or other Contract Documents, identified as Technical Data entitled to limited reliance pursuant to Paragraph 5.06.B, or identified in the Contract Documents to be included within the scope of the Work, and (2) was not created by Contractor or by anyone for whom Contractor is responsible. Nothing in this Paragraph 5.06.I shall obligate Owner to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence.
- J. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to the failure to control, contain, or remove a Constituent of Concern brought to the Site by Contractor or by anyone for whom Contractor is responsible, or to a Hazardous Environmental Condition created by Contractor or by anyone for whom Contractor is responsible. Nothing in this Paragraph 5.06.J shall obligate Contractor to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence.
- K. The provisions of Paragraphs 5.03, 5.04, and 5.05 do not apply to the presence of Constituents of Concern or to a Hazardous Environmental Condition uncovered or revealed at the Site.

ARTICLE 6 – BONDS AND INSURANCE (ALSO SEE EXHIBIT A)

6.01 *Performance, Payment, and Other Bonds*

- A. A Construction Performance Bond and a Construction Payment Bond each in an amount equal to the Contract Price may be required as specified in Exhibit A Bonding and Insurance. The prescribed form of Construction Performance Bond and Payment Bond is included in these documents. The Construction Performance Bond and Payment Bond shall have an A.M. Best Company rating of A or better.

- B. CONTRACTOR'S payment bond, if required by CONTRACT as specified in Exhibit A, shall be in the form required by Section 713.23, Florida Statutes, in order to exempt any and all property owners from all liens arising under Part I, Chapter 713, Florida Statutes as relates to the work of CONTRACTOR under this Agreement. Said bond shall be executed by a surety insurer authorized to do business in Florida and shall be conditioned that CONTRACTOR shall promptly make payments for labor, services, and materials to all persons or companies providing labor, services, or materials under CONTRACTOR'S direct contract with OWNER. It is understood and agreed by the parties hereto that the required payment bond is for the express purpose of exempting all owners of the properties affected by this Agreement from having Claims of Lien recorded or filed against their properties. In the event any Claim of Lien is filed against any property as a result of work performed under this Agreement, CONTRACTOR shall immediately transfer any such lien to other security pursuant to Section 713.24, Florida Statutes , and CONTRACTOR shall be responsible for paying all costs and expenses associated with such transfers.
- C. If the surety on a bond furnished by Contractor is declared bankrupt or becomes insolvent, or its right to do business is terminated in any state or jurisdiction where any part of the Project is located, or the surety ceases to meet the requirements above, then Contractor shall promptly notify Owner and Engineer and shall, within 20 days after the event giving rise to such notification, provide another bond and surety, both of which shall comply with the bond and surety requirements above.
- D. If Contractor has failed to obtain a required bond, Owner may exclude the Contractor from the Site and exercise Owner's termination rights under Article 16.
- E. Upon request, Owner shall provide a copy of the payment bond to any Subcontractor, Supplier, or other person or entity claiming to have furnished labor or materials used in the performance of the Work.

6.02 *Insurance—General Provisions*

- A. Owner and Contractor shall obtain and maintain insurance as required in this Article, and in Exhibit A. In the event of any inconsistency as to the provisions of this Article with the requirements of Exhibit A, the requirements set forth in Exhibit A shall control.
- B. All insurance required by the Contract to be purchased and maintained by Owner or Contractor shall be obtained from insurance companies that are duly licensed or authorized, in the state or jurisdiction in which the Project is located, to issue insurance policies for the required limits and coverages. Unless a different standard is indicated in the Supplementary Conditions, or Exhibit A all companies that provide insurance policies required under this Contract shall have an A.M. Best rating of A-VII or better.
- C. Contractor shall deliver to Owner, with copies to each named insured and additional insured (as identified in this Article or elsewhere in the Contract), certificates of insurance establishing that Contractor has obtained and is maintaining the policies, coverages, and endorsements required by the Contract. Upon request by Owner or any other insured, Contractor shall also furnish other evidence of such required insurance, including but not limited to copies of policies and endorsements, and documentation of applicable self-insured retentions and deductibles. Contractor may block out (redact) any confidential premium or pricing information contained in any policy or endorsement furnished under this provision.
- D. Owner shall deliver to Contractor, with copies to each named insured and additional insured (as identified in this Article, or elsewhere in the Contract Documents), certificates of insurance establishing that Owner has obtained and is maintaining the policies, coverages, and endorsements required of Owner by the Contract (if any). Upon request by Contractor or any other insured, Owner shall also provide other evidence of such required insurance (if any), including but not limited to copies of policies and endorsements, and documentation of applicable self-insured retentions and deductibles. Owner may block out (redact) any confidential premium or pricing information contained in any policy or endorsement furnished under this provision.
- E. Failure of Owner or Contractor to demand such certificates or other evidence of the other party's full compliance with these insurance requirements, or failure of Owner or Contractor to identify a deficiency

in compliance from the evidence provided, shall not be construed as a waiver of the other party's obligation to obtain and maintain such insurance.

- F. If either party does not purchase or maintain all of the insurance required of such party by the Contract, such party shall notify the other party in writing of such failure to purchase prior to the start of the Work, or of such failure to maintain prior to any change in the required coverage.
- G. If Contractor has failed to obtain and maintain required insurance, Owner may exclude the Contractor from the Site, impose an appropriate set-off against payment, and exercise Owner's termination rights under Article 16.
- H. Without prejudice to any other right or remedy, if a party has failed to obtain required insurance, the other party may elect to obtain equivalent insurance to protect such other party's interests at the expense of the party who was required to provide such coverage, and the Contract Price shall be adjusted accordingly.
- I. Owner does not represent that insurance coverage and limits established in this Contract necessarily will be adequate to protect Contractor or Contractor's interests.
- J. The insurance and insurance limits required herein shall not be deemed as a limitation on Contractor's liability under the indemnities granted to Owner and other individuals and entities in the Contract.

6.03 *Contractor's Insurance*

- A. *Workers' Compensation:* Contractor and Subcontractors shall purchase and maintain statutory workers' compensation and employer's liability insurance for:
 - 1. claims under workers' compensation, disability benefits, and other similar employee benefit acts.
 - 2. United States Longshoreman and Harbor Workers' Compensation Act and Jones Act coverage (if applicable).
 - 3. claims for damages because of bodily injury, occupational sickness or disease, or death of Contractor's employees (by stop-gap endorsement in monopolist worker's compensation states).
 - 4.

The CONTRACTOR shall obtain from its insurer a waiver of subrogation against OWNER, ENGINEER, and their consultants, and each of their directors, officers, agents and employees by reason of any payment made on account of injury, including death resulting therefrom, sustained by any employee of the CONTRACTOR or other worker on the Project arising out of the performance of work under this contract.
- B. *Commercial General Liability—Claims Covered:* Contractor shall purchase and maintain commercial general liability insurance, covering all operations by or on behalf of Contractor, on an occurrence basis, against:
 - 1. claims for damages because of bodily injury, sickness or disease, or death of any person other than Contractor's employees.
 - 2. claims for damages insured by reasonably available personal injury liability coverage.
 - 3. claims for damages, other than to the Work itself, because of injury to or destruction of tangible property wherever located, including loss of use resulting therefrom.
 - 4. Advertising liability, contractual liability, completed operations, and product liability coverages.
- C. *Commercial General Liability—Form and Content:* Contractor's commercial liability policy shall be written on a 1996 (or later) ISO commercial general liability form (occurrence form) and shall have minimum and in the Aggregate coverage limits for bodily injury; Personal and Advertising Injury; Other than Products – Completed Operations and Products – Completed Operations as outlined in Exhibit A; and shall include the following coverages and endorsements:

1. Products and completed operations coverage:
 - a. Such insurance shall be maintained for five (5) years after final payment.
 - b. Contractor shall furnish Owner and each other additional insured (as identified in the Supplementary Conditions or elsewhere in the Contract) evidence of continuation of such insurance at final payment and five (5) years thereafter.
 2. Blanket contractual liability coverage (as provided by ISO CG 00 01) with no additional restrictions, modifications, endorsements or amendments and, to the extent permitted by law, including but not limited to coverage of Contractor's contractual indemnity obligations in Paragraph 7.18.
 3. Broad form property damage coverage.
 4. Severability of interest.
 5. Underground, explosion, and collapse coverage.
 6. Personal injury coverage.
 7. Additional insured endorsements that include both ongoing operations and products and completed operations coverage through ISO Endorsements CG 20 10 10 01 and CG 20 37 10 01 (together); or CG 20 10 07 04 and CG 20 37 07 04 (together); or their equivalent.
 8. For design professional additional insureds, ISO Endorsement CG 20 32 07 04, "Additional Insured—Engineers, Architects or Surveyors Not Engaged by the Named Insured" or its equivalent.
- D. *Automobile liability:*
- Automobile Liability coverage, including owned, non-owned, and hired automobiles shall provide coverages, each occurrence and in the aggregate, for Bodily Injury, Property Damage, and Combined Bodily Injury, Personal Injury, and Damage Coverage as specified in Exhibit A:
- E. *Umbrella or excess liability:* Contractor shall purchase and maintain umbrella or excess liability insurance written over the underlying employer's liability, commercial general liability, and automobile liability insurance. Subject to industry-standard exclusions, the coverage afforded shall follow form as to each and every one of the underlying policies.
- F. *Contractor's pollution liability insurance:* Contractor shall purchase and maintain a policy covering third-party injury and property damage claims, including clean-up costs, as a result of pollution conditions arising from Contractor's operations and completed operations. This insurance shall be maintained for no less than three (3) years after final completion.
- G. *Additional insureds:* The Contractor's commercial general liability, automobile liability, umbrella or excess, and pollution liability policies shall include and list as additional insureds Owner, Owner's affiliates, as designated by Owner by notice to Contractor, and Engineer, and any individuals or entities identified in the Supplementary Conditions; include coverage for the respective officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of all such additional insureds; and the insurance afforded to these additional insureds shall provide primary coverage for all claims covered thereby (including as applicable those arising from both ongoing and completed operations) on a non-contributory basis. Contractor shall obtain all necessary endorsements to support these requirements.
- H. *Contractor's professional liability insurance:* If Contractor will provide or furnish professional services under this Contract, through a delegation of professional design services or otherwise, then Contractor shall be responsible for purchasing and maintaining applicable professional liability insurance. This insurance shall provide protection against claims arising out of performance of professional design or related services, and caused by a negligent error, omission, or act for which the insured party is legally liable. It shall be maintained throughout the duration of the Contract and for a minimum of two (2) years after Final Completion and shall include a waiver of subrogation in favor of Owner. If such professional design services are performed by a Subcontractor, and not by Contractor itself, then the requirements of

this paragraph may be satisfied through the purchasing and maintenance of such insurance by such Subcontractor.

- I. *General provisions:* The policies of insurance required by this Paragraph 6.03 shall:
 - 1. include at least the specific coverages provided in this Article.
 - 2. be written for not less than the limits of liability provided in this Article and in Exhibit A or required by Laws or Regulations, whichever is greater.
 - 3. contain a provision or endorsement that the coverage afforded will not be canceled, materially changed, or renewal refused until at least 10 days prior written notice has been given to Contractor. Within three (3) days of receipt of any such written notice, Contractor shall provide a copy of the notice to Owner, Engineer, and each other insured under the policy.
 - 4. remain in effect at least until final payment (and longer if expressly required in this Article) and at all times thereafter when Contractor may be correcting, removing, or replacing defective Work as a warranty or correction obligation, or otherwise, or returning to the Site to conduct other tasks arising from the Contract Documents.
 - 5. be appropriate for the Work being performed and provide protection from claims that may arise out of or result from Contractor's performance of the Work and Contractor's other obligations under the Contract Documents, whether it is to be performed by Contractor, any Subcontractor or Supplier, or by anyone directly or indirectly employed by any of them to perform any of the Work, or by anyone for whose acts any of them may be liable.
- J. The coverage requirements for specific policies of insurance may be met by such primary policies, or in combination with excess or umbrella policies.

6.04 *Owner's Liability Insurance*

- A. In addition to the insurance required to be provided by Contractor under Paragraph 6.03, Owner, at Owner's option, may purchase and maintain at Owner's expense Owner's own liability insurance as will protect Owner against claims which may arise from operations under the Contract Documents.
- B. Owner's liability policies, if any, operate separately and independently from policies required to be provided by Contractor, and Contractor cannot rely upon Owner's liability policies for any of Contractor's obligations to the Owner, Engineer, or third parties.

6.05 *Property Insurance*

- A. *Builder's Risk:* Unless otherwise provided in the Contract Documents, Owner shall purchase and maintain builder's risk insurance upon the Work on a completed value basis, in the amount of the full insurable replacement cost thereof. This insurance shall:
 - 1. include the Owner and Contractor as named insureds, and all Subcontractors, and any individuals or entities required by the Supplementary Conditions to be insured under such builder's risk policy, as insureds or named insureds. For purposes of the remainder of this Paragraph 6.05, Paragraphs 6.06 and 6.07, and any corresponding Supplementary Conditions, the parties required to be insured shall collectively be referred to as "insureds."
 - 2. be written on a builder's risk "all risk" policy form that shall at least include insurance for physical loss or damage to the Work, temporary buildings, falsework, and materials and equipment in transit, and shall insure against at least the following perils or causes of loss: fire; lightning; windstorm; riot; civil commotion; terrorism; vehicle impact; aircraft; smoke; theft; vandalism and malicious mischief; mechanical breakdown, boiler explosion, and artificially generated electric current; earthquake; volcanic activity, and other earth movement; flood; collapse; explosion; debris removal; demolition occasioned by enforcement of Laws and Regulations; water damage (other than that caused by flood); and such other perils or causes of loss as may be specifically required by the Supplementary Conditions. If insurance against mechanical breakdown, boiler explosion, and artificially generated

electric current; earthquake; volcanic activity, and other earth movement; or flood, are not commercially available under builder's risk policies, by endorsement or otherwise, such insurance may be provided through other insurance policies acceptable to Owner and Contractor.

3. cover, as insured property, at least the following: (a) the Work and all materials, supplies, machinery, apparatus, equipment, fixtures, and other property of a similar nature that are to be incorporated into or used in the preparation, fabrication, construction, erection, or completion of the Work, including Owner-furnished or assigned property; (b) spare parts inventory required within the scope of the Contract; and (c) temporary works which are not intended to form part of the permanent constructed Work but which are intended to provide working access to the Site, or to the Work under construction, or which are intended to provide temporary support for the Work under construction, including scaffolding, form work, fences, shoring, falsework, and temporary structures.
 4. cover expenses incurred in the repair or replacement of any insured property (including but not limited to fees and charges of engineers and architects).
 5. extend to cover damage or loss to insured property while in temporary storage at the Site or in a storage location outside the Site (but not including property stored at the premises of a manufacturer or Supplier).
 6. extend to cover damage or loss to insured property while in transit.
 7. allow for partial occupation or use of the Work by Owner, such that those portions of the Work that are not yet occupied or used by Owner shall remain covered by the builder's risk insurance.
 8. allow for the waiver of the insurer's subrogation rights, as set forth below.
 9. provide primary coverage for all losses and damages caused by the perils or causes of loss covered.
 10. not include a co-insurance clause.
 11. include an exception for ensuing losses from physical damage or loss with respect to any defective workmanship, design, or materials exclusions.
 12. include performance/hot testing and start-up.
 13. be maintained in effect, subject to the provisions herein regarding Substantial Completion and partial occupancy or use of the Work by Owner, until the Work is complete.
- B. *Notice of Cancellation or Change:* All the policies of insurance (and the certificates or other evidence thereof) required to be purchased and maintained in accordance with this Paragraph 6.05 will contain a provision or endorsement that the coverage afforded will not be canceled or materially changed or renewal refused until at least ten (10) days prior written notice has been given to the purchasing policyholder. Within three days of receipt of any such written notice, the purchasing policyholder shall provide a copy of the notice to each other insured.
- C. *Deductibles:* Deductible amounts shall be shared proportionally amongst the parties responsible for damages.
- D. *Partial Occupancy or Use by Owner:* If Owner will occupy or use a portion or portions of the Work prior to Substantial Completion of all the Work as provided in Paragraph 15.04, then Owner (directly, if it is the purchaser of the builder's risk policy, or through Contractor) will provide notice of such occupancy or use to the builder's risk insurer. The builder's risk insurance shall not be canceled or permitted to lapse on account of any such partial use or occupancy; rather, those portions of the Work that are occupied or used by Owner may come off the builder's risk policy, while those portions of the Work not yet occupied or used by Owner shall remain covered by the builder's risk insurance.
- E. *Additional Insurance:* If Contractor elects to obtain other special insurance to be included in or supplement the builder's risk or property insurance policies provided under this Paragraph 6.05, it may do so at Contractor's expense.

- F. *Insurance of Other Property:* If the express insurance provisions of the Contract do not require or address the insurance of a property item or interest, such as tools, construction equipment, or other personal property owned by Contractor, a Subcontractor, or an employee of Contractor or a Subcontractor, then the entity or individual owning such property item will be responsible for deciding whether to insure it, and if so in what amount.

6.06 *Waiver of Rights*

- A. All policies purchased in accordance with Paragraph 6.05, expressly including the builder's risk policy, shall contain provisions to the effect that in the event of payment of any loss or damage the insurers will have no rights of recovery against any insureds thereunder, or against Engineer or its consultants, or their officers, directors, members, partners, employees, agents, consultants, or subcontractors. Owner and Contractor waive all rights against each other and the respective officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, for all losses and damages caused by, arising out of, or resulting from any of the perils or causes of loss covered by such policies and any other property insurance applicable to the Work; and, in addition, waive all such rights against Engineer, its consultants, all Subcontractors, all individuals or entities identified in the Supplementary Conditions as insureds, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, under such policies for losses and damages so caused. None of the above waivers shall extend to the rights that any party making such waiver may have to the proceeds of insurance held by Owner or Contractor as trustee or fiduciary, or otherwise payable under any policy so issued.
- B. Owner waives all rights against Contractor, Subcontractors, and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them, for:
1. loss or damage to the completed Project or part thereof caused by, arising out of, or resulting from fire or other insured peril or cause of loss covered by any property insurance maintained on the completed Project or part thereof by Owner during partial occupancy or use pursuant to Paragraph 15.04, after Substantial Completion pursuant to Paragraph 15.03, or after final payment pursuant to Paragraph 15.06.
- C. With respect to paragraph 6.06.A. of the General Conditions, relating to waivers of rights based on insurance coverages, such waivers shall be applicable only to the extent of coverages actually paid by any insurer. However, in the event Contractor fails to obtain insurance in accordance with the Contract Documents, Contractor shall defend, indemnify and hold Owner harmless from any such claims that would have been covered by insurance, and Contractor shall have no right to recover against Owner or any other person or entity as a result of or arising from Contractor's failure to obtain insurance as required.
- With respect to paragraph 6.06.B.2. of the General Conditions, the waiver contained in said provision shall be limited to the extent of loss or damage arising out of or resulting from fire or other insured peril or cause of loss, but only to the extent covered by insurance and actually paid by an insurer.
- D. Contractor shall be responsible for assuring that the agreement under which a Subcontractor performs a portion of the Work contains provisions whereby the Subcontractor waives all rights against Owner, Contractor, all individuals or entities identified in the Supplementary Conditions as insureds, the Engineer and its consultants, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, for all losses and damages caused by, arising out of, relating to, or resulting from any of the perils or causes of loss covered by builder's risk insurance and any other property insurance applicable to the Work.

6.07 *Receipt and Application of Property Insurance Proceeds*

- A. Any insured loss under the builder's risk and other policies of insurance required by Paragraph 6.05 will be adjusted and settled with the named insured that purchased the policy. Such named insured shall act as fiduciary for the other insureds, and give notice to such other insureds that adjustment and settlement of a claim is in progress. Any other insured may state its position regarding a claim for insured loss in writing within fifteen (15) days after notice of such claim.

- B. Proceeds for such insured losses may be made payable by the insurer either jointly to multiple insureds, or to the named insured that purchased the policy in its own right and as fiduciary for other insureds, subject to the requirements of any applicable mortgage clause. A named insured receiving insurance proceeds under the builder's risk and other policies of insurance required by Paragraph 6.05 shall distribute such proceeds in accordance with such agreement as the parties in interest may reach, or as otherwise required under the dispute resolution provisions of this Contract or applicable Laws and Regulations.
- C. If no other special agreement is reached, the damaged Work shall be repaired or replaced, the money so received applied on account thereof, and the Work and the cost thereof covered by Change Order, if needed.

ARTICLE 7 – CONTRACTOR'S RESPONSIBILITIES

7.01 *Supervision and Superintendence*

- A. Contractor shall supervise, inspect, and direct the Work competently and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the Work in accordance with the Contract Documents. Contractor shall be solely responsible for the means, methods, techniques, sequences, and procedures of construction.
- B. At all times during the progress of the Work, Contractor shall assign a competent resident superintendent who shall not be replaced without written notice to Owner and Engineer except under extraordinary circumstances.

7.02 *Labor; Working Hours*

- A. Contractor shall provide competent, suitably qualified personnel to survey and lay out the Work and perform construction as required by the Contract Documents. Contractor shall at all times maintain good discipline and order at the Site.
- B. Except as otherwise required for the safety or protection of persons or the Work or property at the Site or adjacent thereto, and except as otherwise stated in the Contract Documents, all Work at the Site shall be performed during regular working hours, Monday through Friday. Contractor will not perform Work on a Saturday, Sunday, or any legal holiday. Contractor may perform Work outside regular working hours or on Saturdays, Sundays, or legal holidays only with Owner's written consent, which will not be unreasonably withheld.
- C. Unless different hours are provided in the Project documents or engineering specifications, regular working hours are defined as eight (8) hours per day, Monday through Friday, excluding holidays, between the hours of 7:00 AM and 7:00 PM. Requests to work other than regular working hours shall be submitted to Owner not less than forty-eight (48) hours prior to any proposed weekend work or scheduled extended work weeks. Occasional unscheduled overtime on weekdays may be permitted provided two (2) hours' notice is given to Owner.
- D. Contractor shall reimburse Owner for additional engineering and/or inspection costs incurred as a result of overtime work in excess of the regular working hours stipulated in Paragraph 7.02.C. At Owner's option, such overtime costs may either be deducted from the Contractor's monthly payment request or deducted from Contractor's retention prior to release of final payment. Overtime costs for Owner's personnel shall be based on the individual's current overtime wage rate. Overtime costs for personnel employed by Engineer or Owner's independent testing laboratory shall be calculated in accordance with the terms of their respective contracts with Owner.

7.03 *Services, Materials, and Equipment*

- A. Unless otherwise specified in the Contract Documents, Contractor shall provide and assume full responsibility for all services, materials, equipment, labor, transportation, construction equipment and machinery, tools, appliances, fuel, power, light, heat, telephone, water, sanitary facilities, temporary

facilities, and all other facilities and incidentals necessary for the performance, testing, start up, and completion of the Work, whether or not such items are specifically called for in the Contract Documents.

- B. All materials and equipment incorporated into the Work shall be of good quality and new, except as otherwise provided in the Contract Documents. All special warranties and guarantees required by the Specifications shall expressly run to the benefit of Owner. Contractor shall perform the Work in such a manner as to preserve any and all manufacturer's warranties. Upon final completion of the Work, Contractor shall assign to Owner any and all manufacturer's warranties relating to materials and labor used in the Work. If required by Engineer, Contractor shall furnish satisfactory evidence (including reports of required tests) as to the source, kind, and quality of materials and equipment.
- C. All materials and equipment shall be stored, applied, installed, connected, erected, protected, used, cleaned, and conditioned in accordance with instructions of the applicable Supplier, except as otherwise may be provided in the Contract Documents.

7.04 "Or Equals"

- A. Whenever an item of material or equipment is specified or described in the Contract Documents by using the name of a proprietary item or the name of a particular Supplier, the Contract Price has been based upon Contractor furnishing such item as specified. The specification or description of such an item is intended to establish the type, function, appearance, and quality required. Unless the specification or description contains or is followed by words reading that no like, equivalent, or "or equal" item is permitted, Contractor may request that Engineer authorize the use of other items of material or equipment, or items from other proposed suppliers under the circumstances described below.
 - 1. If Engineer in its sole discretion determines that an item of material or equipment proposed by Contractor is functionally equal to that named and sufficiently similar so that no change in related Work will be required, Engineer shall deem it an "or equal" item. For the purposes of this paragraph, a proposed item of material or equipment will be considered functionally equal to an item so named if:
 - a. in the exercise of reasonable judgment Engineer determines that:
 - 1) it is at least equal in materials of construction, quality, durability, appearance, strength, and design characteristics;
 - 2) it will reliably perform at least equally well the function and achieve the results imposed by the design concept of the completed Project as a functioning whole;
 - 3) it has a proven record of performance and availability of responsive service; and
 - 4) it is not objectionable to Owner.
 - b. Contractor certifies that, if approved and incorporated into the Work:
 - 1) there will be no increase in cost to the Owner or increase in Contract Times; and
 - 2) it will conform substantially to the detailed requirements of the item named in the Contract Documents.
- B. *Contractor's Expense:* Contractor shall provide all data in support of any proposed "or equal" item at Contractor's expense.
- C. *Engineer's Evaluation and Determination:* Engineer will be allowed a reasonable time to evaluate each "or-equal" request. Engineer may require Contractor to furnish additional data about the proposed "or-equal" item. Engineer will be the sole judge of acceptability. No "or-equal" item will be ordered, furnished, installed, or utilized until Engineer's review is complete and Engineer determines that the proposed item is an "or-equal", which will be evidenced by an approved Shop Drawing or other written communication. Engineer will advise Contractor in writing of any negative determination.

- D. *Effect of Engineer's Determination:* Neither approval nor denial of an "or-equal" request shall result in any change in Contract Price. The Engineer's denial of an "or-equal" request shall be final and binding, and may not be reversed through an appeal under any provision of the Contract Documents.
- E. *Treatment as a Substitution Request:* If Engineer determines that an item of material or equipment proposed by Contractor does not qualify as an "or-equal" item, Contractor may request that Engineer considered the proposed item as a substitute pursuant to Paragraph 7.05.

7.05 Substitutes

- A. Unless the specification or description of an item of material or equipment required to be furnished under the Contract Documents contains or is followed by words reading that no substitution is permitted, Contractor may request that Engineer authorize the use of other items of material or equipment under the circumstances described below. To the extent possible such requests shall be made before commencement of related construction at the Site.
 - 1. Contractor shall submit sufficient information as provided below to allow Engineer to determine if the item of material or equipment proposed is functionally equivalent to that named and an acceptable substitute therefor. Engineer will not accept requests for review of proposed substitute items of material or equipment from anyone other than Contractor.
 - 2. The requirements for review by Engineer will be as set forth in Paragraph 7.05.B, as supplemented by the Specifications, and as Engineer may decide is appropriate under the circumstances.
 - 3. Contractor shall make written application to Engineer for review of a proposed substitute item of material or equipment that Contractor seeks to furnish or use. The application:
 - a. shall certify that the proposed substitute item will:
 - 1) perform adequately the functions and achieve the results called for by the general design,
 - 2) be similar in substance to that specified, and
 - 3) be suited to the same use as that specified.
 - b. will state:
 - 1) the extent, if any, to which the use of the proposed substitute item will necessitate a change in Contract Times,
 - 2) whether use of the proposed substitute item in the Work will require a change in any of the Contract Documents (or in the provisions of any other direct contract with Owner for other work on the Project) to adapt the design to the proposed substitute item, and
 - 3) whether incorporation or use of the proposed substitute item in connection with the Work is subject to payment of any license fee or royalty.
 - c. will identify:
 - 1) all variations of the proposed substitute item from that specified, and
 - 2) available engineering, sales, maintenance, repair, and replacement services.
 - d. shall contain an itemized estimate of all costs or credits that will result directly or indirectly from use of such substitute item, including but not limited to changes in Contract Price, shared savings, costs of redesign, and claims of other contractors affected by any resulting change.
- B. *Engineer's Evaluation and Determination:* Engineer will be allowed a reasonable time to evaluate each substitute request, and to obtain comments and direction from Owner. Engineer may require Contractor to furnish additional data about the proposed substitute item. Engineer will be the sole judge of acceptability. No substitute will be ordered, furnished, installed, or utilized until Engineer's review is complete and Engineer determines that the proposed item is an acceptable substitute. Engineer's determination will be evidenced by a Field Order or a proposed Change Order accounting for the

substitution itself and all related impacts, including changes in Contract Price or Contract Times. Engineer will advise Contractor in writing of any negative determination.

- C. *Special Guarantee:* Owner may require Contractor to furnish at Contractor's expense a special performance guarantee or other surety with respect to any substitute.
- D. *Reimbursement of Engineer's Cost:* Engineer will record Engineer's costs in evaluating a substitute proposed or submitted by Contractor. Whether or not Engineer approves a substitute so proposed or submitted by Contractor, Contractor shall reimburse Owner for the reasonable charges of Engineer for evaluating each such proposed substitute. Contractor shall also reimburse Owner for the reasonable charges of Engineer for making changes in the Contract Documents (or in the provisions of any other direct contract with Owner) resulting from the acceptance of each proposed substitute.
- E. *Contractor's Expense:* Contractor shall provide all data in support of any proposed substitute at Contractor's expense.
- F. *Effect of Engineer's Determination:* If Engineer approves the substitution request, Contractor shall execute the proposed Change Order and proceed with the substitution. The Engineer's denial of a substitution request shall be final and binding, and may not be reversed through an appeal under any provision of the Contract Documents. Contractor may challenge the scope of reimbursement costs imposed under Paragraph 7.05.D, by timely submittal of a Change Proposal.

7.06 *Concerning Subcontractors, Suppliers, and Others*

- A. Contractor may retain Subcontractors and Suppliers for the performance of parts of the Work. Such Subcontractors and Suppliers must be acceptable to Owner. Contractor shall ensure that its Subcontracts specifically provide that Owner is an intended third-party beneficiary of the subcontract.
- B. Contractor shall retain specific Subcontractors, Suppliers, or other individuals or entities for the performance of designated parts of the Work if required by the Contract to do so.
- C. Subsequent to the submittal of Contractor's Bid or final negotiation of the terms of the Contract, Owner may not require Contractor to retain any Subcontractor, Supplier, or other individual or entity to furnish or perform any of the Work against which Contractor has reasonable objection.
- D. Prior to entry into any binding subcontract or purchase order, Contractor shall submit to Owner the identity of the proposed Subcontractor or Supplier (unless Owner has already deemed such proposed Subcontractor or Supplier acceptable, during the bidding process or otherwise). Such proposed Subcontractor or Supplier shall be deemed acceptable to Owner unless Owner raises a substantive, reasonable objection within five days.
- E. Owner may require the replacement of any Subcontractor, Supplier, or other individual or entity retained by Contractor to perform any part of the Work. Owner also may require Contractor to retain specific replacements; provided, however, that Owner may not require a replacement to which Contractor has a reasonable objection. If Contractor has submitted the identity of certain Subcontractors, Suppliers, or other individuals or entities for acceptance by Owner, and Owner has accepted it (either in writing or by failing to make written objection thereto), then Owner may subsequently revoke the acceptance of any such Subcontractor, Supplier, or other individual or entity so identified solely on the basis of substantive, reasonable objection after due investigation. Contractor shall submit an acceptable replacement for the rejected Subcontractor, Supplier, or other individual or entity.
- F. If Owner requires the replacement of any Subcontractor, Supplier, or other individual or entity retained by Contractor to perform any part of the Work, then Contractor shall be entitled to an adjustment in Contract Price or Contract Times, or both, with respect to the replacement; and Contractor shall initiate a Change Proposal for such adjustment within thirty (30) days of Owner's requirement of replacement.
- G. No acceptance by Owner of any such Subcontractor, Supplier, or other individual or entity, whether initially or as a replacement, shall constitute a waiver of the right of Owner to reject defective Work and require the completion of the Work in accordance with the Contract Documents.

- H. On a monthly basis with each Application for Payment Contractor shall submit to Engineer a complete list of all Subcontractors and Suppliers having a direct contract with Contractor, and of all other Subcontractors and Suppliers known to Contractor at the time of submittal. Owner or Engineer may furnish to any such Subcontractor or Supplier, or to any construction lender or capital partner, information about amounts paid to Contractor on behalf of such Subcontractor or Supplier in accordance with Contractor's Applications for Payment.
- I. Contractor shall be fully responsible to Owner and Engineer for all acts and omissions of the Subcontractors, Suppliers, and other individuals or entities performing or furnishing any of the Work just as Contractor is responsible for Contractor's own acts and omissions.
- J. Contractor shall be solely responsible for scheduling and coordinating the work of Subcontractors, Suppliers, and all other individuals or entities performing or furnishing any of the Work.
- K. Contractor shall restrict all Subcontractors, Suppliers, and such other individuals or entities performing or furnishing any of the Work from communicating with Engineer or Owner, except through Contractor or in case of an emergency, or as otherwise expressly allowed herein.
- L. The divisions and sections of the Specifications and the identifications of any Drawings shall not control Contractor in dividing the Work among Subcontractors or Suppliers or delineating the Work to be performed by any specific trade.
- M. All Work performed for Contractor by a Subcontractor or Supplier shall be pursuant to an appropriate contractual agreement that specifically binds the Subcontractor or Supplier to the applicable terms and conditions of the Contract Documents for the benefit of Owner and Engineer.
- N. Owner may furnish to any Subcontractor or Supplier, to the extent practicable, information about amounts paid to Contractor on account of Work performed for Contractor by the particular Subcontractor or Supplier.
- O. Nothing in the Contract Documents:
 - 1. shall create for the benefit of any such Subcontractor, Supplier, or other individual or entity any contractual relationship between Owner or Engineer and any such Subcontractor, Supplier, or other individual or entity; nor
 - 2. shall create any obligation on the part of Owner or Engineer to pay or to see to the payment of any money due any such Subcontractor, Supplier, or other individual or entity except as may otherwise be required by Laws and Regulations.

7.07 *Patent Fees and Royalties*

- A. Contractor shall pay all license fees and royalties and assume all costs incident to the use in the performance of the Work or the incorporation in the Work of any invention, design, process, product, or device which is the subject of patent rights or copyrights held by others. If a particular invention, design, process, product, or device is specified in the Contract Documents for use in the performance of the Work and if, to the actual knowledge of Owner or Engineer, its use is subject to patent rights or copyrights calling for the payment of any license fee or royalty to others, the existence of such rights shall be disclosed by Owner in the Contract Documents.
- B. To the fullest extent permitted by Laws and Regulations, Owner shall indemnify and hold harmless Contractor, and its officers, directors, members, partners, employees, agents, consultants, and subcontractors from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court or arbitration or other dispute resolution costs) arising out of or relating to any infringement of patent rights or copyrights incident to the use in the performance of the Work or resulting from the incorporation in the Work of any invention, design, process, product, or device specified in the Contract Documents, but not identified as being subject to payment of any license fee or royalty to others required by patent rights or copyrights.

- C. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to any infringement of patent rights or copyrights incident to the use in the performance of the Work or resulting from the incorporation in the Work of any invention, design, process, product, or device not specified in the Contract Documents.

7.08 *Permits*

- A. Unless otherwise provided in the Contract Documents, Contractor shall obtain and pay for all construction permits and licenses identified in the Engineer specifications. Owner shall assist Contractor, when necessary, in obtaining such permits and licenses. Contractor shall pay all governmental charges and inspection fees necessary for the prosecution of the Work which are applicable at the time of the submission of Contractor's Bid (or when Contractor became bound under a negotiated contract). Owner shall pay all charges of utility owners for connections for providing permanent service to the Work

7.09 *Taxes*

- A. Contractor shall pay all sales, consumer, use, and other similar taxes required to be paid by Contractor in accordance with the Laws and Regulations of the place of the Project which are applicable during the performance of the Work.

7.10 *Laws and Regulations*

- A. Contractor shall give all notices required by and shall comply with all Laws and Regulations applicable to the performance of the Work. Except where otherwise expressly required by applicable Laws and Regulations, neither Owner nor Engineer shall be responsible for monitoring Contractor's compliance with any Laws or Regulations.
- B. If Contractor performs any Work or takes any other action knowing or having reason to know that it is contrary to Laws or Regulations, Contractor shall bear all resulting costs and losses, and shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such Work or other action. It shall not be Contractor's responsibility to make certain that the Work described in the Contract Documents is in accordance with Laws and Regulations, but this shall not relieve Contractor of Contractor's obligations under Paragraph 3.03.
- C. Owner or Contractor may give notice to the other party of any changes after the submission of Contractor's Bid (or after the date when Contractor became bound under a negotiated contract) in Laws or Regulations having an effect on the cost or time of performance of the Work, including but not limited to changes in Laws or Regulations having an effect on procuring permits and on sales, use, value-added, consumption, and other similar taxes. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in Contract Price or Contract Times resulting from such changes, then within thirty (30) days of such notice Contractor may submit a Change Proposal, or Owner may initiate a Claim.

7.11 *Record Documents*

- A. The record documents kept at the site shall be used to prepare a final "record" set of drawings conforming to recognized standards of drafting which shall be neat and legible for purposes of future reference. Partial record drawings shall be submitted to Engineer with each pay request. Submitted record drawings and quantities shall conform to the information contained within the "Daily Reports" signed by the Contractor and the Owner's inspector. An exception shall be made for the first pay request, and any

subsequent pay request at the discretion of the Engineer. Release of retainage shall be withheld from the final payment until acceptance of the final "record" set of drawings by the Owner.

7.12 Safety and Protection

- A. Contractor shall be solely responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the Work. Such responsibility does not relieve Subcontractors of their responsibility for the safety of persons or property in the performance of their work, nor for compliance with applicable safety Laws and Regulations. Contractor shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury, or loss to:
 - 1. all persons on the Site or who may be affected by the Work;
 - 2. all the Work and materials and equipment to be incorporated therein, whether in storage on or off the Site; and
 - 3. other property at the Site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, other work in progress, utilities, and Underground Facilities not designated for removal, relocation, or replacement in the course of construction.
- B. Contractor shall comply with all applicable Laws and Regulations relating to the safety of persons or property, or to the protection of persons or property from damage, injury, or loss; and shall erect and maintain all necessary safeguards for such safety and protection. Contractor shall notify Owner; the owners of adjacent property, Underground Facilities, and other utilities; and other contractors and utility owners performing work at or adjacent to the Site, when prosecution of the Work may affect them, and shall cooperate with them in the protection, removal, relocation, and replacement of their property or work in progress.
- C. Contractor shall comply with the applicable requirements of Owner's safety programs, if any. The Supplementary Conditions identify any Owner's safety programs that are applicable to the Work.
- D. Contractor shall inform Owner and Engineer of the specific requirements of Contractor's safety program with which Owner's and Engineer's employees and representatives must comply while at the Site. Owner shall not, under any circumstances, be deemed to have assumed any responsibility for safety methods, procedures or materials unless Owner expressly agrees to do so in a writing signed by Owner.
- E. All damage, injury, or loss to any property referred to in Paragraph 7.12.A.2 or 7.12.A.3 caused, directly or indirectly, in whole or in part, by Contractor, any Subcontractor, Supplier, or any other individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable, shall be remedied by Contractor at its expense (except damage or loss attributable to the fault of Drawings or Specifications or to the acts or omissions of Owner or Engineer or anyone employed by any of them, or anyone for whose acts any of them may be liable, and not attributable, directly or indirectly, in whole or in part, to the fault or negligence of Contractor or any Subcontractor, Supplier, or other individual or entity directly or indirectly employed by any of them).
- F. Contractor's duties and responsibilities for safety and protection shall continue until such time as all the Work is completed and Engineer has issued a notice to Owner and Contractor in accordance with Paragraph 15.06.B that the Work is acceptable (except as otherwise expressly provided in connection with Substantial Completion).
- G. Contractor's duties and responsibilities for safety and protection shall resume whenever Contractor or any Subcontractor or Supplier returns to the Site to fulfill warranty or correction obligations, or to conduct other tasks arising from the Contract Documents.

7.13 Safety Representative

- A. Contractor shall designate a qualified and experienced safety representative at the Site whose duties and responsibilities shall be the prevention of accidents and the maintaining and supervising of safety precautions and programs.

7.14 *Hazard Communication Programs*

- A. Contractor shall be responsible for coordinating any exchange of material safety data sheets or other hazard communication information required to be made available to or exchanged between or among employers at the Site in accordance with Laws or Regulations.

7.15 *Emergencies*

- A. In emergencies affecting the safety or protection of persons or the Work or property at the Site or adjacent thereto, Contractor is obligated to act to prevent threatened damage, injury, or loss. Contractor shall give Engineer prompt written notice if Contractor believes that any significant changes in the Work or variations from the Contract Documents have been caused thereby or are required as a result thereof. If Engineer determines that the incident giving rise to the emergency action was not the responsibility of Contractor and that a change in the Contract Documents is required because of the action taken by Contractor in response to such an emergency, a Work Change Directive or Change Order will be issued.

7.16 *Shop Drawings, Samples, and Other Submittals*

A. *Shop Drawing and Sample Submittal Requirements:*

1. Before submitting a Shop Drawing or Sample, Contractor shall have:
 - a. reviewed and coordinated the Shop Drawing or Sample with other Shop Drawings and Samples and with the requirements of the Work and the Contract Documents;
 - b. determined and verified all field measurements, quantities, dimensions, specified performance and design criteria, installation requirements, materials, catalog numbers, and similar information with respect thereto;
 - c. determined and verified the suitability of all materials and equipment offered with respect to the indicated application, fabrication, shipping, handling, storage, assembly, and installation pertaining to the performance of the Work; and
 - d. determined and verified all information relative to Contractor's responsibilities for means, methods, techniques, sequences, and procedures of construction, and safety precautions and programs incident thereto.
2. Each submittal shall bear a stamp or specific written certification that Contractor has satisfied Contractor's obligations under the Contract Documents with respect to Contractor's review of that submittal, and that Contractor approves the submittal.
3. With each submittal, Contractor shall give Engineer specific written notice of any variations that the Shop Drawing or Sample may have from the requirements of the Contract Documents. This notice shall be set forth in a written communication separate from the Shop Drawings or Sample submittal; and, in addition, in the case of Shop Drawings by a specific notation made on each Shop Drawing submitted to Engineer for review and approval of each such variation.

- B. *Submittal Procedures for Shop Drawings and Samples:* Contractor shall submit Shop Drawings and Samples to Engineer for review and approval in accordance with the accepted Schedule of Submittals. Each submittal will be identified as Engineer may require.

1. *Shop Drawings:*

- a. Contractor shall submit the number of copies required in the Specifications.
- b. Data shown on the Shop Drawings will be complete with respect to quantities, dimensions, specified performance and design criteria, materials, and similar data to show Engineer the services, materials, and equipment Contractor proposes to provide and to enable Engineer to review the information for the limited purposes required by Paragraph 7.16.D.

2. *Samples:*

- a. Contractor shall submit the number of Samples required in the Specifications.

- b. Contractor shall clearly identify each Sample as to material, Supplier, pertinent data such as catalog numbers, the use for which intended and other data as Engineer may require to enable Engineer to review the submittal for the limited purposes required by Paragraph 7.16.D.
 3. Where a Shop Drawing or Sample is required by the Contract Documents or the Schedule of Submittals, any related Work performed prior to Engineer's review and approval of the pertinent submittal will be at the sole expense and responsibility of Contractor.
- C. *Other Submittals:* Contractor shall submit other submittals to Engineer in accordance with the accepted Schedule of Submittals, and pursuant to the applicable terms of the Specifications.
- D. *Engineer's Review:*
 1. Engineer will provide timely review of Shop Drawings and Samples in accordance with the Schedule of Submittals acceptable to Engineer. Engineer's review and approval will be only to determine if the items covered by the submittals will, after installation or incorporation in the Work, conform to the information given in the Contract Documents and be compatible with the design concept of the completed Project as a functioning whole as indicated by the Contract Documents.
 2. Engineer's review and approval will not extend to means, methods, techniques, sequences, or procedures of construction or to safety precautions or programs incident thereto.
 3. Engineer's review and approval of a separate item as such will not indicate approval of the assembly in which the item functions.
 4. Engineer's review and approval of a Shop Drawing or Sample shall not relieve Contractor from responsibility for any variation from the requirements of the Contract Documents unless Contractor has complied with the requirements of Paragraph 7.16.A.3 and Engineer has given written approval of each such variation by specific written notation thereof incorporated in or accompanying the Shop Drawing or Sample. Engineer will document any such approved variation from the requirements of the Contract Documents in a Field Order.
 5. Engineer's review and approval of a Shop Drawing or Sample shall not relieve Contractor from responsibility for complying with the requirements of Paragraph 7.16.A and B.
 6. Engineer's review and approval of a Shop Drawing or Sample, or of a variation from the requirements of the Contract Documents, shall not, under any circumstances, change the Contract Times or Contract Price, unless such changes are included in a Change Order.
 7. Neither Engineer's receipt, review, acceptance or approval of a Shop Drawing, Sample, or other submittal shall result in such item becoming a Contract Document.
 8. Contractor shall perform the Work in compliance with the requirements and commitments set forth in approved Shop Drawings and Samples, subject to the provisions of Paragraph 7.16.D.4.
- E. *Resubmittal Procedures:*
 1. Contractor shall make corrections required by Engineer and shall return the required number of corrected copies of Shop Drawings and submit, as required, new Samples for review and approval. Contractor shall direct specific attention in writing to revisions other than the corrections called for by Engineer on previous submittals.
 2. Contractor shall furnish required submittals with sufficient information and accuracy to obtain required approval of an item with no more than three submittals. Engineer will record Engineer's time for reviewing a fourth or subsequent submittal of a Shop Drawings, sample, or other item requiring approval, and Contractor shall be responsible for Engineer's charges to Owner for such time. Owner may impose a set-off against payments due to Contractor to secure reimbursement for such charges.
 3. If Contractor requests a change of a previously approved submittal item, Contractor shall be responsible for Engineer's charges to Owner for its review time, and Owner may impose a set-off

against payments due to Contractor to secure reimbursement for such charges, unless the need for such change is beyond the control of Contractor.

7.17 Contractor's General Warranty and Guarantee

- A. Contractor warrants and guarantees to Owner that all Work will be in accordance with the Contract Documents and will not be defective. Engineer and its officers, directors, members, partners, employees, agents, consultants, and subcontractors shall be entitled to rely on Contractor's warranty and guarantee.
- B. Contractor's warranty and guarantee hereunder excludes defects or damage caused by:
 - 1. abuse, modification, or improper maintenance or operation by persons other than Contractor, Subcontractors, Suppliers, or any other individual or entity for whom Contractor is responsible; or
 - 2. normal wear and tear under normal usage.
- C. Contractor's obligation to perform and complete the Work in accordance with the Contract Documents shall be absolute. None of the following will constitute an acceptance of Work that is not in accordance with the Contract Documents or a release of Contractor's obligation to perform the Work in accordance with the Contract Documents:
 - 1. observations by Engineer;
 - 2. recommendation by Engineer or payment by Owner of any progress or final payment;
 - 3. the issuance of a certificate of Substantial Completion by Engineer or any payment related thereto by Owner;
 - 4. use or occupancy of the Work or any part thereof by Owner;
 - 5. any review and approval of a Shop Drawing or Sample submittal;
 - 6. the issuance of a notice of acceptability by Engineer;
 - 7. any inspection, test, or approval by others; or
 - 8. any correction of defective Work by Owner.
- D. If the Contract requires the Contractor to accept the assignment of a contract entered into by Owner, then the specific warranties, guarantees, and correction obligations contained in the assigned contract shall govern with respect to Contractor's performance obligations to Owner for the Work described in the assigned contract.

7.18 Indemnification

- A. Indemnification. To the fullest extent permitted by law, Contractor shall indemnify and hold harmless Owner, along with Owner's agents, employees and principals (individually referred to as an "indemnitee"), from and against any and all claims, damages, losses and expenses, including but not limited to attorneys' fees, arising out of or resulting from performance of the Work, provided that such claim, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself), caused in whole or in part by the negligent or intentional acts or omissions of Contractor, or any of Contractor's subcontractors, sub-subcontractors, materialmen, or agents of any tier or their respective employees, regardless of whether or not the indemnitee seeking to enforce this right is also negligent. The foregoing provisions of this paragraph to the contrary notwithstanding, Contractor's liability to indemnify any indemnitee for that indemnitee's own negligent acts as set forth herein shall: (1.) be limited to \$2 million per occurrence, which Contractor and Owner agree is reasonable given the size of this Project and the amount of general liability coverage maintained by the parties, including umbrella coverage; (2.) be limited to the acts, omissions or defaults of Contractor, any of Contractor's subcontractors, and their respective employees, as well as any negligent acts of any indemnitee, or of any indemnified party, or its employees. The indemnification provided herein shall not include claims of, or damages resulting from, gross negligence, or willful, wanton or intentional misconduct or the indemnitee or its officers, directors, agents or employees, or for statutory violation or

punitive damages except and to the extent the statutory violation or punitive damages are caused by or result from the acts or omissions of the indemnitor or any of the indemnitor's subcontractors, sub-subcontractors, materialmen, or agents of any tier or their respective employees. The preceding provisions have been added specifically to memorialize Contractor's and Owner's intent that the provisions of this section shall be fully enforceable in accordance with the provisions of Section 725.06, Florida Statutes. This provision shall not limit and shall have no effect on Contractor's obligation to furnish insurance with the Owner named as an additional named insured.

- B. In any and all claims against Owner or Engineer or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors by any employee (or the survivor or personal representative of such employee) of Contractor, any Subcontractor, any Supplier, or any individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable, the indemnification obligation under Paragraph 7.18.A shall not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for Contractor or any such Subcontractor, Supplier, or other individual or entity under workers' compensation acts, disability benefit acts, or other employee benefit acts.
- C. The indemnification obligations of Contractor under Paragraph 7.18.A shall not extend to the liability of Engineer and Engineer's officers, directors, members, partners, employees, agents, consultants and subcontractors arising out of:
 - 1. the preparation or approval of, or the failure to prepare or approve maps, Drawings, opinions, reports, surveys, Change Orders, designs, or Specifications; or
 - 2. giving directions or instructions, or failing to give them, if that is the primary cause of the injury or damage.

7.19 *Delegation of Professional Design Services*

- A. Contractor will not be required to provide professional design services unless such services are specifically required by the Contract Documents for a portion of the Work or unless such services are required to carry out Contractor's responsibilities for construction means, methods, techniques, sequences and procedures. Contractor shall not be required to provide professional services in violation of applicable Laws and Regulations.
- B. If professional design services or certifications by a design professional related to systems, materials, or equipment are specifically required of Contractor by the Contract Documents, Owner and Engineer will specify all performance and design criteria that such services must satisfy. Contractor shall cause such services or certifications to be provided by a properly licensed professional, whose signature and seal shall appear on all drawings, calculations, specifications, certifications, and other submittals prepared by such professional. Shop Drawings and other submittals related to the Work designed or certified by such professional, if prepared by others, shall bear such professional's written approval when submitted to Engineer.
- C. Owner and Engineer shall be entitled to rely upon the adequacy, accuracy, and completeness of the services, certifications, or approvals performed by such design professionals, provided Owner and Engineer have specified to Contractor all performance and design criteria that such services must satisfy.
- D. Pursuant to this paragraph, Engineer's review and approval of design calculations and design drawings will be only for the limited purpose of checking for conformance with performance and design criteria given and the design concept expressed in the Contract Documents. Engineer's review and approval of Shop Drawings and other submittals (except design calculations and design drawings) will be only for the purpose stated in Paragraph 7.16.D.1.
- E. Contractor shall not be responsible for the adequacy of the performance or design criteria specified by Owner or Engineer.

ARTICLE 8 – OTHER WORK AT THE SITE

8.01 *Other Work*

- A. In addition to and apart from the Work under the Contract Documents, the Owner may perform other work at or adjacent to the Site. Such other work may be performed by Owner's employees, or through contracts between the Owner and third parties. Owner may also arrange to have third-party utility owners perform work on their utilities and facilities at or adjacent to the Site.
- B. If Owner performs other work at or adjacent to the Site with Owner's employees, or through contracts for such other work, then Owner shall give Contractor written notice thereof prior to starting any such other work. If Owner has advance information regarding the start of any utility work at or adjacent to the Site, Owner shall provide such information to Contractor.
- C. Contractor shall afford each other contractor that performs such other work, each utility owner performing other work, and Owner, if Owner is performing other work with Owner's employees, proper and safe access to the Site, and provide a reasonable opportunity for the introduction and storage of materials and equipment and the execution of such other work. Contractor shall do all cutting, fitting, and patching of the Work that may be required to properly connect or otherwise make its several parts come together and properly integrate with such other work. Contractor shall not endanger any work of others by cutting, excavating, or otherwise altering such work; provided, however, that Contractor may cut or alter others' work with the written consent of Engineer and the others whose work will be affected.
- D. If the proper execution or results of any part of Contractor's Work depends upon work performed by others under this Article 8, Contractor shall inspect such other work and promptly report to Engineer in writing any delays, defects, or deficiencies in such other work that render it unavailable or unsuitable for the proper execution and results of Contractor's Work. Contractor's failure to so report will constitute an acceptance of such other work as fit and proper for integration with Contractor's Work except for latent defects and deficiencies in such other work.

8.02 *Coordination*

- A. If Owner intends to contract with others for the performance of other work at or adjacent to the Site, to perform other work at or adjacent to the Site with Owner's employees, or to arrange to have utility owners perform work at or adjacent to the Site, the following will be set forth in the Supplementary Conditions or provided to Contractor prior to the start of any such other work:
 - 1. the identity of the individual or entity that will have authority and responsibility for coordination of the activities among the various contractors;
 - 2. an itemization of the specific matters to be covered by such authority and responsibility; and
 - 3. the extent of such authority and responsibilities.
- B. Unless otherwise provided in the Supplementary Conditions, Owner shall have sole authority and responsibility for such coordination.

8.03 *Legal Relationships*

- A. If, in the course of performing other work at or adjacent to the Site for Owner, the Owner's employees, any other contractor working for Owner, or any utility owner for whom the Owner is responsible causes damage to the Work or to the property of Contractor or its Subcontractors, or delays, disrupts, interferes with, or increases the scope or cost of the performance of the Work, through actions or inaction, then Contractor shall be entitled to an equitable adjustment in the Contract Price or the Contract Times, or both. Contractor must submit any Change Proposal seeking an equitable adjustment in the Contract Price or the Contract Times under this paragraph within 30 days of the damaging, delaying, disrupting, or interfering event. The entitlement to, and extent of, any such equitable adjustment shall take into account information (if any) regarding such other work that was provided to Contractor in the Contract Documents prior to the submittal of the Bid or the final negotiation of the terms of the Contract. When applicable,

any such equitable adjustment in Contract Price shall be conditioned on Contractor assigning to Owner all Contractor's rights against such other contractor or utility owner with respect to the damage, delay, disruption, or interference that is the subject of the adjustment. Contractor's entitlement to an adjustment of the Contract Times is conditioned on such adjustment being essential to Contractor's ability to complete the Work within the Contract Times.

- B. Contractor shall take reasonable and customary measures to avoid damaging, delaying, disrupting, or interfering with the work of Owner, any other contractor, or any utility owner performing other work at or adjacent to the Site. If Contractor fails to take such measures and as a result damages, delays, disrupts, or interferes with the work of any such other contractor or utility owner, then Owner may impose a set-off against payments due to Contractor, and assign to such other contractor or utility owner the Owner's contractual rights against Contractor with respect to the breach of the obligations set forth in this paragraph.
- C. When Owner is performing other work at or adjacent to the Site with Owner's employees, Contractor shall be liable to Owner for damage to such other work, and for the reasonable direct delay, disruption, and interference costs incurred by Owner as a result of Contractor's failure to take reasonable and customary measures with respect to Owner's other work. In response to such damage, delay, disruption, or interference, Owner may impose a set-off against payments due to Contractor.
- D. If Contractor damages, delays, disrupts, or interferes with the work of any other contractor, or any utility owner performing other work at or adjacent to the Site, through Contractor's failure to take reasonable and customary measures to avoid such impacts, or if any claim arising out of Contractor's actions, inactions, or negligence in performance of the Work at or adjacent to the Site is made by any such other contractor or utility owner against Contractor, Owner, or Engineer, then Contractor shall (1) promptly attempt to settle the claim as to all parties through negotiations with such other contractor or utility owner, or otherwise resolve the claim by arbitration or other dispute resolution proceeding or at law, and (2) indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them from and against any such claims, and against all costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such damage, delay, disruption, or interference.

ARTICLE 9 – OWNER'S RESPONSIBILITIES

9.01 *Communications to Contractor*

- A. Except as otherwise provided in these General Conditions, Owner shall issue all communications to Contractor through Engineer or Owner's designated representative.

9.02 *Replacement of Engineer*

- A. Owner may at its discretion appoint an engineer to replace Engineer. The replacement engineer's status under the Contract Documents shall be that of the former Engineer.

9.03 *Furnish Data*

- A. Owner shall promptly furnish the data required of Owner under the Contract Documents.

9.04 *Pay When Due*

- A. Owner shall make payments to Contractor when they are due as provided in the Agreement.

9.05 *Lands and Easements; Reports, Tests, and Drawings*

- A. Owner's duties with respect to providing lands and easements are set forth in Paragraph 5.01.
- B. Owner's duties with respect to providing engineering surveys to establish reference points are set forth in Paragraph 4.03.

- C. Article 5 refers to Owner's identifying and making available to Contractor copies of reports of explorations and tests of conditions at the Site, and drawings of physical conditions relating to existing surface or subsurface structures at the Site.

9.06 *Insurance*

- A. Owner's responsibilities, if any, with respect to purchasing and maintaining liability and property insurance are set forth in Article 6.

9.07 *Change Orders*

- A. Owner's responsibilities with respect to Change Orders are set forth in Article 11.

9.08 *Inspections, Tests, and Approvals*

- A. Owner's responsibility with respect to certain inspections, tests, and approvals is set forth in Paragraph 14.02.B.

9.09 *Limitations on Owner's Responsibilities*

- A. The Owner shall not supervise, direct, or have control or authority over, nor be responsible for, Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work. Owner will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.

9.10 *Undisclosed Hazardous Environmental Condition*

- A. Owner's responsibility in respect to an undisclosed Hazardous Environmental Condition is set forth in Paragraph 5.06.

9.11 *Evidence of Financial Arrangements*

- A. Upon request of Contractor, Owner shall furnish Contractor reasonable evidence that financial arrangements have been made to satisfy Owner's obligations under the Contract Documents (including obligations under proposed changes in the Work).

9.12 *Safety Programs*

- A. While at the Site, Owner's employees and representatives shall comply with the specific applicable requirements of Contractor's safety programs of which Owner has been informed.
- B. Owner shall furnish copies of any applicable Owner safety programs to Contractor.

ARTICLE 10 – ENGINEER'S STATUS DURING CONSTRUCTION

10.01 *Owner's Representative*

- A. Engineer will be Owner's representative during the construction period. The duties and responsibilities and the limitations of authority of Engineer as Owner's representative during construction are set forth in the Contract Documents.

10.02 *Visits to Site*

- A. Engineer will make visits to the Site at intervals appropriate to the various stages of construction as Engineer deems necessary in order to observe as an experienced and qualified design professional the progress that has been made and the quality of the various aspects of Contractor's executed Work. Based on information obtained during such visits and observations, Engineer, for the benefit of Owner, will determine, in general, if the Work is proceeding in accordance with the Contract Documents. Engineer will not be required to make exhaustive or continuous inspections on the Site to check the quality or quantity of the Work. Engineer's efforts will be directed toward providing for Owner a greater degree of confidence that the completed Work will conform generally to the Contract Documents. On the basis of

such visits and observations, Engineer will keep Owner informed of the progress of the Work and will endeavor to guard Owner against defective Work.

- B. Engineer's visits and observations are subject to all the limitations on Engineer's authority and responsibility set forth in Paragraph 10.08. Particularly, but without limitation, during or as a result of Engineer's visits or observations of Contractor's Work, Engineer will not supervise, direct, control, or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work.

10.03 *Project Representative*

- A. If Owner and Engineer have agreed that Engineer will furnish a Resident Project Representative to represent Engineer at the Site and assist Engineer in observing the progress and quality of the Work, then the authority and responsibilities of any such Resident Project Representative will be as provided in a document provided to Contractor prior to the start of the Work, and limitations on the responsibilities thereof will be as provided in paragraph 10.08. If Owner designates another representative or agent to represent Owner at the Site who is not Engineer's consultant, agent, or employee, the responsibilities and authority and limitations thereon of such other individual or entity will be as provided in a document provided to Contractor prior to the start of the Work. Engineer shall not have the authority to legally bind Owner unless Owner expressly grants Engineer such authority in a signed writing.

10.04 *Rejecting Defective Work*

- A. Engineer has the authority to reject Work in accordance with Article 14.

10.05 *Shop Drawings, Change Orders and Payments*

- A. Engineer's authority, and limitations thereof, as to Shop Drawings and Samples, are set forth in Paragraph 7.16.
- B. Engineer's authority, and limitations thereof, as to design calculations and design drawings submitted in response to a delegation of professional design services, if any, are set forth in Paragraph 7.19.
- C. Engineer's authority as to Change Orders is set forth in Article 11.
- D. Engineer's authority as to Applications for Payment is set forth in Article 15.

10.06 *Determinations for Unit Price Work*

- A. Engineer will determine the actual quantities and classifications of Unit Price Work performed by Contractor as set forth in Paragraph 13.03.

10.07 *Decisions on Requirements of Contract Documents and Acceptability of Work*

- A. Engineer will render decisions regarding the requirements of the Contract Documents, and judge the acceptability of the Work, pursuant to the specific procedures set forth herein for initial interpretations, Change Proposals, and acceptance of the Work. In rendering such decisions and judgments, Engineer will not show partiality to Owner or Contractor, and will not be liable to Owner, Contractor, or others in connection with any proceedings, interpretations, decisions, or judgments conducted or rendered in good faith.

10.08 *Limitations on Engineer's Authority and Responsibilities*

- A. Neither Engineer's authority or responsibility under this Article 10 or under any other provision of the Contract, nor any decision made by Engineer in good faith either to exercise or not exercise such authority or responsibility or the undertaking, exercise, or performance of any authority or responsibility by Engineer, shall create, impose, or give rise to any duty in contract, tort, or otherwise owed by Engineer to Contractor, any Subcontractor, any Supplier, any other individual or entity, or to any surety for or employee or agent of any of them.

- B. Engineer will not supervise, direct, control, or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work. Engineer will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.
- C. Engineer will not be responsible for the acts or omissions of Contractor or of any Subcontractor, any Supplier, or of any other individual or entity performing any of the Work.
- D. Engineer's review of the final Application for Payment and accompanying documentation and all maintenance and operating instructions, schedules, guarantees, bonds, certificates of inspection, tests and approvals, and other documentation required to be delivered by Paragraph 15.06.A will only be to determine generally that their content complies with the requirements of, and in the case of certificates of inspections, tests, and approvals, that the results certified indicate compliance with the Contract Documents.
- E. The limitations upon authority and responsibility set forth in this Paragraph 10.08 shall also apply to the Resident Project Representative, if any.

10.09 *Compliance with Safety Program*

- A. While at the Site, Engineer's employees and representatives will comply with the specific applicable requirements of Owner's and Contractor's safety programs (if any) of which Engineer has been informed.

ARTICLE 11 – AMENDING THE CONTRACT DOCUMENTS; CHANGES IN THE WORK

11.01 *Amending and Supplementing Contract Documents*

- A. The Contract Documents may be amended or supplemented by a Change Order, a Work Change Directive, or a Field Order.
 - 1. *Change Orders:*
 - a. If an amendment or supplement to the Contract Documents includes a change in the Contract Price or the Contract Times, such amendment or supplement must be set forth in a Change Order. A Change Order also may be used to establish amendments and supplements of the Contract Documents that do not affect the Contract Price or Contract Times.
 - b. Owner and Contractor may amend those terms and conditions of the Contract Documents that do not involve (1) the performance or acceptability of the Work, (2) the design (as set forth in the Drawings, Specifications, or otherwise), or (3) other engineering or technical matters, without the recommendation of the Engineer. Such an amendment shall be set forth in a Change Order.
 - 2. *Work Change Directives:* A Work Change Directive will not change the Contract Price or the Contract Times but is evidence that the parties expect that the modification ordered or documented by a Work Change Directive will be incorporated in a subsequently issued Change Order, following negotiations by the parties as to the Work Change Directive's effect, if any, on the Contract Price and Contract Times; or, if negotiations are unsuccessful, by a determination under the terms of the Contract Documents governing adjustments, expressly including Paragraph 11.04 regarding change of Contract Price. Contractor must submit any Change Proposal seeking an adjustment of the Contract Price or the Contract Times, or both, no later than 30 days after the completion of the Work set out in the Work Change Directive. Owner must submit any Claim seeking an adjustment of the Contract Price or the Contract Times, or both, no later than 60 days after issuance of the Work Change Directive.
 - 3. *Field Orders:* Engineer may authorize minor changes in the Work if the changes do not involve an adjustment in the Contract Price or the Contract Times and are compatible with the design concept of the completed Project as a functioning whole as indicated by the Contract Documents. Such

changes will be accomplished by a Field Order and will be binding on Owner and also on Contractor, which shall perform the Work involved promptly. If Contractor believes that a Field Order should instead have been issued as a Change Order because that Field Order justifies an adjustment in the Contract Price or Contract Times, or both, then before proceeding with the Work at issue, Contractor shall submit a Change Proposal as provided herein.

11.02 *Owner-Authorized Changes in the Work*

- A. Without invalidating the Contract and without notice to any surety, Owner may, at any time or from time to time, order additions, deletions, or revisions in the Work. Such changes shall be supported by Engineer's recommendation, to the extent the change involves the design (as set forth in the Drawings, Specifications, or otherwise), or other engineering or technical matters. Such changes may be accomplished by a Change Order, if Owner and Contractor have agreed as to the effect, if any, of the changes on Contract Times or Contract Price; or by a Work Change Directive. Upon receipt of any such document, Contractor shall promptly proceed with the Work involved; or, in the case of a deletion in the Work, promptly cease construction activities with respect to such deleted Work. Added or revised Work shall be performed under the applicable conditions of the Contract Documents. Nothing in this paragraph shall obligate Contractor to undertake work that Contractor reasonably concludes cannot be performed in a manner consistent with Contractor's safety obligations under the Contract Documents or Laws and Regulations.

11.03 *Unauthorized Changes in the Work*

- A. Contractor shall not be entitled to an increase in the Contract Price or an extension of the Contract Times with respect to any work performed that is not required by the Contract Documents, as amended, modified, or supplemented, except in the case of an emergency as provided in Paragraph 7.15 or in the case of uncovering Work as provided in Paragraph 14.05.

11.04 *Change of Contract Price*

- A. The Contract Price may only be changed by a Change Order. Any Change Proposal for an adjustment in the Contract Price shall comply with the provisions of Paragraph 11.06. Any Claim for an adjustment of Contract Price shall comply with the provisions of Article 12.
- B. An adjustment in the Contract Price will be determined as follows:
 - 1. where the Work involved is covered by unit prices contained in the Contract Documents, then by application of such unit prices to the quantities of the items involved (subject to the provisions of Paragraph 13.03); or
 - 2. where the Work involved is not covered by unit prices contained in the Contract Documents, then by a mutually agreed lump sum (which may include an allowance for overhead and profit not necessarily in accordance with Paragraph 11.04.C.2); or
 - 3. where the Work involved is not covered by unit prices contained in the Contract Documents and the parties do not reach mutual agreement to a lump sum, then on the basis of the Cost of the Work (determined as provided in Paragraph 13.01) plus a Contractor's fee for overhead and profit (determined as provided in Paragraph 11.04.C).
- C. *Contractor's Fee:* When applicable, the Contractor's fee for overhead and profit shall be determined as follows:
 - 1. a mutually acceptable fixed fee; or
 - 2. if a fixed fee is not agreed upon, then a fee based on the following percentages of the various portions of the Cost of the Work:
 - a. for costs incurred under Paragraphs 13.01.B.1 and 13.01.B.2, the Contractor's fee shall be 15 percent;
 - b. for costs incurred under Paragraph 13.01.B.3, the Contractor's fee shall be five percent;

- c. where one or more tiers of subcontracts are on the basis of Cost of the Work plus a fee and no fixed fee is agreed upon, the intent of Paragraphs 11.04.C.2.a and 11.04.C.2.b is that the Contractor's fee shall be based on: (1) a fee of 15 percent of the costs incurred under Paragraphs 13.01.A.1 and 13.01.A.2 by the Subcontractor that actually performs the Work, at whatever tier, and (2) with respect to Contractor itself and to any Subcontractors of a tier higher than that of the Subcontractor that actually performs the Work, a fee of five percent of the amount (fee plus underlying costs incurred) attributable to the next lower tier Subcontractor; provided, however, that for any such subcontracted work the maximum total fee to be paid by Owner shall be no greater than 27 percent of the costs incurred by the Subcontractor that actually performs the work;
- d. no fee shall be payable on the basis of costs itemized under Paragraphs 13.01.B.4, 13.01.B.5, and 13.01.C;
- e. the amount of credit to be allowed by Contractor to Owner for any change which results in a net decrease in cost will be the amount of the actual net decrease in cost plus a deduction in Contractor's fee by an amount equal to five percent of such net decrease; and
- f. when both additions and credits are involved in any one change, the adjustment in Contractor's fee shall be computed on the basis of the net change in accordance with Paragraphs 11.04.C.2.a through 11.04.C.2.e, inclusive.

11.05 *Change of Contract Times*

- A. The Contract Times may only be changed by a Change Order. Any Change Proposal for an adjustment in the Contract Times shall comply with the provisions of Paragraph 11.06. Any Claim for an adjustment in the Contract Times shall comply with the provisions of Article 12.
- B. An adjustment of the Contract Times shall be subject to the limitations set forth in Paragraph 4.05, concerning delays in Contractor's progress.

11.06 *Change Proposals*

- A. Contractor shall submit a Change Proposal to Engineer to request an adjustment in the Contract Times or Contract Price; appeal an initial decision by Engineer concerning the requirements of the Contract Documents or relating to the acceptability of the Work under the Contract Documents; contest a set-off against payment due; or seek other relief under the Contract. The Change Proposal shall specify any proposed change in Contract Times or Contract Price, or both, or other proposed relief, and explain the reason for the proposed change, with citations to any governing or applicable provisions of the Contract Documents.
 - 1. *Procedures:* Contractor shall submit each Change Proposal to Engineer promptly (but in no event later than twenty (20) days after the start of the event giving rise thereto, or after such initial decision. The Contractor shall submit supporting data, including the proposed change in Contract Price or Contract Time (if any), to the Engineer and Owner within ten (10) days after the submittal of the Change Proposal. The supporting data shall be accompanied by a written statement that the supporting data are accurate and complete, and that any requested time or price adjustment is the entire adjustment to which Contractor believes it is entitled as a result of said event. Engineer will advise Owner regarding the Change Proposal, and consider any comments or response from Owner regarding the Change Proposal.
 - 2. *Engineer's Action:* Engineer will review each Change Proposal and, within 30 days after receipt of the Contractor's supporting data, either deny the Change Proposal in whole, approve it in whole, or deny it in part and approve it in part. Such actions shall be in writing, with a copy provided to Owner and Contractor. If Engineer does not take action on the Change Proposal within twenty (20) days, then either Owner or Contractor may at any time thereafter submit a letter to the other party indicating that as a result of Engineer's inaction the Change Proposal is deemed denied, thereby commencing the time for appeal of the denial under Article 12.

3. *Binding Decision:* Engineer's decision will be final and binding upon Owner and Contractor, unless Owner or Contractor appeals the decision by filing a Claim under Article 12.
- B. *Resolution of Certain Change Proposals:* If the Change Proposal does not involve the design (as set forth in the Drawings, Specifications, or otherwise), the acceptability of the Work, or other engineering or technical matters, then Engineer will notify the parties that the Engineer is unable to resolve the Change Proposal. For purposes of further resolution of such a Change Proposal, such notice shall be deemed a denial, and Contractor may choose to seek resolution under the terms of Article 12.

11.07 *Execution of Change Orders*

- A. Owner and Contractor shall execute appropriate Change Orders covering:
 1. changes in the Contract Price or Contract Times which are agreed to by the parties, including any undisputed sum or amount of time for Work actually performed in accordance with a Work Change Directive;
 2. changes in Contract Price resulting from an Owner set-off, unless Contractor has duly contested such set-off;
 3. changes in the Work which are: (a) ordered by Owner pursuant to Paragraph 11.02, (b) required because of Owner's acceptance of defective Work under Paragraph 14.04 or Owner's correction of defective Work under Paragraph 14.07, or (c) agreed to by the parties, subject to the need for Engineer's recommendation if the change in the Work involves the design (as set forth in the Drawings, Specifications, or otherwise), or other engineering or technical matters; and
 4. changes in the Contract Price or Contract Times, or other changes, which embody the substance of any final and binding results under Paragraph 11.06, or Article 12.
- B. If Owner or Contractor refuses to execute a Change Order that is required to be executed under the terms of this Paragraph 11.07, it shall be deemed to be of full force and effect, as if fully executed.
- C. No course of conduct or dealings between the parties, no expressed or implied acceptance of alterations or additions to the Work, and no claim that Owner has been unjustly enriched by any alterations or additions to the Work shall be the basis of any claim for an increase in any amount due under the Contract Documents or in any time period provided for in the Contract Documents, unless executed as a Change Order. Any Change Order shall constitute a final settlement of all matters relating to the change in the Work that is the subject of the Change Order, including, but not limited to, all direct and indirect costs associated with such change and any and all adjustments to the Contract Price and the Contract Times.

11.08 *Notification to Surety*

- A. If the provisions of any bond require notice to be given to a surety of any change affecting the general scope of the Work or the provisions of the Contract Documents (including, but not limited to, Contract Price or Contract Times), the giving of any such notice will be Contractor's responsibility. The amount of each applicable bond will be adjusted to reflect the effect of any such change.

ARTICLE 12 – CLAIMS

12.01 *Claims*

- A. *Claims Process:* The following disputes between Owner and Contractor shall be submitted to the Claims process set forth in this Article:
 1. Appeals by Owner or Contractor of Engineer's decisions regarding Change Proposals;
 2. Owner demands for adjustments in the Contract Price or Contract Times, or other relief under the Contract Documents; and

3. Disputes that Engineer has been unable to address because they do not involve the design (as set forth in the Drawings, Specifications, or otherwise), the acceptability of the Work, or other engineering or technical matters.
- B. *Submittal of Claim*: The party submitting a Claim shall deliver it directly to the other party to the Contract promptly (but in no event later than 30 days) after the start of the event giving rise thereto; in the case of appeals regarding Change Proposals within 30 days of the decision under appeal. The party submitting the Claim shall also furnish a copy to the Engineer, for its information only. The responsibility to substantiate a Claim shall rest with the party making the Claim. In the case of a Claim by Contractor seeking an increase in the Contract Times or Contract Price, or both, Contractor shall certify that the Claim is made in good faith, that the supporting data are accurate and complete, and that to the best of Contractor's knowledge and belief the amount of time or money requested accurately reflects the full amount to which Contractor is entitled.
 - C. *Review and Resolution*: The party receiving a Claim shall review it thoroughly, giving full consideration to its merits. The two parties shall seek to resolve the Claim through the exchange of information and direct negotiations. The parties may extend the time for resolving the Claim by mutual agreement. All actions taken on a Claim shall be stated in writing and submitted to the other party, with a copy to Engineer.
 - D. *Mediation*:
 1. Prior to the filing of any litigation or arbitration by the Owner or Contractor against the other (and, except as described below, as a precondition to any such filing), the Owner and Contractor shall engage in pre-suit mediation. Such mediation may be requested by either party, at any time, and shall be conducted the same as if such mediation were ordered by a Florida Circuit Court (i.e., in accordance with, and subject to, all of the laws and rules applicable to court ordered mediation). Such mediation shall be conducted within a reasonable period of time after the same is requested in writing by either party. If the parties are unable to agree upon the selection of a mediator, either party may petition or request that the Circuit Court in Lee County, Florida (or the Mediation Coordinator for the Courts of Lee County, Florida) appoint a mediator. A mediator who is so appointed may only be challenged for cause, and not preemptorily. While the request for and the conducting of such a mediation shall be a precondition to the filing of a civil action, in the event that either party is in jeopardy of losing its right to sue (e.g., the statute of limitations is about to expire), then a suit may be filed before mediation is conducted, provided that mediation is requested before, or simultaneously with, the filing of such suit, and is conducted before the named defendant in the suit is required to respond to the Complaint. If the scheduling of the mediation requires, the plaintiff in the suit shall therefore grant the defendant an appropriate extension of time to respond to the Complaint so as to permit the mediation to be conducted before the defendant must so respond. Initiation of mediation procedures shall not postpone or extend Contractor's obligation to respond to any notice served under Chapter 558, Florida Statutes.
 2. The Owner and Contractor further agree that any litigation between them arising out of, resulting from or relating to this Agreement or the Work shall be venued, and shall only be venued (i.e., exclusively), in a state court of competent jurisdiction in Lee County, Florida.

ARTICLE 13 – COST OF THE WORK; ALLOWANCES; UNIT PRICE WORK

13.01 *Cost of the Work*

- A. *Purposes for Determination of Cost of the Work*: The term Cost of the Work means the sum of all costs necessary for the proper performance of the Work at issue, as further defined below. The provisions of this Paragraph 13.01 are used for two distinct purposes:

1. To determine Cost of the Work when Cost of the Work is a component of the Contract Price, under cost-plus-fee, time-and-materials, or other cost-based terms; or
 2. To determine the value of a Change Order, Change Proposal, Claim, set-off, or other adjustment in Contract Price. When the value of any such adjustment is determined on the basis of Cost of the Work, Contractor is entitled only to those additional or incremental costs required because of the change in the Work or because of the event giving rise to the adjustment.
- B. *Costs Included:* Except as otherwise may be agreed to in writing by Owner, costs included in the Cost of the Work shall be in amounts no higher than those prevailing in the locality of the Project, shall not include any of the costs itemized in Paragraph 13.01.C, and shall include only the following items (unless specified otherwise in the Contract Documents):
1. Payroll costs for employees in the direct employ of Contractor in the performance of the Work under schedules of job classifications agreed upon by Owner and Contractor. Such employees shall include, one foreman unless agreed upon prior to the start of the Work. Payroll costs for employees not employed full time on the Work shall be apportioned on the basis of their time spent on the Work. Payroll costs shall include, but not be limited to, salaries and wages plus the cost of fringe benefits, which shall include social security contributions, unemployment, excise, and payroll taxes, workers' compensation, health and retirement benefits, bonuses, sick leave, and vacation and holiday pay applicable thereto. The expenses of performing Work outside of regular working hours, on Saturday, Sunday, or legal holidays, shall be included in the above to the extent authorized in writing by Owner.
 2. Cost of all materials and equipment furnished and incorporated in the Work, including costs of transportation and storage thereof, and Suppliers' field services required in connection therewith. All cash discounts shall accrue to Contractor unless Owner deposits funds with Contractor with which to make payments, in which case the cash discounts shall accrue to Owner. All trade discounts, rebates, and refunds and returns from sale of surplus materials and equipment shall accrue to Owner, and Contractor shall make provisions so that they may be obtained.
 3. Payments made by Contractor to Subcontractors for Work performed by Subcontractors. If required by Owner, Contractor shall obtain competitive bids from subcontractors acceptable to Owner and Contractor and shall deliver such bids to Owner, who will then determine, with the advice of Engineer, which bids, if any, will be acceptable. If any subcontract provides that the Subcontractor is to be paid on the basis of Cost of the Work plus a fee, the Subcontractor's Cost of the Work and fee shall be determined in the same manner as Contractor's Cost of the Work and fee as provided in this Paragraph 13.01.
 4. Costs of special consultants (including but not limited to engineers, architects, testing laboratories, surveyors, attorneys, and accountants) employed for services specifically related to the Work.
 5. Supplemental costs including the following:
 - a. The proportion of necessary transportation, travel, and subsistence expenses of Contractor's employees incurred in discharge of duties connected with the Work.
 - b. Cost, including transportation and maintenance, of all materials, supplies, equipment, machinery, appliances, office, and temporary facilities at the Site, and hand tools not owned by the workers, which are consumed in the performance of the Work, and cost, less market value, of such items used but not consumed which remain the property of Contractor.
 - c. Rentals of all construction equipment and machinery, and the parts thereof, whether rented from Contractor or others in accordance with rental agreements approved by Owner with the advice of Engineer, and the costs of transportation, loading, unloading, assembly, dismantling, and removal thereof. All such costs shall be in accordance with the terms of said rental agreements. The rental of any such equipment, machinery, or parts shall cease when the use thereof is no longer necessary for the Work.

- d. Sales, consumer, use, and other similar taxes related to the Work, and for which Contractor is liable, as imposed by Laws and Regulations.
 - e. Deposits lost for causes other than negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, and royalty payments and fees for permits and licenses.
 - f. Losses and damages (and related expenses) caused by damage to the Work, not compensated by insurance or otherwise, sustained by Contractor in connection with the performance of the Work (except losses and damages within the deductible amounts of property insurance established in accordance with Paragraph 6.05), provided such losses and damages have resulted from causes other than the negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable. Such losses shall include settlements made with the written consent and approval of Owner. No such losses, damages, and expenses shall be included in the Cost of the Work for the purpose of determining Contractor's fee.
 - g. The cost of utilities, fuel, and sanitary facilities at the Site.
 - h. Minor expenses such as communication service at the Site, express and courier services, and similar petty cash items in connection with the Work.
 - i. The costs of premiums for all bonds and insurance that Contractor is required by the Contract Documents to purchase and maintain.
- C. *Costs Excluded:* The term Cost of the Work shall not include any of the following items:
- 1. Payroll costs and other compensation of Contractor's officers, executives, principals (of partnerships and sole proprietorships), general managers, safety managers, engineers, architects, estimators, attorneys, auditors, accountants, purchasing and contracting agents, expeditors, timekeepers, clerks, and other personnel employed by Contractor, whether at the Site or in Contractor's principal or branch office for general administration of the Work and not specifically included in the agreed upon schedule of job classifications referred to in Paragraph 13.01.B.1 or specifically covered by Paragraph 13.01.B.4. The payroll costs and other compensation excluded here are to be considered administrative costs covered by the Contractor's fee.
 - 2. Expenses of Contractor's principal and branch offices other than Contractor's office at the Site.
 - 3. Any part of Contractor's capital expenses, including interest on Contractor's capital employed for the Work and charges against Contractor for delinquent payments.
 - 4. Costs due to the negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, including but not limited to, the correction of defective Work, disposal of materials or equipment wrongly supplied, and making good any damage to property.
 - 5. Other overhead or general expense costs of any kind and the costs of any item not specifically and expressly included in Paragraph 13.01.B.
- D. *Contractor's Fee:* When the Work as a whole is performed on the basis of cost-plus, Contractor's fee shall be determined as set forth in the Agreement. When the value of any Work covered by a Change Order, Change Proposal, Claim, set-off, or other adjustment in Contract Price is determined on the basis of Cost of the Work, Contractor's fee shall be determined as set forth in Paragraph 11.04.C.
- E. *Documentation:* Whenever the Cost of the Work for any purpose is to be determined pursuant to this Article 13, Contractor will establish and maintain records thereof in accordance with generally accepted accounting practices and submit in a form acceptable to Engineer an itemized cost breakdown together with supporting data.

13.02 Allowances

- A. It is understood that Contractor has included in the Contract Price all allowances so named in the Contract Documents and shall cause the Work so covered to be performed for such sums and by such persons or entities as may be acceptable to Owner and Engineer. There shall be no increase in the Contract price based upon an allowance item unless the increase is specifically approved in a writing signed by Owner.
- B. *Cash Allowances*: Contractor agrees that:
 - 1. the cash allowances include the cost to Contractor (less any applicable trade discounts) of materials and equipment required by the allowances to be delivered at the Site, and all applicable taxes; and
 - 2. Contractor's costs for unloading and handling on the Site, labor, installation, overhead, profit, and other expenses contemplated for the cash allowances have been included in the Contract Price and not in the allowances, and no demand for additional payment on account of any of the foregoing will be valid.
- C. *Contingency Allowance*: Contractor agrees that a contingency allowance, if any, is for the sole use of Owner to cover unanticipated costs.
- D. Prior to final payment, an appropriate Change Order will be issued as recommended by Engineer to reflect actual amounts due Contractor on account of Work covered by allowances, and the Contract Price shall be correspondingly adjusted.

13.03 Unit Price Work

- A. Where the Contract Documents provide that all or part of the Work is to be Unit Price Work, initially the Contract Price will be deemed to include for all Unit Price Work an amount equal to the sum of the unit price for each separately identified item of Unit Price Work times the estimated quantity of each item as indicated in the Agreement.
- B. The estimated quantities of items of Unit Price Work are guaranteed maximum quantities and shall not be exceeded or increased unless approved in a signed writing by Owner.
- C. Each unit price will be deemed to include an amount considered by Contractor to be adequate to cover Contractor's overhead and profit for each separately identified item.
- D. In the event unforeseen circumstances require an increase in quantities (subject to the restrictions set forth in Section 5.04) and the parties are unable to agree upon the amount of the increase, Engineer will determine the actual quantities and classifications of Unit Price Work performed by Contractor. Engineer will review with Contractor the Engineer's preliminary determinations on such matters before rendering a written decision thereon (by recommendation of an Application for Payment or otherwise). Engineer's written decision thereon will be final and binding (except as modified by Engineer to reflect changed factual conditions or more accurate data) upon Owner and Contractor, subject to the provisions of the following paragraph.
- E. Within 30 days of Engineer's written decision under the preceding paragraph, Contractor may submit a Change Proposal, or Owner may file a Claim, seeking an adjustment in the Contract Price if:
 - 1. the quantity of any item of Unit Price Work performed by Contractor differs materially and significantly from the estimated quantity of such item indicated in the Agreement;
 - 2. there is no corresponding adjustment with respect to any other item of Work; and
 - 3. Contractor believes that it is entitled to an increase in Contract Price as a result of having incurred additional expense or Owner believes that Owner is entitled to a decrease in Contract Price, and the parties are unable to agree as to the amount of any such increase or decrease.

ARTICLE 14 – TESTS AND INSPECTIONS; CORRECTION, REMOVAL OR ACCEPTANCE OF DEFECTIVE WORK

14.01 *Access to Work*

- A. Owner, Engineer, their consultants and other representatives and personnel of Owner, independent testing laboratories, and authorities having jurisdiction will have access to the Site and the Work at reasonable times for their observation, inspection, and testing. Contractor shall provide them proper and safe conditions for such access and advise them of Contractor's safety procedures and programs so that they may comply therewith as applicable.

14.02 *Tests, Inspections, and Approvals*

- A. Contractor shall give Engineer timely notice of readiness of the Work (or specific parts thereof) for all required inspections and tests, and shall cooperate with inspection and testing personnel to facilitate required inspections and tests.
- B. Owner shall retain and pay for the services of an independent inspector, testing laboratory, or other qualified individual or entity to perform all inspections and tests expressly required by the Contract Documents to be furnished and paid for by Owner, except that costs incurred in connection with tests or inspections of covered Work shall be governed by the provisions of Paragraph 14.05.
- C. If Laws or Regulations of any public body having jurisdiction require any Work (or part thereof) specifically to be inspected, tested, or approved by an employee or other representative of such public body, Contractor shall assume full responsibility for arranging and obtaining such inspections, tests, or approvals, pay all costs in connection therewith, and furnish Engineer the required certificates of inspection or approval.
- D. Contractor shall be responsible for arranging, obtaining, and paying for all inspections and tests required:
 - 1. by the Contract Documents, unless the Contract Documents expressly allocate responsibility for a specific inspection or test to Owner;
 - 2. to attain Owner's and Engineer's acceptance of materials or equipment to be incorporated in the Work, as well as for any retesting following corrective Work;
 - 3. by manufacturers of equipment furnished under the Contract Documents;
 - 4. for testing, adjusting, and balancing of mechanical, electrical, and other equipment to be incorporated into the Work; and
 - 5. for acceptance of materials, mix designs, or equipment submitted for approval prior to Contractor's purchase thereof for incorporation in the Work.

Such inspections and tests shall be performed by independent inspectors, testing laboratories, or other qualified individuals or entities acceptable to Owner and Engineer.

- E. If the Contract Documents require the Work (or part thereof) to be approved by Owner, Engineer, or another designated individual or entity, then Contractor shall assume full responsibility for arranging and obtaining such approvals.
- F. If any Work (or the work of others) that is to be inspected, tested, or approved is covered by Contractor without written concurrence of Engineer, Contractor shall, if requested by Engineer, uncover such Work for observation. Such uncovering shall be at Contractor's expense unless Contractor had given Engineer timely notice of Contractor's intention to cover the same and Engineer had not acted with reasonable promptness in response to such notice.

14.03 *Defective Work*

- A. *Contractor's Obligation:* It is Contractor's obligation to assure that the Work is not defective and is in all respects in accordance with the Contract Documents.

- B. *Engineer's Authority*: Engineer has the authority to determine whether Work is defective, and to reject defective Work.
- C. *Notice of Defects*: Prompt notice of all defective Work of which Owner or Engineer has actual knowledge will be given to Contractor provided that the defective nature of such work is readily ascertainable by reasonable inspection.
- D. *Correction, or Removal and Replacement*: Promptly after receipt of written notice of defective Work, Contractor shall correct all such defective Work, whether or not fabricated, installed, or completed, or, if Engineer has rejected the defective Work, remove it from the Project and replace it with Work that is not defective.
- E. *Preservation of Warranties*: When correcting defective Work, Contractor shall take no action that would void or otherwise impair Owner's special warranty and guarantee, if any, on said Work.
- F. *Costs and Damages*: In addition to its correction, removal, and replacement obligations with respect to defective Work, Contractor shall pay all claims, costs, losses, and damages arising out of or relating to defective Work, including but not limited to the cost of the inspection, testing, correction, removal, replacement, or reconstruction of such defective Work, fines levied against Owner by governmental authorities because the Work is defective, and the costs of repair or replacement of work of others resulting from defective Work. Prior to final payment, if Owner and Contractor are unable to agree as to the measure of such claims, costs, losses, and damages resulting from defective Work, then Owner may impose a reasonable set-off against payments due under Article 15.

14.04 *Acceptance of Defective Work*

- A. If, instead of requiring correction or removal and replacement of defective Work, Owner prefers to accept it, Owner may do so (subject, if such acceptance occurs prior to final payment, to Engineer's confirmation that such acceptance is in general accord with the design intent and applicable engineering principles, and will not endanger public safety). Contractor shall pay all claims, costs, losses, and damages attributable to Owner's evaluation of and determination to accept such defective Work (such costs to be approved by Engineer as to reasonableness), and for the diminished value of the Work to the extent not otherwise paid by Contractor. If any such acceptance occurs prior to final payment, the necessary revisions in the Contract Documents with respect to the Work shall be incorporated in a Change Order. If the parties are unable to agree as to the decrease in the Contract Price, reflecting the diminished value of Work so accepted, then Owner may impose a reasonable set-off against payments due under Article 15. If the acceptance of defective Work occurs after final payment, Contractor shall pay an appropriate amount to Owner.

14.05 *Uncovering Work*

- A. Engineer has the authority to require additional inspection or testing of the Work, whether or not the Work is fabricated, installed, or completed.
- B. If any Work is covered contrary to the written request of Engineer, then Contractor shall, if requested by Engineer, uncover such Work for Engineer's observation, and then replace the covering, all at Contractor's expense.
- C. If Engineer considers it necessary or advisable that covered Work be observed by Engineer or inspected or tested by others, then Contractor, at Engineer's request, shall uncover, expose, or otherwise make available for observation, inspection, or testing as Engineer may require, that portion of the Work in question, and provide all necessary labor, material, and equipment.
 - 1. If it is found that the uncovered Work is defective, Contractor shall be responsible for all claims, costs, losses, and damages arising out of or relating to such uncovering, exposure, observation, inspection, and testing, and of satisfactory replacement or reconstruction (including but not limited to all costs of repair or replacement of work of others); and pending Contractor's full discharge of this responsibility the Owner shall be entitled to impose a reasonable set-off against payments due under Article 15.

2. If the uncovered Work is not found to be defective, Contractor shall be allowed an increase in the Contract Price or an extension of the Contract Times, or both, directly attributable to such uncovering, exposure, observation, inspection, testing, replacement, and reconstruction. If the parties are unable to agree as to the amount or extent thereof, then Contractor may submit a Change Proposal within 30 days of the determination that the Work is not defective.

14.06 *Owner May Stop the Work*

- A. If the Work is defective, or Contractor fails to supply sufficient skilled workers or suitable materials or equipment, or fails to perform the Work in such a way that the completed Work will conform to the Contract Documents, then Owner may order Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, this right of Owner to stop the Work shall not give rise to any duty on the part of Owner to exercise this right for the benefit of Contractor, any Subcontractor, any Supplier, any other individual or entity, or any surety for, or employee or agent of any of them.
- B. If Owner stops the Work under paragraph 14.06.A, Contractor shall not be entitled to an extension of Contract Time nor to an increase in Contract Price.

14.07 *Owner May Correct Defective Work*

- A. If Contractor fails within a reasonable time after written notice from Engineer to correct defective Work, or to remove and replace rejected Work as required by Engineer, or if Contractor fails to perform the Work in accordance with the Contract Documents, or if Contractor fails to comply with any other provision of the Contract Documents, then Owner may, after seven (7) days written notice to Contractor, correct or remedy any such deficiency.
- B. In exercising the rights and remedies under this Paragraph 14.07, Owner shall proceed expeditiously. In connection with such corrective or remedial action, Owner may exclude Contractor from all or part of the Site, take possession of all or part of the Work and suspend Contractor's services related thereto, and incorporate in the Work all materials and equipment stored at the Site or for which Owner has paid Contractor but which are stored elsewhere. Contractor shall allow Owner, Owner's representatives, agents and employees, Owner's other contractors, and Engineer and Engineer's consultants access to the Site to enable Owner to exercise the rights and remedies under this paragraph.
- C. All claims, costs, losses, and damages incurred or sustained by Owner in exercising the rights and remedies under this Paragraph 14.07 will be charged against Contractor as set-offs against payments due under Article 15. Such claims, costs, losses and damages will include but not be limited to all costs of repair, or replacement of work of others destroyed or damaged by correction, removal, or replacement of Contractor's defective Work.
- D. Contractor shall not be allowed an extension of the Contract Times because of any delay in the performance of the Work attributable to the exercise by Owner of Owner's rights and remedies under this Paragraph 14.07.

ARTICLE 15 – PAYMENTS TO CONTRACTOR; SET-OFFS; COMPLETION; CORRECTION PERIOD

15.01 *Progress Payments*

- A. *Basis for Progress Payments:* The Schedule of Values established as provided in Article 2 will serve as the basis for progress payments and will be incorporated into a form of Application for Payment acceptable to Engineer. Progress payments on account of Unit Price Work will be based on the number of units completed during the pay period, as determined under the provisions of Paragraph 13.03. Progress payments for cost-based Work will be based on Cost of the Work completed by Contractor during the pay period.

B. *Applications for Payments:*

1. At least 20 days before the date established in the Agreement for each progress payment (but not more often than once a month), Contractor shall submit to Engineer for review an Application for Payment filled out and signed by Contractor covering the Work completed as of the date of the Application and accompanied by such supporting documentation as is required by the Contract Documents, including appropriate lien releases for all potential lienors. Lien releases required with each application for payment shall be unconditional and shall be in the form provided by Sections 713.20(4) and (5), Florida Statutes, relating to releases of lien upon progress and final payment, respectively.
2. If payment is requested on the basis of materials and equipment not incorporated in the Work unless approved in advance in writing by Owner and, if such approval is given, such materials and equipment must be delivered and suitably stored at the Site or at another location agreed to in writing and, in such case, the Application for Payment shall also be accompanied by a bill of sale, invoice, or other documentation warranting that Owner has received the materials and equipment free and clear of all Liens, and evidence that the materials and equipment are covered by appropriate property insurance, a warehouse bond, or other arrangements to protect Owner's interest therein, all of which must be satisfactory to Owner. In such case, Contractor shall furnish evidence that payment received on the basis of materials and equipment not incorporated has in fact been paid to the respective Supplier(s) within sixty (60) days of payment by Owner. Failure to provide such evidence of payment may result in the withdrawal of previous approval(s) and removal of the cost of related materials and equipment from the next submitted Application for Payment.
3. Beginning with the second Application for Payment, each Application shall include an affidavit of Contractor stating that all previous progress payments received on account of the Work have been applied on account to discharge Contractor's legitimate obligations associated with prior Applications for Payment.
4. The amount of retainage with respect to progress payments will be as stipulated in the Agreement. Unless otherwise stated, retainage of ten percent (10%) shall be withheld from each payment. Retainage shall be reduced to five percent (5%) at the time Contractor has completed seventy-five percent (75%) of the Work to be performed based on the value of the completed Work.

C. *Review of Applications:*

1. Engineer will, within 10 days after receipt of each Application for Payment, including each resubmittal, either indicate in writing a recommendation of payment and present the Application to Owner, or return the Application to Contractor indicating in writing Engineer's reasons for refusing to recommend payment. In the latter case, Contractor may make the necessary corrections and resubmit the Application.
2. Engineer's recommendation of any payment requested in an Application for Payment will constitute a representation by Engineer to Owner, based on Engineer's observations of the executed Work as an experienced and qualified design professional, and on Engineer's review of the Application for Payment and the accompanying data and schedules, that to the best of Engineer's knowledge, information and belief:
 - a. the Work has progressed to the point indicated;
 - b. the quality of the Work is generally in accordance with the Contract Documents (subject to an evaluation of the Work as a functioning whole prior to or upon Substantial Completion, the results of any subsequent tests called for in the Contract Documents, a final determination of quantities and classifications for Unit Price Work under Paragraph 13.03, and any other qualifications stated in the recommendation); and
 - c. the conditions precedent to Contractor's being entitled to such payment appear to have been fulfilled in so far as it is Engineer's responsibility to observe the Work.

3. By recommending any such payment Engineer will not thereby be deemed to have represented that:
 - a. inspections made to check the quality or the quantity of the Work as it has been performed have been exhaustive, extended to every aspect of the Work in progress, or involved detailed inspections of the Work beyond the responsibilities specifically assigned to Engineer in the Contract; or
 - b. there may not be other matters or issues between the parties that might entitle Contractor to be paid additionally by Owner or entitle Owner to withhold payment to Contractor.
 4. Neither Engineer's review of Contractor's Work for the purposes of recommending payments nor Engineer's recommendation of any payment, including final payment, will impose responsibility on Engineer:
 - a. to supervise, direct, or control the Work, or
 - b. for the means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or
 - c. for Contractor's failure to comply with Laws and Regulations applicable to Contractor's performance of the Work, or
 - d. to make any examination to ascertain how or for what purposes Contractor has used the money paid on account of the Contract Price, or
 - e. to determine that title to any of the Work, materials, or equipment has passed to Owner free and clear of any Liens.
 5. Engineer may refuse to recommend the whole or any part of any payment if, in Engineer's opinion, it would be incorrect to make the representations to Owner stated in Paragraph 15.01.C.2.
 6. Engineer will recommend reductions in payment (set-offs) necessary in Engineer's opinion to protect Owner from loss because:
 - a. the Work is defective, requiring correction or replacement;
 - b. the Contract Price has been reduced by Change Orders;
 - c. Owner has been required to correct defective Work in accordance with Paragraph 14.07, or has accepted defective Work pursuant to Paragraph 14.04;
 - d. Owner has been required to remove or remediate a Hazardous Environmental Condition for which Contractor is responsible; or
 - e. Engineer has actual knowledge of the occurrence of any of the events that would constitute a default by Contractor and therefore justify termination for cause under the Contract Documents.
- D. *Payment Becomes Due:*
1. Thirty (30) days after presentation of the Application for Payment to Owner with Engineer's recommendation, the amount recommended (subject to any Owner set-offs, including retainage) will become due, and when due will be paid by Owner to Contractor.
- E. *Reductions in Payment by Owner:*
1. In addition to any reductions in payment (set-offs) recommended by Engineer, Owner is entitled to impose a set-off against payment based on any of the following:
 - a. claims have been made against Owner on account of Contractor's conduct in the performance or furnishing of the Work, or Owner has incurred costs, losses, or damages on account of Contractor's conduct in the performance or furnishing of the Work, including but not limited to claims, costs, losses, or damages from workplace injuries, adjacent property damage, non-compliance with Laws and Regulations, and patent infringement;

- b. Contractor has failed to take reasonable and customary measures to avoid damage, delay, disruption, and interference with other work at or adjacent to the Site;
 - c. Contractor has failed to provide and maintain required bonds or insurance;
 - d. Owner has been required to remove or remediate a Hazardous Environmental Condition for which Contractor is responsible;
 - e. Owner has incurred extra charges or engineering costs related to submittal reviews, evaluations of proposed substitutes, tests and inspections, or return visits to manufacturing or assembly facilities;
 - f. the Work is defective, requiring correction or replacement;
 - g. Owner has been required to correct defective Work in accordance with Paragraph 14.07, or has accepted defective Work pursuant to Paragraph 14.04;
 - h. the Contract Price has been reduced by Change Orders;
 - i. an event that would constitute a default by Contractor and therefore justify a termination for cause has occurred;
 - j. liquidated damages have accrued as a result of Contractor's failure to achieve Milestones, Substantial Completion, or final completion of the Work;
 - k. Liens have been filed in connection with the Work, except where Contractor has delivered a specific bond satisfactory to Owner to secure the satisfaction and discharge of such Liens;
 - l. there are other items entitling Owner to a set off against the amount recommended.
2. If Owner imposes any set-off against payment, whether based on its own knowledge or on the written recommendations of Engineer, Owner will give Contractor immediate written notice (with a copy to Engineer) stating the reasons for such action and the specific amount of the reduction, and promptly pay Contractor any amount remaining after deduction of the amount so withheld. Owner shall promptly pay Contractor the amount so withheld, or any adjustment thereto agreed to by Owner and Contractor, if Contractor remedies the reasons for such action. The reduction imposed shall be binding on Contractor unless it duly submits a Change Proposal contesting the reduction.
 3. Upon a subsequent determination that Owner's refusal of payment was not justified, the amount wrongfully withheld shall be treated as an amount due as determined by Paragraph 15.01.C.1 and subject to interest as provided in the Agreement.

15.02 *Contractor's Warranty of Title*

- A. Contractor warrants and guarantees that title to all Work, materials, and equipment furnished under the Contract will pass to Owner free and clear of (1) all Liens and other title defects, and (2) all patent, licensing, copyright, or royalty obligations, no later than seven days after the time of payment by Owner.
- B. As and to the extent that Owner has paid Contractor the amounts due under the Contract Documents, Contractor shall indemnify, defend and save Owner and Engineer harmless from all claims arising out of the lawful demands of Subcontractors, laborers, workmen, mechanics, materialmen, and furnishers of machinery and parts thereof, equipment, power tools, and all supplies, including commissary, incurred in the furtherance of the performance of this Contract. Contractor shall at Owner's request, furnish satisfactory evidence that all obligations of the nature hereinabove designated have been paid, discharged, or waived. If Contractor fails to do so, then Owner may, after having served written notice on the said Contractor, either pay unpaid bills of which Owner has written notice, direct or withhold from the Contractor's unpaid compensation a sum of money deemed reasonably sufficient to pay any and all such lawful claims until satisfactory evidence is furnished that all liabilities have been fully discharged, whereupon payment to Contractor shall be resumed in accordance with the terms of this Contract, but in no event shall the provisions of this sentence be construed to impose any obligations upon Owner to either Contractor or Contractor's Surety. In paying any unpaid bills of Contractor, Owner shall be deemed

the agent of Contractor and any payment so made by Owner shall be considered as payment made under the Contract by Owner to Contractor and Owner shall not be liable to Contractor for any such payment made in good faith.

15.03 *Substantial Completion*

- A. When Contractor considers the entire Work ready for its intended use Contractor shall notify Owner and Engineer in writing that the entire Work is substantially complete and request that Engineer issue a certificate of Substantial Completion. Contractor shall at the same time submit to Owner and Engineer an initial draft of punch list items to be completed or corrected before final payment.
- B. Promptly after Contractor's notification, Owner, Contractor, and Engineer shall make an inspection of the Work to determine the status of completion. If Engineer does not consider the Work substantially complete, Engineer will notify Contractor in writing giving the reasons therefor.
- C. If Engineer considers the Work substantially complete, Engineer will deliver to Owner a preliminary certificate of Substantial Completion which shall fix the date of Substantial Completion. Engineer shall attach to the certificate a punch list of items to be completed or corrected before final payment. Owner shall have seven days after receipt of the preliminary certificate during which to make written objection to Engineer as to any provisions of the certificate or attached punch list. If, after considering the objections to the provisions of the preliminary certificate, Engineer concludes that the Work is not substantially complete, Engineer will, within 14 days after submission of the preliminary certificate to Owner, notify Contractor in writing that the Work is not substantially complete, stating the reasons therefor. If Owner does not object to the provisions of the certificate, or if despite consideration of Owner's objections Engineer concludes that the Work is substantially complete, then Engineer will, within said 14 days, execute and deliver to Owner and Contractor a final certificate of Substantial Completion (with a revised punch list of items to be completed or corrected) reflecting such changes from the preliminary certificate as Engineer believes justified after consideration of any objections from Owner.
- D. At the time of receipt of the preliminary certificate of Substantial Completion, Owner and Contractor will confer regarding Owner's use or occupancy of the Work following Substantial Completion, review the builder's risk insurance policy with respect to the end of the builder's risk coverage, and confirm the transition to coverage of the Work under a permanent property insurance policy held by Owner. Unless Owner and Contractor agree otherwise in writing, Owner shall bear responsibility for security, operation, protection of the Work, property insurance, maintenance, heat, and utilities upon Owner's use or occupancy of the Work.
- E. After Substantial Completion the Contractor shall promptly begin work on the punch list of items to be completed or corrected prior to final payment. In appropriate cases Contractor may submit monthly Applications for Payment for completed punch list items, following the progress payment procedures set forth above.
- F. Owner shall have the right to exclude Contractor from the Site after the date of Substantial Completion subject to allowing Contractor reasonable access to remove its property and complete or correct items on the punch list.

15.04 *Partial Use or Occupancy*

- A. Prior to Substantial Completion of all the Work, Owner may use or occupy any substantially completed part of the Work which has specifically been identified in the Contract Documents, or which Owner, Engineer, and Contractor agree constitutes a separately functioning and usable part of the Work that can be used by Owner for its intended purpose without significant interference with Contractor's performance of the remainder of the Work, subject to the following conditions:
 - 1. At any time Owner may request in writing that Contractor permit Owner to use or occupy any such part of the Work that Owner believes to be substantially complete. If and when Contractor agrees that such part of the Work is substantially complete, Contractor, Owner, and Engineer will follow the procedures of Paragraph 15.03.A through E for that part of the Work.

2. At any time Contractor may notify Owner and Engineer in writing that Contractor considers any such part of the Work substantially complete and request Engineer to issue a certificate of Substantial Completion for that part of the Work.
3. Within a reasonable time after either such request, Owner, Contractor, and Engineer shall make an inspection of that part of the Work to determine its status of completion. If Engineer does not consider that part of the Work to be substantially complete, Engineer will notify Owner and Contractor in writing giving the reasons therefor. If Engineer considers that part of the Work to be substantially complete, the provisions of Paragraph 15.03 will apply with respect to certification of Substantial Completion of that part of the Work and the division of responsibility in respect thereof and access thereto.
4. No use or occupancy or separate operation of part of the Work may occur prior to compliance with the requirements of Paragraph 6.05 regarding builder's risk or other property insurance.

15.05 *Final Inspection*

- A. Upon written notice from Contractor that the entire Work or an agreed portion thereof is complete, Engineer will promptly make a final inspection with Owner and Contractor and will notify Contractor in writing of all particulars in which this inspection reveals that the Work, or agreed portion thereof, is incomplete or defective. Contractor shall immediately take such measures as are necessary to complete such Work or remedy such deficiencies.

15.06 *Final Payment*

A. *Application for Payment:*

1. After Contractor has, in the opinion of Engineer, satisfactorily completed all corrections identified during the final inspection and has delivered, in accordance with the Contract Documents, all maintenance and operating instructions, schedules, guarantees, bonds, certificates or other evidence of insurance, certificates of inspection, annotated record documents (as provided in Paragraph 7.11), and other documents, Contractor may make application for final payment.
2. The final Application for Payment shall be accompanied (except as previously delivered) by:
 - a. all documentation called for in the Contract Documents;
 - b. consent of the surety, if any, to final payment;
 - c. satisfactory evidence that all title issues have been resolved such that title to all Work, materials, and equipment has passed to Owner free and clear of any Liens or other title defects, or will so pass upon final payment.
 - d. a list of all disputes that Contractor believes are unsettled; and
 - e. complete and legally effective releases or waivers (satisfactory to Owner) of all Lien rights arising out of the Work, and of Liens filed in connection with the Work.

B. *Engineer's Review of Application and Acceptance:*

1. If, on the basis of Engineer's observation of the Work during construction and final inspection, and Engineer's review of the final Application for Payment and accompanying documentation, all as required by the Contract Documents, Engineer is satisfied that the Work has been completed and Contractor's other obligations under the Contract Documents have been fulfilled, Engineer will, within fifteen (15) days after receipt of the final Application for Payment, indicate in writing Engineer's recommendation of final payment and present the Application for Payment to Owner for payment. Such recommendation shall account for any set-offs against payment that are necessary in Engineer's opinion to protect Owner from loss for the reasons stated above with respect to progress payments. At the same time Engineer will also give written notice to Owner and Contractor that the Work is acceptable, subject to the provisions of Paragraph 15.07. Otherwise, Engineer will return the Application for Payment to Contractor, indicating in writing the reasons for refusing to recommend

final payment, in which case Contractor shall make the necessary corrections and resubmit the Application for Payment.

- C. *Completion of Work*: The Work is complete (subject to surviving obligations) when it is ready for final payment as established by the Engineer's written recommendation of final payment.
- D. *Payment Becomes Due*: Thirty (30) days after the presentation to Owner of the final Application for Payment and accompanying documentation meeting the requirements of the Contract Documents, the amount recommended by Engineer (less any further sum Owner is entitled to set off against Engineer's recommendation, including but not limited to set-offs for liquidated damages and set-offs allowed under the provisions above with respect to progress payments) will become due and shall be paid by Owner to Contractor.

15.07 *Waiver of Claims*

- A. The making of final payment will not constitute a waiver by Owner of claims or rights against Contractor. Owner expressly reserves claims and rights arising from unsettled Liens, from defective Work appearing after final inspection pursuant to Paragraph 15.05, from Contractor's failure to comply with the Contract Documents or the terms of any special guarantees specified therein, from outstanding Claims by Owner, or from Contractor's continuing obligations under the Contract Documents.
- B. The acceptance of final payment by Contractor will constitute a waiver by Contractor of all claims and rights against Owner other than those pending matters that have been duly submitted or appealed under the provisions of Article 17.

15.08 *Correction Period*

- A. If within one year after the date of Substantial Completion (or such longer period of time as may be prescribed by the terms of any applicable special guarantee required by the Contract Documents, or by any specific provision of the Contract Documents), any Work is found to be defective, or if the repair of any damages to the Site, adjacent areas that Contractor has arranged to use through construction easements or otherwise, and other adjacent areas used by Contractor as permitted by Laws and Regulations, is found to be defective, then Contractor shall promptly, without cost to Owner and in accordance with Owner's written instructions:
 - 1. correct the defective repairs to the Site or such other adjacent areas;
 - 2. correct such defective Work;
 - 3. if the defective Work has been rejected by Owner, remove it from the Project and replace it with Work that is not defective, and
 - 4. satisfactorily correct or repair or remove and replace any damage to other Work, to the work of others, or to other land or areas resulting therefrom.
- B. If Contractor does not promptly comply with the terms of Owner's written instructions, or in an emergency where delay would cause serious risk of loss or damage, Owner may have the defective Work corrected or repaired or may have the rejected Work removed and replaced. Contractor shall pay all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such correction or repair or such removal and replacement (including but not limited to all costs of repair or replacement of work of others).
- C. In special circumstances where a particular item of equipment is placed in continuous service before Substantial Completion of all the Work, the correction period for that item may start to run from an earlier date if so provided in the Specifications.
- D. Where defective Work (and damage to other Work resulting therefrom) has been corrected or removed and replaced under this paragraph, the correction period hereunder with respect to such Work will be

extended for an additional period of one year after such correction or removal and replacement has been satisfactorily completed.

- E. Contractor's obligations under this paragraph are in addition to all other obligations and warranties. The provisions of this paragraph shall not be construed as a substitute for, or a waiver of, the provisions of any applicable statute of limitation or repose.

ARTICLE 16 – SUSPENSION OF WORK AND TERMINATION

16.01 *Owner May Suspend Work*

- A. At any time and without cause, Owner may suspend the Work or any portion thereof for a period of not more than 90 consecutive days by written notice to Contractor and Engineer. Such notice will fix the date on which Work will be resumed. Contractor shall resume the Work on the date so fixed. Contractor shall be entitled to an adjustment in the Contract Price or an extension of the Contract Times, or both, directly attributable to any such suspension. Any Change Proposal seeking such adjustments shall be submitted no later than thirty (30) days after the date fixed for resumption of Work.

16.02 *Owner May Terminate for Cause*

- A. The occurrence of any one or more of the following events will constitute a default by Contractor and justify termination for cause:
 - 1. Contractor's persistent failure to perform the Work in accordance with the Contract Documents (including, but not limited to, failure to supply sufficient skilled workers or suitable materials or equipment or failure to adhere to the Progress Schedule);
 - 2. Failure of Contractor to perform or otherwise to comply with a material term of the Contract Documents;
 - 3. Contractor's disregard of Laws or Regulations of any public body having jurisdiction; or
 - 4. Contractor's repeated disregard of the authority of Owner or Engineer; or
 - 5. if Contractor abandons the Work, or assigns the Contract or any part thereof without the previous written consent of Owner, or if the Contract or any claim thereunder shall be assigned by Contractor otherwise than as herein specified.
- B. If one or more of the events identified in Paragraph 16.02.A occurs, then after giving Contractor (and any surety) ten days written notice that Owner is considering a declaration that Contractor is in default and termination of the contract, Owner may proceed to:
 - 1. declare Contractor to be in default, and give Contractor (and any surety) notice that the Contract is terminated; and
 - 2. enforce the rights available to Owner under any applicable performance bond.
- C. Subject to the terms and operation of any applicable performance bond, if Owner has terminated the Contract for cause, Owner may exclude Contractor from the Site, take possession of the Work, incorporate in the Work all materials and equipment stored at the Site or for which Owner has paid Contractor but which are stored elsewhere, and complete the Work as Owner may deem expedient.
- D. Owner may not proceed with termination of the Contract under Paragraph 16.02.B if Contractor within seven days of receipt of notice of intent to terminate begins to correct its failure to perform and proceeds diligently to cure such failure.
- E. If Owner proceeds as provided in Paragraph 16.02.B, Contractor shall not be entitled to receive any further payment until the Work is completed. If the unpaid balance of the Contract Price exceeds the cost to complete the Work, including all related claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals) sustained by Owner, such excess will be paid to Contractor. If the cost to complete the Work including such related claims, costs,

losses, and damages exceeds such unpaid balance, Contractor shall pay the difference to Owner. Such claims, costs, losses, and damages incurred by Owner will be reviewed by Engineer as to their reasonableness and, when so approved by Engineer, incorporated in a Change Order. When exercising any rights or remedies under this paragraph, Owner shall not be required to obtain the lowest price for the Work performed.

- F. Where Contractor's services have been so terminated by Owner, the termination will not affect any rights or remedies of Owner against Contractor then existing or which may thereafter accrue, or any rights or remedies of Owner against Contractor or any surety under any payment bond or performance bond. Any retention or payment of money due Contractor by Owner will not release Contractor from liability.
- G. If and to the extent that Contractor has provided a performance bond under the provisions of Paragraph 6.01.A, the provisions of that bond shall govern over any inconsistent provisions of Paragraphs 16.02.B and 16.02.D.

16.03 *Owner May Terminate For Convenience*

- A. Upon seven (7) days written notice to Contractor and Engineer, Owner may, without cause and without prejudice to any other right or remedy of Owner, terminate the Contract. In such case, Contractor shall be paid for (without duplication of any items):
 - 1. completed and acceptable Work executed in accordance with the Contract Documents prior to the effective date of termination, including fair and reasonable sums for overhead and profit on such Work; and
 - 2. expenses sustained prior to the effective date of termination in performing services and furnishing labor, materials, or equipment as required by the Contract Documents in connection with uncompleted Work, plus fair and reasonable sums for overhead and profit on such expenses.
- B. Contractor shall not be paid on account of loss of anticipated overhead, profits, or revenue, or other economic loss arising out of or resulting from such termination.

16.04 *Contractor May Stop Work or Terminate*

- A. If, through no act or fault of Contractor, (1) the Work is suspended for more than ninety (90) consecutive days by Owner or under an order of court or other public authority, or (2) Engineer fails to act on any Application for Payment within thirty (30) days after it is submitted, or (3) Owner fails for thirty (30) days to pay Contractor any sum finally determined to be due, then Contractor may, upon ten (10) days written notice to Owner and Engineer, and provided Owner or Engineer do not remedy such suspension or failure within that time, terminate the contract and recover from Owner payment on the same terms as provided in Paragraph 16.03.
- B. In lieu of terminating the Contract and without prejudice to any other right or remedy, if Engineer has failed to act on an Application for Payment within thirty (30) days after it is submitted, or Owner has failed for thirty (30) days to pay Contractor any sum finally determined to be due, Contractor may, ten (10) days after written notice to Owner and Engineer, stop the Work until payment is made of all such amounts due Contractor, including interest thereon. The provisions of this paragraph are not intended to preclude Contractor from submitting a Change Proposal for an adjustment in Contract Price or Contract Times or otherwise for expenses or damage directly attributable to Contractor's stopping the Work as permitted by this paragraph.

ARTICLE 17 – CLAIMS AND FINAL RESOLUTION OF DISPUTES

17.01 *Methods and Procedures*

- A. *Disputes Subject to Final Resolution:* The following disputed matters are subject to final resolution under the provisions of this Article:
 - 1. A timely appeal of an approval in part and denial in part of a Claim, or of a denial in full; and

2. Disputes between Owner and Contractor concerning the Work or obligations under the Contract Documents, and arising after final payment has been made.
- B. *Final Resolution of Disputes:* For any dispute subject to resolution under this Article, Owner or Contractor may:
1. elect in writing to invoke the dispute resolution process provided for in the Supplementary Conditions; or
 2. agree with the other party to submit the dispute to another dispute resolution process; or if no dispute resolution process is provided for in the Supplementary Conditions or mutually agreed to, give written notice to the other party of the intent to submit the dispute to a court of competent jurisdiction.

17.02 Continuing Contract Performance

A. Pending final resolution of a Claim, except as otherwise agreed in writing, Contractor shall proceed diligently with performance of the Work in accordance with the Contract Documents and to satisfy its obligations under the Contract and Owner shall continue to make payments in accordance with the Contract Documents. Contractor will prepare Change Orders for Owner's approval and Engineer will approve Applications for Payment in accordance with the Contract Documents.

17.03 Claims for Additional Cost

A. If Contractor wishes to make a Claim for an increase in the Contract Price, written notice as provided herein shall be given before proceeding to execute the Work. Prior notice is not required for Claims relating to an emergency endangering life or property arising under Paragraph 7.15 of these General Conditions.

17.04 Claims for Additional Time

A. If Contractor wishes to make a Claim for an increase in the Contract Time, written notice as provided herein shall be given. Contractor's Claim shall include an estimate of cost and of probable effect of delay on progress of the Work. In the case of a continuing delay, only one Claim is necessary.

17.05 Claims for Consequential Damages

A. Contractor waives Claims against Owner for consequential damages arising out of or relating to this Contract. This waiver includes damages incurred by Contractor for principal office expenses including the compensation of personnel stationed there, for losses of financing, business and reputation, and for loss of profit except anticipated profit arising directly from the Work. This waiver is applicable, without limitation, to all consequential damages due to the Owner's termination in accordance with paragraph 16.03 of these General Conditions. Contractor shall not under any circumstances be entitled to any damages for delay other than recovery of additional amounts payable in accordance with the Contract Documents based upon a duly executed change order.

17.06 Resolution By Representatives

A. In the event of a claim, dispute, or other matter in question between Owner and Contractor arising out of or relating to this Contract, by written notice to the other, the parties may seek to resolve such claim or dispute by way of a meeting between the principals of both Owner and Contractor within ten (10) days after receipt of such written notice or such longer period of time as mutually agreed to in writing by the parties. Owner and Contractor shall in good faith attempt to resolve such claim or dispute within thirty (30) days. If a principal of either Owner or Contractor declares an impasse between the parties with regard to such claim or dispute, then the parties shall resolve such a claim or dispute by mediation set forth in Article 12.

ARTICLE 18 – MISCELLANEOUS

18.01 *Giving Notice*

- A. Whenever any provision of the Contract Documents requires the giving of written notice, it will be deemed to have been validly given if:
 - 1. delivered in person, by a commercial courier service or otherwise, to the individual designated as the representative of the party receiving notice in accordance with Paragraph 2.04; or
 - 2. delivered at or sent by registered or certified mail, postage prepaid, to notice address set forth in Section 18.01.B, or by e-mail provided that the receipt of such e-mail is duly acknowledged by the recipient and the recipient further acknowledges that acceptance of the e-mail constitutes delivery of the notice.
- B. The notice address of Owner and Contractor are as set forth on the signature page of the Agreement. Either party may change the notice address by giving notice of the new address in accordance with this Paragraph 18.01.

18.02 *Computation of Times*

- A. When any period of time is referred to in the Contract by days, it will be computed to exclude the first and include the last day of such period. If the last day of any such period falls on a Saturday or Sunday or on a day made a legal holiday by the law of the applicable jurisdiction, such day will be omitted from the computation.

18.03 *Cumulative Remedies*

- A. The duties and obligations imposed by these General Conditions and the rights and remedies available hereunder to the parties hereto are in addition to, and are not to be construed in any way as a limitation of, any rights and remedies available to any or all of them which are otherwise imposed or available by Laws or Regulations, by special warranty or guarantee, or by other provisions of the Contract. The provisions of this paragraph will be as effective as if repeated specifically in the Contract Documents in connection with each particular duty, obligation, right, and remedy to which they apply.

18.04 *Limitation of Damages*

- A. With respect to any and all Change Proposals, Claims, disputes subject to final resolution, and other matters at issue, neither Owner nor Engineer, nor any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors, shall be liable to Contractor for any claims, costs, losses, or damages sustained by Contractor on or in connection with any other project or anticipated project.

18.05 *No Waiver*

- A. A party's non-enforcement of any provision shall not constitute a waiver of that provision, nor shall it affect the enforceability of that provision or of the remainder of this Contract.

18.06 *Survival of Obligations*

- A. All representations, indemnifications, warranties, and guarantees made in, required by, or given in accordance with the Contract, as well as all continuing obligations indicated in the Contract, will survive final payment, completion, and acceptance of the Work or termination or completion of the Contract or termination of the services of Contractor.

18.07 *Controlling Law*

- A. This Contract is to be governed by the law of the state in which the Project is located.

18.08 *Headings*

- A. Article and paragraph headings are inserted for convenience only and do not constitute parts of these General Condition.

EXHIBIT A

Bonding and Insurance

Exhibit contains only coverage types and minimum limits of insurance, for additional requirements refer to Article 6

Bonds

A Bid Security is to be provided by each CONTRACTOR in the amount of five percent (5%) of the maximum Bid price and shall be in the form of:

1. A bid bond is required and shall have an A.M. Best Company rating of A or better. The prescribed type of Bid Bond is included in these documents.
2. A certified or bank cashier's check drawn to the order of Bonita Springs Utilities, Inc.

Insurance / Bond Type	Required Limits	
1. <input checked="" type="checkbox"/> Worker's Compensation	Statutory Limits	
<input checked="" type="checkbox"/> Employer's Liability	Bodily Injury by Accident Bodily Injury by Disease Bodily Injury by Disease	\$500,000 Each Accident \$500,000 Policy Limit \$500,000 Each Employee
3. <input checked="" type="checkbox"/> Commercial General Liability	General Aggregate Products-Completed Operations Aggregate Personal & Advertising Injury Each Occurrence Including Owner as "Additional Insured"	\$ 5,000,000 Aggregate \$ 5,000,000 Aggregate \$ 3,000,000 Per Person or Organization \$ 3,000,000 Per Occurrence
4. <input checked="" type="checkbox"/> Automobile Liability	Owned, non-owned, and hired including Owner as "Additional Insured"	\$ 1,000,000 Per Occurrence \$ 10,000,000 Aggregate
5. <input type="checkbox"/> Other insurance as noted:	<input type="checkbox"/> Professional Liability	\$ Per Occurrence \$ Aggregate
	<input type="checkbox"/> Pollution Liability	\$ Per Occurrence \$ Aggregate
	<input type="checkbox"/> Project Professional Liability	\$ Per Occurrence \$ Aggregate
	<input type="checkbox"/> United States Longshoreman's and Harborworker's	Statutory Limits
	<input type="checkbox"/> Jones Act	Federal Limits
	<input type="checkbox"/> Watercraft/Marine Liability	\$ Per Occurrence \$ Aggregate
6. <input checked="" type="checkbox"/> Performance and Payment Bonds	Bonds shall be submitted with the executed contract and written for 100% of the Contract price.	

BID FORM



PROJECT IDENTIFICATION

BONITA SPRINGS UTILITIES, INC.
Master Pump Station 130 Refurbishment Project

CONTRACT IDENTIFICATION AND NUMBER

THIS BID SUBMITTED TO:

BONITA SPRINGS UTILITIES, INC.
11900 EAST TERRY STREET
BONITA SPRINGS, FL 34135

1. The undersigned BIDDER proposes and agrees, if this Bid is accepted, to enter into an agreement with OWNER in the form included in the Contract Documents to perform and furnish all Work as specified or indicated in the Contract Documents for the Bid price and within the Bid Times indicated in this Bid and in accordance with the other terms and conditions of the Contract Documents.
2. BIDDER accepts all of the terms and conditions of the Advertisement or Invitation to Bid and Instructions to Bidders, including without limitation those dealing with disposition of Bid security. This Bid will remain subject to acceptance for thirty-five days after the day of Bid opening. BIDDER will sign and deliver the required number of counterparts of the Agreement with the Bonds and other documents required by the Bidding Requirements within fifteen days after the date of OWNER'S Notice of Award.
3. In submitting this Bid, BIDDER represents, as more fully set forth in the Agreement, that:
 - a) BIDDER has examined and carefully studied the Bidding Documents and the following Addenda receipt of all which is hereby acknowledged: (List Addenda by Addendum Number and Date)

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- b) BIDDER has visited the site and become familiar with and is satisfied as to the general, local and site conditions that may affect cost, progress, performance and furnishing of the Work;
 - c) BIDDER is familiar with and is satisfied as to all federal, state and local Laws and Regulations that may affect cost, progress, performance and furnishing of the Work.
 - d) BIDDER is aware of the general nature of Work to be performed by OWNER and others at the site that relates to Work for which this Bid is submitted as indicated in the Contract Documents.

- e) BIDDER has correlated the information known to BIDDER, information and observations obtained from visits to the site, reports and drawings identified in the Contract Documents and all additional examinations, investigations, explorations, tests, studies and data with the Contract Documents.
- f) BIDDER has given ENGINEER written notice of all conflicts, errors, ambiguities or discrepancies that BIDDER has discovered in the Contract Documents and the written resolution thereof by ENGINEER is acceptable to BIDDER, and the Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performing and furnishing the Work for which this Bid is submitted.
- g) This Bid is genuine and not made in the interest or of on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; BIDDER has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; BIDDER has not solicited or induced any person, firm or corporation to refrain from bidding; and BIDDER has not sought by collusion to obtain for itself any advantage over any other Bidder or over OWNER.
- h) (Any other representation required by Laws and Regulations.)

4. Unit Price Bid

Master Pump Station 130
Refurbishment

Bonita Springs Utilities
11900 E. Terry Street
Bonita Springs, FL 34131

BID ITEM	DESCRIPTION	QTY	UNIT	UNIT \$	TOTAL
<u>GENERAL CONDITIONS</u>					
1	Mobilization and Demobilization	1	LS		
a	Pre & Post Construction Videos	1	LS		
2	As-Built Survey and Record Drawings	1	LS		
3	Maintenance of Traffic and Access	1	LS		
4	Maintenance of Operations	1	LS		
<u>MASTER PUMP STATION 130 IMPROVEMENTS</u>					
5	Demolition/Removal of Existing equipment				
6	Flygt Pump and Control Panel Package	1	LS		
7	Electrical Improvements				
8	Polymer Concrete Wet Well, Top Slab, and	1	LS		
9	Above Grade Header Assembly and Valve	1	LS		
10	8" Force Main Bypass Assembly	1	LS		
11	Manhole Improvements	1	LS		
12	2" Water Service, Meter, Backflow, Spigo	1	LS		
13	Evoqua Zabocs Odor Control Unit & Conc	1	LS		
14	Kohler Generator, ATS, and Concrete Pa	1	LS		
15	Access Drive	68.5	SQ YD		
16	Contingency	1	LS		
CONTRACTOR TOTAL BID					\$0.00
<i>The information provided on the bid sheet are best estimates.</i>					
The contractor has completed a site visit and does not see any discrepancies with the plans.					
Acknowledge by initialing here					

COMPANY NAME AND TOTAL PROJECT BID AMOUNT (WRITTEN OUT)

_____ Dollars and
_____ cents.

5. BIDDER agrees that the Work will be substantially completed within **330** calendar days after the date when the Contract Time commences to run as provided in paragraph 4.02 of the General Conditions, and final completion and ready for final payment in accordance with paragraph 15.06 of the General Conditions within **360** calendar days after the date when the Contract Time commences to run.

BIDDER accepts the provisions of the Agreement as to liquidated damages of **\$250.00** per day in the event of failure to complete the Work within the times specified in the Agreement.

6. The following documents are attached to and made a condition of this Bid:

- a) Required Bid Security in the form of _____
- b) A tabulation of Subcontractors, Suppliers and other persons and organizations required to be identified in this bid.
- c) Required BIDDER'S Qualification Statement with support data.
- d) Florida Trench Safety Act Certificate or Compliance

7. Communications concerning this Bid shall be addressed to:

The address of BIDDER is indicated below.

The following address: _____

8. Terms used in this Bid which are defined in the General Conditions or Instructions will have the meanings indicated in the General Conditions or Instructions.

SUBMITTED on _____, 20____.

State CONTRACTOR License No. _____.

If BIDDER is:

An Individual

By _____(SEAL)
(Individual's Name)

doing business as _____

Business address: _____

Phone No.: _____

A Partnership

By _____(SEAL)
(Firm Name)

(General Partner)

Business address: _____

Phone No.: _____

A Corporation

By _____(SEAL)

(Corporation Name)

(State of Incorporation)

By _____
(Name of Person Authorized to Sign)

(Title)
(Corporate Seal)

Attest _____
(Secretary)

Business address: _____

Phone No.: _____

Date of Qualification to do business is _____

A Joint Venture

By _____
(Name)

(Address)

By _____(SEAL)
(Name)

(Address)

Phone Number and Address for receipt of official communications

(Each individual of the joint venture must sign. The manner of signing for each individual, partnership and corporation that is a party to the joint venture should be in the manner indicated above.)

LIST OF SUBCONTRACTORS

The Undersigned states that the following is a full and complete list of the proposed subcontractors on this Project and the class of work to be performed by each, and that such list will not be added to nor altered without written consent to the OWNER through the ENGINEER.

SUBCONTRACTOR AND ADDRESS	CLASS OF WORK TO BE PERFORMED
(1)	
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
DATED:	BIDDER
	BY:

STATEMENT OF EXPERIENCE OF BIDDER

The Bidder is required to state below what work of similar magnitude is a judge of his experience, skill and business standing and of his ability to conduct the work as completely and as rapidly as required under the terms of the Contract.

PROJECT AND LOCATION	REFERENCE
(1)	
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
DATE:	BIDDER
	BY:

**FLORIDA TRENCH SAFETY ACT
CERTIFICATE OF COMPLIANCE**

The bidder acknowledges that included in the various items of the proposal and in the Total Bid Price are costs for complying with the Florida Trench Safety Act (90-96, Laws of Fla.) effective October 1, 1990. The bidder further identifies the costs to be summarized below:

	<u>AMOUNT</u>	<u>QUANTITY</u>	<u>UNIT COST</u>
1.	TRENCH SAFETY ACT COMPLIANCE	_____LF	_____
2.	SPECIAL SHORING	_____SF	_____

Identify method of compliance for Item #1: _____

Identify or attach a copy Special Shoring requirements for Item #2: _____

The undersigned certifies that he/she is the CONTRACTOR who will perform the trench excavation for this project, and hereby gives written assurance that he/she will comply with the applicable trench safety standards specifically set forth in Florida's Trench Safety Act, Laws of Florida, 90-96.

FIRM: _____

BY: _____

NAME: _____

TITLE: _____

Sworn to and subscribed before me this _____ day of _____, 20____.

Notary Public

My Commission Expires: _____

Bonita Spring Utilities, Inc.

MEASUREMENT AND PAYMENT

PART 1 - GENERAL

1.1 SCOPE OF WORK

- A. The total price shall cover all Work required to successfully complete the project. All costs in connection with the proper and successful completion of the Work, including furnishing all materials, equipment, supplies, and appurtenances; providing all construction equipment and tools; and performing all necessary labor and supervision to fully complete the Work, shall be included in the lump sum and unit prices. All Work not specifically set forth as a pay item in the Bid Form(s) shall be considered a subsidiary obligation of Contractor and all costs in connection therewith shall be included in the prices bid.
- B. This section covers methods of measurement and payment for items of Work under this contract.

1.2 ESTIMATED QUANTITIES

- A. All estimated quantities stipulated in the Bid Form(s) or other Contract Documents are approximate and are to be used only as a basis for estimating the probable cost of the Work. The actual amounts of work done and materials furnished under unit price items may differ from the estimated quantities. The basis of payment for work and materials will be the actual amount of work done and materials furnished. Contractor agrees that he will make no claim for damages, anticipated profits, or otherwise on account of any difference between the amounts of work actually performed and materials actually furnished and the estimated amounts thereof, as described in the general conditions.

1.3 EXCAVATION

- A. Except where otherwise specified, the lump sum price for each item of Work which involves excavation or trenching shall include all costs for such Work. No direct payment shall be made for excavation or trenching. All excavation is unclassified and there shall be no separate payment for excavation of rock/cemented soils.

1.4 TAXES AND PERMITS

- A. The Contractor's attention is directed to the fact that the tax laws of the State of Florida, including but not limited to Chapter 212, Florida Statutes, apply to this pay matter and that all applicable taxes and fees shall be deemed to have been included in the Contractor's proposal.

1.5 RETAINAGE

- A. Refer to BSU provisions.

1.6 PARTIAL PAY REQUEST

- A. The installation of pipe and fittings includes backfill, compacting, testing, restoration and placing the facilities in operation. When measurements of the amount of work constructed each month are made, for the purpose of partial payment, Item 46 BSU's General Provisions will be considered.
 - a. In addition to Item 46 of BSU's General Provision, 5% of the amount of footage of pipe shall be withheld if the area has not been fine graded, properly restored to its previous or specified condition, cleaned up, and ready to be placed in operation.

1.7 LUMP SUM ITEMS

- A. The work for each Lump Sum pay item shall be constructed as shown and described on the Drawings and Specifications.
- B. Payment shall be made at the lump sum price stated for each item and shall be pro-rated for the actual work completed based on an approved schedule of values detailing work to be completed under the specific pay item, unless otherwise noted.
- C. Each lump sum price shall include all of the Contractor's costs to complete the construction exclusive of payment items provided for elsewhere in the pay form.
- D. Each lump sum price shall include, but not be limited to, the following:
 - 1. Excavation (including rock/cemented soils excavation)
 - 2. Dewatering and disposal of surplus water
 - 3. Bracing, sheeting and shoring
 - 4. Compaction and earth stabilization
 - 5. Restoration including grading, seeding, sod, curbing, asphalt, concrete drives and sidewalks, etc.
 - 6. Testing and placing system into operation and acceptance including all required materials and equipment.
 - 7. Appurtenant work and materials as required for a complete and operable system.

1.8 MEASUREMENT AND PAYMENT

Pay Item 1: Mobilization and Demobilization

- a. Description: The lump sum amount for this Pay Item shall include all labor, material and equipment necessary for the Contractor to mobilize and demobilize. Mobilization shall be the preparatory work and operations in mobilizing for beginning work on the project, including, but not limited to, those operations necessary for the movement of personnel, equipment, supplies and incidentals to the project site, pre-construction video, post-construction video, installation and maintenance of erosion control measures, the establishment of temporary offices, storage buildings, staging areas, safety equipment and first aid supplies, sanitary and other facilities as required by the Contract Documents and applicable laws and regulations. The costs of bonds, required insurance and any other preconstruction expense necessary for the start of the work, excluding the cost of construction materials, shall also be included in this item. Fifty percent (50%) of this pay item will be paid upon demonstration of mobilization and the balance will be paid with the final pay request.
- b. The price for mobilization shall not exceed 10% of the total project cost.

Pay Item 2: As Built Survey and Record Drawings

- a. Description: The lump sum amount for this Pay Item shall include all labor, material and equipment necessary to provide the as built survey and record drawings as specified in the Contract Documents.
- b. Payment: Final Payment will be made at the lump sum price after acceptance of the record drawings by BSU, following review and any necessary corrections, and will be included on the final pay request.

Pay Item 3: Maintenance of Traffic and Access

- a. Description: The lump sum amount for this Pay Item shall include all labor, material and equipment necessary to provide maintenance of vehicular and pedestrian traffic for the duration of the project including, but not limited to, preparation of a Maintenance of Traffic Plan consistent with the Contractor's

schedule, means and methods; updating as required due to changes during the performance of the Work; construction and maintenance of any necessary detour facilities; providing of necessary facilities and way-finder signs to provide access and direction to residences, businesses, etc., along the project; the furnishing, installing and maintaining traffic control and safety devices during construction, including the placement and removal of temporary pavement markings, placement and removal of excavation plating or ramps, temporary vehicular and pedestrian lanes, the control of dust, provisions for emergency and delivery traffic, and any other special requirements for safe and expeditious movement of traffic. The term Maintenance of Traffic shall include all of such facilities, devices and operations as are required for the safety and convenience of the public as well as for minimizing public nuisance.

- b. Measurement: Measurement will be based on the percent complete acceptance of the work completed in full.
- c. Payment: Payment shall be made at the lump sum price as a percentage of work completed in full.

Pay Item 4: Maintenance of Operations

- a. Description: The lump sum amount for this Pay Item shall include all labor, material and equipment necessary to temporarily bypass the existing gravity sewer and its laterals including, but not limited to, bypass pumps, floats and alarms; excavating, including any sloping, sheeting, or shoring required to comply with OSHA and State trench safety laws; dewatering; bedding, backfill and compaction; protection of existing above ground and underground utilities; disposal of excess soil; and all ancillary items as indicated on the drawings and specified unless indicated elsewhere.
- b. Measurement: Measurement will be based on the acceptance of the work completed in full.
- c. Payment: Payment shall be made at the lump sum price as a percentage of work completed in full.

Pay Item 5: Demolition

- a. Description: The lump sum amount for this Pay Item shall include all labor, material and equipment necessary for the removal and disposal of the existing valve vault, piping, valves, fittings, force

main piping, fittings, and valves, pump control panel, antenna, and pad, odor control vent and piping, wet well coating, bench and fillet, top slab and hatch, water service, meter, backflow, and hose spigot, manhole top, existing vegetation within the BSU easement and footprint of proposed work, and pumps and appurtenances whether or not shown on the Drawings or Specified herein.

- b. Measurement: Measurement will be based on the acceptance of the work completed in full.
- c. Payment: Payment shall be made at the lump sum price as a percentage of work completed in full.

Pay Item 6: Flygt Pump and Control Panel Package

- a. Description: The lump sum amount for this Pay Item shall include all labor, material and equipment necessary to furnish and install new submersible pumps and control panel package including, but not limited to, new base plates and elbows, rails and brackets, floats and cable holder, pump risers and appurtenances, mounting, hardware, appurtenances, startup, exploratory excavation; excavating, protection of existing above and below grade utilities, VFD, and all other equipment needed for a complete, tested, and fully operational system, whether or not shown on the Drawings or Specified herein.
- b. Measurement: Measurement will be based on the acceptance of the work completed in full.
- c. Payment: Payment shall be made at the lump sum price as a percentage of work completed in full.

Pay Item 7: Electrical Improvements

- a. Description: The lump sum amount for this Pay Item shall include all labor, material and equipment necessary to coordinate with the electric utility and furnish and install a new disconnect and meter can.
- b. Measurement: Measurement will be based on the acceptance of the work completed in full.
- c. Payment: Payment shall be made at the lump sum price as a percentage of work completed in full.

Pay Item 8: Polymer Concrete Wet Well, Top Slab, and Hatch

-
- a. Description: The lump sum amount for this Pay Item shall include all labor, material and equipment necessary to furnish and install new polymer concrete wet well inside the existing wetwell, including but not limited to placement of non-excavatable flowable fill or approved equal to fill void space between existing wet well and new polymer concrete wet well, polymer concrete top slab and aluminum hatch as specified herein and shown within the Contract Documents.
 - b. Measurement: Measurement will be based on the acceptance of the work completed in full.
 - c. Payment: Payment shall be made at the lump sum price as a percentage of work completed in full.

Pay Item 9: Above Grade Header Assembly and Valves

- a. Description: The lump sum amount for this Pay Item shall include all labor, material and equipment necessary to furnish and install new Above Grade Header Assembly and Valves including, but not limited to, pipe supports, painting, connection to existing force main, exploratory excavation; excavating, including any sloping, sheeting, or shoring required to comply with OSHA and State trench safety laws; dewatering; bedding, backfill and compaction; protection of existing above ground and underground utilities; disposal of excess soil; all specified testing; mounting, hardware, and appurtenances.
- b. Measurement: Measurement will be based on the acceptance of the work completed in full.
- c. Payment: Payment shall be made at the lump sum price as a percentage of work completed in full.

Pay Item 10: 8" Force Main Bypass Assembly

- a. Description: The unit price amount for this Pay Item shall include all labor, material and equipment necessary to install below grade plug valves, fittings, and C900 P.V.C. piping including, but not limited to, valve boxes and covers; valve identification tags; concrete valve box pad; extension stems; excavating, including any sloping, sheeting, or shoring required to comply with OSHA and State trench safety laws backfill; dewatering; bedding, backfill and compaction, cut-in and removal, and all ancillary items as indicated on the drawings to connect existing force mains as shown in the Contract Documents.
- b. Measurement: Measurement will be based on the acceptance of

the work completed in full.

- c. Payment: Payment shall be made at the lump sum price as a percentage of work completed in full.

Pay Item 11: Manhole Improvements

- a. Description: The lump sum amount for this Pay Item shall include all labor, material and equipment necessary to plug the existing influent 4" force main and recoat the entire manhole per BSU approved products including but not limited to removal of material within the manhole, as shown in the Contract Documents.
- b. Measurement: Measurement will be based on the acceptance of the work completed in full.
- c. Payment: Payment shall be made at the lump sum price as a percentage of work completed in full.

Pay Item 12: 2" Water Service, Meter, Backflow, and Spigot

- a. Description: The lump sum amount for this Pay Item shall include all labor, material and equipment necessary to furnish and install a new 2" water service, across and under Country Club Drive per BSU's standard details and specifications from the existing main located on the south side of the ROW, as well as the meter, backflow and hose spigot as shown in the BSU standard details and Contract Documents, including, but not limited to, connection to existing water main, exploratory excavation; excavating, including any sloping, sheeting, or shoring required to comply with OSHA and State trench safety laws; dewatering; bedding, backfill and compaction; protection of existing above ground and underground utilities; disposal of excess soil; all specified testing; mounting, hardware, and appurtenances, and required City of Bonita Springs ROW permitting.
- b. Measurement: Measurement will be based on the acceptance of the work completed in full.
- c. Payment: Payment shall be made at the lump sum price as a percentage of work completed in full.

Pay Item 13: Evoqua Zabocs Odor Control Unit and Concrete Pad

- a. Description: The lump sum amount for this Pay Item shall include all labor, material and equipment necessary to furnish and install the new odor control unit, concrete pad, and necessary piping, including, but not limited to, electrical conduits and wiring

necessary to connect to the new pump control panel, concrete equipment pad, exploratory excavation; excavating, including any sloping, sheeting, or shoring required to comply with OSHA and State trench safety laws; dewatering; bedding, backfill and compaction; protection of existing above ground and underground utilities; disposal of excess soil; all specified testing; mounting, hardware, and appurtenances as shown in the Contract Documents. Electrical conduit locations to be field coordinated with staff.

- b. Measurement: Measurement will be based on the acceptance of the work completed in full.
- c. Payment: Payment shall be made at the lump sum price as a percentage of work completed in full.

Pay Item 14: Kohler Generator, ATS, and Concrete Pad

- a. Description: The lump sum amount for this Pay Item shall include all labor, material and equipment necessary to furnish and install new Kohler TAW generator, concrete generator pad, and automatic transfer switch (ATS), including, but not limited to, painting, connection to pump station power supply and control panel, exploratory excavation; excavating, including any sloping, sheeting, or shoring required to comply with OSHA and State trench safety laws; dewatering; bedding, backfill and compaction; protection of existing above ground and underground utilities; disposal of excess soil; all specified testing; mounting, hardware, and appurtenances as specified and shown within the Contract Documents. Electrical conduit locations to be field coordinated with staff.
- b. Measurement: Measurement will be based on the acceptance of the work completed in full.
- c. Payment: Payment shall be made at the lump sum price as a percentage of work completed in full.

Pay Item 15: Access Drive

- a. Description: The unit price amount for this Pay Item shall include all labor, material and equipment necessary for the installation of a new access drive including, but not limited to, placing and compacting subbase, base and asphaltic concrete pavement; prime coats; tack coats;; all grading required to achieve elevations identified in the field; and all ancillary items including required City of Bonita ROW permitting as indicated on the drawings and specified unless indicated elsewhere.

-
- b. Measurement: Measurement shall be the area in square feet of completed rive installed where shown on the drawings or where directed by the Project Representative.
 - c. Payment: Payment shall be the actual number of square yards installed.

BSU STANDARD SPECIFICATIONS

Can be all located at:

**[https://bsu.us/construction-new-development/
construction-specifications-details-and-policies/](https://bsu.us/construction-new-development/construction-specifications-details-and-policies/)**



BSU PUMP STATION DETAILS & STANDARD DETAILS
can be located at

<https://bsu.us/construction-new-development/construction-specifications-details-and-policies/>

Master Pump Station 130 Refurbishment Plans

Located in City of Bonita Springs, Lee County
Section 28, Township 47 South, Range 25 East

Plans Prepared For:



Bonita Springs Utilities, Inc.
11900 E. Terry Street
Bonita Springs, FL 34135
Telephone: (239) 992-0711
Fax: (239) 992-9223

Property Data:

Site Location: 26301 Siena Dr., Bonita Springs, FL 34134
Latitude: 26° 21' 35.5" N
Longitude: 81° 48' 54.8" W
Folio ID No.: 10555577
Strap No.: 28-47-25-B1-0160C.00CE & 28-47-25-B1-0120B.00CE

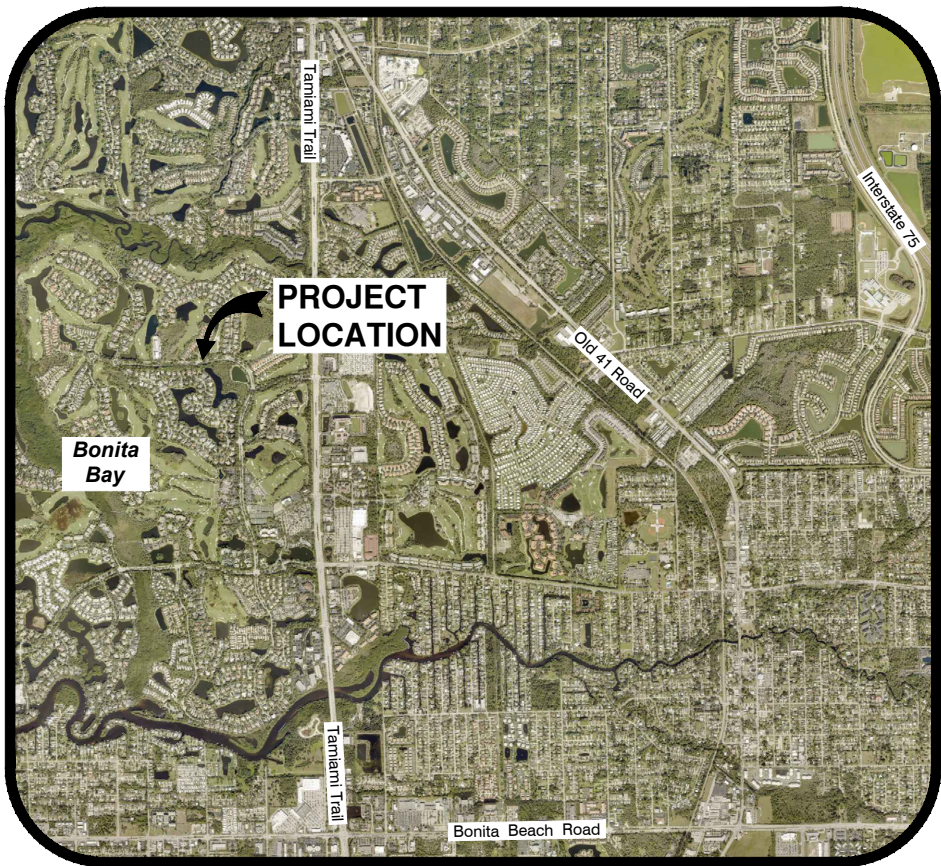
Legal Description:

Bonita Bay U-17 P.B. 50, Pgs. 42 Thru 44, Tract C Buffer



Know what's below.
Call before you dig.

DESIGN TICKET No.:



Index of Drawings

Dwg No.	Description
1	COVER SHEET AND INDEX OF DRAWINGS
2	GENERAL NOTES
3	AERIAL PHOTOGRAPH, EXISTING CONDITIONS, AND DEMOLITION PLAN
4	PROPOSED SITE AND UTILITY PLAN
5	PAVING, GRADING, AND DRAINAGE PLAN
6	DRIVEWAY CROSS SECTION
7	PROPOSED SECTIONS AND DETAILS
8	PUMP STATION DETAILS
9	WASTEWATER DETAILS
10	COMBINATION WATER/WASTEWATER DETAILS
11	WATER DETAILS
12	BACKFLOW DETAILS

ORIGINAL SHEET SIZE: 11"x17"

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED OR ENLARGED IN SIZE BY REPRODUCTIONS. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

Revisions

REV	DATE	DESCRIPTION	BY

Location Map

N.T.S.

Prepared by:



GradyMinor

Civil Engineers • Land Surveyors • Planners • Landscape Architects
Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151 Business LC 26000266
Bonita Springs: 239.947.1144 www.GradyMinor.com Fort Myers: 239.690.4380

Q. Grady Minor and Associates, P.A.
3800 Via Del Rey
Bonita Springs, Florida 34134

ALEXANDER PAUL DUNKO, P.E.
Q. GRADY MINOR & ASSOC., P.A.
3800 VIA DEL REY
BONITA SPRINGS, FL 34134
FLORIDA P.E. LICENSE NO. 88695
EB/LB 0005151

Master Pump Station 130
Refurbishment Plans

GradyMinor

DATE: JANUARY, 2024
FILE NAME: BSU20-COVER(SHEET 1-2).DWG
JOB CODE: BSU20
DRAWING NUMBER 1 OF 12

SUBMITTAL
100% PLANS

GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO BONITA SPRINGS UTILITIES (B.S.U.) STANDARD SPECIFICATIONS AND DETAILS. IF A CONTRADICTION IS DISCOVERED BETWEEN B.S.U. STANDARDS, THE PROJECT DRAWINGS, AND/OR THE PROJECT SPECIFICATIONS, THE STRICTER REQUIREMENT SHALL BE ASSUMED.
2. EROSION CONTROL STRUCTURES, SEDIMENT SUMPS, AND OTHER BMP FEATURES REQUIRED SHALL BE INSTALLED BEFORE CONSTRUCTION BEGINS.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY DEVIATION IN PLAN INFORMATION SHALL BE REPORTED TO THE ENGINEER AND OWNER.
4. CONTRACTOR IS REQUIRED TO OBTAIN FROM THE ENGINEER AND OWNER WRITTEN APPROVAL FOR ANY DEVIATION IN PLANS AND/OR SPECIFICATIONS.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AND USAGE OF THE EXISTING STREETS ADJACENT TO THE PROJECT. ALL TRAFFIC MAINTENANCE CONTROL SHALL BE IN ACCORDANCE WITH FLORIDA MANUAL OF TRAFFIC CONTROL AND SAFE PRACTICES FOR STREET CONSTRUCTION, MAINTENANCE, AND UTILITY OPERATIONS. TRAFFIC CONTROL OPERATION PROCEDURES SHALL BE SUBMITTED TO OWNER FOR APPROVAL PRIOR TO BEGINNING CONSTRUCTION.
6. CONTRACTOR SHALL ATTEND PRE-CONSTRUCTION MEETING WITH OWNER AND ENGINEER PRIOR TO START OF CONSTRUCTION.
7. ALL FILL SLOPES SHALL BE PROPERLY COMPACTED AS REQUIRED PER B.S.U. STANDARDS AND SHALL BE SODDED AS DIRECTED BY OWNER WITHIN 24 HOURS OF FINAL GRADING.
8. THE CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ALL DAMAGED LANDSCAPE MATERIAL. THE CONTRACTOR SHALL PROTECT ALL TREES, BUSHES, AND IRRIGATION SYSTEMS DURING CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPLACE ANY EXISTING LANDSCAPING (I.E. SOD, BUSHES, TREES, ETC.) AND IRRIGATION PIPE, SPRINKLER HEADS, AND ALL IMPROVEMENTS THAT MAY HAVE TO BE REMOVED OR HAVE BEEN DAMAGED OR INJURED DURING CONSTRUCTION. THE CONTRACTOR IS REQUIRED TO COORDINATE WITH BONITA BAY FOR SURROUNDING AREA LANDSCAPE REPAIRS.
9. THE CONTRACTOR SHALL REPLACE OR REPAIR ANY DAMAGED PROPERTY OR IMPROVEMENTS TO A CONDITION EQUAL TO OR BETTER THAN EXISTED PRIOR TO CONSTRUCTION AT THE CONTRACTOR'S EXPENSE.
10. CONTRACTOR SHALL OBTAIN ALL STATE, COUNTY, AND LOCAL PERMITS NEEDED TO PERFORM THE WORK.
11. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATION, DEPTH, SIZE, QUANTITY, AND MATERIAL TYPE OF ALL UNDERGROUND UTILITIES IN THE WORK AREA PRIOR TO CONSTRUCTION USING PROCEDURES AND METHODS AS REQUIRED BY THE CONTRACT DOCUMENTS. THE LOCATION, TYPE, AND QUANTITY OF EXISTING UTILITIES SHOWN ON THIS PLAN IS APPROXIMATE AND SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO BEGINNING CONSTRUCTION.
12. THE CONTRACTOR IS REQUIRED TO FULLY INVESTIGATE THE SITE PRIOR TO SCHEDULING OR COMMENCING THE WORK.
13. THE CONTRACTOR IS RESPONSIBLE FOR BACKFILLING AND GRADING ALL DISTURBED AREAS.
14. THE CONTRACTOR SHALL ACCURATELY PLOT THE LOCATIONS AND ELEVATIONS OF ALL IMPROVEMENTS INSTALLED ON A FINAL SET OF RECORD DRAWINGS WHICH SHALL BE DELIVERED TO THE ENGINEER IMMEDIATELY.
15. DRIVEWAYS, SIDEWALKS, AND OTHER RIGHT-OF-WAY OR EASEMENT ENCROACHMENTS SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS OR BETTER, AND TO THE SATISFACTION OF THE ENGINEER.
16. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO SAFEGUARD ALL EXISTING STRUCTURES, UTILITIES, AND SURVEY MARKERS IN THE AREA.
17. GRAVITY MAINS AND FITTINGS SHALL BE SDR26 P.V.C.
18. THE CONTRACTOR SHALL COMPLY WITH ALL NPDES REGULATIONS INCLUDING SILT FENCE AND STORMWATER INLET PROTECTION, AND SHALL OBTAIN A DEWATERING PERMIT IF REQUIRED.
19. PRIOR TO DEMOLITION AND DISPOSAL, CONTRACTOR TO COORDINATE WITH BSU STAFF FOR ITEMS TO BE SALVAGED AND RETURNED.

TRAFFIC CONTROL NOTES:

1. ACCESS ONTO EXISTING STREETS AND DRIVES SHALL BE MAINTAINED TO LOCAL TRAFFIC, DELIVERY VEHICLES, POSTAL VEHICLES, EMERGENCY VEHICLES, PUBLIC TRANSPORTATION, SOLID WASTE & RECYCLING VEHICLES, AND PROPERTY OWNERS, RESPECTIVELY. CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES ON PUBLIC OR PRIVATE ROADWAYS
2. THE IMPLEMENTATION OF THE TRAFFIC CONTROL PLAN FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE 2009 EDITION WITH REVISION NUMBERS 1 AND 2 INCORPORATED. DATED MAY 2012 OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD PART VI. TRAFFIC CONTROLS FOR STREET AND HIGHWAY CONSTRUCTION AS REVISED TO DATE), FOR GENERAL TRAFFIC CONTROL ZONE REQUIREMENTS AND ADDITIONAL INFORMATION, REFER TO THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION BOOKLET "DESIGN STANDARDS" DATED 2020-21 AND INDEX REFERENCES TO 102-100 THROUGH 102-670 PER CURRENT FDOT STANDARDS.
3. WHERE FLAGGER AND WORKER SIGNS ARE USED, THE SIGNS SHALL BE COVERED OR REMOVED DURING PERIODS WHEN CONSTRUCTION OPERATIONS ARE SUSPENDED SUCH AS NIGHTS, WEEKENDS, AND HOLIDAYS.
4. PLACEMENT OF ALL CONSTRUCTION SIGNS SHALL BE FIELD LOCATED TO NOT BE IN CONFLICT WITH EXISTING SIGNS. EXISTING SIGNS NOT IN USE OR IN CONFLICT WITH LANE OR ROAD CLOSURE SHALL BE COVERED TEMPORARILY.
5. LANE CLOSURES SHALL BE SCHEDULED AS FOLLOWS:

a. ONE TRAVEL LANE SHALL BE KEPT OPEN FOR EACH DIRECTION WITHIN THE WORK AREA THROUGHOUT THE DURATION OF CONSTRUCTION, EXCEPT WHEN A ROAD CLOSURE IS PERMITTED BY THE CITY.

b. THE LOCATION AND DURATION OF EACH LANE CLOSURE INCLUDING TURN LANES, SHALL BE APPROVED BY THE COUNTY PRIOR TO IMPLEMENTATION OF THE CLOSURE.

c. NO WORK SHALL BE DONE REQUIRING A LANE CLOSURE BETWEEN THE FOLLOWING HOURS:

i. FROM 7:00 AM TO 9:00 AM, AND 3:30-6:30 PM , MONDAY THROUGH FRIDAY,UNLESS APPROVED BY THE CITY.

ii. WEEKENDS, HOLIDAYS. AND SPECIAL EVENT DAYS. AS PERMITTED BY THE CITY.

iii. EMERGENCIES AS DEEMED NECESSARY BY LEE COUNTY EMERGENCY MANAGEMENT, LAW ENFORCEMENT AUTHORITIES OR THE CITY.
6. THE MINIMUM WIDTH OF ANY TRAVEL LANE AT ANY TIME SHALL BE 10 FEET.
7. UTILITY RELOCATION WORK SHALL BE COORDINATED BY THE CONTRACTOR TO AVOID ANY CONFLICT WITH THE VARIOUS PHASES OF THE TRAFFIC CONTROL PLAN.



					DESIGNED BY: A.P.D.
					DRAWN BY: E.M.N.
					APPROVED: A.P.D.
					JOB CODE: BSU20
					SCALE: N/A
Revision	Date	Description		By	



Q. Grady Minor and Associates, P.A.
3800 Via Del Rey
Bonita Springs, Florida 34134

Civil Engineers • Land Surveyors • Planners • Landscape Architects
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MASTER PUMP STATION 130

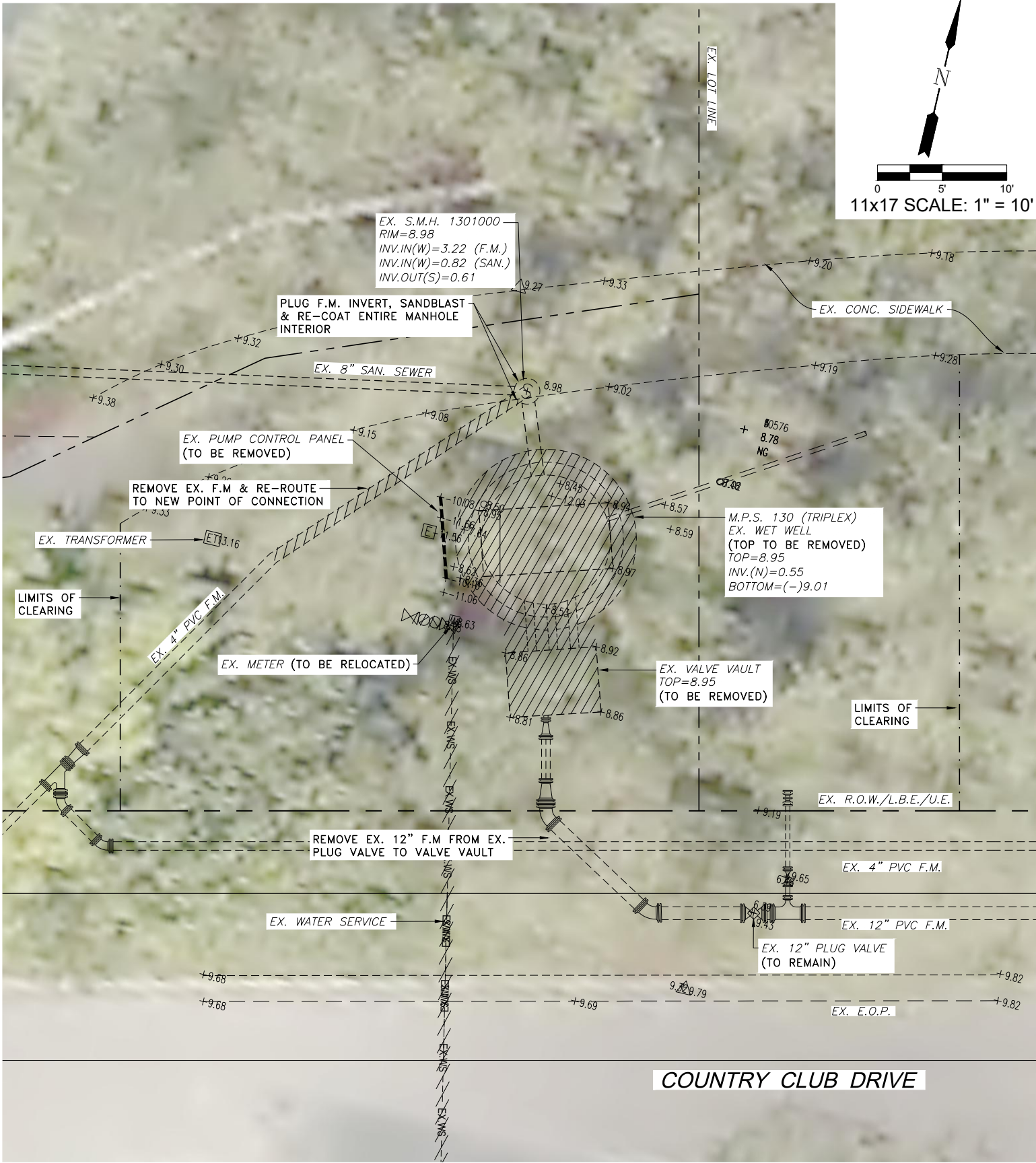
GENERAL NOTES

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)
CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)

ALEXANDER PAUL DUNKO, P.E.
FLORIDA P.E. LICENSE NO. 88695

MUNICIPALITY:
BONITA SPRINGS
SBC/TWN/RGE:
28/475/25E
DATE:
JANUARY, 2024
SUBMITTAL TYPE:
100% PLANS
SHEET 2 OF 12

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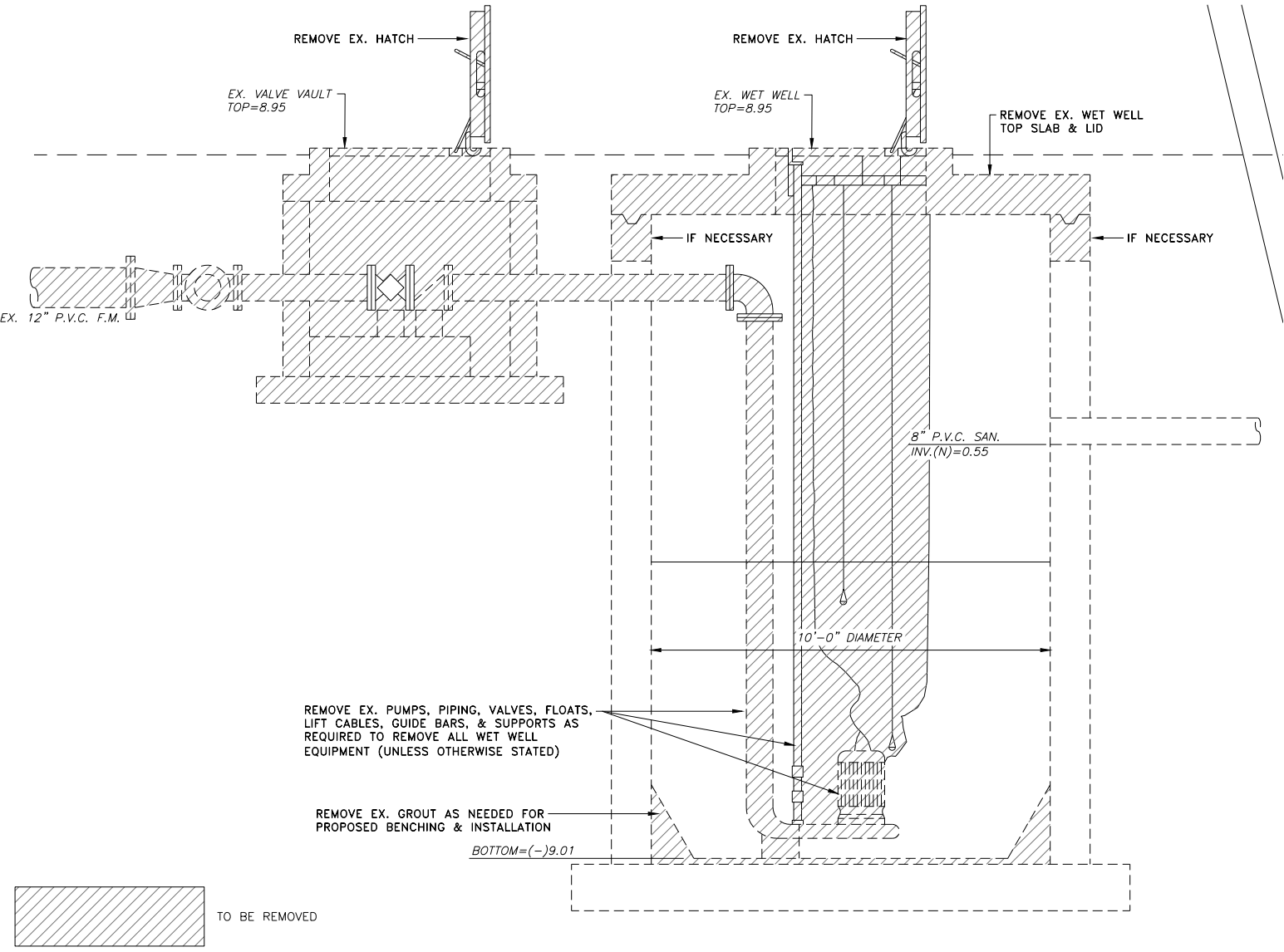
AERIAL PHOTOGRAPH and DEMOLITION PLAN

SCALE: 1"=10'



NOTES:

1. REMOVE EX. CONTROL PANEL & ALL ASSOCIATED ELECTRICAL CONDUITS.
2. REMOVE ALL EX. DUCTILE IRON PIPING, VALVES, & APPURTENANCES OF VALVE VAULT. DUCTILE IRON PIPING BEYOND VALVE VAULT SHALL BE REMOVED UP TO PVC/D.I. ADAPTOR AS NECESSARY.
3. CONTRACTOR SHALL COORDINATE w/F.P.L. FOR REPOSITIONING OF ELECTRICAL METER & ASSOCIATED ELECTRICAL CONDUIT.
4. CONTRACTOR SHALL PLUG ALL EX. PENETRATIONS INTO THE WETWELL THAT WILL NO LONGER BE USED & GROUT FILL. CONTRACTOR SHALL REMOVE ABANDONED PIPE AS NECESSARY.
5. ALL EQUIPMENT REMOVED SHALL REMAIN THE PROPERTY OF B.S.U.



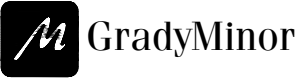
EXISTING EQUIPMENT and PIPING DEMOLITION

NOT TO SCALE



Revision	Date	Description	By

DESIGNED BY:	A.P.D.
DRAWN BY:	E.M.N.
APPROVED:	A.P.D.
JOB CODE:	BSU20
SCALE:	AS NOTED



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3800 Via Del Rey
Bonita Springs, Florida 34134

MASTER PUMP STATION 130

AERIAL PHOTOGRAPH, EXISTING CONDITIONS, AND DEMOLITION PLAN

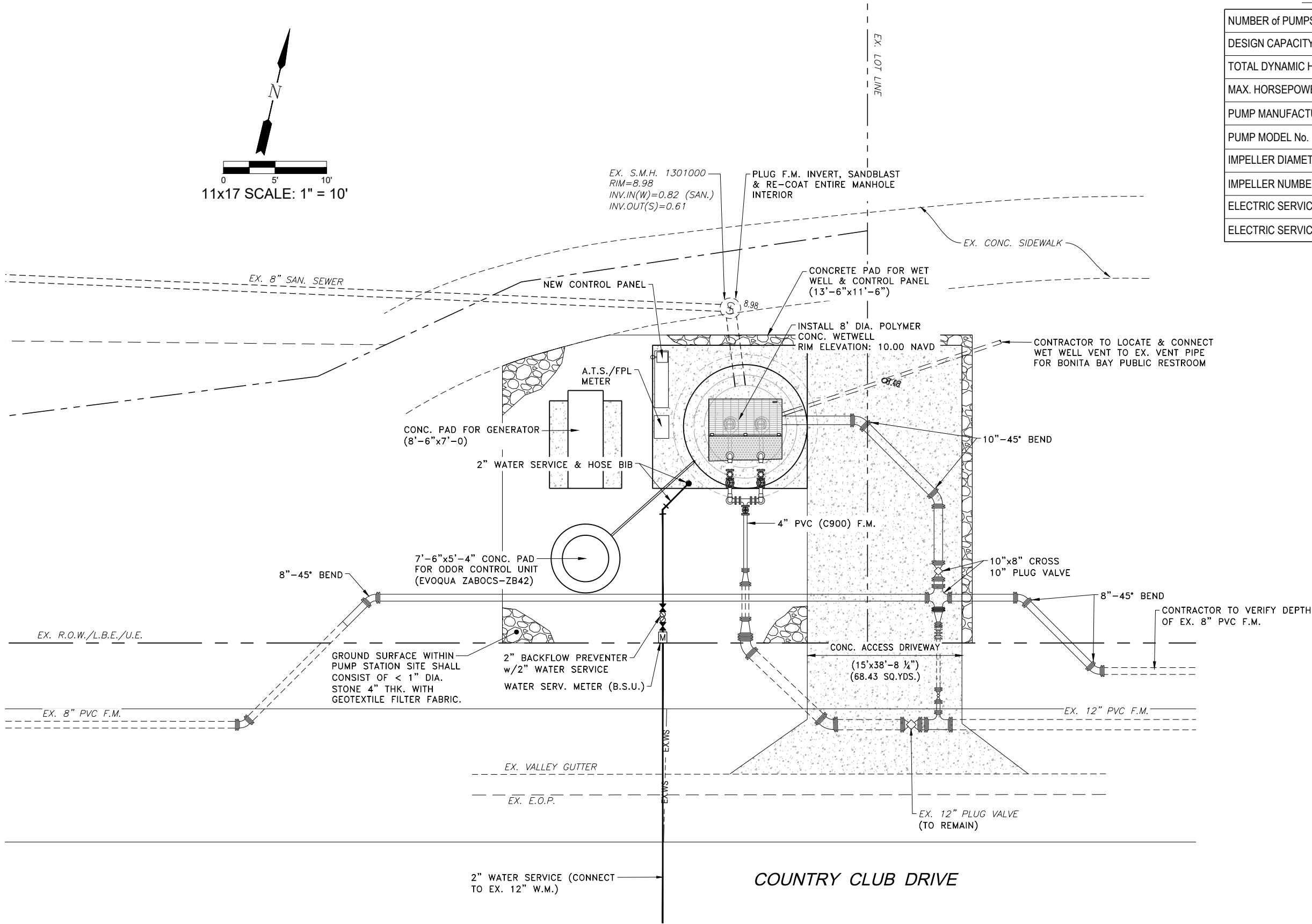
ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)
CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)

ALEXANDER PAUL DUNKO, P.E.
FLORIDA P.E. LICENSE NO. 88695

MUNICIPALITY:	BONITA SPRINGS
SBC/TWN/RGE:	28/47S/25E
DATE:	JANUARY, 2024
SUBMITTAL TYPE:	100% PLANS
SHEET	3 OF 12

PUMP DATA (M.P.S. 130)

NUMBER of PUMPS	2
DESIGN CAPACITY PER PUMP (g.p.m.)	450
TOTAL DYNAMIC HEAD (ft.)	49
MAX. HORSEPOWER PER PUMP (h.p.)	10
PUMP MANUFACTURER	FLYGT
PUMP MODEL No.	NP 3127 HT 3~ ADAPTIVE
IMPELLER DIAMETER (mm.)	215
IMPELLER NUMBER	488
ELECTRIC SERVICE VOLTAGE (v)	460
ELECTRIC SERVICE PHASE	3



Revision	Date	Description	By	

DESIGNED BY:	A.P.D.
DRAWN BY:	E.M.N.
APPROVED:	A.P.D.
JOB CODE:	BSU20
SCALE:	1"=10'



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MASTER PUMP STATION 130

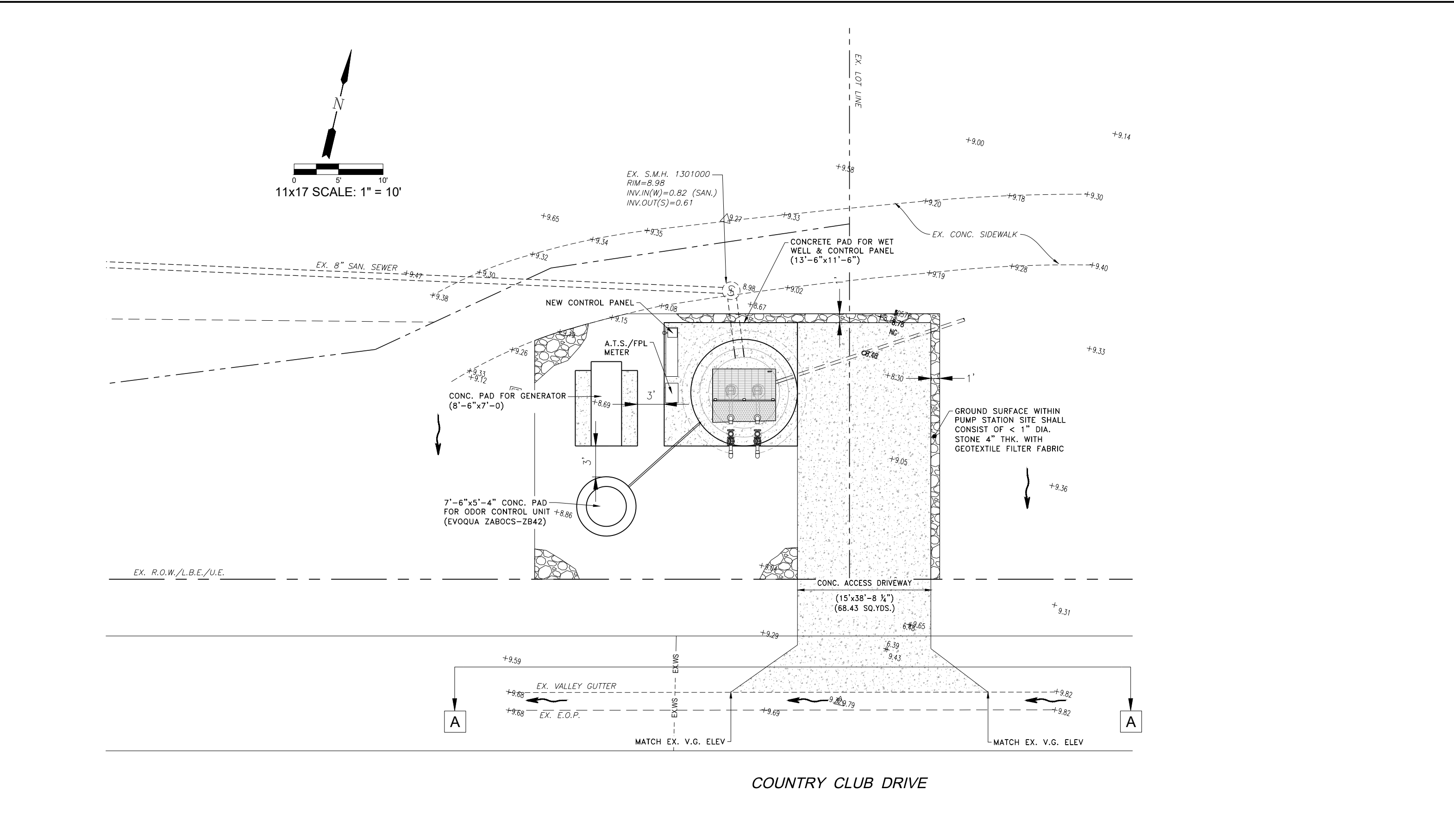
PROPOSED SITE AND UTILITY PLAN

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)
CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)

ALEXANDER PAUL DUNKO, P.E.
FLORIDA P.E. LICENSE NO. 88695

MUNICIPALITY:	BONITA SPRINGS
SBC/TWN/RGE:	28/47S/25E
DATE:	JANUARY, 2024
SUBMITTAL TYPE:	100% PLANS
SHEET	4 OF 12

G:\ENGINEERING\PROJ-ENR\BSU20\01DWGS\SUBMITTAL\TYPE\CONSTR\BSU20-SITE (SHEET 3-6) 2/13/2025 11:17 AM



Revision	Date	Description	By	

DESIGNED BY:	A.P.D.
DRAWN BY:	E.M.N.
APPROVED:	A.P.D.
JOB CODE:	BSU20
SCALE:	1"=10'



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Bonita Springs, Florida 34134

MASTER PUMP STATION 130

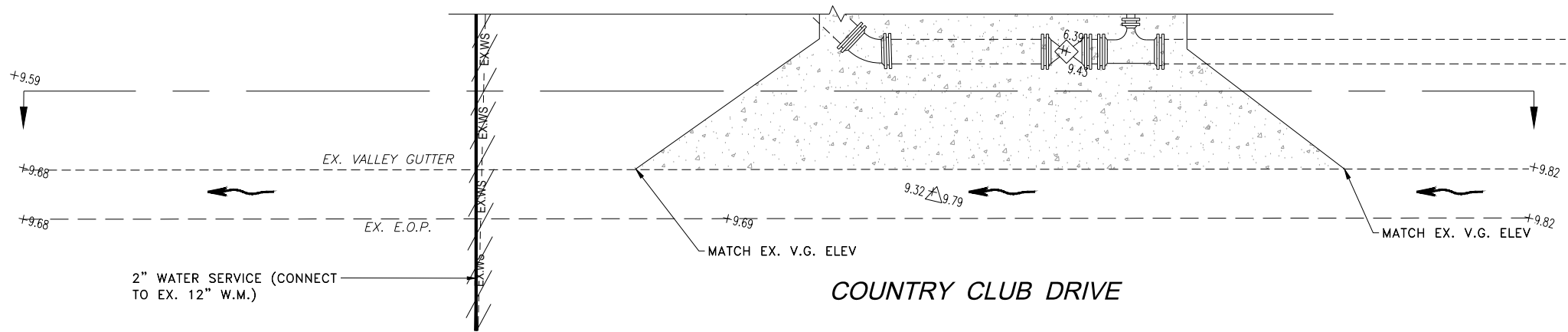
PAVING, GRADING, AND
DRAINAGE PLAN

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)
CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)

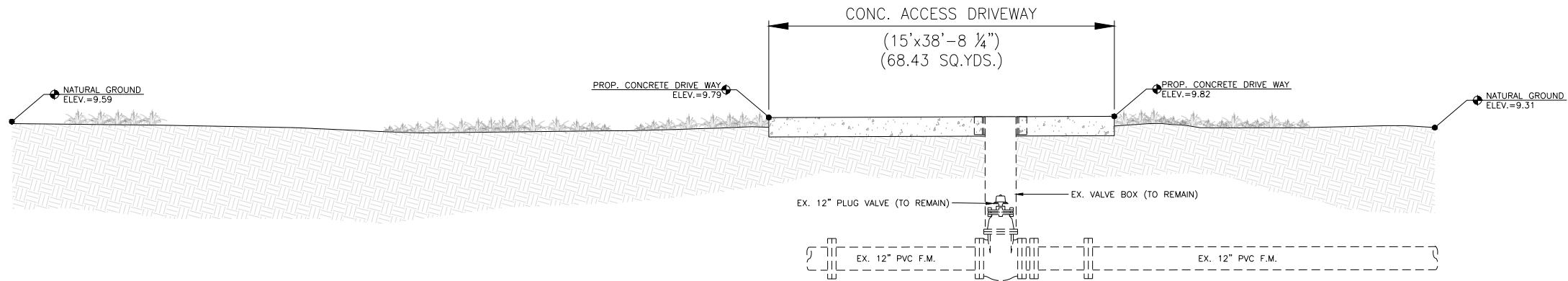
ALEXANDER PAUL DUNKO, P.E.
FLORIDA P.E. LICENSE NO. 88695

MUNICIPALITY:	BONITA SPRINGS
SBC/TWN/RGE:	28/47S/25E
DATE:	JANUARY, 2024
SUBMITTAL TYPE:	100% PLANS
SHEET	5 OF 12

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PLAN



SECTION A



Revision	Date	Description	By

DESIGNED BY:	A.P.D.
DRAWN BY:	E.M.N.
APPROVED:	A.P.D.
JOB CODE:	BSU20
SCALE:	1"=10'



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Bonita Springs, Florida 34134

MASTER PUMP STATION 130

DRIVEWAY CROSS SECTION

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)
CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)

ALEXANDER PAUL DUNKO, P.E.
FLORIDA P.E. LICENSE NO. 88695

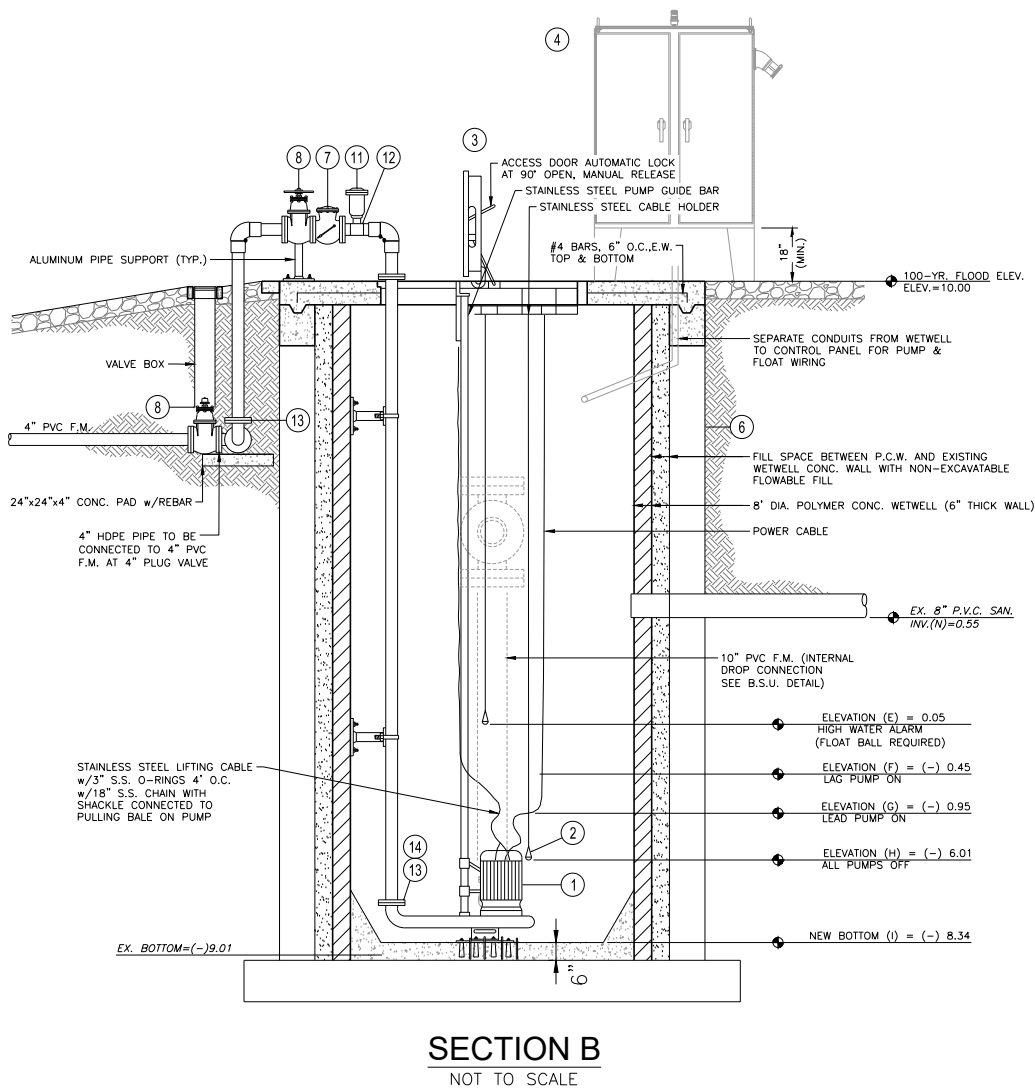
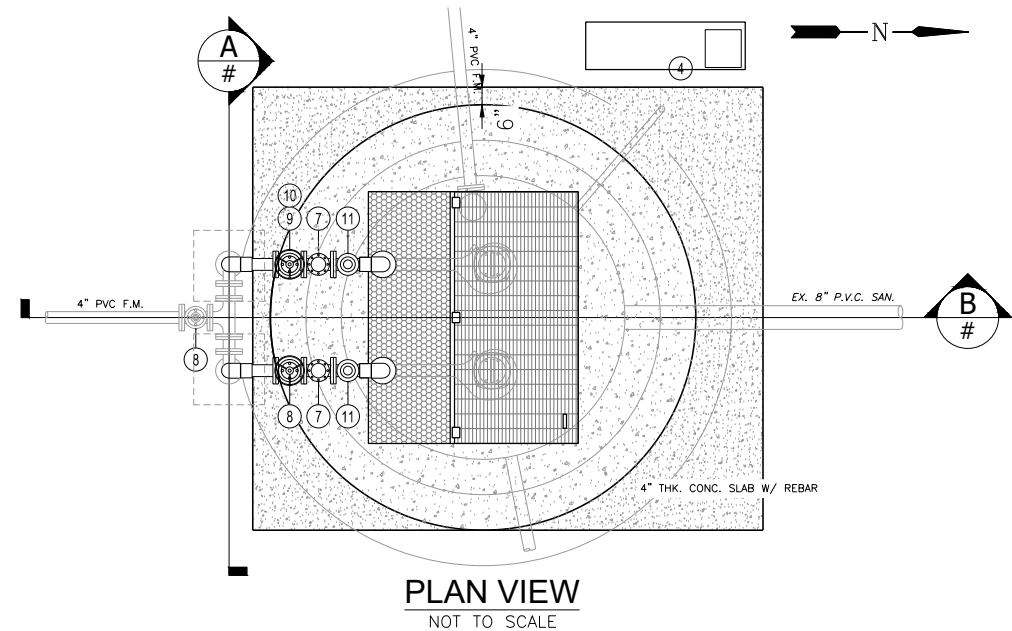
MUNICIPALITY:	BONITA SPRINGS
SBC/TWN/RGE:	28/475/25E
DATE:	JANUARY, 2024
SUBMITTAL TYPE:	100% PLANS
SHEET	6 OF 12



MARK	QTY.	DESCRIPTION
①	2	DISCHARGE SUBMERSIBLE SEWAGE PUMPS
②	2	LIQUID LEVEL REGULATORS (FLOAT BALLS)
③	1	H-20 ACCESS HATCH
④	1	CONTROL PANEL
⑤	1	4" PVC VENT PIPE FOR 8' WET WELL (FINAL DETERMINATION BY B.S.U.)
⑥	1	WETWELL, REINFORCED CONCRETE
⑦	2	4" CHECK VALVE
⑧	1	4" PLUG VALVE
⑨	1	3-WAY 4" PLUG VALVE-3 PORT (EMERGENCY PORT TO BE 3", FACING THE OUTSIDE-OPERATING NUT TO BE LOCATED ON TOP)
⑩	1	3" QUICK-COUPLING UNIT COMPLETE. CONNECT TO THIRD PORT 3-WAY VALVE WITH A BRONZE MALE THREAD ADAPTOR
⑪	2	AIR RELEASE VALVE, ARI MODEL No. ARI-D-040
⑫	2	316 ss STAINLESS STEEL SADDLE
⑬	2	HDPE BUTT FUSED MJ ADAPTER w/ AN MJ ACCESSORY KIT
⑭	2	MECHANICAL JOINT FLANGED COUPLING ADAPTERS
⑮	1	ULTRA SONIC LEVEL INDICATOR (TRANSDUCER) - 1ft. ABOVE WETWELL BOTTOM

1. ALL DISCHARGE PIPING TO BE CONTINUOUS PRE-ENGINEERED HDPE PIPE WITH DUCTILE IRON O.D.
2. HDPE BUTT FUSED M.J. ADAPTER WITH M.J. ACCESSORY KIT TO BE PROVIDED AT THE END OF THE HDPE HEADER PIPE FOR CONNECTION TO VALVE

CONTROL PANEL SHALL BE (3 PHASE) WITH ALL COMPONENTS FOR OPERATING TWO PUMPS AND LIQUID LEVEL REGULATORS, ALTERNATOR RELAYS, GENERATOR RECEPTACLE, ANGLE ADAPTER, AND NEMA 4X STAINLESS STEEL ENCLOSURE (WITH PHASE MONITORING AND LIGHTING ARRESTORS)



Revision	Date	Description	By		

DESIGNED BY:	A.P.D.
DRAWN BY:	E.M.N.
APPROVED:	
JOB CODE:	BSU20
SCALE:	NOT TO SCALE



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Bonita Springs, Florida 34134

MASTER PUMP STATION 130

PUMP STATION DETAILS

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)
CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)

ALEXANDER PAUL DUNKO, P.E.
FLORIDA P.E. LICENSE NO. 88695

MUNICIPALITY:	BONITA SPRINGS
SBC/TWN/RGE:	28/475/25E
DATE:	JANUARY, 2024
SUBMITTAL TYPE:	100% PLANS
SHEET	8 OF 12

**NP 3127 HT3-ADAPTIVE
**NP 3127 HT3-ADAPTIVE

PUMP STATION WETWELL DATA													PIPE DIA		HATCH DIM	
DIMENSIONS AND ELEVATIONS													A	B	C	D
PS#	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	
1.30	8"	15"	10.00	0.55	0.05	-0.45	-0.95	-6.01	-8.34	28"	4" (MIN)	17"	32"	48"	26"	
											4" (MIN)		32"	48"	26"	
											4" (MIN)		32"	48"	26"	
											4" (MIN)		32"	48"	26"	
PUMP DESIGN DATA													DESIGN FLOW DATA		FLOOD DATA	
PS#	MODEL	IMPELLER	H.P.	RPM	PHASE & / VOLTAGE	DWELLING UNITS SERVED		AVERAGE DAILY FLOW (GPM)		PEAK DESIGN FLOW (GPM)		25 YR FL. ELEV.		100 YR FL. ELEV.		
1	**	488	10	1,750	3/460	N/A		N/A		450		N/A		10.00		
2	**	488	10	1,750	3/460	N/A		N/A		450		N/A		10.00		

NETWORK/SYSTEM CALCULATIONS AND WET WELL STORAGE CALCULATIONS TO BE SUBMITTED TO B.S.U.

PS-10

GENERAL NOTES

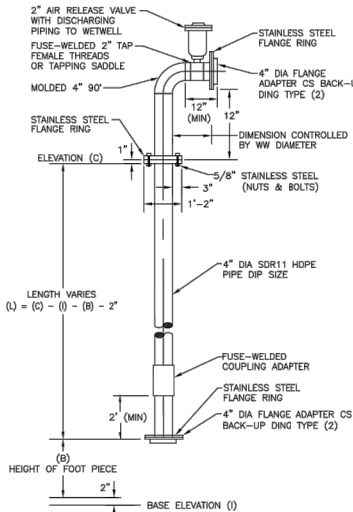
- INSTALLATION OF COVER, PUMP ANCHOR BOLTS, GUIDE RAILS, ETC. MUST BE COORDINATED WITH THE DETAILS AND SPECIFICATIONS AS RECOMMENDED BY THE MANUFACTURER.
- ALL ELEVATIONS ARE BASED ON N.A.V.D. 88 (NORTH AMERICAN VERTICAL DATUM).
- PUMP STATION SHALL INCLUDE WETWELL COMPLETE WITH WALL AND SLAB CONSTRUCTION, ACCESS FRAMES AND DOORS AND ALL OTHER APPURTENANT CONSTRUCTION ITEMS AND MATERIALS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES FOR CONSTRUCTION AND MAINTENANCE OF ALL EQUIPMENT AND PARTS, INCLUDING BOLT AND ARM REMOVAL.
- ALL WIRING INCLUDING ELECTRIC SERVICE SHALL BE COPPER.
- ELECTRICAL COMPONENTS SHALL BE EQUIPPED WITH NATIONAL ELECTRIC CODE AND BUILDING DEPARTMENT APPROVED CONDUIT PIPE "SEAL-OFF" BETWEEN CONTROL PANEL AND WETWELL.
- ALL HARDWARE FOR INTERIOR WETWELL (NUTS, BOLTS ETC.) SHALL BE STAINLESS STEEL.
- THE ELECTRIC SERVICE WIRING TO THE PUMP STATION CONTROL PANEL SHALL BE SIZED BY THE ELECTRICAL CONTRACTOR TO PROVIDE A VOLTAGE DROP NOT GREATER THAN 5% OF THE LINE VOLTAGE FROM POWER COMPANY WHEN ALL PUMPS ARE AT MAXIMUM START-UP LOAD.
- THE CONTRACTOR SHALL SUBMIT THE FINAL LOCATIONS OF TRANSFORMER, ELECTRICAL SERVICE CONDUITS, PUMP STATION PIPING AND CONTROL PANEL LOCATIONS ON THE PLAN SET PRIOR TO CONSTRUCTION. FINAL APPROVAL REQUIRED BY BSU.
- CHECK VALVES, PLUG VALVES, 3 WAY PLUG VALVES 6" OR LARGER TO MATCH PUMP DISCHARGE.
- PATCH LEAKS, CRACKS AND JOINTS WITH PORTLAND CEMENT OR EQUIVALENT.
- SHOP DRAWING SUBMITTALS REQUIRED FOR EACH PUMP STATION TO BSU.
- ALL ABOVE GROUND PIPING WILL BE PAINTED WITH A UL RATED PAINT (REFER TO SPECIFICATIONS).
- A REDUCED-PRESSURE PRINCIPLE ASSEMBLY (RPZ) AND WATER SERVICE IS REQUIRED.
- 10' COPPER GROUNDING ROD - GROUNDING SYSTEM REQUIRED FOR ALL MASTER PUMP STATIONS WITH GENERATORS. MORE MAY BE REQUIRED IF NO GROUND SHOWN ON METER.

PS-11

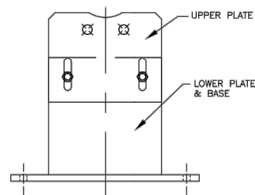
TOW AWAY
7 DAYS
A WEEK
24 HRS
A DAY

UNAUTHORIZED VEHICLES
& VESSELS WILL BE TOWED
AT OWNER'S EXPENSE
FL. ST. STATS. 715.07 713.78

PUMP STATION SIGNAGE
PS-14



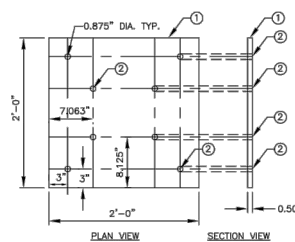
HEADER PIPES - DETAIL 1
4" (TYPICAL)
PS-7



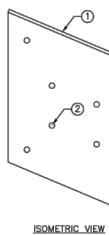
- NOTES:
- IF THE PIPE SUPPORT CANNOT BE ANCHORED TO THE WET WELL SLAB, THEN AN ADDITIONAL SLAB WILL BE REQUIRED. THE ADDITIONAL SLAB WILL NEED TO BE PINNED TO THE WET WELL SLAB.
 - CAN BE USED FOR LARGE METER ASSEMBLIES AND BACKFLOW PREVENTERS

PIPE SUPPORT
PS-13

HEADER PIPES - DETAIL 2
4" (TYPICAL)
PS-8

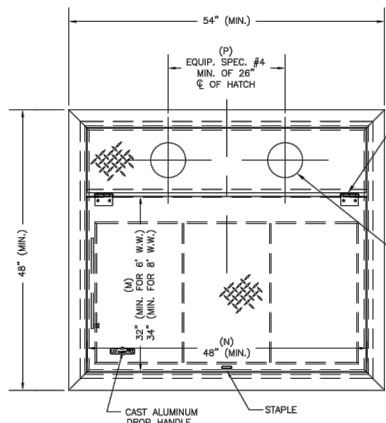


- 316 STAINLESS STEEL BASE PLATE
- 3/4\"/>



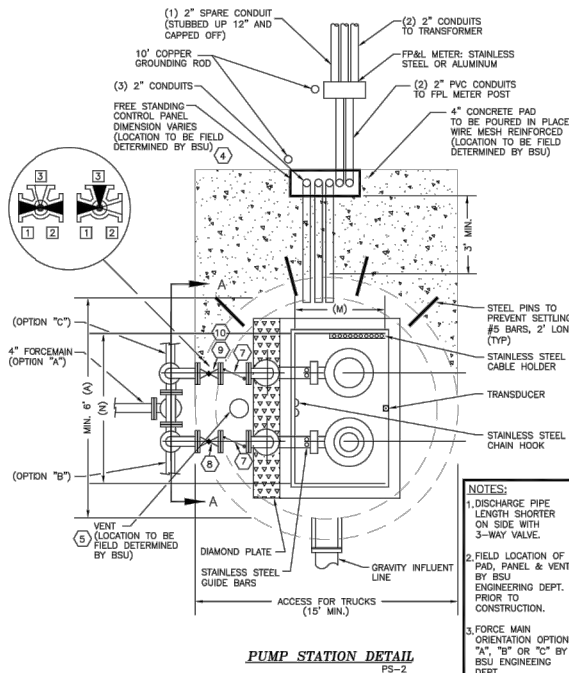
ISOMETRIC VIEW

4\"/>



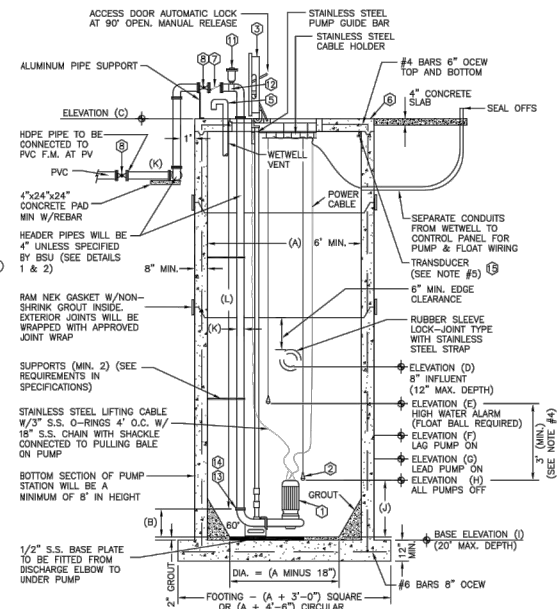
54\"/>

DETAIL PS-5 DELETED
DETAIL PS-12 DELETED
DETAIL PS-15 DELETED



- NOTES:
- DISCHARGE PIPE LENGTH SHORTER ON SIDE WITH 3-WAY VALVE.
 - FIELD LOCATION OF PAD, PANEL & VENT BY BSU ENGINEERING DEPT. PRIOR TO CONSTRUCTION.
 - FORCE MAIN ORIENTATION OPTION "A", "B" OR "C" BY BSU ENGINEERING DEPT.

PUMP STATION DETAIL
PS-2

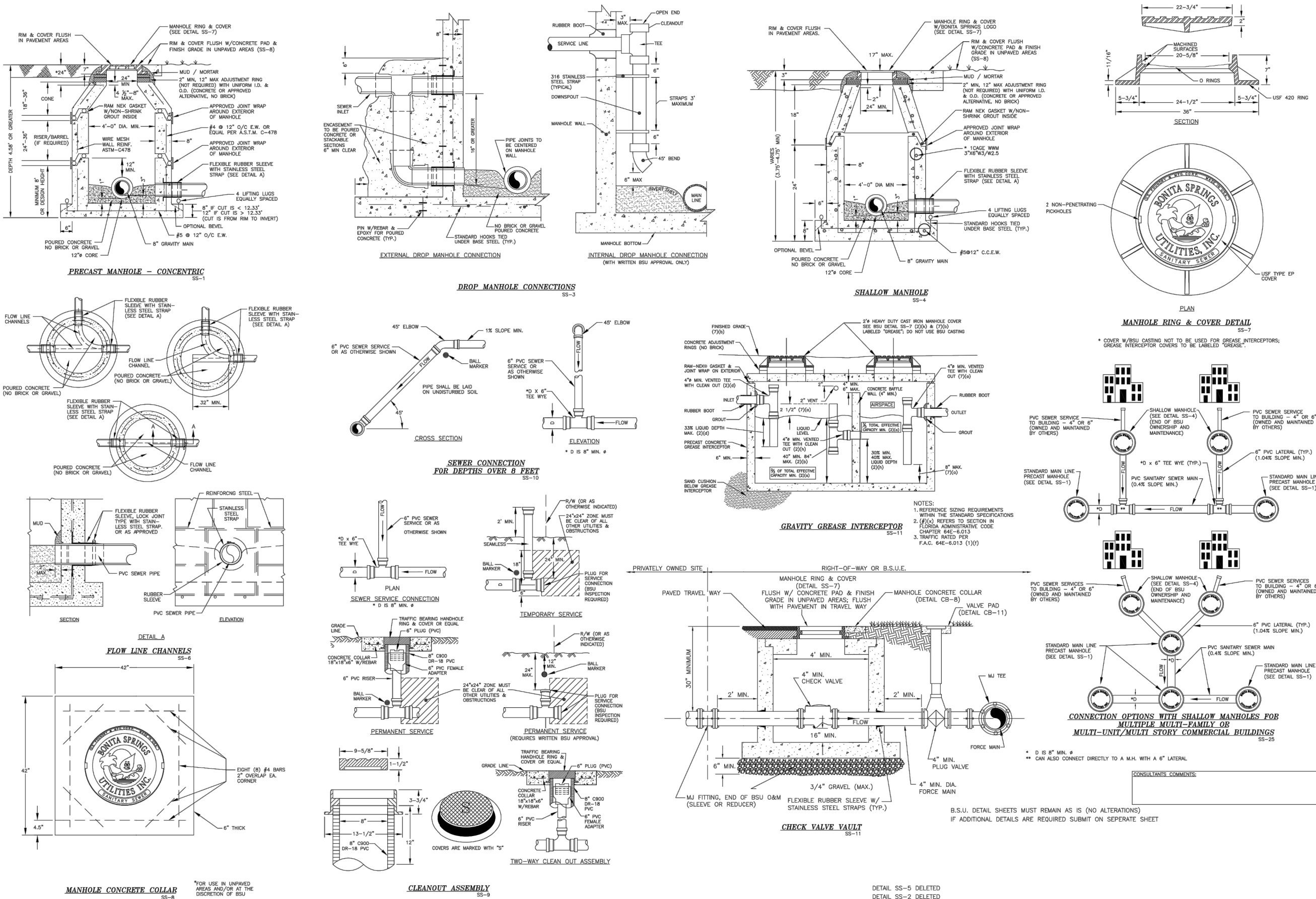


- NOTES:
- PRIOR AUTHORIZATION REQUIRED BY BSU FOR ANY WET WELL SIZE OTHER THAN 6\"/>
 - ALL SURFACES WILL BE PREPARED BY SAND BLASTING PRIOR TO PAINTING OR COATING.
 - STAINLESS STEEL U-BOLT AND BRACKET PIPE SUPPORTS SHALL BE REQUIRED TO SUPPORT ALL HEADER PIPES.
 - LIQUID LEVEL REGULATORS (FLOAT BALLS) ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY (HIGH LEVEL FLOAT BALL REQUIRED).
 - ULTRA SONIC LEVEL INDICATOR (TRANSDUCER) WILL BE MOUNTED AND POSITIONED SO AS TO NOT READ THE TOP OF THE PUMPS. MOUNTING BRACKETS WILL BE SUPPLIED BY BSU.

6\"/>

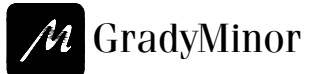
CONSULTANTS COMMENTS:

B.S.U. DETAIL SHEETS MUST REMAIN AS IS (NO ALTERATIONS)
IF ADDITIONAL DETAILS ARE REQUIRED SUBMIT ON SEPERATE SHEET



Revision	Date	Description	By		

DESIGNED BY:	A.P.D.
DRAWN BY:	E.M.N.
APPROVED:	
JOB CODE:	A.P.D.
	BSU20
SCALE:	NOT TO SCALE



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Bonita Springs, Florida 34134

MASTER PUMP STATION 130

WASTEWATER DETAILS

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)
CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)

ALEXANDER PAUL DUNKO, P.E.
FLORIDA P.E. LICENSE NO. 88695

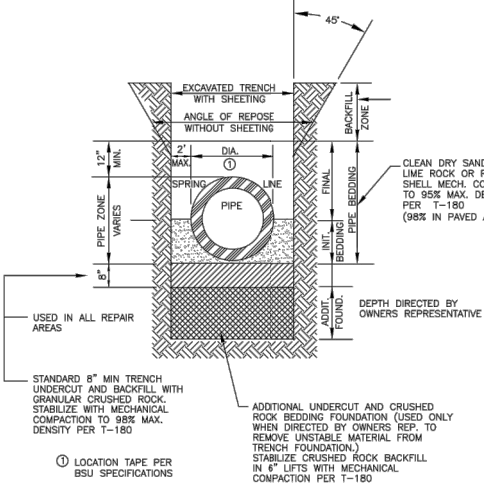
MUNICIPALITY:	BONITA SPRINGS
SBC/TWN/RGE:	28/475/25E
DATE:	JANUARY, 2024
SUBMITTAL TYPE:	100% PLANS
SHEET	9 OF 12

S:\ENGINEERING\PROJ-ENR\BSU20\DWG\SUBMITTAL\TYPE\CONSTR\BSU20-DETAILS\SHEET 8-12.dwg 2/13/2025 11:17 AM

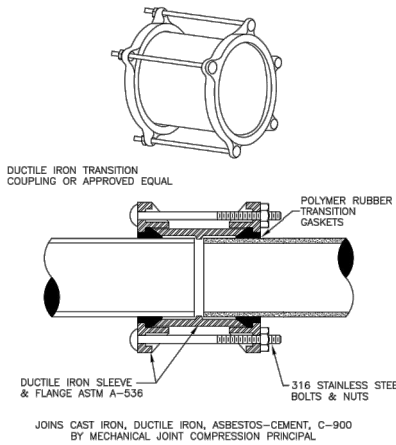
RESTRAINT TABLE														
PIPE SIZE	HORIZONTAL BENDS				VERTICAL OFFSETS				DEAD ENDS	TEES			REDUCERS	
	90° BENDS Lr (FT.)	45° BENDS Lr (FT.)	22.5° BENDS Lr (FT.)	11.25° BENDS Lr (FT.)	45° BENDS Lr (FT.)	22.5° BENDS Lr (FT.)	11.25° BENDS Lr (FT.)	45° BENDS Lr (FT.)		BRANCH SIZE	Lr (FT.)	Lr (FT.)	SIZE	L(A) (FT.)
4"	27	11	5	3	31	8	60	84	6"	4"	10	11	6 x 4	64
6"	37	15	7	4	43	11	84	110	8"	6"	10	11	8 x 6	80
8"	48	20	10	5	57	15	110	140	10"	8"	10	11	10 x 8	100
10"	57	24	11	6	68	17	131	166	12"	10"	10	11	12 x 10	120
12"	67	28	13	7	80	20	152	196	14"	12"	10	11	14 x 12	140
16"	84	36	17	9	100	25	188	242	18"	15"	10	11	18 x 15	180
20"	101	44	21	11	121	30	229	296	24"	18"	10	11	24 x 18	240
24"	118	52	25	13	142	36	276	354	30"	24"	10	11	30 x 24	300

- NOTES:
- LENGTHS SHOWN ON THIS TABLE ARE TO BE INTERPRETED AS FOLLOWS:
L_h = RESTRAINED LENGTH FROM HIGH SIDE FITTING OF A VERT. BEND
L_v = RESTRAINED LENGTH FROM LOW SIDE FITTING OF VERT. BEND
L_r = RESTRAINED LENGTH ON BOTH SIDES FROM FITTING
L_m = MINIMUM LENGTH TO FIRST JOINT OF RUN ON BOTH SIDES
L_a = RESTRAINED LENGTH REQUIRED ON BRANCH FROM FITTING
L_(A) = LENGTH OF PIPE ON SMALL SIDE FREE OF FITTING
L_(B) = RESTRAINED LENGTH ON LARGE SIDE OF REDUCER
 - A SAFETY FACTOR = 2.5 IS USED FOR VERTICAL OFFSETS TO COMPENSATE FOR SATURATED SOIL CONDITIONS. A SAFETY FACTOR = 2.0 IS USED FOR ALL OTHER CASES.
 - L_(A) AND L_(B) ABOVE ARE TWO OPTIONS FOR PROVIDING THE REQUIRED THRUST RESTRAINT FOR THE FITTING, EITHER L_(A) LENGTH OF PIPE FREE OF FITTINGS (BENDS, TEES, REDUCERS OR VALVES) ON THE SMALL SIDE OF THE REDUCER WILL PROVIDE THE REQUIRED RESTRAINT OR L_(B) LENGTH CAN BE RESTRAINED ON THE LARGE SIDE OF THE FITTING.
 - THE FOLLOWING ARE ASSUMED:
4" - 10" PIPE HAS 30" MIN. COVER
12" - 24" PIPE HAS 36" MIN. COVER
4" - 24" PIPE IS PVC
 - VALVES SHALL BE RESTRAINED ON EITHER SIDE OF THE FITTING AS A MINIMUM. IN LINE VALVES SHALL HAVE NO FITTINGS WITHIN THE LENGTHS SHOWN ON THIS TABLE FOR THE SAME SIZE DEAD END. IN CASES WHERE THIS LENGTH CAN NOT BE PROVIDED FREE OF FITTINGS, ADDITIONAL RESTRAINT SHALL BE REQUIRED AS APPROVED BY ENGINEER.
 - ALL DEAD END LINES, PERMANENT OR TEMPORARY, SHALL BE RESTRAINED PER THE ABOVE RESTRAINT TABLE.
 - ALL VALVES SHALL BE RESTRAINED AS DEAD ENDS, IN BOTH FLOW DIRECTIONS, PER THIS TABLE.

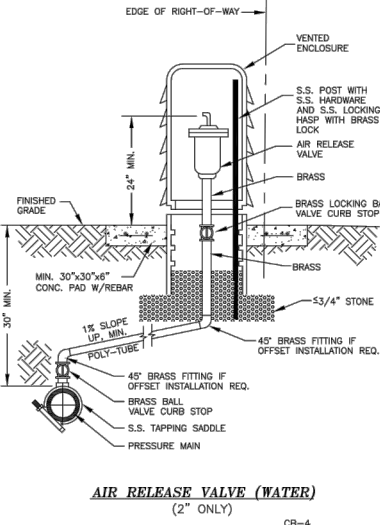
RESTRAINT TABLE
CB-1



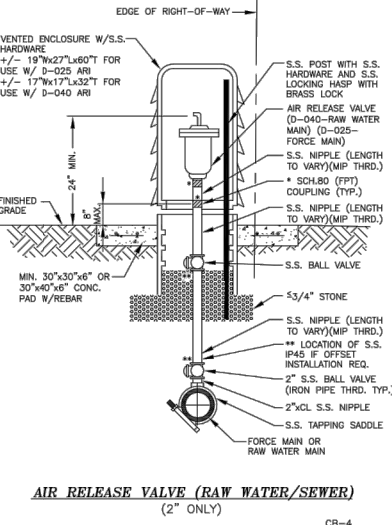
TRENCH CROSS SECTION
CB-9



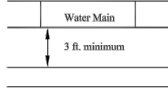
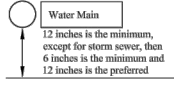
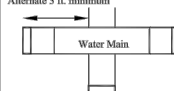
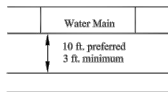
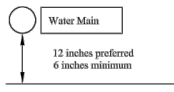
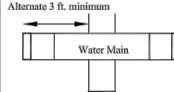
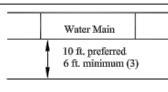
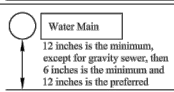
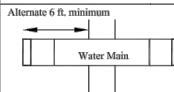
DUCTILE IRON
TRANSITION COUPLING
CB-5



AIR RELEASE VALVE (WATER)
(2" ONLY)
CB-4



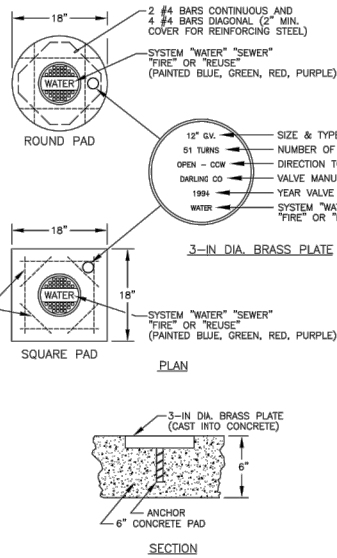
AIR RELEASE VALVE (RAW WATER/SEWER)
(2" ONLY)
CB-4

LOCATION OF PUBLIC WATER SYSTEM MAINS IN ACCORDANCE WITH F.A.C. RULE 62-555.314			
Other Pipe	Horizontal Separation	Crossings (1)	Joint Spacing @ Crossings (Full Joint Centered)
Storm Sewer, Sanitary Sewer Force Main, and Reclaimed Water (2)	 3 ft. minimum	 12 inches is the minimum, except for storm sewer, then 6 inches is the minimum and 12 inches is the preferred	 Alternate 3 ft. minimum
Vacuum Sanitary Sewer	 10 ft. preferred 3 ft. minimum	 12 inches preferred 6 inches minimum	 Alternate 3 ft. minimum
Gravity or Pressure Sanitary Sewer Sanitary Sewer Force Main, and Reclaimed Water (4)	 10 ft. preferred 6 ft. minimum (3)	 12 inches is the minimum, except for gravity sewer, then 6 inches is the minimum and 12 inches is the preferred	 Alternate 6 ft. minimum
Sanitary Sewer Force Main, and Reclaimed Water (4)	10 ft. minimum	---	---

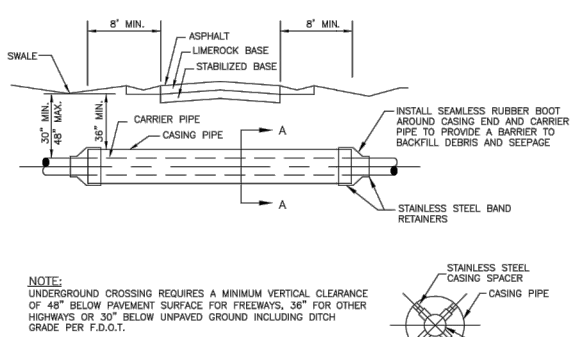
- (1) Water main should cross above other pipe. When water main must be below other pipe, the minimum separation is 12 inches.
(2) Reclaimed water regulated under Part III of Chapter 62-610, F.A.C.
(3) 3 ft. for gravity sanitary sewer where the bottom of the water main is laid at least 6 inches above the top of the gravity sanitary sewer.
(4) Reclaimed water not regulated under Part III of Chapter 62-610, F.A.C.

Disclaimer - This document is provided for your convenience only. Please refer to F.A.C. Rule 62-555.314 for additional construction requirements.

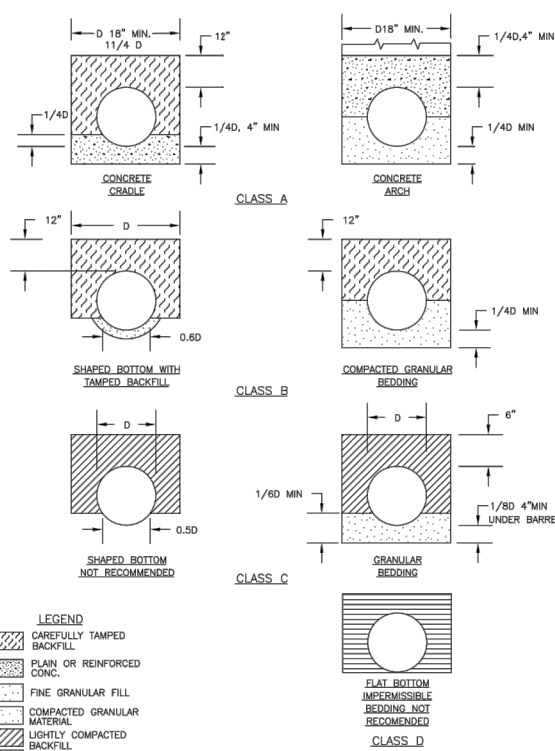
CROSSING DETAIL
CB-7



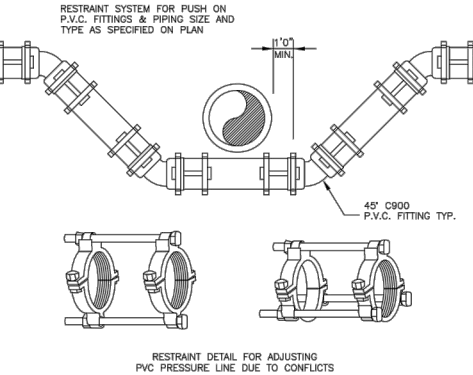
VALVE PAD
CB-11



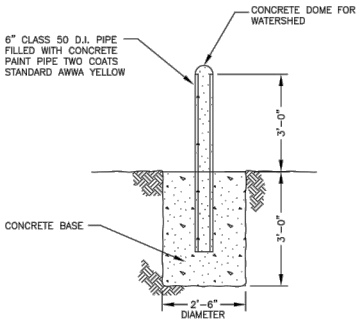
JACK AND BORE
CB-10



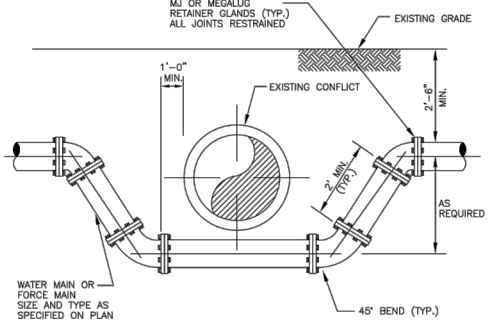
PIPE BEDDING
CB-3



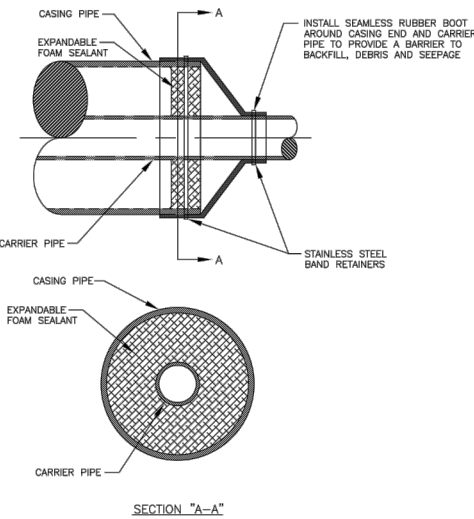
PVC PRESSURE LINE CONFLICT
ADJUSTMENT FITTINGS
CB-6



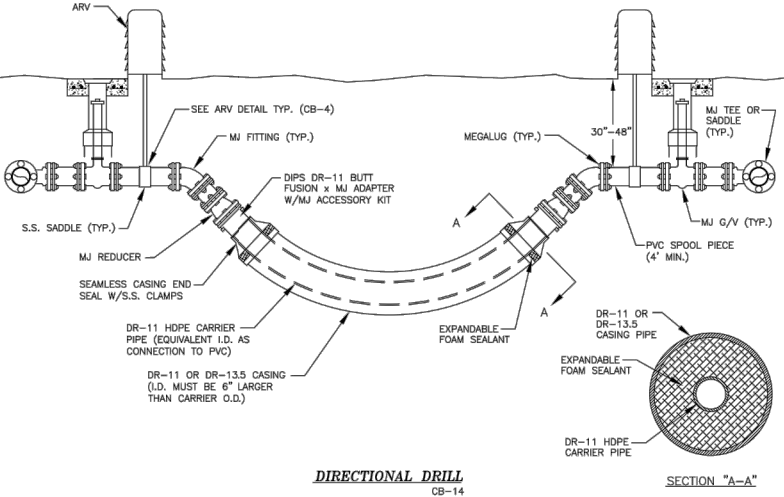
GUARD POST DETAIL
CB-12



CONFLICT ADJUSTMENT MJ
CB-8



END SEAL/CASING PIPE
CB-13

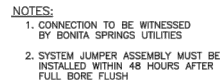


DIRECTIONAL DRILL
CB-14

CONSULTANTS COMMENTS:

Revision	Date	Description

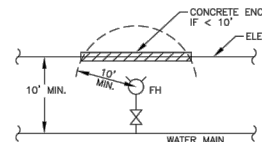
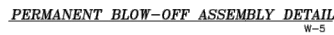
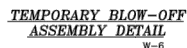
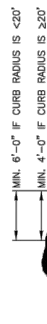
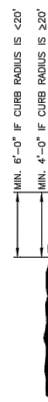
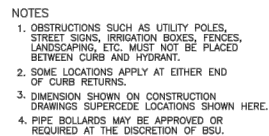
DESIGNED BY:	A.P.D.
DRAWN BY:	E.M.N.
APPROVED:	A.P.D.
JOB CODE:	BSU20
SCALE:	NOT TO SCALE



CONSTRUCTION JUMPER ASSEMBLY
W-1



FIRE HYDRANT ASSEMBLY



B.S.U. DETAIL SHEETS MUST REMAIN AS IS (NO ALTERATIONS)
IF ADDITIONAL DETAILS ARE REQUIRED SUBMIT ON SEPERATE SHEET

Revision	Date	Description	By

DESIGNED BY:	A.P.D.
DRAWN BY:	E.M.N.
APPROVED:	A.P.D.
JOB CODE:	BSU20
SCALE:	NOT TO SCALE



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Bonita Springs, Florida 34134

• **Landscape Architects**
Business LC 26000266

m Fort Myers: 239.690.4380

DETAIL W-7 DELETED
DETAIL W-10 DELETED
DETAIL W-14 DELETED

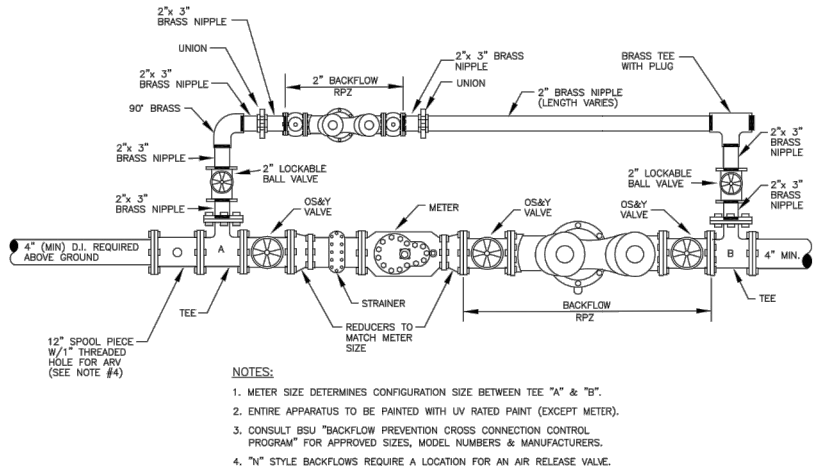
MASTER PUMP STATION 130

WATER DETAILS

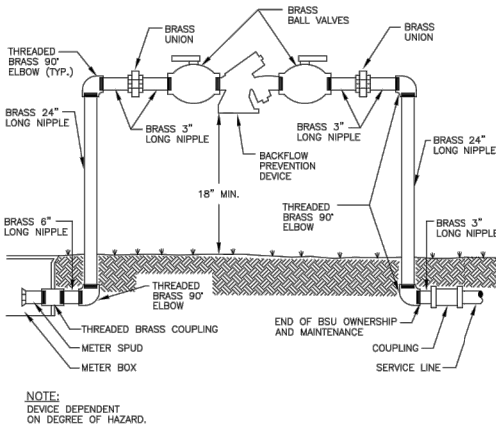
ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)
CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)

ALEXANDER PAUL DUNKO, P.E.
FLORIDA P.E. LICENSE NO. 88695

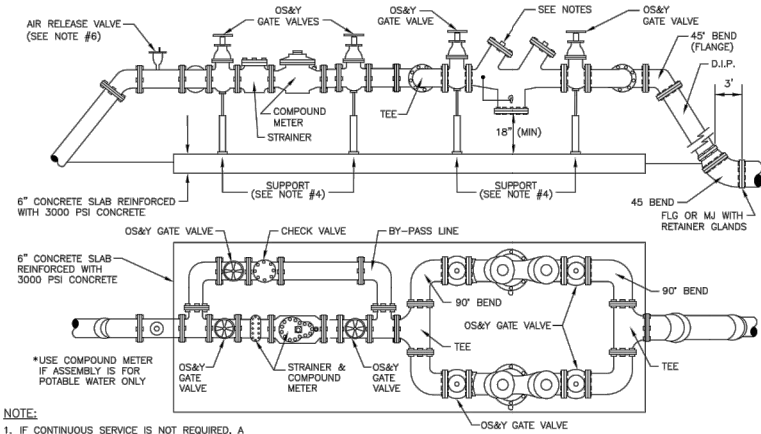
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SEC/TWN/RGE:	28/47S/25E
DATE:	JANUARY, 2024
SUBMITTAL TYPE:	100% PLANS
SHEET 11 OF 12	



STANDARD METER/BACKFLOW
ASSEMBLY DETAIL
(3" OR LARGER)
BF-1

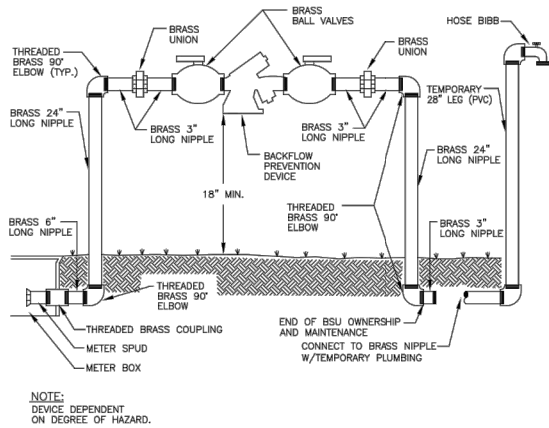


BACKFLOW PREVENTION DEVICE 3/4", 1", 2"
(NEW INSTALLATIONS BY BSU,
EXCEPT FOR BACKFLOWS ON FIRE LINES)
BF-3



- NOTE:
1. IF CONTINUOUS SERVICE IS NOT REQUIRED, A SINGLE BACKFLOW PREVENTER MAY BE INSTALLED, AND TEES AND BENDS ELIMINATED
 2. DEVICE DEPENDENT ON DEGREE OF HAZARD.
 3. METER BYPASS LINE OPTIONAL. DEPENDENT ON CUSTOMER NEEDS/CONTINUOUS SUPPLY DURING METER REPAIR.
 4. SUPPORT TO BE STAINLESS STEEL.
 5. CONSULT BSU "BACKFLOW PREVENTION CROSS CONNECTION CONTROL PROGRAM" FOR APPROVED SIZES, MODEL NUMBERS & MANUFACTURERS.
 6. "N" STYLE BACKFLOWS REQUIRE A LOCATION FOR AN AIR RELEASE VALVE.

3" OR LARGER COMPOUND METER
AND BACKFLOW PREVENTER
(ONLY WITH BSU PRIOR APPROVAL)
BF-2



CONTRACTOR'S TEMPORARY HOSE BIBB
BACKFLOW PREVENTION DEVICE 3/4", 1", 2"
(INSTALLED BY BUILDER)
BF-5

CONSULTANTS COMMENTS:

B.S.U. DETAIL SHEETS MUST REMAIN AS IS (NO ALTERATIONS)
IF ADDITIONAL DETAILS ARE REQUIRED SUBMIT ON SEPERATE SHEET

DETAIL BF-4 DELETED

Revision	Date	Description	By	

DESIGNED BY:	A.P.D.
DRAWN BY:	E.M.N.
APPROVED:	A.P.D.
JOB CODE:	BSU20
SCALE:	NOT TO SCALE



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MASTER PUMP STATION 130

BACKFLOW DETAILS

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CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)

ALEXANDER PAUL DUNKO, P.E.
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MUNICIPALITY:	BONITA SPRINGS
SBC/TWN/RGE:	28/47S/25E
DATE:	JANUARY, 2024
SUBMITTAL TYPE:	100% PLANS
SHEET	12 OF 12