

Addendum No. 1

FOR

City of Fernandina Beach



Invitation to Bid # 21-11

Fernandina Beach Fire Station No. 2

Prepared by:



Passero Associates, LLC
4730 Casa Cola Way, Suite 200
St. Augustine, FL 32095
Tel 904-757-6106

PA Project No. 99000047.0086

July 23, 2021

ADDENDUM NO. 1
Fernandina Beach Fire Station No. 2
City of Fernandina Beach
Invitation to Bid # 21-11
Issued: July 23, 2021

The following items are clarifications, corrections or additions to the contract documents. **THIS ADDENDUM TAKES PRECEDENCE OVER THE ORIGINAL PARTS OF THE CONTRACT DOCUMENTS.**

All Project questions must be submitted in writing, via email, to the City of Fernandina Beach, wweeks@fbfl.org (Wanda Weaks).

All the parts of the contract documents, not specifically modified by this or other addenda, remain in full force and effect.

Bidders shall thoroughly familiarize themselves with the contents of this Addendum before submitting bid proposals. **IT SHALL BE THE BIDDER'S RESPONSIBILITY TO INFORM THE SUBCONTRACTORS, SUPPLIERS, MANUFACTURERS AND OTHER PARTIES PARTICIPATING IN THE WORK OF APPLICABLE REQUIREMENTS IN THIS ADDENDUM.**

Bidders shall acknowledge receipt of this addendum, identified by number and date, on the Addenda Receipt form included in the Proposal Section of the Contract Documents and submitted as part of their Proposal. Failure to acknowledge receipt of Addendum may be grounds for rejection of the bid proposal.

I. Changes within the “Front End” of the Contract Requirements:

None.

II. Changes to Specifications: (See attached)

- 1) **Replaced** – Specifications Section 09 91 13 – Exterior Painting and Section 09 91 23 – Interior Painting with Specification Section 09 90 00 – Interior, Exterior, and High Performance Paints and Coatings
- 2) **Added** – Specifications Section 03 35 43 – Polished Concrete System – Level 1
- 3) **Added** – Specifications Section 09 67 23 – Resinous Flooring

III. Changes to Drawings: (See attached)

- 1) Sheet C-401 – Revised Silt Fence Location, Guy Wire and Power Pole Annotation, and Dry Retention Pond Volume Annotation.

- 2) Sheet L-001 – Added Silt Fence Location and General Notes addition of the Remaining and Removal of Plants.
- 3) Sheet L-002 – Added Silt Fence Location.

IV. Non-Mandatory Pre-Bid Meeting on July 16, 2021 Notes and Attendance

Log:

See attached attendance log including non-mandatory pre-bid meeting including clarifications in red.

V. Questions from Bidders & Responses:

Questions and answers contained herein additionally modify the contract documents and are hereby incorporated by being made part of this addendum. The following are responses to questions received since the mandatory pre-bid meeting:

Question 1: None.

Response: Currently to date no written questions received.

VI. Other Items of Discussion & Clarification:

- 1) Modify proposed Dry Retention Pond as required to maintain Existing Power Pole and Guy Wires in their current location; Contractor to provide As-Builts to be approved by Engineer of Record.
Refer to Sheet C-401.
- 2) Provide equal volume changes to Dry Retention Pond in southwest corner of site to offset volume loss for Existing Power Pole and Guy Wires; Contractor to provide As-Builts to be approved by Engineer of Record.
Refer to Sheet C-401.

End of Addendum No. 1

SECTION 09 90 00 – INTERIOR, EXTERIOR AND HIGH PERFORMANCE PAINTS AND COATINGS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Interior paint and coating commercial systems including surface preparation.
- B. Interior high-performance paint and coatings systems including surface preparation.
- C. Exterior high-performance paint and coatings systems including surface preparation.
- D. Exterior paint and coating systems including surface preparation.

1.2 RELATED SECTIONS

- A. Section 03 30 00 - Cast-in-Place Concrete.
- B. Section 04 20 00 - Unit Masonry: Concrete Masonry Units (CMU) and brick.
- C. Section 05 12 00 – Structural Steel Framing.
- D. Section 05 50 00 - Metal Fabrications.
- E. Section 05 52 13 – Pipe and Tube Railings.
- F. Section 06 41 00 - Architectural Wood Casework.
- G. Section 08 11 13 - Hollow Metal Doors and Frames.
- H. Section 09 21 16 - Gypsum Board Assemblies.
- I. Section 23 00 00 - Common Work Results for HVAC.
- J. Section 26 00 00 - Common Work Results for Electrical.

1.3 REFERENCES

- A. Steel Structures Painting Council (SSPC):
 - 1. SSPC-SP 1 - Solvent Cleaning.
 - 2. SSPC-SP 2 - Hand Tool Cleaning.
 - 3. SSPC-SP 3 - Power Tool Cleaning.
 - 4. SSPC-SP5/NACE No. 1, White Metal Blast Cleaning.
 - 5. SSPC-SP6/NACE No. 3, Commercial Blast Cleaning.
 - 6. SSPC-SP7/NACE No. 4, Brush-Off Blast Cleaning.
 - 7. SSPC-SP10/NACE No. 2, Near-White Blast Cleaning.
 - 8. SSPC-SP11, Power Tool Cleaning to Bare Metal.
 - 9. SSPC-SP12/NACE No. 5, Surface Preparation and Cleaning of Metals by Waterjetting Prior to Recoating.
 - 10. SSPC-SP 13 / NACE No. 6 Surface Preparation for Concrete.
- B. Material Safety Data Sheets / Environmental Data Sheets: Per manufacturer's MSDS/EDS for specific VOCs (calculated per 40 CFR 59.406). VOCs may vary by base and sheen.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01 30 00 - Administrative Requirements.
- B. Product Data: For each paint system indicated, including.

1. Product characteristics.
 2. Surface preparation instructions and recommendations.
 3. Primer requirements and finish specification.
 4. Storage and handling requirements and recommendations.
 5. Application methods.
 6. Cautions for storage, handling and installation.
- C. Selection Samples: Submit a complete set of color chips that represent the full range of manufacturer's products, colors and sheens available.
- D. Verification Samples: For each finish product specified, submit samples that represent actual product, color, and sheen.
- E. Only submit complying products based on project requirements (i.e. LEED). One must also comply with the regulations regarding VOCs (CARB, OTC, SCAQMD, LADCO). To ensure compliance with district regulations and other rules, businesses that perform coating activities should contact the local district in each area where the coating will be used.

1.5 QUALITY ASSURANCE

- A. Installer Qualifications: A firm or individual experienced in applying paints and coatings similar in material, design, and extent to those indicated for this Project, whose work has resulted in applications with a record of successful in-service performance.
- B. Paint exposed surfaces. If a color of finish, or a surface is not specifically mentioned, Architect will select from standard products, colors and sheens available.
- C. Do not paint prefinished items, concealed surfaces, finished metal surfaces, operating parts, and labels unless indicated.
- D. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
1. Finish surfaces for verification of products, colors and sheens.
 2. Finish area designated by Architect.
 3. Provide samples that designate primer and finish coats.
 4. Do not proceed with remaining work until the Architect approves the mock-up.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver manufacturer's unopened containers to the work site. Packaging shall bear the manufacturer's name, label, and the following list of information.
1. Product name, and type (description).
 2. Application and use instructions.
 3. Surface preparation.
 4. VOC content.
 5. Environmental handling.
 6. Batch date.
 7. Color number.
- B. Storage: Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.
- C. Store materials in an area that is within the acceptable temperature range, per manufacturer's instructions. Protect from freezing.
- D. Handling: Maintain a clean, dry storage area, to prevent contamination or damage to the coatings.

1.7 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

1.8 EXTRA MATERIALS

- A. Furnish extra paint materials from the same production run as the materials applied and in the quantities described below. Package with protective covering for storage and identify with labels describing contents. Deliver extra materials to Owner.
- B. Furnish Owner with an additional one percent of each material and color, but not less than 1 gal (3.8 l) or 1 case, as appropriate.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Sherwin-Williams, which is located at: 101 Prospect Ave.; Cleveland, OH 44115; Christopher Olden CSI, CDT chris.m.olden@sherwin.com 407-694-7994
- B. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

2.2 PAINT MATERIALS - GENERAL

- A. Paints and Coatings:
 - 1. Unless otherwise indicated, provide factory-mixed coatings. When required, mix coatings to correct consistency in accordance with manufacturer's instructions before application. Do not reduce, thin, or dilute coatings or add materials to coatings unless such procedure is specifically described in manufacturer's product instructions.
 - 2. For opaque finishes, tint each coat including primer coat and intermediate coats, one-half shade lighter than succeeding coat, with final finish coat as base color. Or follow manufacturer's product instructions for optimal color conformance.
- B. Primers: Where the manufacturer offers options on primers for a particular substrate, use primer categorized as "best" by the manufacturer.
- C. Coating Application Accessories: Provide all primers, sealers, cleaning agents, cleaning cloths, sanding materials, and clean-up materials required, per manufacturer's specifications.
- D. Color: Refer to Finish Schedule for paint colors, and as selected.

2.3 INTERIOR PAINT AND COATING COMMERCIAL SYSTEMS

- A. Masonry CMU: All Interior Walls in 125 Apparatus Bays, 126 Water, 127 Storage, 128 Decon, 129 Decon Laundry, 130 Hallway, 131 EMS Decon, 132 Bunker Gear Storage, 132A Secure Storage, 133 Electrical
 - 1. Epoxy System; Waterbased:
 - a. Eg-Shel/Low Luster Finish:
 - 1) 1st Coat: S-W Heavy Duty Block Filler, B42W46 (18.0-13.0 mils wet, 10.0-18.0 mils wet).
 - 2) 2nd Coat: S-W Pro Industrial Waterbased Catalyzed Epoxy Eg-Shel, B73-360 Series.
 - 3) 3rd Coat: S-W Pro Industrial Waterbased Catalyzed Epoxy Eg-Shel,

B73-360 Series (5.0-10.0 mils wet, 2.0-4.0 mils dry per coat).

- B. Cement Panel Ceilings: Designated for Epoxy 126 Water, 127 Storage, 128 Decon, 129 Decon Laundry, 130 Hallway, 131 EMS Decon, 132 Bunker Gear Storage, 132A Secure Storage, 133 Electrical
1. Epoxy System; Waterbased:
 - a. Eg-Shel/Low Luster Finish:
 - 1) 1st Coat: S-W Loxon Concrete and Masonry Primer Sealer, LX02W50 (5.3-8.0 mils wet, 2.1-3.2 dry).
 - 2) 2nd Coat: S-W Pro Industrial Waterbased Catalyzed Epoxy Eg-Shel, B73-360 Series.
 - 3) 3rd Coat: S-W Pro Industrial Waterbased Catalyzed Epoxy Eg-Shel, B73-360 Series (5.0-10.0 mils wet, 2.0-4.0 mils dry per coat).
- C. Cement Panel Ceilings: All except as designated for Epoxy
1. Acrylic System; Waterbased:
 - a. Matte//Flat Finish:
 - 1) 1st Coat: S-W ProMar 200 Zero VOC Latex Primer, B28W02600 (4.0 mils wet, 1.0 mils dry).
 - 2) 2nd Coat: S-W Pro Industrial Multi-Surface Acrylic Matte, B66-1571 Series.
 - 3) 3rd Coat: S-W Pro Industrial Multi-Surface Acrylic Matte, B66- Series (3.75-6.0 mils wet, 1.5-2.4 mils dry per coat).
- D. Drywall: All Walls except as noted for Epoxy.
1. Scuff Resistant Paint:
 - a. Eg-Shel Finish:
 - 1) 1st Coat: S-W ProMar 200 Zero VOC Latex Primer, B28W02600 (4.0 mils wet, 1.0 mils dry).
 - 2) 2nd Coat: S-W Scuff Tuff Interior Latex Eg-Shel, S24-50 Series
 - 3) 3rd Coat: S-W Scuff Tuff Interior Latex Eg-Shel, S24-50 Series. (4.0mils wet, 1.2 mils dry per coat).
- E. Drywall: Walls & Ceilings designated for Epoxy in 105 Men's Toilet, 106 Women's Toilet, 114, 116 & 118 Toilet/Shower
1. Epoxy Systems; Waterbased:
 - a. Eg-Shel Finish:
 - 1) 1st Coat: S-W ProMar 200 Zero VOC Latex Primer, B28W02600 (4.0 mils wet, 1.0 mils dry).
 - 2) 2nd Coat: S-W Pro Industrial Waterbased Catalyzed Epoxy Eg-Shel, B73-360 Series.
 - 3) 3rd Coat: S-W Pro Industrial Waterbased Catalyzed Epoxy Eg-Shel, B73-360 Series. (5.0-10.0 mils wet, 2.0-4.0 mils dry per coat).
- F. Metal: Hollow Metal Doors and Frames.
1. Urethane System; Waterbased:
 - a. Gloss Finish Single Component:
 - 1) 1st Coat: S-W Pro Industrial Pro-Cryl Universal Primer, B66-1310 Series (5.0 mils wet, 2.0 mils dry).
 - 2) 2nd Coat: S-W Pro Industrial Pre-Catalyzed Waterbased Urethane Gloss, B65-120 Series.
 - 3) 3rd Coat: S-W Pro Industrial Pre-Catalyzed Waterbased Urethane Gloss, B65-120 Series (6.0-12.0 mils wet. 1.9-3.8 mils dry per coat).

2.4 HIGH PERFORMANCE COATING SYSTEMS FOR EXTERIOR AND INTERIOR EXPOSED TO OUTSIDE AIR

- A. Metal - (Structural Steel Columns, Joists, Trusses, Beams, Miscellaneous and Ornamental Iron, Structural Iron, Ferrous Metal).
 - 1. Polysiloxane System; Solvent Based:
 - a. Gloss Finish:
 - 1) 1st Coat: S-W Macropoxy 646 Fast Cure Epoxy, B58
 - 2) 2nd Coat: S-W Macropoxy 646 Fast Cure Epoxy, B58 Series (7.0-13.5 mils wet, 5.0-10.0 mils dry per coat).
 - 3) 3rd Coat: S-W Sher-loxane 800, (5.0-7.0 mils wet, 4.0-6.0 mils dry per coat).

2.5 EXTERIOR PAINT SYSTEMS

- A. Masonry: CMU Walls and Columns
 - 1. Textured and Smooth Systems:
 - a. Smooth (Waterbased Finish):
 - 1) Filler: S-W Pro Industrial Heavy-Duty Block Filler, B42W150 (16.0-21.0 mils wet, 8.0-10.5 mils dry).
 - 2) 1st Coat: S-W Loxon XP, LX11W50 Series.
 - 3) 2nd Coat: S-W Loxon XP, LX11W50 Series (14.0-18.0 mils wet, 6.5-8.4 mils dry per coat).

- B. Cement: Fiber Cement Panels
 - 1. Latex Systems:
 - a. Satin Finish:
 - 1) 1st Coat: S-W Loxon Concrete and Masonry Primer Sealer, LX02W50 (5.3-8.0 mils wet, 2.1-3.2 dry).
 - 2) 2nd Coat: S-W Resilience Exterior Latex Satin, 43 Series.
 - 3) 3rd Coat: S-W Resilience Exterior Latex Satin, 43 Series (4.0 mils wet, 1.6 mils dry per coat).

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared; notify Architect of unsatisfactory conditions before proceeding. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
- B. Proceed with work only after conditions have been corrected and approved by all parties, otherwise application of coatings will be considered as an acceptance of surface conditions.
- C. Previously Painted Surfaces: Verify that existing painted surfaces do not contain lead based paints, notify Architect immediately if lead based paints are encountered.

3.2 SURFACE PREPARATION

- A. General: Surfaces shall be dry and in sound condition. Remove oil, dust, dirt, loose rust, peeling paint or other contamination to ensure good adhesion.
 - 1. Prior to attempting to remove mildew, it is recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions are advised.
 - 2. Remove mildew before painting by washing with a solution of 1 part liquid household

bleach and 3 parts of warm water. Apply solution and scrub the mildewed area. Allow solution to remain on the surface for 10 minutes. Rinse thoroughly with clean water and allow surface to dry before painting. Wear protective glasses or goggles, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

3. Remove items including but not limited to thermostats, electrical outlets, switch covers and similar items prior to painting. After completing painting operations in each space or area, reinstall items removed using workers skilled in the trades involved.
 4. No exterior painting should be done immediately after a rain, during foggy weather, when rain is predicted, or when the temperature is below 50 degrees F (10 degrees C), unless products are designed specifically for these conditions. On large expanses of metal siding, the air, surface and material temperatures must be 50 degrees F (10 degrees F) or higher to use low temperature products.
- B. Aluminum: Remove all oil, grease, dirt, oxide and other foreign material by cleaning per SSPC-SP1, Solvent Cleaning.
- C. Block (Cinder and Concrete): Remove all loose mortar and foreign material. Surface must be free of laitance, concrete dust, dirt, form release agents, moisture curing membranes, loose cement, and hardeners. Concrete and mortar must be cured at least 30 days at 75 degrees F (24 degrees C). The pH of the surface should be between 6 and 9 unless the products are designed to be used in high pH environments. On tilt-up and poured-in-place concrete, commercial detergents and abrasive blasting may be necessary to prepare the surface. Fill bug holes, air pockets, and other voids with a cement patching compound.
- D. Concrete, SSPC-SP13 or NACE 6: This standard gives requirements for surface preparation of concrete by mechanical, chemical, or thermal methods prior to the application of bonded protective coating or lining systems. The requirements of this standard are applicable to all types of cementitious surfaces including cast-in-place concrete floors and walls, precast slabs, masonry walls, and shotcrete surfaces. An acceptable prepared concrete surface should be free of contaminants, laitance, loosely adhering concrete, and dust, and should provide a sound, uniform substrate suitable for the application of protective coating or lining systems.
- E. Cement Composition Siding/Panels: Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Pressure clean, if needed, with a minimum of 2100 psi pressure to remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, and peeling or defective coatings. Allow the surface to dry thoroughly. The pH of the surface should be between 6 and 9 unless the products are designed to be used in high pH environments.
- F. Copper and Stainless Steel: Remove all oil, grease, dirt, oxide and other foreign material by cleaning per SSPC-SP 2, Hand Tool Cleaning.
- G. Exterior Composition Board (Hardboard): Some composition boards may exude a waxy material that must be removed with a solvent prior to coating. Whether factory primed or unprimed, exterior composition board siding (hardboard) must be cleaned thoroughly and primed with an alkyd primer.
- H. Drywall - Exterior: Must be clean and dry. All nail heads must be set and spackled. Joints must be taped and covered with a joint compound. Spackled nail heads and tape joints must be sanded smooth and all dust removed prior to painting. Exterior surfaces must be spackled with exterior grade compounds.
- I. Drywall - Interior: Must be clean and dry. All nail heads must be set and spackled. Joints

must be taped and covered with a joint compound. Spackled nail heads and tape joints must be sanded smooth and all dust removed prior to painting.

- J. Galvanized Metal: Clean per SSPC-SP1 using detergent and water or a degreasing cleaner to remove greases and oils. Apply a test area, priming as required. Allow the coating to dry at least one week before testing. If adhesion is poor, Brush Blast per SSPC-SP16 is necessary to remove these treatments.
- K. Plaster: Must be allowed to dry thoroughly for at least 30 days before painting unless the products are designed to be used in high pH environments. Room must be ventilated while drying; in cold, damp weather, rooms must be heated. Damaged areas must be repaired with an appropriate patching material. Bare plaster must be cured and hard. Textured, soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with clear water and allow to dry.
- L. Steel: Structural, Plate, And Similar Items: Should be cleaned by one or more of the surface preparations described below. These methods are used throughout the world for describing methods for cleaning structural steel. Visual standards are available through the Society of Protective Coatings. A brief description of these standards together with numbers by which they can be specified follow.
 1. Solvent Cleaning, SSPC-SP1: Solvent cleaning is a method for removing all visible oil, grease, soil, drawing and cutting compounds, and other soluble contaminants. Solvent cleaning does not remove rust or mill scale. Change rags and cleaning solution frequently so that deposits of oil and grease are not spread over additional areas in the cleaning process. Be sure to allow adequate ventilation.
 2. Hand Tool Cleaning, SSPC-SP2: Hand Tool Cleaning removes all loose mill scale, loose rust, and other detrimental foreign matter. It is not intended that adherent mill scale, rust, and paint be removed by this process. Before hand tool cleaning, remove visible oil, grease, soluble welding residues, and salts by the methods outlined in SSPC-SP1.
 3. Power Tool Cleaning, SSPC-SP3: Power Tool Cleaning removes all loose mill scale, loose rust, and other detrimental foreign matter. It is not intended that adherent mill scale, rust, and paint be removed by this process. Before power tool cleaning, remove visible oil, grease, soluble welding residues, and salts by the methods outlined in SSPC-SP1.
 4. White Metal Blast Cleaning, SSPC-SP5 or NACE 1: A White Metal Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products, and other foreign matter. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods.
 5. Commercial Blast Cleaning, SSPC-SP6 or NACE 3: A Commercial Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products, and other foreign matter, except for staining. Staining shall be limited to no more than 33 percent of each square inch of surface area and may consist of light shadows, slight streaks, or minor discoloration caused by stains of rust, stains of mill scale, or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods.
 6. Brush-Off Blast Cleaning, SSPC-SP7 or NACE 4: A Brush-Off Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, loose mill scale, loose rust, and loose paint. Tightly adherent mill scale, rust, and paint may remain on the surface. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP 1 or other agreed upon methods.
 7. Power Tool Cleaning to Bare Metal, SSPC-SP11: Metallic surfaces that are prepared according to this specification, when viewed without magnification, shall be free of all

visible oil, grease, dirt, dust, mill scale, rust, paint, oxide corrosion products, and other foreign matter. Slight residues of rust and paint may be left in the lower portions of pits if the original surface is pitted. Prior to power tool surface preparation, remove visible deposits of oil or grease by any of the methods specified in SSPC-SP1, Solvent Cleaning, or other agreed upon methods.

8. Near-White Blast Cleaning, SSPC-SP10 or NACE 2: A Near White Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products, and other foreign matter, except for staining. Staining shall be limited to no more than 5 percent of each square inch of surface area and may consist of light shadows, slight streaks, or minor discoloration caused by stains of rust, stains of mill scale, or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods.
 9. High- and Ultra-High Pressure Water Jetting for Steel and Other Hard Materials: SSPC-SP12 or NACE 5: This standard provides requirements for the use of high- and ultra-high pressure water jetting to achieve various degrees of surface cleanliness. This standard is limited in scope to the use of water only without the addition of solid particles in the stream.
 10. Water Blasting, SSPC-SP12/NACE No. 5: Removal of oil grease dirt, loose rust, loose mill scale, and loose paint by water at pressures of 2,000 to 2,500 psi at a flow of 4 to 14 gallons per minute.
- M. Vinyl Siding, Architectural Plastics, EIFS and Fiberglass: Clean vinyl siding thoroughly by scrubbing with a warm, soapy water solution. Rinse thoroughly. Do not paint vinyl siding with any color darker than the original color unless the paint system features Sherwin-Williams VinylSafe technology. Painting with darker colors that are not Sherwin-Williams VinylSafe may cause siding to warp. Follow all painting guidelines of the vinyl manufacturer when painting. Only paint properly installed vinyl siding. Deviating from the manufacturer's painting guidelines may cause the warranty to be voided.
- N. Stucco: Must be clean and free of any loose stucco. If recommended procedures for applying stucco are followed, and normal drying conditions prevail, the surface may be painted in 30 days. The pH of the surface should be between 6 and 9 unless the products are designed to be used in high pH environments such as Loxon.
- O. Wood: Must be clean and dry. Prime and paint as soon as possible. Knots and pitch streaks must be scraped, sanded, and spot primed before a full priming coat is applied. Patch all nail holes and imperfections with a wood filler or putty and sand smooth.

3.3 INSTALLATION

- A. Apply all coatings and materials with the manufacturer's specifications in mind. Mix and thin coatings according to manufacturer's recommendations.
- B. Do not apply to wet or damp surfaces. Wait at least 30 days before applying to new concrete or masonry. Or follow manufacturer's procedures to apply appropriate coatings prior to 30 days. Test new concrete for moisture content. Wait until wood is fully dry after rain or morning fog or dew.
- C. Apply coatings using methods recommended by manufacturer.
- D. Uniformly apply coatings without runs, drips, or sags, without brush marks, and with consistent sheen.
- E. Apply coatings at spreading rate required to achieve the manufacturers recommended dry film thickness.

- F. Regardless of number of coats specified, apply as many coats as necessary for complete hide, and uniform appearance.
- G. Inspection: The coated surface must be inspected and approved by the Architect just prior to the application of each coat.

3.4 PROTECTION

- A. Protect finished coatings from damage until completion of project.
- B. Touch-up damaged coatings after substantial completion, following manufacturer's recommendation for touch up or repair of damaged coatings. Repair any defects that will hinder the performance of the coatings.

END OF SECTION

SECTION 03 35 43 – POLISHED CONCRETE SYSTEM – LEVEL 1

PART I – GENERAL

1.01 SUMMARY

- A. This is the specification for DiamaPolish Polished Concrete System by DiamaPro® Systems
- B. Installation details outlined on the materials most current technical data bulletin are provided at www.DiamaProSystems.com
- C. DiamaPolish Polished Concrete System is a mechanical process of finishing the concrete surface utilizing chemical treatments to produce a fully refined dust proof, light reflective and easy to maintain surface.

1.02 SECTION INCLUDES

- A. Products and procedures for the installation of the DiamaPolish Concrete System:
1. DiamaPro® Mechanical Diamond Grinding and Polishing Equipment
 2. DiamaPro® Concrete Chemical Treatments

1.03 SUBMITTALS

- A. Product Data: Submit Manufacturer's technical literature for each product indicated. Include manufacturer's technical data, application instructions, recommendations and Safety Data Sheet.
- B. Installer Qualifications: Provide written documentation of the installer's certification of compliance, as specified under 1.04 QUALITY ASSURANCE / WARRANTY.
- C. Maintenance Data: Provide manufacturer's instructions for maintenance of installed work. These instructions should contain precautions against methods and cleaning products which may jeopardize the short and long-term service life of the finish and performance.

1.04 QUALITY ASSURANCE / WARRANTY

- A. Warranty: The DiamaPolish Polished Concrete System consists of a process and products engineered and manufactured by DiamaPro® Systems. Substitutions will not be permitted and will void warranty. For additional information contact DiamaPro® Systems (800-622-2048). A Five Diamond Certified Installer must be used to obtain a warranty.
- B. Installer Qualifications:
1. Installer shall be a DiamaPolish Five Diamond Installer for the DiamaPolish Polished Concrete System, including the use of DiamaPro® Systems equipment and diamond abrasives, and DiamaPro® Systems concrete preparation, and chemical hardening and finishing materials.
 2. A DiamaPro® DiamaPolish Polished Concrete System certified supervisor must be maintained on site during all times during which specified work is performed. For a complete list of qualified installers in your region contact the DiamaPolish Project Manager at 501.514.5934.
 3. A current list of qualified DiamaPolish Five Diamond installers may be obtained through DiamaPro® Systems USA (501.514.5934).
- C. Mock-Up: Before performing the work, an on-site mock-up of the DiamaPolish® Polished Concrete System of the specified process must be installed for review and approval. These mock-ups should be installed using the same size machine and personnel who will perform work. The minimum size shall be 10' x 10' to show the complete process. All mock-ups may only be removed with the approval of the General Contractor / Architect / Owner.
- D. Static Coefficient of Friction (SCOF): A reading of not less than 0.5 for non-ramp surfaces shall be obtained as determined by certified using the ASTM D-2047 test method.
- E. Dynamic Coefficient of Friction (DCOF): A reading not less than 0.42 for non-ramp surfaces shall be obtained as determined by certified using the ANSI B101.3 test method.
- F. Floor moisture testing if DiamaPro DiamaColor® is used: A reading of not more than 85% RH shall be

accepted as measured by ASTM F-2170 Standards. Acceptable MVER shall be 6 pounds or less as measured by ASTM F-1896-04. If higher readings are obtained contact the DiamaPolish® Project Manager (501.514.5934).

G. Pre-Installation Conference: Prior to the installation of the DiamaPro® DiamaPolish Polished Concrete System an on-site conference shall be conducted to review specification requirements.

a. Required attendees include the Owner/Architect/General Contractor/DiamaPolish Polished Concrete System Subcontractor, and DiamaPro® representative.

b. The minimum agenda shall include:

- (1). Visual walk-through of work area, discussion of preparation of substrate and other pre-Installation conditions and issues.
- (2). Review of System requirements, including drawings, specifications and contract documents.
- (3). Review of mock-up location and size.
- (4). Review and finalization of installation schedule to avoid delays.
- (5). Access to work area by other trades to reduce possible damage to the floor before, during and after completion. No pipe cutting on floor. All lifts must be diapered and have non-marking wheels.
- (6). Review of required inspection, testing and certification.
- (7). Review of power requirements and responsibility
- (8). Review moisture testing results if DiamaColor® is being used.
- (9). Review of floor protection requirements during and after installation.
- (10). Review of cleaning procedures during and after installation.

H. The Owner / General Contractor shall be responsible for all aspects of the testing conducted unless otherwise directed by DiamaPolish Installer.

1.05 DELIVERY, STORAGE AND HANDLING

- A. Delivery of all materials must be in original container, displaying manufacturer's original label.
- B. Retain copies of all chemical SDS, and technical data sheets for all products on site.
- C. Store all materials in a dry environment at a minimum of 50°F and maximum of 90°F.

1.06 SITE CONDITIONS

- A. Comply with manufacturer's written instructions for substrate temperature and moisture content and ambient temperature affecting the finished floor.
- B. Close areas to all traffic during and after DiamaPolish Polished Concrete System application for a time recommended by DiamaPro® Systems.
- C. Installer shall inspect the existing substrate and document unsatisfactory conditions in writing. General Contractor / Owner shall be directed to correct unacceptable conditions prior to installation of the system. Commencement of work by the DiamaPolish Installer constitutes acceptance of substrate conditions.
- D. Freshly placed concrete must be cured sufficiently when moisture levels and strength are suitable as recommended by DiamaPro® Systems before the application can begin.
- E. Protect existing concrete and the newly installed DiamaPolish Polished Concrete System from contaminants. All stain producing liquids and acids must be kept away from contacting the floor.
- F. Prohibit the storage of construction materials on the newly installed DiamaPolish Polished Concrete System.

PART 2 – PRODUCTS

2.01 MANUFACTURERS

A. MANUFACTURERS: Subject to compliance with requirements; provide products by:

1. Basis of Design – DiamaPro® System, 3343 Peachtree Road NE, Suite 145 #24, Atlanta, GA 30326, (470) 977-2323 – www.DiamaProSystems.com

2. Substitutions must be approved in writing 10 days prior to bid date.

2.02 MATERIALS

A. EQUIPMENT

1. Planetary Grinder, Large Platform: 30" planetary floor polisher. Minimum head pressure of 550 lbs.
2. DiamaPro® Propane Burnisher, Propane 27" Burnisher.
3. Vacuums: Appropriate size dust collectors must be used and designed for the filtering concrete dust equipped with a registered HEPA filter.

B. DiamaPro® Diamond Abrasives 1-800-622-2048

1. Metal Bonded Diamonds – 18/20, 30/40, 60/80, 120-140 Grits.
2. Transitional Diamonds, - 30/50/100 Grit.
3. Resin Bonded Diamonds -50, 100, 200, 400, 800, 1500, 3000 Grit.
4. DiamaPro® Diamond Impregnated Pads – 200, 400, 800, 1500, 3000 Grit.
5. DiamaPro® Ceramic wheels for hand grinders – 30-50-100-200-400 Grit. Available in 5" and 7".

C. DiamaPro® Concrete Treatment Chemicals 1-800-622-2048

1. DiamaPro® DiamaHard Silicate Hardener for standard concrete and terrazzo
2. DiamaPro® DiamaGrout Reactive Surface Grout and Pin Hole Filler
3. DiamaPro® DiamaColor Micro Water/Solvent Borne High Performance Dye
4. DiamaPro® DiamaGuard HG Stain and Wear Protection Treatment (high-gloss)
5. DiamaPro® DiamaGuard Exceptional Stain Defender (no gloss enhancement)
6. DiamaPro® DiamaJoint Fill Plus with Microban Control Joint Sealant (Both Anti-fungal and Anti-bacterial Properties)

D. Floor Protection Systems

1. To help prevent damage during final building construction, an approved construction grade flooring protection system shall be installed after completion. No tape shall be applied to a finished DiamaPolish Polished Concrete surface as the adhesive may cause discoloration.

PART 3 – EXECUTION

3.01 EXAMINATION PRIOR TO EXECUTION

- A. Inspect all concrete substrates and conditions within the area and surrounding area where the system is to be installed.
- B. Document and correct conditions detrimental to proper and timely installation of the system.
- C. Verify that existing concrete has an acceptable moisture level before installing the DiamaPolish Polished Concrete System when DiamaColor® is utilized.
- D. Review the mock-up panel to insure it is satisfactory and meets all specified requirements.

3.02 PREPARATION

A. Preparation of the surface / area

1. Clear surfaces of all construction materials and equipment that might impede the installation process.
2. Power source for the equipment shall be prepared by the general contractor with direction from the installation contractor.
3. Using the appropriate mechanical means remove existing floor coverings, paints and coatings. Adhesives and resinous coatings must be removed to their penetrated depth.
 - a. Prevent any damage to concrete slab surface during demolition from chipping hammers. Existing floor covering shall be removed mechanically with scraping equipment.
4. Chemical preparation of the substrate is NOT acceptable.

5. Suppress dust during demolition with the use of HEPA vacuum systems and air-scrubbers to reduce or eliminate airborne concrete and substrate dust.
6. Where existing concrete is damaged not within specified tolerance the Installer of the DiamaPolish Polished Concrete System will evaluate conditions and proceed with appropriate DiamaPolish System components. These areas must be discussed, priced and included within the written scope of work.

B. Joint Fill (Indoor Non-Moving)

1. Joint fill material must contain Microban, an anti-bacterial and anti-fungal additive
2. All joint fill materials shall be installed according to the most current written recommendations provided in the manufacturer's most current technical data.
3. For the optimum results all joints should be filled before or after the initial pass of metal bond diamonds.
4. If the joint filling will occur after the polishing process contact the DiamaPolish Project Manager (501.514.5934) for instructions.

3.03 POLISHING

A. LEVELS – Size of aggregate being exposed

1. LEVEL 1 - A shallow cut or cream finish that exposes the fine sand within in the concrete cap.
 - a. To obtain the most uniform appearance the floor flatness must be higher than FF 50.

B. GLOSS LEVELS

1. Gloss readings are to be taken before using any film forming products.
2. Gloss readings shall be taken not less than 2' from the perimeter of the installed area or from a construction joint. In no case shall a reading be below 3% of specified minimum gloss:
 - a. Level A Gloss – Low Gloss reading of 30 to 40. 400 grit diamond finish.
 - b. Level B Gloss – Medium Gloss reading of 41 to 55. 800 grit diamond finish.
 - c. Level C Gloss – High Gloss reading of 56 or higher. 1500 grit or higher.

C. POLISHING STEPS

1. DiamaPro® Transitional Diamond Tooling
2. Apply DiamaHard per application instructions at a rate of 400 FT².
3. Allow DiamaHard to dry 1 hour depending on ambient and slab temperature.
4. DiamaPro® 100 grit resin bond diamond tooling
5. Squeegee, vacuum or auto-scrub to remove all residual dust.
6. DiamaPro® 400 Grit Resin Bonded Diamonds.
7. Squeegee, vacuum or auto-scrub to remove all residual dust.
8. DiamaPro® 800 Grit Resin Bonded Diamonds.
9. Squeegee, vacuum or auto-scrub to remove all residual dust.
10. DiamaPro® 800 Diamond Impregnated Pad.
11. Dry mop the floor clean to remove all debris.
12. Apply DiamaGuard (High Gloss) per application instructions at a rate of 2500-3,000 square feet per gallon. Allow to dry a minimum of 15 minutes.
12. DiamaPro® 800 Diamond Impregnated Pad.
13. Apply a second coat of DiamaGuard (High Gloss) at a rate of 2500-3000 sq.ft./gal. Allow to dry for 15 minutes.
14. DiamaPro® 800 Diamond Impregnated Pad

3.05 EDGES

- A. Edge polishing work shall be done with a 5" or 7" DiamaPro® Speedi Edge and Hand-Held Grinder or Walk Behind edge polishing machine. The edge polishing process will match the steps above for the desired cut and gloss level. Each step shall be done immediately after the matching polishing step.
- B. All grinding, and polishing must be performed while connected to a HEPA registered dust extractor.

3.06 ACCEPTANCE

- A. Remove all equipment and containers from the site after the work has been performed.
- B. Clean surfaces immediately outside of the work area from debris produced by the polishing process.
- C. Take pictures of final product for documentation and submittal, if requested or required.

3.07 PROTECTION

- A. Clean spills that may occur as quickly as possible with an approved cleaner.
- B. Protect the finished DiamaPolish Polished Concrete System from other trades by installing the protective floor covering system.
 - 1. The protective floor covering must be approved by the Installer of the DiamaPolish Polished Concrete System.
 - 2. If the protective floor covering material is damaged during use that section must be replaced.
 - 3. At no time tape shall be used to secure the protective covering to the finished floor.
 - 3. Once the installation contractor has completed their scope of work, the integrity of the protective floor covering shall be the responsibility of the general contractor.

3.08 ONGOING MAINTENANCE

- A. Initial Cleaning
 - 1. DO NOT USE water for cleaning the surface for a minimum of 72 hours after initial installation. Avoid using mats or non-breathable coverings for a minimum of 14 days to allow the system to fully cure.
 - 2. NEVER USE cleaners that are acidic.
 - 3. Regular maintenance and cleaning will help prolong surface shine and protective qualities.
- B. Daily Maintenance
 - 1. Post initial cure (min. 72 hours); Regular sweeping with a dry mop or micro-fiber dust mop. DiamaPro® DiamaClean (or approved equal by DiamaPro Systems) neutral pH cleaner may be used when soils or stains are difficult to remove. Water puddles should be removed immediately after cleaning.
 - 2. An auto-scrubber may be used if equipped with a vacuum system to extract water. The solution tank should be filled with DiamaPro® DiamaClean diluted in potable water. The scrubber should be equipped with a soft pad. DO NOT USE A BRUSH attachment.
- C. Weekly Maintenance
 - 1. An auto-scrubber may be used if equipped with a vacuum system to extract water. The solution tank should be filled with DiamaPro® DiamaClean diluted in potable water. The scrubber should be equipped with a soft pad. DO NOT USE A BRUSH attachment.
 - 2. Use of a high-speed burnisher equipped with a DiamaPro® Burnishing Pad should be used as needed to restore gloss to specified levels.
- D. Extended Maintenance
 - 1. After thorough cleaning a maintenance coat of the DiamaPro® DiamaGuard HG may be applied to restore original gloss and increase the stain resistance of the surface. Follow all technical data instructions for proper application or consult the original floor installer for assistance.
 - 2. Use of a BURNISHER equipped with a DiamaPro® Burnishing Pad should be used after an application of the DiamaPro® DiamaGuard HG to restore gloss.

END OF SECTION

SECTION 09 67 23 – RESINOUS FLOORING

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes:
 - 1. High-performance resinous flooring systems.

1.2 SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Installer Certificates for Qualification: Signed by manufacturer stating that installers comply with specified requirements.
- C. Material Certificates: For each resinous flooring component, from manufacturer.
- D. Maintenance Data: For maintenance manuals.
- E. Samples: Submit two 6" X 6" samples of each resinous flooring system applied to a rigid backing. Provide sample which is a true representation of proposed field applied finish. Provide sample color and texture for approval from Owner in writing or approved by General Contractor prior to installation.
- F. Product Schedule: For resinous flooring.

1.3 QUALITY ASSURANCE

- A. Installer Qualifications: Manufacturer's authorized representative who is trained and approved for installation of flooring systems required for this Project.
 - 1. Engage an installer who is approved in writing by resinous flooring manufacturer as qualified to apply resinous flooring systems indicated.
 - 2. Installer Letter of Qualification: Installer to provide letter stating that they have been in business for at least 5 years and listing 5 projects in the last 2 years of similar scope. For each project provide: project name, location, date of installation, contact information, size of project, and manufacturer of materials with system information.
- B. Source Limitations: Obtain primary resinous flooring materials, including primers, resins, hardening agents, grouting coats, and topcoats, from single source from single manufacturer. Provide secondary materials, including patching and fill material, joint sealant, and repair materials, of type and from source recommended by manufacturer of primary materials.
- C. Pre-installation Conference: Conduct conference at Project site before work and mockups begin.
- D. Mockups: Apply mockups to verify selections made under sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution. Do not cover up mockup area.
 - 1. Apply full-thickness mockups on 16 square foot floor area selected by Architect.
 - 2. Finish surfaces for verification of products, color, texture, and sheen.
 - 3. Simulate finished lighting conditions for Architect's review of mockups.
 - 4. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.
 - 5. Mockup shall demonstrate desired slip resistance for review and approval by Owner's representative in writing.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials in original packages and containers, with seals unbroken, bearing manufacturer's labels indicating brand name and directions for storage and mixing with other components.
 - 1. Maintain containers in clean condition, free of foreign materials and residue.
 - 2. Remove rags and waste from storage areas daily.

1.5 PROJECT CONDITIONS

- A. Environmental Limitations: Comply with resinous flooring manufacturer's written instructions for substrate temperature, ambient temperature, moisture, ventilation, and other conditions affecting resinous flooring application.
- B. Lighting: Provide permanent lighting or, if permanent lighting is not in place, simulate permanent lighting conditions during resinous flooring application.
- C. Close spaces to traffic during resinous flooring application and for not less than 24 hours after application unless manufacturer recommends a longer period.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by:
 - 1. Basis of Design-The Sherwin Williams Company, Cleveland, OH. swflooring@sherwin.com.
 - 2. Substitutions must be approved in writing 10 days prior to bid date.

2.2 MATERIALS

- A. VOC Content of Resinous Flooring: Provide resinous flooring systems, for use inside the weatherproofing system, that comply with the following limits for VOC content when calculated according to 40 CFR 59, Subpart D (EPA Method 24)].
 - 1. Resinous Flooring: 100 g/L.

2.3 HIGH-PERFORMANCE RESINOUS FLOORING

- A. Resinous Flooring: Abrasion-, impact- and chemical-resistant, high-performance, resin-based, monolithic floor surfacing designed to produce a seamless floor.
- B. System Characteristics:
 - 1. Color and Pattern: As indicated from manufacturers listed above.
 - 2. Slip Resistance: Provide slip resistant finish.
- C. Systems
 - 1. **Resufloor Screed TG46** in 125 Apparatus Bay-
 - a. 1st Coat: Primer Resuprime 3579 applied at 250 sq. ft. / gal
 - b. 2nd Coat: Mortar Resufloor 3561 with 5115 applied at published system guide coverage rates to achieve the required thickness
 - c. 3rd Coat: Grout coat Resufloor 3746 applied at 100 sq. ft. / gal
 - d. 4th Coat: Seal Coat Resufloor 3746 applied at 100 sq. ft. / gal
 - e. Seal Coat Resutile 4638 applied at 350 sf/gal
 - f. Total system thickness: 1/8"-1/4" as required by project documents
 - 2. **Epoxy/Urethane** with Intregal cove in 126 Water, 127 Storage, 128 Decon, 129 Decon Laundry, 130 Hallway, 131 EMS Decon, 132 Bunker Gear Storage, 132A Secure Storage, 133 Electrical
 - a. 1st Coat: SW Resuprime #3579 Standard Epoxy Primer
 - b. 2nd Coat: SW Resutile #4638 HS Polyurethane Floor
 - c. 3rd Coat: SW Resutile #4638 HS Polyurethane Floor
 - 3. **Resufloor Deco Quartz BC23** in 105 Men's Toilet, 106 Women's Toilet
 - a. Primer: Resuprime 3579 at 250 sq. ft per gallon
 - b. 1st Receiver Coat: Resufloor 3561 at 140-145 sq. ft. per gallon
 - c. 1st Broadcast: GP5900F to excess at 0.4 lbs per sq. ft.
 - d. 2nd Receiver Coat: Resufloor 3561 at 65-70 sq. ft. per gallon
 - e. 2nd Broadcast: GP5900F to excess at 0.4 lbs per sq. ft.

- f. Topcoat: Resutile 4638 at 350 sq. ft. per gallon.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Inspection: Prior to commencing Work, thoroughly examine all underlying and adjoining work, surfaces and conditions upon which Work is in any way dependent for perfect results. Report all conditions which affect Work. No "waiver of responsibility" for incomplete, inadequate or defective underlying and adjoining work, surfaces and conditions will be considered, unless notice of such unsatisfactory conditions has been filed and agreed to in writing before Work begins. Commencement of Work constitutes acceptance of surfaces.
- B. Surface Preparation: Remove all surface contamination, loose or weakly adherent particles, laitance, grease, oil, curing compounds, paint, dust and debris by blast track method or approved mechanical means (acid etch not allowed). If surface is questionable try a test patch. Create a minimum surface profile for the system specified in accordance with the methods described in ICRI No. 03732 to achieve profile CSP 4-6 as follows:
 - 1. Thin film, to 10 mils CSP-1 to CSP-3
 - 2. Thin and medium films, 10 to 40 mils CSP-3 to CSP-5
 - 3. Self-leveling mortars, to 3/16" CSP-4 to CSP-6
 - 4. Mortars and laminates, to 1/4" or more CSP-5 to CSP-10
- C. Verify that concrete substrates are dry and moisture-vapor emissions are within acceptable levels according to manufacturer's written instructions.
 - 1. Moisture Testing: Perform tests indicated below.
 - a. Calcium Chloride Test: Perform anhydrous calcium chloride test per ASTM F 1869. Proceed with installation only after substrates have maximum moisture-vapor-emission rate of 3 lb of water/1000 sq. ft. in 24 hours. Perform tests so that each test area does not exceed 1000 sq. ft. and perform 3 tests for the first 1000 sq. ft. and one additional test for every additional 1000 sq ft.
 - b. In-Situ Probe Test: Perform relative-humidity test using in-situ probes per ASTM F 2170. Proceed with installation only after substrates have a maximum 75 percent relative-humidity-level measurement.

3.2 ENVIRONMENTAL CONDITIONS

- A. All applicators and all other personnel in the area of the RF installation shall take all required and necessary safety precautions. All manufacturers' installation instructions shall be implicitly followed.
- B. Repair damaged and deteriorated concrete according to resinous flooring manufacturer's written instructions.
- C. Alkalinity and Adhesion Testing: Verify that concrete substrates have pH within acceptable range. Perform tests recommended by manufacturer. Proceed with application only after substrates pass testing.
- D. Resinous Materials: Mix components and prepare materials according to resinous flooring manufacturer's written instructions.
- E. Use patching and fill material to fill holes and depressions in substrates according to manufacturer's written instructions.
- F. Treat control joints and other nonmoving substrate cracks to prevent cracks from reflecting through resinous flooring according to manufacturer's written instructions.

3.3 APPLICATIONS

- A. Install resinous floor over properly prepared concrete surface in strict accordance with the manufacturer's directions.

1. Install the primer and/or base coats over thoroughly cleaned and prepared concrete.
 2. Install topcoat over flooring after excess aggregate has been removed.
 3. Maintain a slab temperature of 60°F to 80°F for 24 hours minimum before applying floor topping, or as instructed by manufacturer.
- B. Apply components of resinous flooring system according to manufacturer's written instructions to produce a uniform, monolithic wearing surface of thickness indicated.
1. Coordinate application of components to provide optimum adhesion of resinous flooring system to substrate, and optimum intercoat adhesion.
 2. Cure resinous flooring components according to manufacturer's written instructions. Prevent contamination during application and curing processes.
 3. At substrate expansion and isolation joints, comply with resinous flooring manufacturer's written instructions.
- C. Sealant: Saw cut resinous floor topping at expansion joints in concrete slab. Fill sawcuts with sealant prior to final seal coat application. Follow manufacturer's written recommendations.
- D. Apply primer over prepared substrate at manufacturer's recommended spreading rate.
- E. Slip Resistant Finish: Provide grit for slip resistance.
- F. Apply topcoats in number indicated for flooring system and at spreading rates recommended in writing by manufacturer.

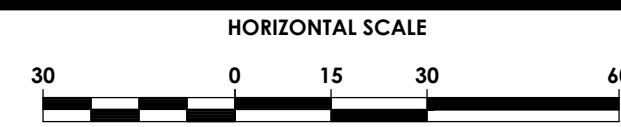
3.4 COMPLETED WORK

- A. Cleaning: Upon completion of the Work, clean up and remove from the premises surplus materials, tools, appliances, empty cans, cartons and rubbish resulting from the Work. Clean off all spattering and drippings, and all resulting stains.
- B. Protection: Protect Work in accordance with manufacturer's directions from damage and wear during the remainder of the construction period. Use protective methods and materials, including temporary covering, recommended in writing by resinous flooring manufacturer.
- C. Contractor shall insure that coating is protected from any traffic until it is fully cured to the satisfaction of the coating manufacturer.

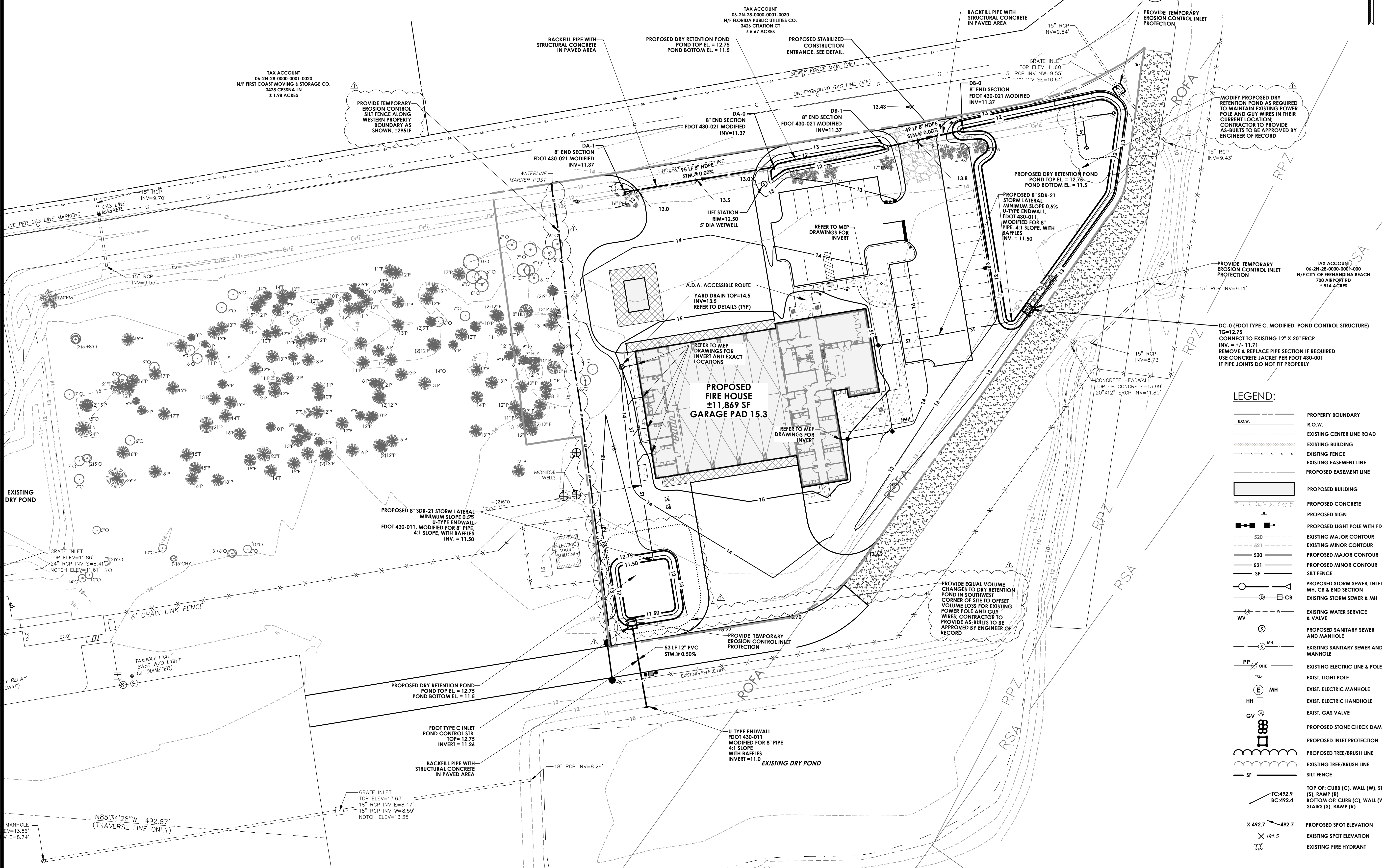
END OF SECTION

GRADING & EROSION CONTROL NOTES:

1. ALL EXCESS EXCAVATED SOIL SHALL BE STOCKPILED ON AIRPORT PROPERTY FOR THE OWNER.
2. SOD ALL DISTURBED AREAS.
3. PROVIDE TEMPORARY EROSION CONTROL SILT FENCE (AS SHOWN). PROVIDE TEMPORARY EROSION CONTROL INLET PROTECTION ON PROPOSED INLETS TO PREVENT ACCUMULATION OF SEDIMENT IN STORM SEWER SYSTEMS AND DRAINAGE PONDS/STRALES.
4. TEMPORARY EROSION CONTROL MEASURES SHALL REMAIN UNTIL TURF IS ESTABLISHED SEE STORMWATER POLLUTION PREVENTION PLAN DETAIL FOR FURTHER EROSION CONTROL INFORMATION.

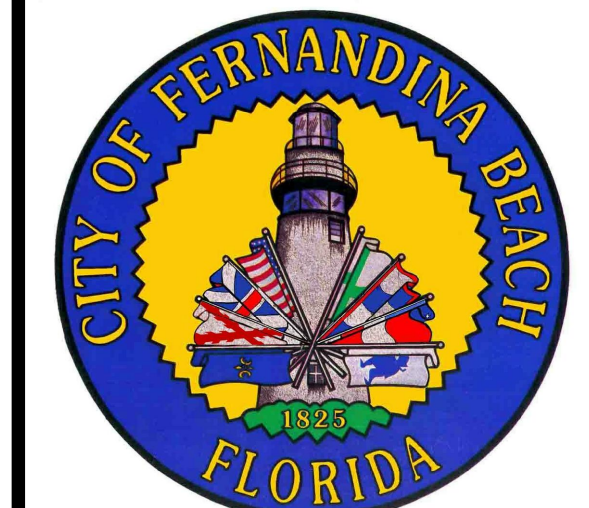


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ADDENDUM NO. 1
BID SET

Client:
CITY OF FERNANDINA BEACH



204 Ash Street
 Fernandina Beach, FL 32034

Passero Associates
 4730 Casa Cola Way, Suite 200 St. Augustine, FL (904) 757-6106
 Principal in Charge: Brockley Wente, PE
 Project Manager: Christopher Nardone, AIA
 Designed by: Pamela Torres

No.	Date	By	Description
1	7/23/2021	SR	SILT FENCE RELOCATION

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GRADING & EROSION CONTROL PLAN

600 AIRPORT ROAD

FERNANDINA FIRE STATION NO. 2

Town/City: Fernandina Beach
 County: Nassau State: Florida

Project No.: **99000047.0086**

Drawing No.: **C-401**

Date: **July 7, 2021**

- LEGEND:**
- P.O.W. --- PROPERTY BOUNDARY
 - EXISTING CENTER LINE ROAD --- R.O.W.
 - EXISTING BUILDING --- EXISTING CENTER LINE ROAD
 - EXISTING EASEMENT LINE --- EXISTING BUILDING
 - PROPOSED EASEMENT LINE --- EXISTING EASEMENT LINE
 - PROPOSED BUILDING --- PROPOSED EASEMENT LINE
 - PROPOSED CONCRETE --- PROPOSED BUILDING
 - PROPOSED SIGN --- PROPOSED CONCRETE
 - PROPOSED LIGHT POLE WITH FIXTURE --- PROPOSED SIGN
 - EXISTING MAJOR CONTOUR --- EXISTING MAJOR CONTOUR
 - EXISTING MINOR CONTOUR --- EXISTING MINOR CONTOUR
 - PROPOSED MAJOR CONTOUR --- PROPOSED MAJOR CONTOUR
 - EXISTING MINOR CONTOUR --- EXISTING MINOR CONTOUR
 - SILT FENCE --- SILT FENCE
 - PROPOSED STORM SEWER INLET --- PROPOSED STORM SEWER INLET
 - EXISTING STORM SEWER & MH --- EXISTING STORM SEWER & MH
 - EXISTING WATER SERVICE & VALVE --- EXISTING WATER SERVICE & VALVE
 - PROPOSED SANITARY SEWER AND MANHOLE --- PROPOSED SANITARY SEWER AND MANHOLE
 - EXISTING SANITARY SEWER AND MANHOLE --- EXISTING SANITARY SEWER AND MANHOLE
 - EXISTING ELECTRIC LINE & POLE --- EXISTING ELECTRIC LINE & POLE
 - EXIST. LIGHT POLE --- EXIST. LIGHT POLE
 - EXIST. ELECTRIC MANHOLE --- EXIST. ELECTRIC MANHOLE
 - EXIST. ELECTRIC HANDHOLE --- EXIST. ELECTRIC HANDHOLE
 - EXIST. GAS VALVE --- EXIST. GAS VALVE
 - PROPOSED STONE CHECK DAM --- PROPOSED STONE CHECK DAM
 - PROPOSED INLET PROTECTION --- PROPOSED INLET PROTECTION
 - PROPOSED TREE/BUSH LINE --- PROPOSED TREE/BUSH LINE
 - EXISTING TREE/BUSH LINE --- EXISTING TREE/BUSH LINE
 - SILT FENCE --- SILT FENCE
 - TOP OF CURB (C), WALL (W), STAIRS (S), RAMP (R) --- TOP OF CURB (C), WALL (W), STAIRS (S), RAMP (R)
 - BOTTOM OF CURB (C), WALL (W), STAIRS (S), RAMP (R) --- BOTTOM OF CURB (C), WALL (W), STAIRS (S), RAMP (R)
 - PROPOSED SPOT ELEVATION --- PROPOSED SPOT ELEVATION
 - EXISTING SPOT ELEVATION --- EXISTING SPOT ELEVATION
 - EXISTING FIRE HYDRANT --- EXISTING FIRE HYDRANT

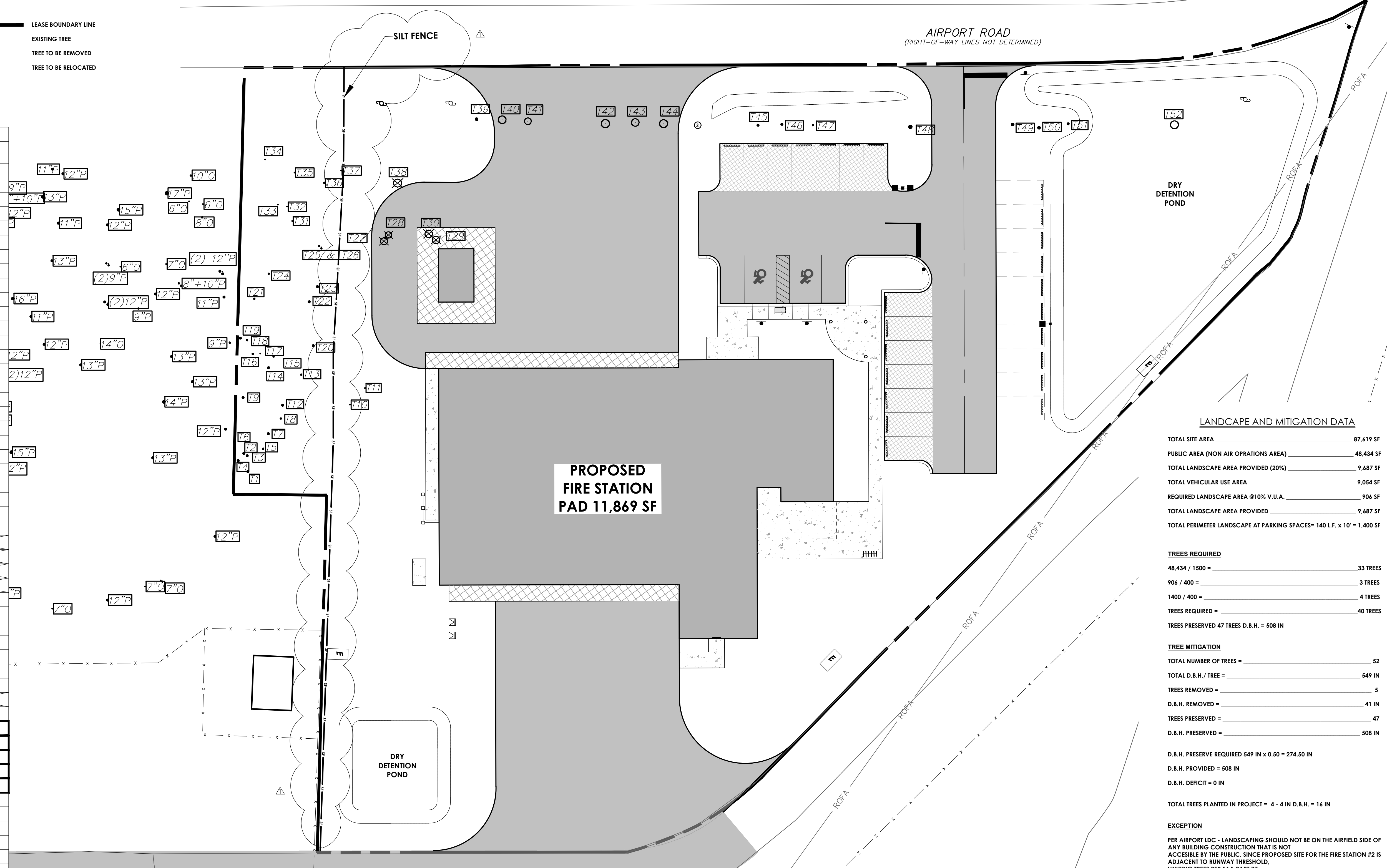
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LEGEND:

- LEASE BOUNDARY LINE
- T# EXISTING TREE
- ⊗ T# TREE TO BE REMOVED
- T# TREE TO BE RELOCATED

NUMBER	SIZE AND TYPE
T1	12" PINE
T2	12" PINE
T3	12" PINE
T4	13" PINE
T5	9" PINE
T6	11" PINE
T7	11" PINE
T8	8" PINE
T9	12" PINE
T10	6" OAK
T11	6" OAK
T12	11" PINE
T13	10" HLY
T14	12" PINE
T15	10" PINE
T16	8" PINE
T17	7" HLY
T18	9" OAK
T19	12" PINE
T20	12" PINE
T21	10" PINE
T22	13" PINE
T23	13" PINE
T24	8" HLY
T25	9" PINE
T26	9" PINE
T27	11" OAK
T28	6" OAK
T29	9" PINE
T30	6" OAK
T31	6" OAK
T32	6" OAK
T33	7" OAK
T34	6" OAK
T35	7" OAK
T36	8" OAK
T37	6" OAK
T38	9" OAK
T39	16" PM
T40	16" PM
T41	14" PM
T42	16" PM
T43	12" PM
T44	14" PM
T45	12" PM
T46	13" PM
T47	10" PM
T48	17" PM
T49	15" PM
T50	14" PM
T51	13" PM
T52	15" PM

- ⊗ TREES TO BE REMOVED
- TREES TO BE RELOCATED



LANDSCAPE AND MITIGATION DATA

TOTAL SITE AREA	87,619 SF
PUBLIC AREA (NON AIR OPERATIONS AREA)	48,434 SF
TOTAL LANDSCAPE AREA PROVIDED (20%)	9,687 SF
TOTAL VEHICULAR USE AREA	9,054 SF
REQUIRED LANDSCAPE AREA @10% V.U.A.	906 SF
TOTAL LANDSCAPE AREA PROVIDED	9,687 SF
TOTAL PERIMETER LANDSCAPE AT PARKING SPACES= 140 L.F. x 10' = 1,400 SF	

TREES REQUIRED

48,434 / 1500 =	33 TREES
906 / 400 =	3 TREES
1400 / 400 =	4 TREES
TREES REQUIRED =	40 TREES
TREES PRESERVED 47 TREES D.B.H. = 508 IN	

TREE MITIGATION

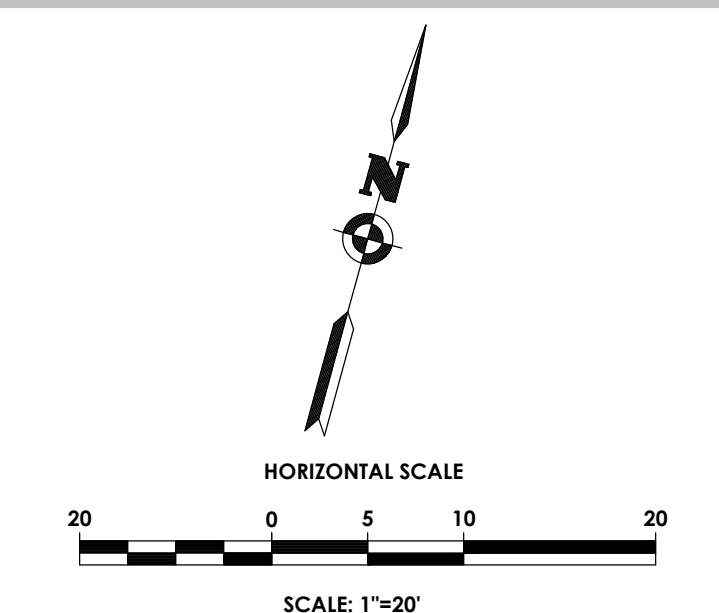
TOTAL NUMBER OF TREES =	52
TOTAL D.B.H. / TREE =	549 IN
TREES REMOVED =	5
D.B.H. REMOVED =	41 IN
TREES PRESERVED =	47
D.B.H. PRESERVED =	508 IN

D.B.H. PRESERVE REQUIRED 549 IN x 0.50 = 274.50 IN
 D.B.H. PROVIDED = 508 IN
 D.B.H. DEFICIT = 0 IN

TOTAL TREES PLANTED IN PROJECT = 4 - 4 IN D.B.H. = 16 IN

1 TREE PROTECTION SITE PLAN
 SCALE: 1" = 20' - 0"

IF THERE IS A DISCREPANCY BETWEEN ARCHITECTURAL AND ENGINEERING SPECIFICATIONS OR DRAWINGS, THEN ENGINEERING SHALL BE FOLLOWED UNLESS ARCHITECTURAL DESIGN IS AFFECTED; THEN CONTACT ENGINEER IN ANY CASE OF DISCREPANCY, CONTACT ARCHITECT FOR DIRECTION.



THIS DRAWING WAS PREPARED BY USING THE SURVEY DRAWN BY: MANZIE & DRAKE LAND SURVEYING. REGISTERED LANDSURVEYORS DATED: JULY 30, 2019

GENERAL NOTES

- TREE PRESERVATION**
- REFER TO LAND DEVELOPMENT CRITERIA ON SHEET L-003 FOR D.B.H. TOTALS
 - PROVIDE PROTECTIVE MEASURES FOR TREES DURING DEVELOPMENT TO AVOID: MECHANICAL INJURIES TO ROOTS, TRUNK, AND BRANCHES INCLUDING INJURIES BY CHEMICAL POISONING, GRADE CHANGES, EXCAVATIONS AND PAVING
 - PROVIDE TREE PROTECTION ZONE AROUND EACH PROTECTED TREE FROM SIX (6) FEET TO TWENTY (20) FEET DEPENDING ON THE TREE DRIP LINE
 - PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE PROTECTION ZONE SHALL BE ENCLOSED AS FOLLOWS: PROVIDE MIN. 2 X 4 WOOD POSTS IMPLANTED IN THE GROUND DEEP ENOUGH FOR STABILITY AND THREE (3) FEET ABOVE GRADE, PLACED NOT MORE THAN SIX (6) FEET APART AND LINKED TOGETHER BY CHAIN OR ROPE
 - UNDERGROUND UTILITIES **SHALL NOT** BE CLOSER THAN TEN (10) FEET TO TREE
- ALL LANDSCAPED AREAS SHALL BE GRASS OR COVERED WITH GROUND COVER
 - SOLID SOD SHALL BE USED IN SWALES AND AREAS SUBJECT TO EROSION
 - GRASS SOD SHALL BE CLEAN & REASONABLY FREE OF WEEDS, PESTS & DISEASE
 - WHERE APPLICABLE RETAIN NATIVE AND DROUGHT TOLERANT SPECIES
 - PROVIDE DROUGHT TOLERANT OR XERISCAPE LANDSCAPE MATERIALS
 - PER LDC 20' BUFFER REQUIRED
 - REFER TO DRAWING NO. L-002 THRU L-004 FOR ADDITIONAL NOTES
 - REMOVE ALL INVASIVE PLANTS AND SCRUB BRUSH 4" DIAMETER AND UNDER IN THE LANDSCAPE AREAS EAST OF THE INDICATED SILT FENCE AS DIRECTED BY ARCHITECT
 - DWARF PALMETOS TO REMAIN AS DIRECTED BY ARCHITECT



ADDENDUM NO. 1
 BID SET

Stamp:

Client:
CITY OF FERNANDINA BEACH



204 Ash Street
 Fernandina Beach, FL 32034

Passero Associates

4730 Casa Cola Way, Suite 200 St. Augustine, FL (904) 757-6106

Principal in Charge: Christopher Nardone, AIA
 Project Manager: Bradley Wente, PE
 Designed by: Christopher Nardone, AIA; Pamela Torres

No.	Date	By	Description
1	7/23/2021	SR	SILT FENCE RELOCATION

UNAUTHORIZED USE OF THESE DRAWINGS IS IN VIOLATION OF FLORIDA ADMINISTRATIVE CODE 61G15-27.001 AND FLORIDA STATUTES 471.033(1). THESE PLANS ARE COPYRIGHT PROTECTED. ©

TREE PROTECTION SITE PLAN

600 AIRPORT ROAD

FERNANDINA FIRE STATION NO.2
 Town/City: Fernandina Beach
 County: Nassau State: Florida

Project No.:
99000047.0086

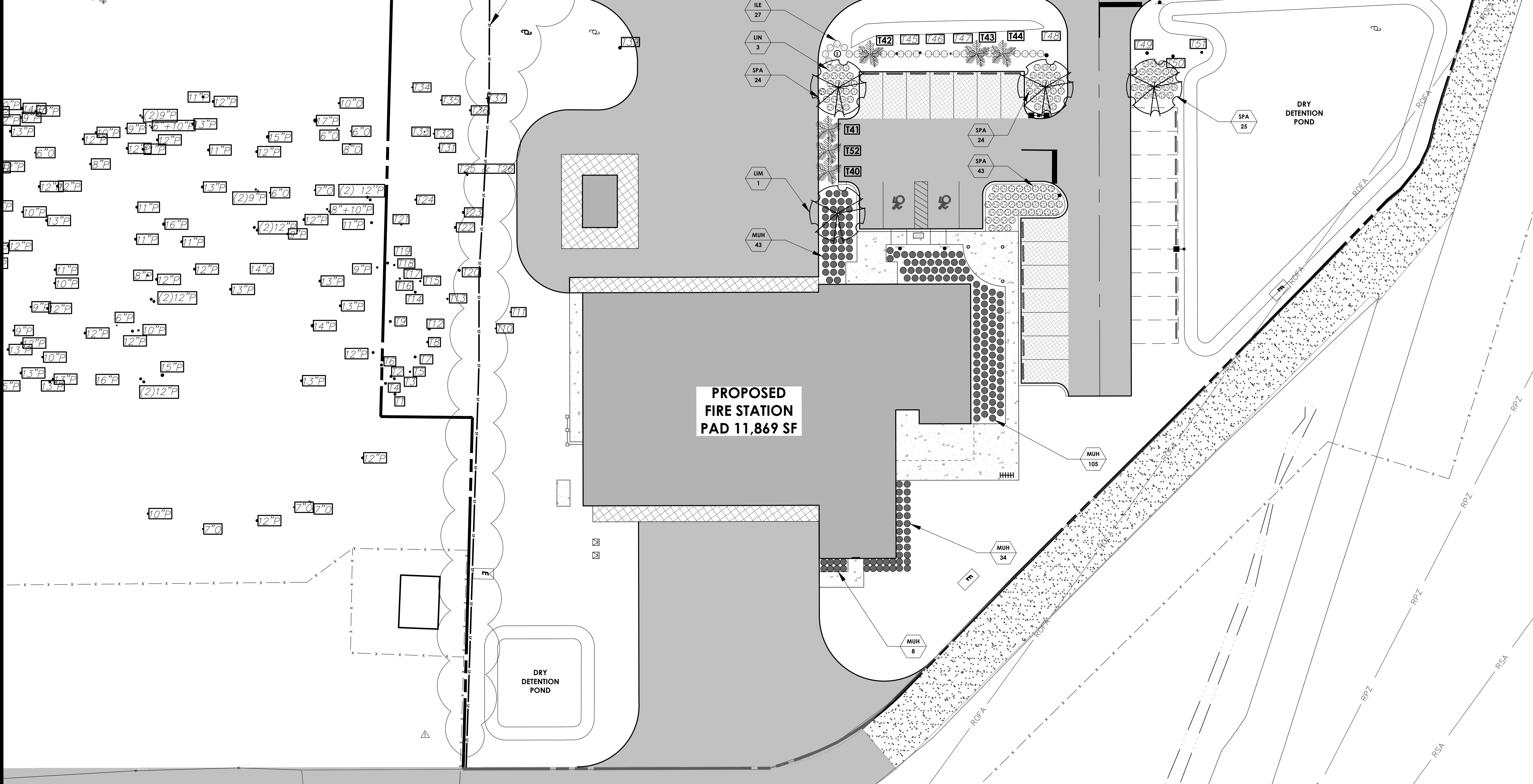
Drawing No.:
L-001

Date:
July 7, 2021

Y:\PROJECTS\NEW\1999\99000047\088 - FIRE HOUSE DRAWINGS\ENGINEERING\L-002 LANDSCAPE SITE PLAN REV 7.22.21.DWG 7/22/2021 3:36 PM Stephanie Roberts
 Drawing name: Y:\Projects-New\1999\99000047 SE Fire House Drawings\Engineering\L-002 Landscape site plan rev 7.22.21.dwg
 Jul 22, 2021 3:36pm by: arcoberts

LEGEND:

- LEASE BOUNDARY LINE
- EXISTING TREE
- PALM TREES TO BE RELOCATED



**PROPOSED
FIRE STATION
PAD 11,869 SF**

SILT FENCE

AIRPORT ROAD
(RIGHT-OF-WAY LINES NOT DETERMINED)

DRY DETENTION POND

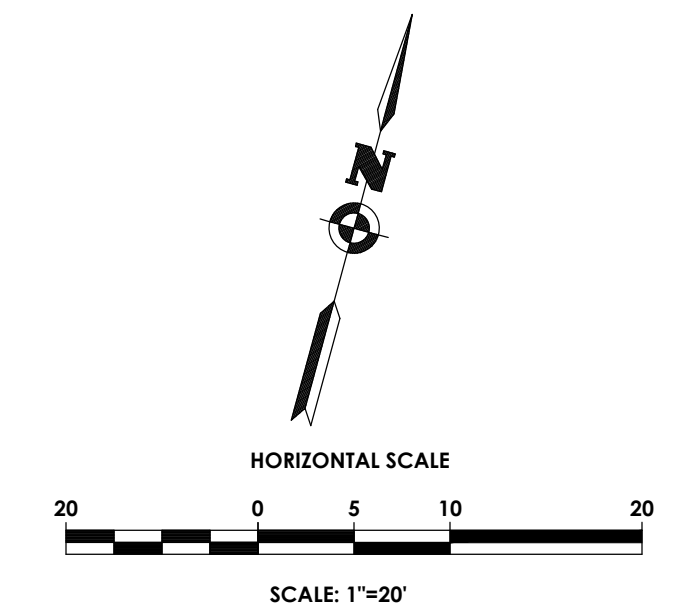
DRY DETENTION POND

PLANT LIST

1 LANDSCAPE SITE PLAN
SCALE: 1" = 20' - 0"

IF THERE IS A DISCREPANCY BETWEEN ARCHITECTURAL AND ENGINEERING SPECIFICATIONS OR DRAWINGS, THEN ENGINEERING SHALL BE FOLLOWED UNLESS ARCHITECTURAL DESIGN IS AFFECTED; THEN CONTACT ENGINEER IN ANY CASE OF DISCREPANCY, CONTACT ARCHITECT FOR DIRECTION.

SUNSHINE STATE ONE CALL OF FLORIDA:
AT LEAST 48 HOURS BEFORE YOU DIG, EXCLUDING SATURDAYS, SUNDAYS AND HOLIDAYS, CALL **811** WHEN CALLING FROM FLORIDA AND **1-800-432-4770** WHEN CALLING FROM OUTSIDE FLORIDA. A REPRESENTATIVE WILL COME TO YOUR PROPERTY TO LOCATE AND MARK PUBLIC UTILITIES. THERE IS NO CHARGE FOR THIS SERVICE.



THIS DRAWING WAS PREPARED BY USING THE SURVEY DRAWN BY: MANZIE & DRAKE LAND SURVEYING, REGISTERED LANDSURVEYORS DATED: JULY 30, 2019

SYM	QTY	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS	NATIVE
LIN	3	LAGERSTROMIA INDICA 'NATCHEZ'	CRAPE MYRTLE VAR. 'NATCHEZ'	14' x 5' ; 5' CT.; MULTI-TRNK TR. STD.; FULL HD., EQUALLING 4" D.B.H.	NO
LIM	1	LAGERSTROMIA INDICA 'MUSKOGEE'	CRAPE MYRTLE VAR. 'MUSKOGEE'	14' x 5' ; 5' CT.; MULTI-TRNK TR. STD.; FULL HD., EQUALLING 4" D.B.H.	NO
SP +	1	SABAL PALMETTO	CABBAGE PALM	10, 12, 14' CT.; HURRICANE CUT; STAGGERED HDS.	YES
ILE	27	ILEX VOMITORIA 'SCHILLINGS'	YAUPON HOLLY	3-GAL; 18" OA; FULL; HEAVY; 36" O.C. AS SHOWN	YES
SPA	116	SPARTINA BAKERI	SAND CORNDRASS	1-GAL; 18" OA; FULL; HEAVY; 36" O.C. AS SHOWN	YES
MUH	190	MUHLENBERGIA CAPILLARIS	MUHY GRASS	1-GAL; 18" OA; FULL; HEAVY; 36" O.C. AS SHOWN	YES
SOD	+/-30,952 SF	CYNODON DACTYLON	BERMUDA GRASS	SOLID SOD OVERSEED WITH RYE GRASS; DISEASE-FREE; LAID TIGHT W/ EVEN JOINTS.	YES

+ FINAL QUANTITY DETERMINED BY ACTUAL TRANSPLANT OPERATION SUBSTITUTIONS. SEE "TRANSPLANTS" ABOVE AND "NOTE", SHEET L-001.

PA
PASSERO ASSOCIATES
engineering architecture

PROMUS

ADDENDUM NO. 1
BID SET

Stamp:

Client:
CITY OF FERNANDINA BEACH



204 Ash Street
Fernandina Beach, FL 32034

Passero Associates
4730 Casa Cola Way, Suite 200 St. Augustine, FL (904) 757-6106
Principal in Charge: Bradley Wente, PE
Project Manager: Christopher Nardone, AIA
Designed by: Pamela Torres

No.	Date	By	Description
1	7/23/2021	SR	SILT FENCE RELOCATION

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LANDSCAPE SITE PLAN

600 AIRPORT ROAD

FERNANDINA FIRE STATION
NO.2

Town/City: Fernandina Beach
County: Nassau State: Florida

Project No.:
99000047.0086

Drawing No.:
L-002

Date:
July 7, 2021



City of Fernandina Beach
 Fernandina Beach Municipal Airport
 Fire Station No. 2

**Non-Mandatory Pre-Bid Meeting
 Attendance Log**

July 16, 2021 @ 11:00 AM
 Project No. 99000047.0086

Name	Company	Address	Email	Phone
Mike Ritter	Scherer Const.	2926 Kolisow Ave Jax, FL 32254	Michaelritter@schererfl.com	904-571-2660
Jimmy Rhoads	Increte of North FL	9315 Old Kings Road South	Jrhoads@incretejax.com	904 677-1556
Michael Smith	ZONF	" "	msmith@incretejax.com	730-3008
Tim Young	Tim Young Construction	10752 Deerwood Park Blvd. Suite 100	tyoung@timyoungconstruction.com	904-305-7095
Josh Hinson	Sherwin Williams Flooring	355 Park St Jax, FL 32204	Joshua.h.hinson@sherwin.com	904.591.3137
Scott Chandler	Thomas May Const	310 College Dr Orange Park FL	SChandler@tmay.net	904-272-4808
Jerry Cui CAI	E. Vaughan Rivers, Inc.	1882 Belleair Blvd. Orange Park	Terry@riversconstruction.com	904-264-0123
Charlie George	City			904 310-3421

CONTRACT DOCUMENTS FOR: FERNANDINA FIRE STATION NO.2

99000047.0086

600 AIRPORT ROAD
FERNANDINA BEACH FL 32034

July 7, 2021

CLIENT:



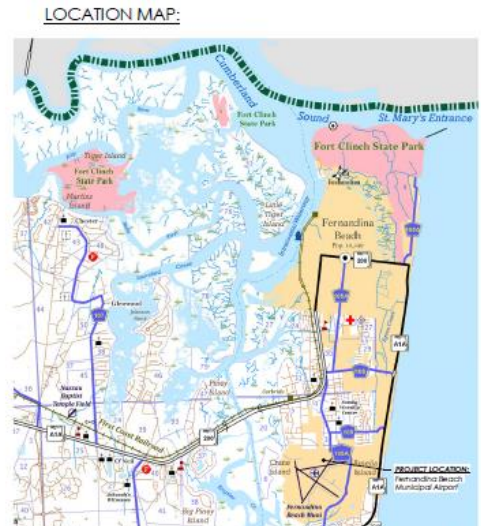
CITY OF FERNANDINA BEACH
204 Ash Street
Fernandina Beach, FL 32034

ARCHITECTURAL, CIVIL & STRUCTURAL:

PA PASSERO ASSOCIATES
engineering architecture
4730 Casa Cola Way, Suite 200 (904) 757-6106
St. Augustine, Florida 32095

MECHANICAL, ELECTRICAL, PLUMBING ENGINEER:

PROMUS
4245 Land Rd. (678) 244-5166
Ball Ground, GA 30107



DRAWING INDEX:

GENERAL		A-110	REFLECTED CEILING PLAN	S-302	FOUNDATION SECTIONS & PER DETAILS
G-000	COVER PAGE	A-111	ENLARGED REFLECTED CEILING PLAN	S-303	FRAMING SECTIONS
G-001	SYMBOLS & DETAILS	A-200	EXTERIOR ELEVATIONS	S-304	FRAMING SECTIONS
G-002	TYPICAL ACCESSIBILITY DETAILS	A-201	EXTERIOR ELEVATIONS	S-601	TYPICAL CONCRETE DETAILS
G-003	CODE SHEET	A-300	BUILDING SECTIONS	S-602	TYPICAL CONCRETE DETAILS
CIVIL		A-310	WALL SECTIONS	S-603	TYPICAL MASONRY DETAILS
C101	LAND DEVELOPMENT CRITERIA	A-311	WALL SECTIONS	S-604	TYPICAL PRECAST CONCRETE AND STEEL DETAILS
C102	SAFETY, SECURITY, AND GENERAL NOTES	A-312	WALL SECTIONS	S-605	TYPICAL EQUIPMENT REDDOWN DETAILS
C103	CONSTRUCTION SAFETY & TRAFFIC PLAN	A-313	WALL SECTIONS	MECHANICAL	
C201	EXISTING CONDITIONS & DEMOLITION PLAN	A-314	WALL SECTIONS	M001	MECHANICAL NOTES
C202	SITE PLAN	A-315	WALL SECTIONS	M301	MECHANICAL FLOOR PLAN
C301	UTILITY PLAN	A-316	WALL SECTIONS	M302	MECHANICAL ROOF PLAN
C302	UTILITY DETAILS	A-317	WALL SECTIONS	M401	MECHANICAL SECTIONS
C303	UTILITY DETAILS	A-401	ENLARGED PLANS AND DETAILS	M402	MECHANICAL 3D VIEW
C401	GRADING & DRAINAGE CONTROL PLAN	A-402	ENLARGED PLANS AND DETAILS	M403	MECHANICAL SCHEDULES
C402	DRAINAGE DETAILS	A-403	TOILET ROOMS - ENLARGED PLANS AND DETAILS	M404	MECHANICAL DETAILS
C501	GATE DETAILS	A-404	TOILET ROOMS - ENLARGED PLANS AND DETAILS	M701	MECHANICAL DETAILS
C502	GATE / BICYCLE & FLAG DETAILS	A-405	TOILET ROOMS - ENLARGED PLANS AND DETAILS	M702	MECHANICAL DETAILS
C504	PAVEMENT DETAILS	A-500	ROOF DETAILS	ELECTRICAL	
C506	PAVEMENT DETAILS	A-501	ROOF DETAILS	E001	ELECTRICAL NOTES
C506	SIGNAGE AND MARKING DETAILS	A-510	MILLWORK DETAILS - KITCHEN	E100	ELECTRICAL DESIGN SCHEMATIC
CIVIL		A-511	MILLWORK DETAILS - KITCHEN	E101	SITE POWER PLAN
L-001	TREE PROTECTION SITE PLAN	A-512	MILLWORK DETAILS - KITCHEN	E201	LIGHTING PLAN
L-002	LANDSCAPE SITE PLAN	A-513	MILLWORK DETAILS	E202	TRAINING TOWER ELECTRICAL PLANS
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L-004	LANDSCAPE DETAILS	A-602	DOOR SCHEDULE	E401	MECHANICAL POWER PLAN
CIVIL		A-603	DOOR DETAILS	E501	ELECTRICAL BEER DIAGRAM
C401	STORMWATER POLLUTION PREVENTION PLAN	A-604	WINDOW AND SIGNAGE DETAILS	E601	ELECTRICAL PANEL SCHEDULES
C402	STORMWATER POLLUTION PREVENTION PLAN	A-605	FURNITURE AND EQUIPMENT PLAN AND SCHEDULE	PLUMBING	
C403	STORMWATER POLLUTION PREVENTION PLAN	ARCHITECTURAL - TOWER		P001	PLUMBING NOTES
C404	STORMWATER POLLUTION PREVENTION PLAN	A-700	TRAINING TOWER FLOOR PLAN	P002	SANITARY PLAN
ARCHITECTURAL		A-701	TRAINING TOWER ELEVATIONS	P003	ROOF PLUMBING PLAN
A-100	FIRST FLOOR PLAN - DIMENSION	A-702	TRAINING TOWER SECTION	P004	DOMESTIC WATER PLAN
A-101	FIRST FLOOR PLAN - CALIGRATS	STRUCTURAL		P005	SANITARY ISOMETRICS
A-102	MEZZANINE FLOOR PLAN AND DETAILS	S-001	STRUCTURAL GENERAL NOTES	P006	WATER ISOMETRICS
A-103	ROOF PLAN	S-002	DESIGN CRITERIA AND SCHEDULES	P007	GAS AND STORM ISOMETRICS
		S-003	COLUING SCHEDULE AND BASEPLATE DETAILS	P008	PLUMBING DETAILS
		S-004	SPECIAL INSPECTIONS	SEE PROTECTION	
		S-101	FOUNDATION PLAN	P001	FIRE SPURLER SITE PLAN
		S-102	TRAINING TOWER PLANS AND DETAILS	P002	FIRE SPURLER FLOOR PLAN
		S-103	WEIR AND ROOF FRAMING PLAN		
		S-301	FOUNDATION SECTIONS		

ADDENDUM NO. 1 (7/23/2021)

BID SET (07/07/2021)

**NON-MANDATORY
PRE-BID MEETING
JULY 16, 2021
11:00 A.M.**

AGENDA

- INTRODUCTIONS & PROJECT LOCATION
- PROJECT COMPONENTS & DESCRIPTIONS
- CONTRACT TIME
- PROJECT SCHEDULE
- MISCELLANEOUS CONTRACT REQUIREMENTS
- QUESTIONS, CLARIFICATIONS & INTERPRETATIONS
- QUESTIONS & COMMENTS AT THIS TIME
- SITE VISIT



INTRODUCTIONS

OWNER:

CITY OF FERNANDINA BEACH

CHARLES GEORGE, P.E., CITY ENGINEER
WANDA WEAKS, PURCHASING AGENT
NATHAN COYLE, AIRPORT MANAGER

FUNDING ASSISTANCE:

FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT)

GRANT AGREEMENT FOR AVIATION COMPONENT ONLY

ENGINEERING CONSULTANT:

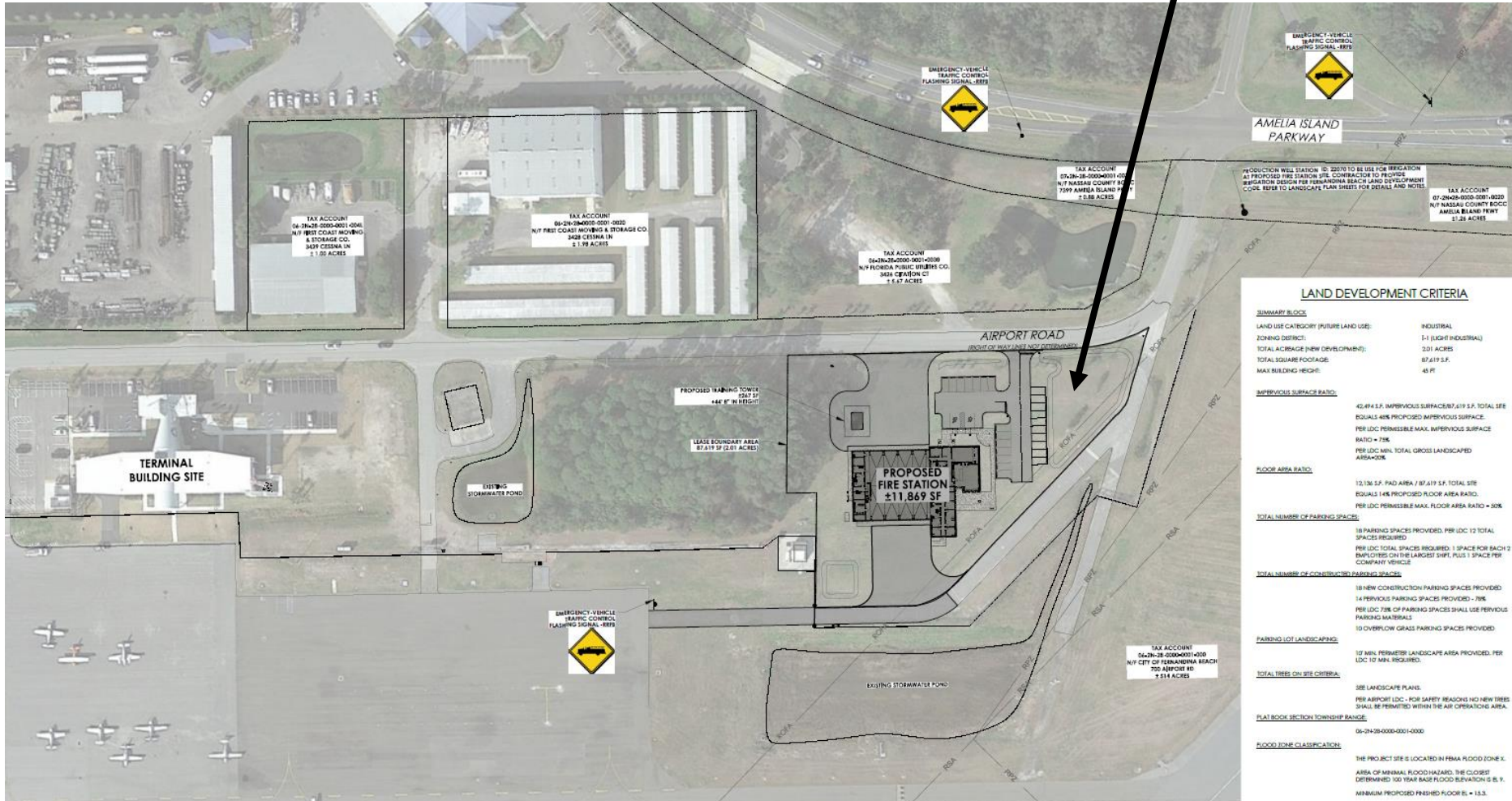
PASSERO ASSOCIATES

CHRISTOPHER NARDONE, AIA, PROJECT ARCHITECT



PROJECT LOCATION

PROJECT SITE LOCATION



PROJECT LOCATION: FERNANDINA BEACH MUNICIPAL AIRPORT

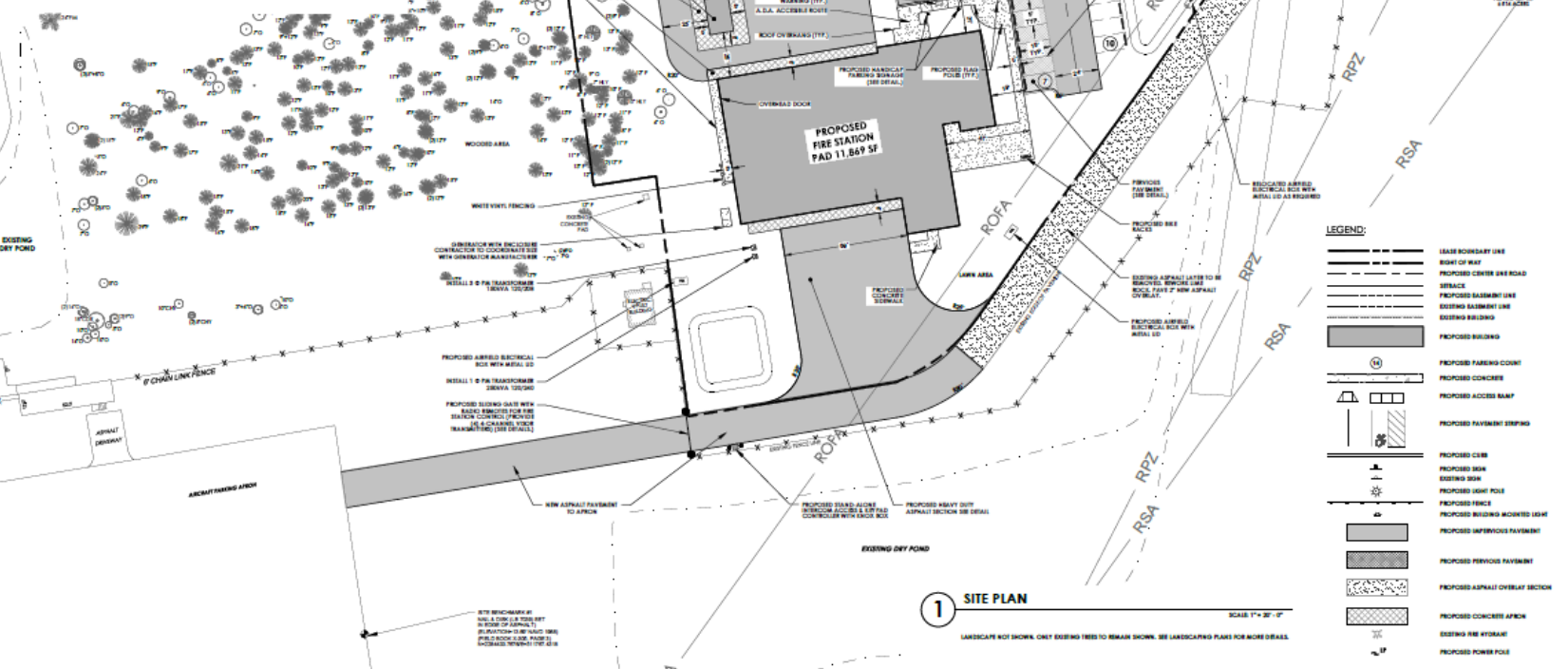
PROJECT COMPONENTS – BASE BID

CONSTRUCTION NOTES:

1. PRE-CONSTRUCTION MEETING - A PRE-CONSTRUCTION SHALL BE HELD PRIOR TO THE START OF WORK. THE MEETING SHALL INCLUDE REQUIRED MEMBERS FROM THE CITY AND LOCAL AGENCIES, CITY ENGINEER, DESIGN ENGINEER AND OWNER.
2. STAKEOUT - THE CONSTRUCTION STAKEOUT SHALL BE PERFORMED BY A LICENSED LAND SURVEYOR USING CONTROL PROVIDED ON THE "STAKEOUT". THE STAKEOUT WORK SHALL BE PROVIDED BY OWNER. COORDINATE WITH BUILDINGS, CONCRETE PILES, AND/OR TO BE DEMOLISHED TO THE DESIGN ENGINEER PRIOR TO THE INSTALLATION OF APPROVED MARKERS FOR COORDINATION AND CLARIFICATION.
3. LAYOUT - DIMENSIONS SHOWN, WHERE APPLICABLE, SHALL BE FROM THE FACE OF CURB UNLESS SPECIFICALLY CALLED OUT OTHERWISE.
4. DEMOLITION - CLEARING AND REMOVAL SHALL BE LIMITED TO THE USE BOUNDARIES OR WITHIN THE "WORK LINE" LIMIT AS SHOWN ON THE PLAN. REMOVAL AND OBJECTS DEMOLISHED FOR REMOVAL SHALL BE COORDINATED AND FIELD VERIFIED WITH THE PROJECT OWNER REPRESENTATIVE. ALL MATERIALS SHALL BE LEGALLY DEPOSITED OR RECYCLED IN ACCORDANCE AS DIRECTED BY CONTRACT DOCUMENTS. ALL ITEMS NOT SPECIFICALLY CALLED OUT TO BE REMOVED SHALL REMAIN.
5. COORDINATION - THE CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITY WORK WITH OTHER SUBS (ELECTRIC, GAS, ELECTRIC, LIGHTING, COMMUNICATIONS) TO AVOID POTENTIAL INSTALLATION CONFLICTS.
6. STAKEOUT - AS SHOWN BY THE CONTRACT DOCUMENTS THE CONTRACTOR SHALL CONDUCT A SECURE STAKEOUT AREA FOR CONSTRUCTION OF STAKEOUT. MATERIALS, IMP. CURB, FENCING AND CONCRETE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE COORDINATED WITH THE OWNER'S OTHER REPRESENTATIVE.
7. CLOSE-OUT - THE CONTRACTOR'S WORK SCOPE INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING AT PROJECT CLOSE-OUT TO THE SATISFACTION OF OWNER OR HIS REPRESENTATIVE:
 - CLEANING AND WALKWAY SURFACES
 - REPAIRS TO ALL DISTURBED GRASS AND LANDSCAPE AREAS
 - PROTECTIVE BENCHES, GUARDRAILS, CONCRETE, ETC. AS REQUIRED BY CONTRACT DOCUMENTS
 - PROVIDING A SIGNED DRAWING
 - COMPLETION OF FINAL PUNCH LIST

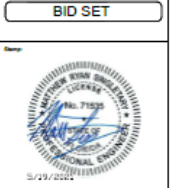
SURVEY NOTES (SEE MANZIE & DRAKE SURVEY)

1. THIS IS NOT A BOUNDARY SURVEY.
2. UNDERGROUND IMPROVEMENTS WERE NOT LOCATED OR SHOWN.
3. LANDS SHOWN HEREON WERE NOT ABSTRACTED BY THE OFFICE FOR BARRIERS, RIGHTS-OF-WAY, OWNERSHIP OR OTHER INSTRUMENTS OF RECORD.
4. PROJECT IS COORDINATE WITH NEIGHBOR AREAS BASED ON THE STATE PLANE COORDINATE SYSTEM, EAST ZONE, STATE OF FLORIDA, NORTH AMERICAN DATUM OF 1983 (NAD 83).
5. TABLES BEARING THE SIGNATURE AND ORIGINAL NAD 83 SEAL OF A LICENSED SURVEYOR AND MAPPER, THE MAPPER'S TITLE FOR INFORMATIONAL PURPOSES ONLY AND IS NOT VALID.
6. USE BENCHMARK AS SHOWN HEREON.
7. SURVEYORS SHOWN HEREON REFER TO NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D. '88).
8. THE REFERENCE BENCHMARK IS PUBLISHED BENCHMARK "SEMPROR AT MET" (ELEVATION 133.07 NAVD 83).
9. THIS SURVEY IS PROVIDED BY COPYRIGHT AND IS LIMITED ONLY TO THE BOUNDS LISTED AND ONLY FOR THE PARTICULAR TRANSACTION AND USE OF INFORMATION OF THE SURVEY HEREON. THE EXPRESS WRITTEN PERMISSION OF THE SURVEYOR IS REQUIRED. USE OF THIS SURVEY IN ANY SUBSEQUENT TRANSACTIONS IS EXPRESSLY FORBIDDEN AND IS NOT AUTHORIZED. THE SURVEYOR'S AGREES TO DISCLAIM ANY OBLIGATION TO ANY PARTY IN FUTURE TRANSACTIONS. NO WRITING OTHER THAN THIS SHOULD BE RELIED UPON BY THE SURVEY.



1 SITE PLAN

LANDSCAPE NOT SHOWN, ONLY EXISTING TREES TO REMAIN SHOWN. SEE LANDSCAPE PLANS FOR MORE DETAIL.



Client: CITY OF FERNANDINA BEACH
 204 Ash Street
 Fernandina Beach, FL 32034

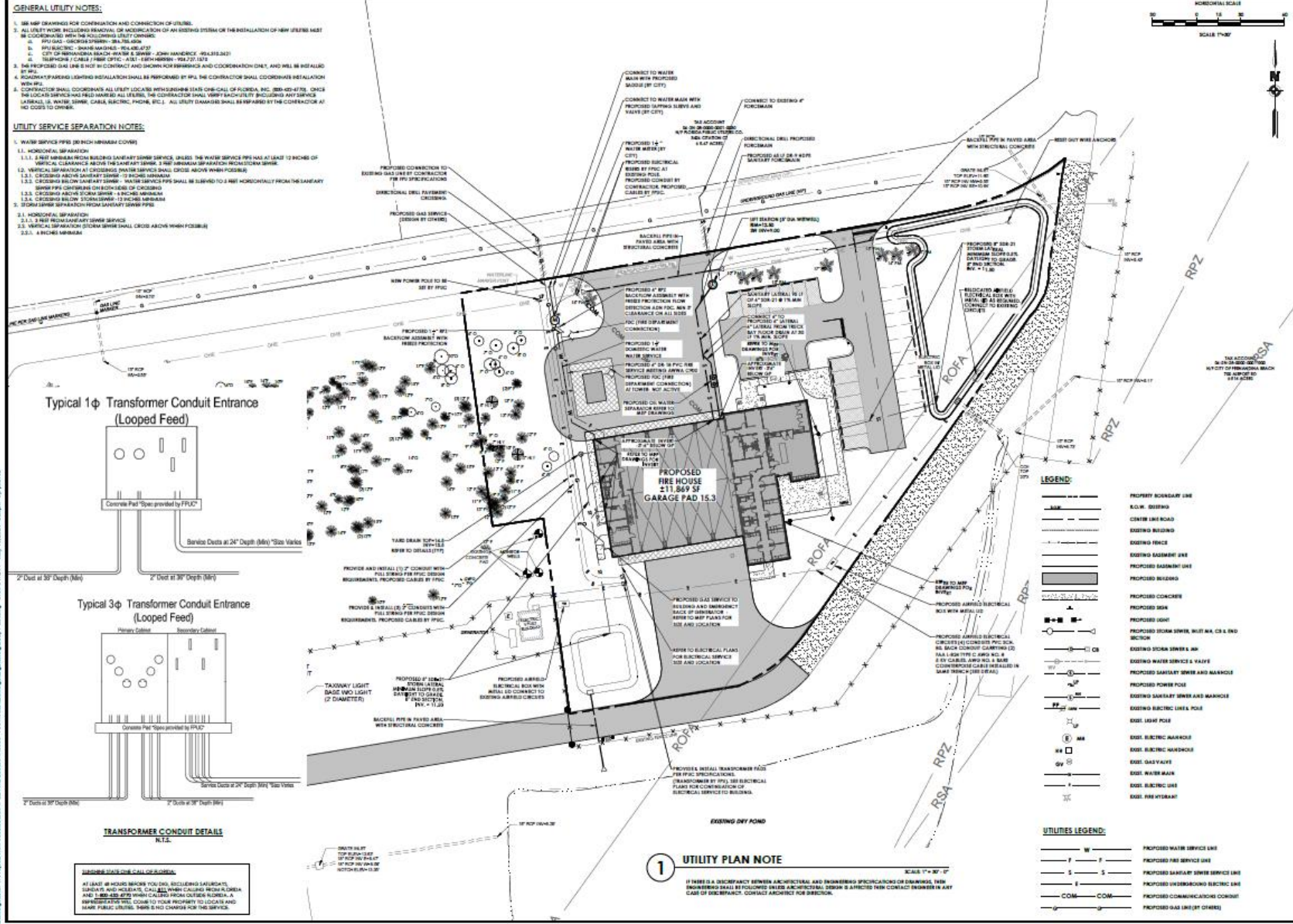
Passero Associates
 2700 Cass Ave., Suite 200
 Jacksonville, Florida 32217
 Phone: 904.767.6528
 Fax: 904.767.6529
 Email: paul@passero.com
 Website: www.passero.com

No.	Date	By	Description

SITE PLAN
 600 AIRPORT ROAD
 FERNANDINA FIRE STATION NO.2
 Town/City: Fernandina Beach
 County: Nassau State: Florida
 Project No: 99000047.0086
 Drawing No: C-202
 Date: July 7 2021

• BASE BID: SITE PLAN

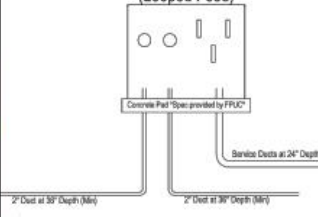
PROJECT COMPONENTS – BASE BID



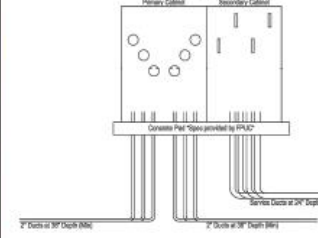
- GENERAL UTILITY NOTES:**
- SEE MEP DRAWINGS FOR COORDINATION AND CONNECTION OF UTILITIES.
 - ALL UTILITY WORK INCLUDING REPAIRS, OR MODIFICATION OF AN EXISTING SYSTEM OR THE INSTALLATION OF NEW UTILITIES MUST BE COORDINATED WITH THE APPLICABLE UTILITY OWNERS:
 - 1. FPL (FLORIDA POWER & LIGHT)
 - 2. FPL (FLORIDA POWER & LIGHT)
 - 3. CITY OF FERNANDINA BEACH (CITY ENGINEER - JOHN HANDECKER - 904.753.2637)
 - 4. TELEPHONE / CABLE / FIBER OPTIC - AT&T - FERNANDINA - 904.271.1673
 - THE PROPOSED GAS LINE SHALL BE INSTALLED IN ACCORDANCE WITH THE GAS SERVICE AND COORDINATION ONLY, AND SHALL BE INSTALLED BY THE GAS COMPANY.
 - POSSIBLE PARKING LIGHTING INSTALLATION SHALL BE PERFORMED BY THE CONTRACTOR SHALL COORDINATE INSTALLATION WITH FPL.
 - CONTRACTOR SHALL COORDINATE ALL UTILITY LOCATIONS WITH THE CHIEF OF POLICE, CITY OF FLORIDA, INC. 904-402-4775, ONCE THE LOCATIONS ARE DETERMINED ALL UTILITIES, THE CONTRACTOR SHALL VERIFY EACH UTILITY BY LOCATING UTILITY SERVICES (E.G. WATER, SEWER, GAS, ELECTRIC, PHONE, ETC.). ALL UTILITY DAMAGE SHALL BE REPAIRED BY THE CONTRACTOR AT HIS COSTS TO OWNER.

- UTILITY SERVICE SEPARATION NOTES:**
- WATER SERVICE PIPES (8 INCH MINIMUM COVER)
 - 1.1. HORIZONTAL SEPARATION
 - 1.1.1. 3 FEET MINIMUM FROM BUILDING SANITARY SERVICE SERVICES. THE WATER SERVICE PIPES SHALL HAVE AT LEAST 12 INCHES OF VERTICAL CLEARANCE ABOVE THE SANITARY SERVICE. 3 FEET MINIMUM SEPARATION FROM EXISTING SERVICE.
 - 1.2. VERTICAL SEPARATION AT CROSSING: WATER SERVICE SHALL CROSS ABOVE WHEN POSSIBLE.
 - 1.2.1. CROSSING ABOVE SANITARY SERVICE: 12 INCH MINIMUM
 - 1.2.2. CROSSING BELOW SANITARY SERVICE: WATER SERVICE PIPES SHALL BE SLOPED TO A 1 FOOT HORIZONTAL FROM THE SANITARY SERVICE PIPES CONTAINING ONE INCH LEVEL OF CLEARANCE
 - 1.2.3. CROSSING ABOVE STORM SERVICE: 4 INCHES MINIMUM
 - 1.2.4. CROSSING BELOW STORM SERVICE: 12 INCHES MINIMUM
 - STORM SERVICE SEPARATION FROM SANITARY SERVICE PIPES
 - 2.1. HORIZONTAL SEPARATION
 - 2.1.1. 3 FEET MINIMUM FROM SANITARY SERVICE SERVICES
 - 2.1.2. VERTICAL SEPARATION (STORM SERVICE SHALL CROSS ABOVE WHEN POSSIBLE)
 - 2.1.3. A 12 INCH MINIMUM

Typical 1φ Transformer Conduit Entrance (Looped Feed)



Typical 3φ Transformer Conduit Entrance (Looped Feed)



TRANSFORMER CONDUIT DETAILS N.T.S.

WARNING: SERVICE CALLS TO OWNER:
 AT LEAST 48 HOURS BEFORE YOU DO, INCLUDING SAFETY: SUGGESTION AND HOLD BACK, CALL US WHEN CARRYING OUT WORK, AND 1 WEEK BEFORE YOUR CONTRACTOR FROM CARRYING OUT WORK. APPROPRIATELY, PLEASE COME TO YOUR PROPERTY TO LOCATE AND MARK PUBLIC UTILITIES. THERE IS NO CHARGE FOR THIS SERVICE.

1 UTILITY PLAN NOTE

IF THERE IS A DISCREPANCY BETWEEN ARCHITECTURAL AND ENGINEERING SPECIFICATIONS OR DRAWINGS, THE ENGINEER SHALL BE FOLLOWED UNLESS ARCHITECTURAL DESIGN IS SPECIFIC THEN CONTACT ENGINEER IN ANY CASE OF DISCREPANCY, CONTACT ARCHITECT FOR CLARIFICATION.



BID SET



204 Ash Street
 Fernandina Beach, FL 32034

Passero Associates

No.	Date	By	Description

UTILITY PLAN

600 AIRPORT ROAD

FERNANDINA FIRE STATION NO.2

Town/City: Fernandina Beach
 County: Nassau State: Florida

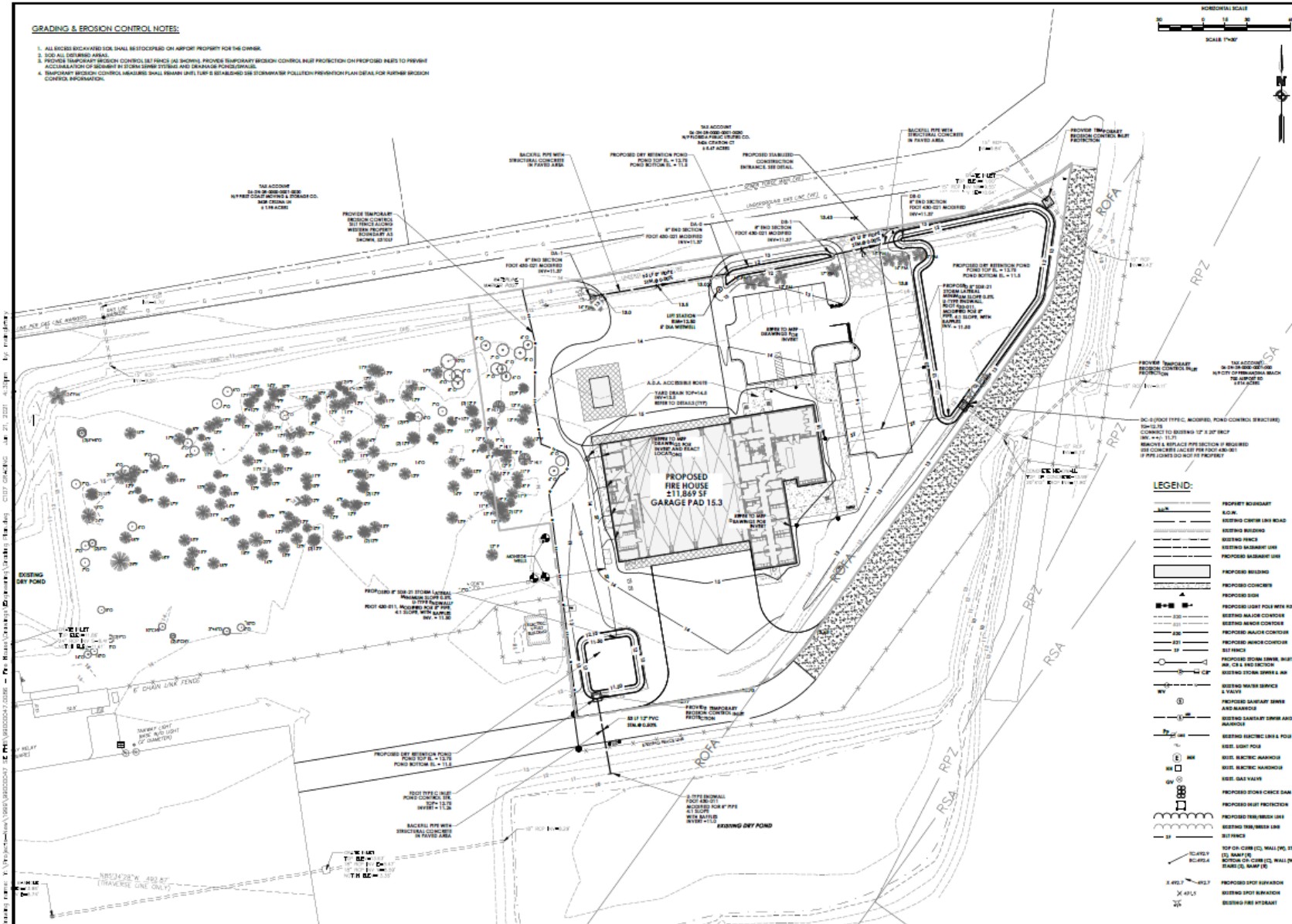
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Sheet No.: **C-301**
 Date: July 7 2021

PROJECT COMPONENTS – BASE BID

GRADING & EROSION CONTROL NOTES:

1. ALL AREAS EXCAVATED OR TO BE EXCAVATED ON AIRPORT PROPERTY FOR THE CONDO.
2. SOO ALL DISTURBED AREAS.
3. PROVIDE TEMPORARY EROSION CONTROL BEST PRACTICES AS SHOWN. PROVIDE TEMPORARY EROSION CONTROL MEASURES ON PROPOSED AREAS TO PREVENT ACCUMULATION OF SEDIMENT BY STORM DRAIN STORAGE AND DRAINAGE PONDS/VAULTS.
4. TEMPORARY EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL PERMANENT EROSION CONTROL POLLEUTION PREVENTION PLAN DETAILS FOR FURTHER EROSION CONTROL INFORMATION.



LEGEND:

- PROPERTY BOUNDARY
- E.O.M.
- EXISTING CENTER LINE ROAD
- EXISTING SIDEWALK
- EXISTING DRIVE
- EXISTING EASEMENT
- EXISTING DRIVEWAY
- PROPOSED BOUNDARY LINE
- PROPOSED EROSION CONTROL
- PROPOSED CONCRETE
- PROPOSED SIGN
- PROPOSED LIGHT POLE WITH SIGN
- EXISTING SIGN
- EXISTING SIGN CONTOUR
- PROPOSED SIGN CONTOUR
- EXISTING SIGN CONTOUR
- SILT FENCE
- PROPOSED STORM DRAIN, SUMP
- EXIST. OR. & HD. SECTION
- EXISTING STORM DRAIN & MAN
- EXISTING WATER SERVICE & VALVE
- PROPOSED SANITARY DRAIN AND MANHOLE
- EXISTING SANITARY DRAIN AND MANHOLE
- EXISTING ELECTRIC LINE & POLE
- EXISTING ELECTRIC LINE & POLE
- EXIST. ELECTRIC MARKING
- EXIST. ELECTRIC MARKING
- EXIST. GAS VALVE
- PROPOSED STORM DRAIN CHANCE DRAIN
- PROPOSED SUMP PROTECTION
- PROPOSED TRAP/SCREEN LINE
- EXISTING TRAP/SCREEN LINE
- SILT FENCE
- TOP OR CURB (CL) WALL (NG) STAIRS (D) MARK (E) MARK (E) MARK (E) MARK (E) MARK (E) MARK (E)
- EXISTING SPOT SIGN
- EXISTING SPOT SIGN
- EXISTING FIRE HYDRANT



BID SET

Client:
CITY OF FERNANDINA BEACH

204 Ash Street
Fernandina Beach, FL 32034

Passero Associates
270 Oak Dale Way, Suite 300
Fernandina Beach, FL 32034
(904) 707-6300
www.passeroassociates.com

No.	Date	By	Description

GRADING & EROSION CONTROL PLAN

600 AIRPORT ROAD

FERNANDINA FIRE STATION NO.2

Town/City: Fernandina Beach
County: Nassau
State: Florida

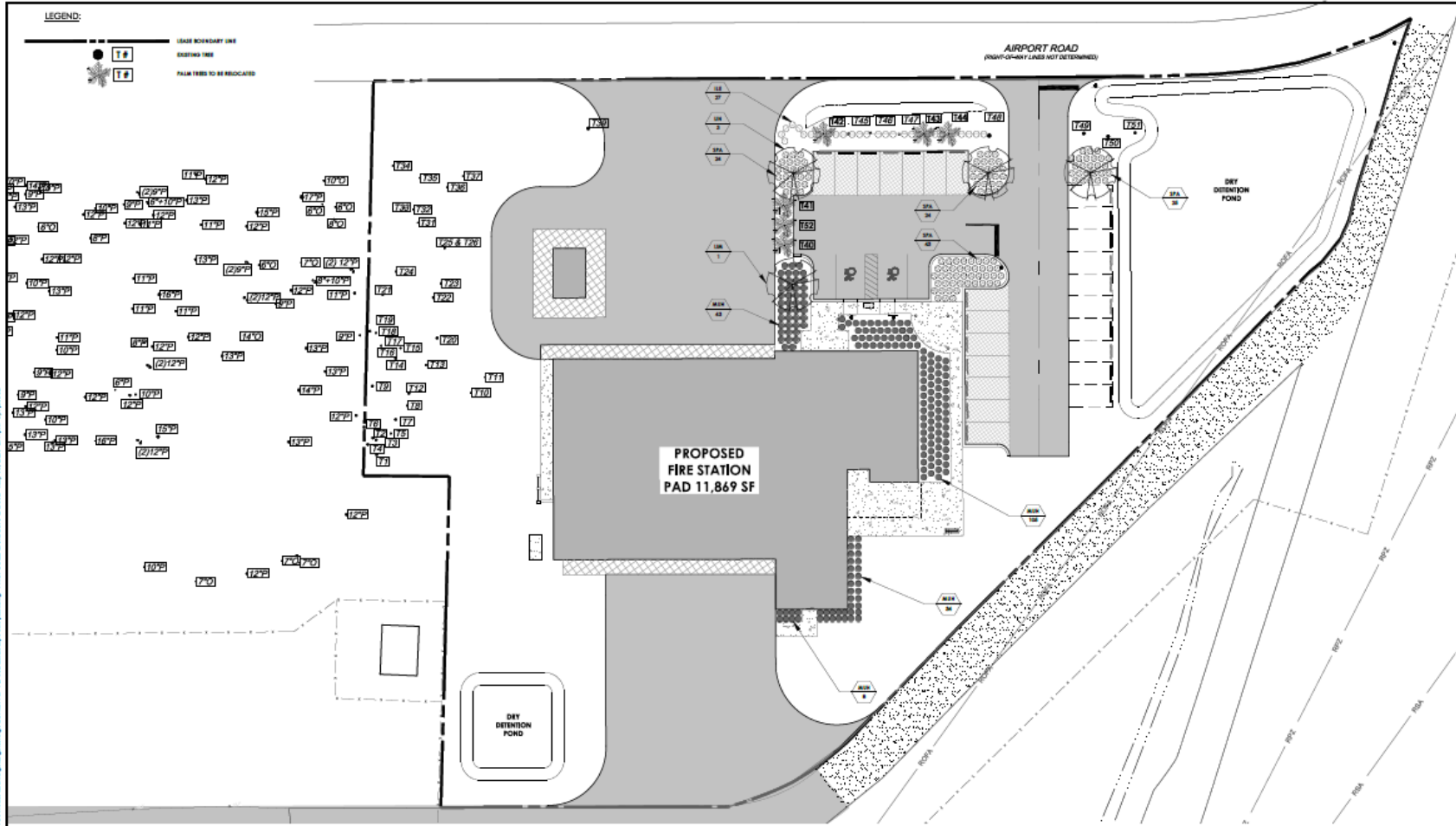
99000047.0086

Sheet No.: **C-401**

Date: July 7, 2021

• BASE BID: GRADING AND EROSION CONTROL PLAN

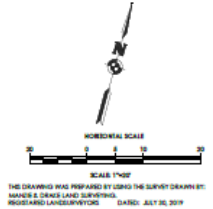
PROJECT COMPONENTS – BASE BID



1 LANDSCAPE SITE PLAN
SCALE: 1" = 30' 0"

IF THERE IS A DISCREPANCY BETWEEN ARCHITECTURAL AND ENGINEERING SPECIFICATIONS OR DRAWINGS, THEN ENGINEERING SHALL BE FOLLOWING UNLESS ARCHITECTURAL DESIGN IS ANCHORED. THEN CONTACT ENGINEER IN ANY CASE OF DISCREPANCY, CONTACT ARCHITECT FOR DIRECTION.

SUNSHINE STATE ONE CALL OF FLORIDA:
AT LEAST 48 HOURS BEFORE YOU DIG, EXCLUDING SATURDAYS, SUNDAYS AND HOLIDAYS, CALL 811 WHEN CALLING FROM FLORIDA AND 1-800-432-4772 WHEN CALLING FROM OUTSIDE FLORIDA. A REPRESENTATIVE WILL COME TO YOUR PROPERTY TO LOCATE AND MARK PUBLIC UTILITIES. THERE IS NO CHARGE FOR THIS SERVICE.



THIS DRAWING WAS PREPARED BY USING THE SURVEY DATA BY: DANIEL S. DANIEL LAND SURVEYING, INC. (DLSI) LAND SURVEYORS (DATE: JULY 30, 2019)

PLANT LIST

SYM	QTY	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS	MARK
LN	2	LADROBRONIA INDICA "WATCHER"	CEMPE ATREVE YAA "WATCHER"	14" x 14" - # 01, WOOD PINE TR. 20L, FEU. 40, 20GALLONS # 0.5 A.K.	NO
LN	1	LADROBRONIA INDICA "WISCONSIN"	CEMPE ATREVE YAA "WISCONSIN"	14" x 14" - # 01, WOOD PINE TR. 20L, FEU. 40, 20GALLONS # 0.5 A.K.	NO
UP	1	SABAL PALMETTO	COBARRA PALM	10, 12, 14' CL, AMERICAN CIVIL ENGINEER 10L	YES
SE	27	SEEVONICORNIA TUCKERSONI	TULIPOR BUSH	2-GAL, 14" GA. PAIL, 18" O.C. AS SHOWN	YES
SPA	114	SPARGANIA ALBA	SAAS COBRARRAS	1-GAL, 14" GA. PAIL, 18" O.C. AS SHOWN	YES
MOX	190	MORONICORNIA CAPTIVATA	MOXOT GRASS	1-GAL, 14" GA. PAIL, 18" O.C. AS SHOWN	YES
SOB	4-1/2 BUSHES @	STYMONON DACTYLION	BERNARDIA GRASS	SOB 300 COVERING WITH #12 GRASS, 20GAL. 20GAL. FEU. 40, 20GALLONS # 0.5 A.K.	YES

↑ FINISH QUANTITY DETERMINED BY ACTUAL TRANSPORTATION OPERATIONS. SEE "BACKPLANT" ABOVE AND "NOT" SHEET 1.001.



BID SET



Client: **CITY OF FERNANDINA BEACH**
Fernandina Beach, FL 32034

Passero Associates
204 Ash Street
Fernandina Beach, FL 32034
Phone: 904.255.1111
Fax: 904.255.1112
www.passeroassociates.com

No.	Date	By	Description

LANDSCAPE SITE PLAN

600 AIRPORT ROAD

FERNANDINA FIRE STATION NO. 2

Town/City: Fernandina Beach
County: Nassau
State: Florida

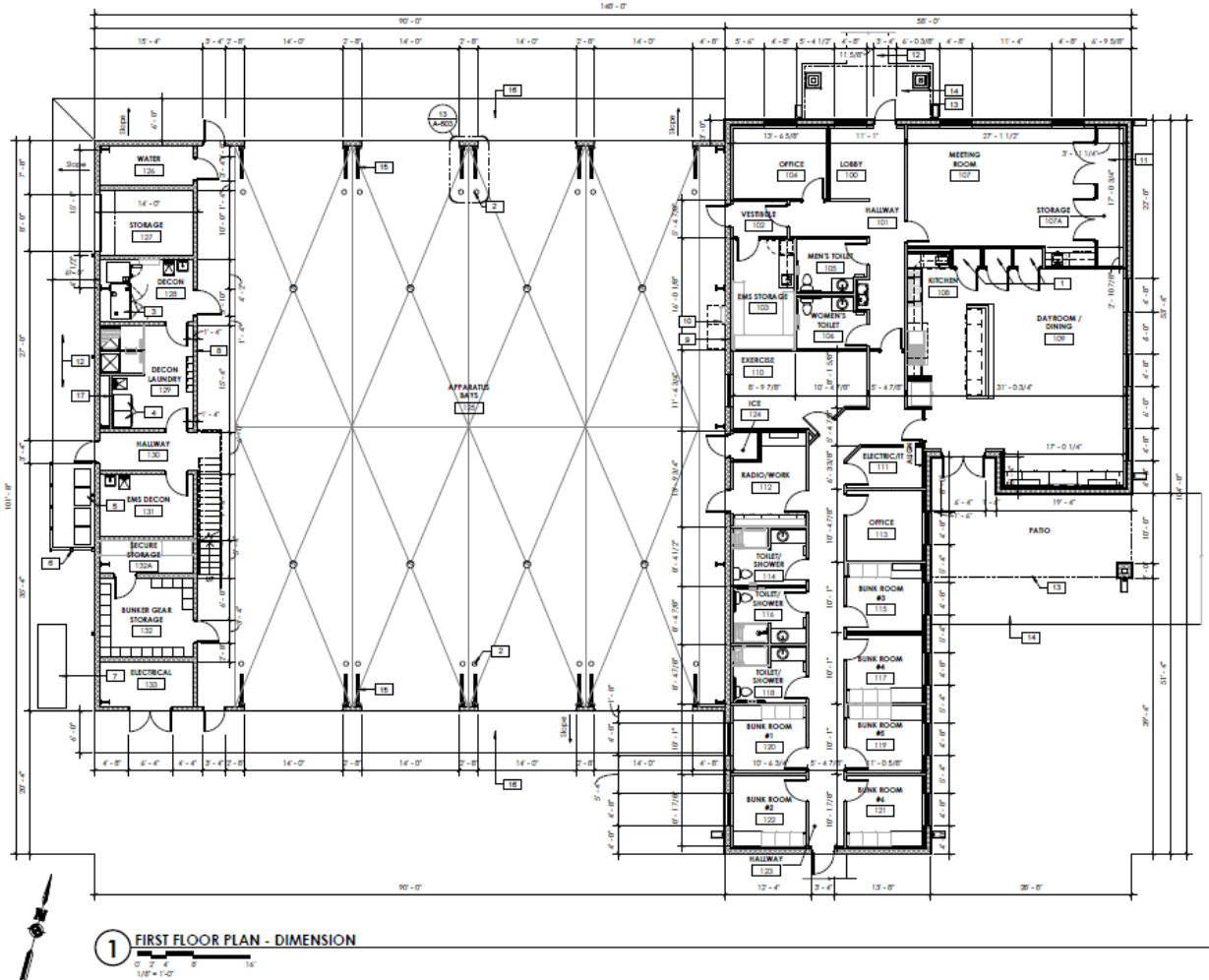
99000047.0086

Sheet No.: **L-002**

Date: **July 7 2021**

• BASE BID: LANDSCAPE SITE PLAN

PROJECT COMPONENTS – BASE BID



FLOOR PLAN GENERAL NOTES:

1. Refer to sheet A-101 for Wall Notes.
2. The contractor shall review all dimensions and notify the Architect of any discrepancies prior to construction.
3. Provide area, base in type, laying and location as specified by the City of Fernandina Beach.
4. Refer to A-102 for Equipment, Future plan and schedule.
5. Refer to sheet G-003 for the barrier locations.

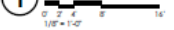
FLOOR PLAN DIMENSION NOTES:

- Typical dimensioning practices are as follows, unless noted otherwise:
1. Exterior wall dimensions are to face of masonry.
 2. Column lines are to center of steel frame or face of steel of perimeter.
 3. Interior stud wall dimensions are to centerline of stud.
 4. Masonry dimensions are to finished face.

KEYNOTES - FLOOR PLAN

1. Pantry, typical of 3
2. Rollator, typical (of 16) of apparatus bay doors, coordinate final location in field (see detail A/A-000)
3. Clear washer/dryer
4. Residential Washer/Dryer
5. Trash/recycling totes, by others
6. Trash screens, see CUI
7. Generator, location per CUI and Electrical
8. Apparatus support spaces with machine above
9. Fire separation wall, see wall section 2/A-313
10. Roof access ladder and platform
11. Cover storage per detail 3/A-313
12. Concrete sidewalk, see CUI
13. Canopy above
14. Concrete paths, see CUI
15. Apparatus Bay Doors, Typ.:
 - Same Bid - Standard Overhead Door
 - Alternate - A-Hold apparatus bay door
16. Refer to Specification Section 01-33.00 - Alternates
17. Concrete Apron, See CUI
- 17 Provide Plumbing Access Panel

1 FIRST FLOOR PLAN - DIMENSION



Client:
CITY OF FERNANDINA BEACH

 204 Ash Street
 Fernandina Beach, FL 32034

Passero Associates
 4710 Glen Dale Way, Suite 200 (904) 777-6200
 Ft. Lauderdale, FL
 Project Manager: Justin VanLandingham, AIA
 Project Architect: Jeff Passero, AIA

NO.	DATE	BY	DESCRIPTION

FIRST FLOOR PLAN - DIMENSION

600 AIRPORT ROAD
 FERNANDINA FIRE STATION
 NO.2
 Town/City: Fernandina Beach
 County: Nassau
 State: Florida

99000047.0086

Sheet No.: **A-100**

Date: **July 7, 2021**

BID SET

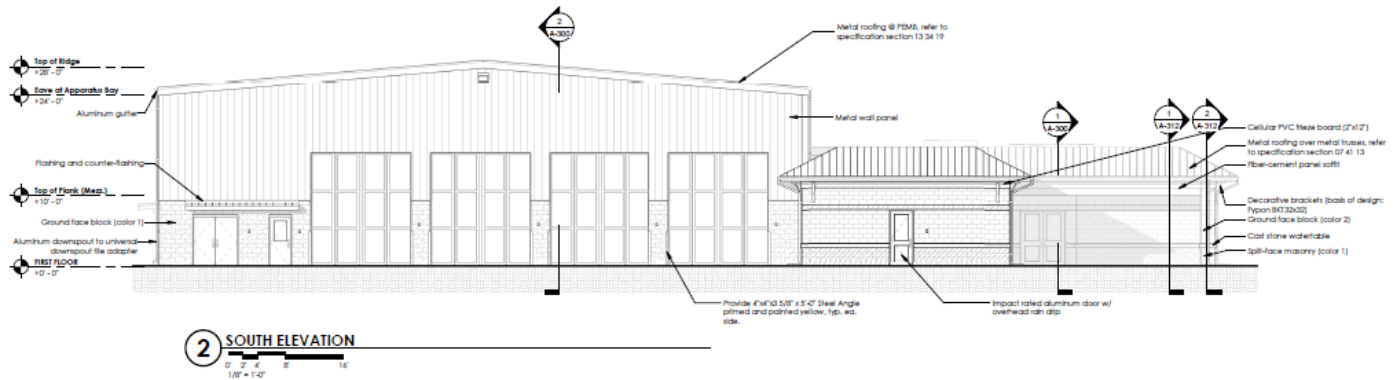
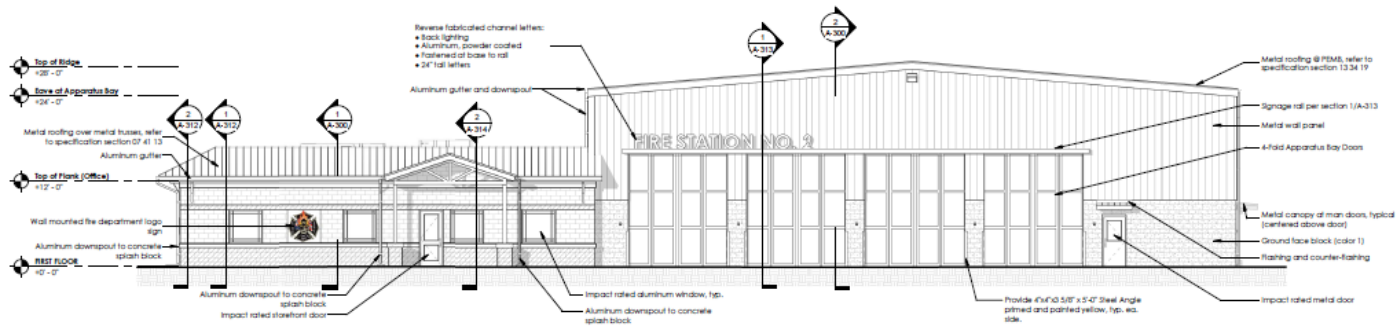
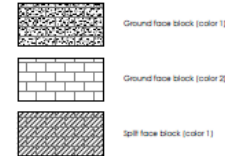
• BASE BID: FIRST FLOOR PLAN - DIMENSION

PROJECT COMPONENTS – BASE BID

EXTERIOR ELEVATION GENERAL NOTES:

- Elevation notes are typical, unless otherwise noted.
- All exposed cast-in-place concrete shall be finished with a textured, sand-blasted, and acid-washed finish.
- Provide flashings of all roof/wall intersections (min. 6" each way) with knockout flashings of the low end of each run to divert water away from wall, when wall continues below eave.
- All flashings shall extend single style behind the drainage plane of the wall system and end angle to daylight.
- All exterior mechanical terminations to be painted or pre-finished, color as selected by Architect.

LEGEND:



Client:
**CITY OF FERNANDINA
BEACH**



204 Ash Street
Fernandina Beach, FL 32034

Passero Associates

2705 Cape Sea Way, Suite 302 Fernandina Beach, FL 32034
Phone: 904.707.4344
Fax: 904.707.4344
E-mail: info@passero.com

NO.	DATE	BY	DESCRIPTION

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EXTERIOR ELEVATIONS

600 AIRPORT ROAD

FERNANDINA FIRE STATION
NO. 2
Town/City: Fernandina Beach
County: Nassau State: Florida

Project No.: 99000047.0086

Drawing No.: A-200

Date: July 7, 2021

BID SET

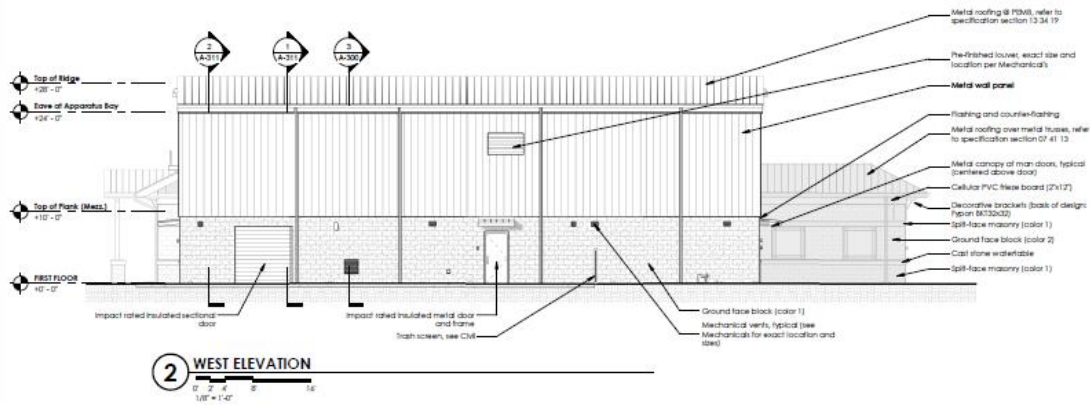
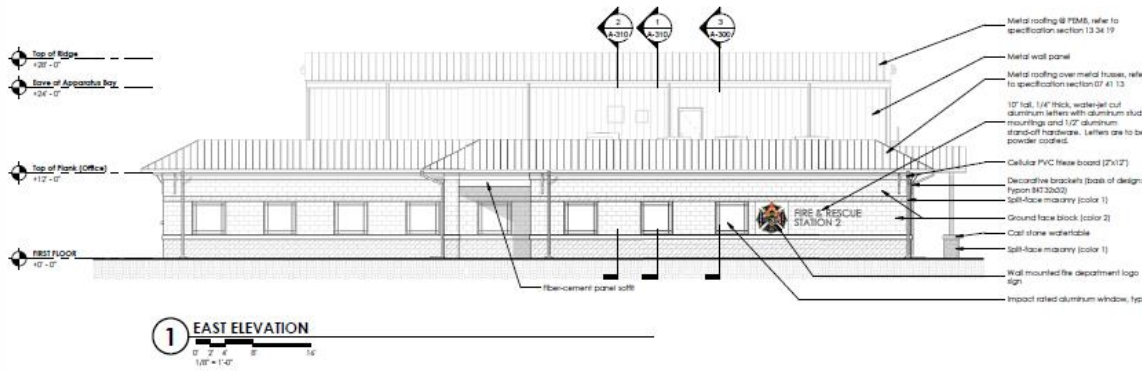
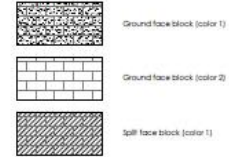
• BASE BID: EXTERIOR ELEVATIONS

PROJECT COMPONENTS – BASE BID

EXTERIOR ELEVATION GENERAL NOTES:

1. Elevation notes are typical, unless otherwise noted.
2. All exposed ceilings, flashings, drip edges, etc. to be pre-finished.
3. Provide flashings at all roof/wall intersections from 4" each wood with knock flashing of the low end of each run to divert water away from wall, when wall continues below grade.
4. All flashings shall extend 3/16" into beyond the drainage plane of the wall system and shall angle to straight.
5. All exterior mechanical terminations to be painted or pre-finished, color as selected by Architect.

LEGEND:



Client:
CITY OF FERNANDINA BEACH

204 Ash Street
Fernandina Beach, FL 32034

Passero Associates

2700 Cape Dale Way, Suite 201 Fernandina Beach, FL 32034
 Phone: 904.255.1111 Fax: 904.255.1112
 Email: info@passero.com Website: www.passero.com

NO.	DATE	BY	DESCRIPTION

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EXTERIOR ELEVATIONS

600 AIRPORT ROAD

FERNANDINA FIRE STATION NO. 2
 Town/City: Fernandina Beach
 County: Nassau State: Florida

Project No.: 99000047.0086

Drawing No.: A-201

Date: July 7, 2021

BID SET

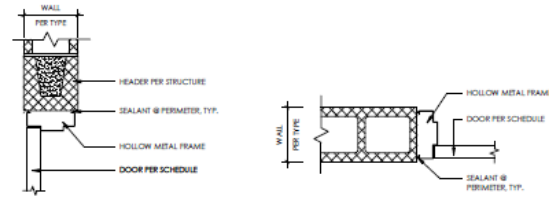
• BASE BID: EXTERIOR ELEVATIONS

PROJECT COMPONENTS – BASE BID

DOOR #	DOOR										FRAME				REMARKS
	DOOR MAT.	DOOR FIN.	R/O GLASS	THICKNESS	FINISH	ROBOT	MATERIALS	GLASS	GLASS	GLASS	FRAME TYPE	FRAME TYPE	FRAME TYPE	FRAME TYPE	
200	HM	PAINT	1	1/2"	2-2"	7-0"	-	-	-	-	HM	PAINT	SLA-700	SLA-700	SEE NOTE 3

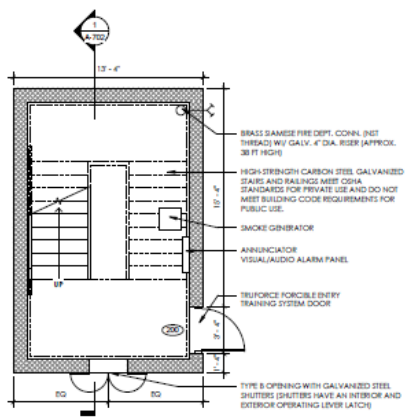
DOOR GENERAL NOTES

- DOORS SHALL BE 18 GA. GALVANIZED STEEL (TOTAL THICKNESS), PER ASTM A-754, AND SHALL BE AN INSULATED HOLLOW METAL SWING DOOR WITH (3) STAINLESS STEEL BALL-BEARING HINGES AND FULL WEATHER STRIPPING. FRAMED OPENING JAMBS SHALL BE 18 GA. GALVANIZED STEEL. THIS 1-3/4" THICK DOOR SHALL HAVE A BIRD-ON BRASS FINISH AND WILL INCLUDE LOCKS. LOCKSET SHALL MEET ANSI A156.2 SERIES 4000 GRADE 2 CERTIFICATIONS AND SHALL BE KEYS ALIKE. DOORS SHALL INCLUDE A DOOR SWEEP TO ALLOW FOR HOSE ADVANCEMENT EVEN WHEN DOOR IS CLOSED TO EXTERIOR OF TOWER.
- HEAVY DUTY STEEL DOOR EQUIPPED WITH A BREAKAWAY LOCK MECHANISM. LOCK SYSTEM IS EASILY RESET AND FORCE REQUIREMENTS ARE ADJUSTIBLE. PROVIDES TRAINING FOR BREACHING A LOCKED DOOR. APPROVED MANUFACTURER OF LOCK MECHANISM IS POWER JAMBS.

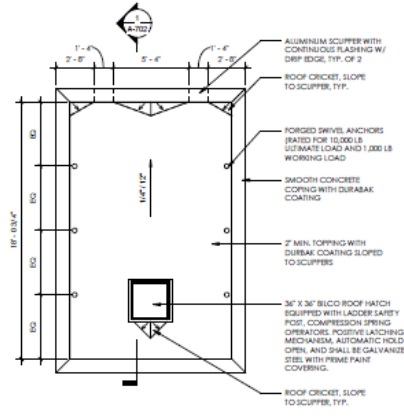


5 HEAD DETAIL - TRAINING TOWER

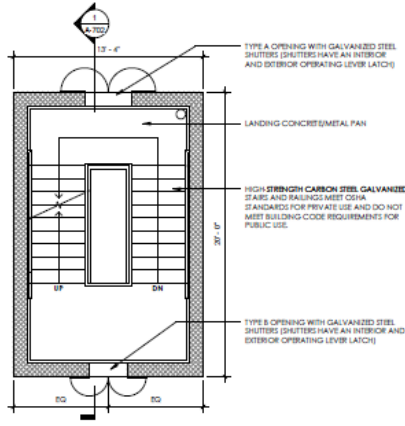
6 JAMB DETAIL - TRAINING TOWER



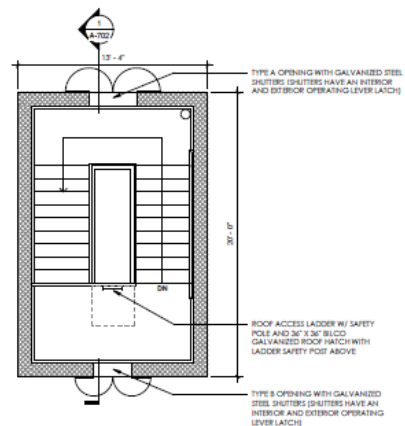
1 FIRST FLOOR TRAINING TOWER



2 ROOF TRAINING TOWER



3 SECOND/ THIRD FLOOR TRAINING TOWER



4 FOURTH FLOOR TRAINING TOWER

Client:
CITY OF FERNANDINA BEACH

204 Ash Street
Fernandina Beach, FL 32034

Passero Associates
4700 Oak Dale Ave., Suite 200 (904) 357-4338
10 Popponville Rd. Seaside, Florida, FL
Project Manager: Chris Passero, P.E. Chris.Passero@passero.com

NO.	DATE	BY	DESCRIPTION

TRAINING TOWER PLANS

600 AIRPORT ROAD

FERNANDINA FIRE STATION NO. 2
Town/City: Fernandina Beach
County: Nassau State: Florida

99000047.0086

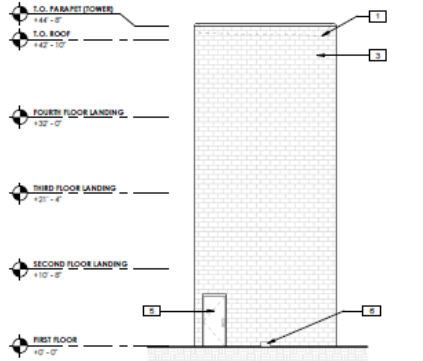
Sheet No.: **A-700**

Date: **July 7, 2021**

BID SET

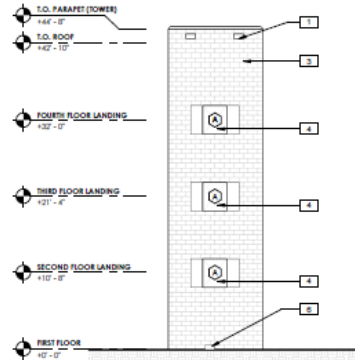
• BASE BID: TRAINING TOWER PLANS

PROJECT COMPONENTS – BASE BID



1 EAST TRAINING TOWER ELEVATION

0 1 2 4 8
1/8" = 1'-0"



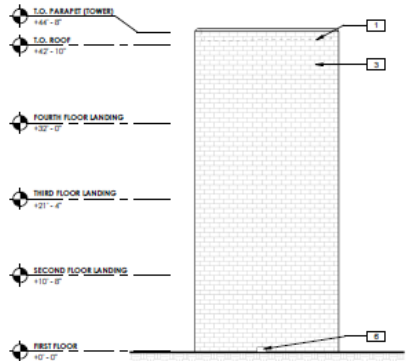
3 NORTH TRAINING TOWER ELEVATION

0 1 2 4 8
1/8" = 1'-0"

OPENING SCHEDULE
TYPE A 3'-4" x 6'-0" OPENING WITH GALVANIZED STEEL SHUTTERS
TYPE B 3'-6" x 3'-4" OPENING WITH GALVANIZED STEEL SHUTTERS
*FINAL OPENING SIZES TBD.

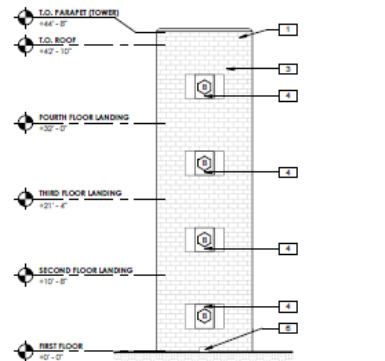
EXTERIOR ELEVATION KEYNOTES - TOWER

- 1 DURABAL SLP-RESISTANT PAINT OVER CONCRETE ROOF TOPPING, PARAPET WALL, AND CORING
- 3 SGM COAT OVER SINGLE WITH CMU EXTERIOR WALLS, PRIME AND PAINT
- 4 WALL OPENING WITH SHUTTERS, REFER TO OPENING SCHEDULE FOR SIZE
- 5 RIBBONED ENEMY STEEL DOOR EQUIPPED WITH BREAKAWAY LOCKING MECHANISM
- 6 WALL OPENINGS AT WALL BASE, FOR DRAINAGE



2 WEST TRAINING TOWER ELEVATION

0 1 2 4 8
1/8" = 1'-0"



4 SOUTH TRAINING TOWER ELEVATION

0 1 2 4 8
1/8" = 1'-0"

Client:
CITY OF FERNANDINA BEACH

204 Ash Street
Fernandina Beach, FL 32034

Passero Associates

4700 Oak Oak Way, Suite 200 Fernandina, FL 32034
P.O. Box 1000 Fernandina, FL 32034

NO.	DATE	BY	DESCRIPTION

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TRAINING TOWER ELEVATIONS

600 AIRPORT ROAD

FERNANDINA FIRE STATION NO. 2
Town/City: Fernandina Beach
County: Nassau State: Florida

Project No: 99000047.0086

Drawing No: A-701

Date: July 7, 2021

BID SET

• BASE BID: TRAINING TOWER ELEVATIONS

PROJECT COMPONENTS – BID ALTERNATE 1

SECTION 13 34 44 – PEMB TRAINING TOWER

PART 1– GENERAL

1.1 Work Included

- A. The work under this section shall include the furnishing of all items shown as specified including:
 - 1. Steel building system.
 - 2. Prefabricated and custom metal stair systems.
 - 3. Railing, anchors, supports, and other accessories.
 - 4. Steel closures, doors, door hardware, and hollow metal door frames.

1.2 Related Sections

- A. Division 3 – Supply and setting of anchor bolts
- B. Division 3 – Grouting
- C. Division 3 – Concrete foundations, grade beams, and floor slabs
- D. Division 3 – Concrete fill on elevated decks

1.3 Definition

- A. This simulator shall be used to provide training for firefighters in a controlled simulated environment, which is commensurate with actual fire conditions. These specifications shall be used in conjunction with the drawings for dimensions, features, and exact configuration of the training structure.

1.4 References

- A. National Fire Protection Association (NFPA)
 - 1. NFPA 1402 – Standard on Facilities for Fire Training and Associated Props
 - 2. NFPA 1403 – Standard on Live Fire Training Evolutions
- B. American Society for Testing and Materials (ASTM)
- C. AWS D1.1 – Structural Welding Code – Steel
- D. American Institute of Steel Construction (AISC), Manual of Steel Construction, latest edition
- E. Occupational Safety and Health Standards (OSHA)
 - 1. 29 CFR 1910.23 – Guarding Wall and Floor Openings
 - 2. 29 CFR 1910.24 – Fixed Industrial Stairs
 - 3. 29 CFR 1910.27 – Fixed Ladders
- F. Steel Deck Institute (SDI), SDI 30 - Design Manual for Composite Decks, Form Decks, Roof Decks; Steel Deck Institute, Inc.

PROJECT COMPONENTS – UNIT PRICES ITEM DESCRIPTIONS

THE FOLLOWING IS THE LIST OF SEPARATE PRICES REFERENCED IN THE BID SUBMITTED BY:
(BIDDER): _____
DATED _____ AND WHICH IS AN INTEGRAL PART OF THE BID FORM.

ITEM DESCRIPTIONS

5.01 ITEM #1:

A. Description: Gear Washer & Gear Dryer Complete

B. Value: \$ _____

5.02 ITEM #2:

A. Description: Generator Complete

B. Value: \$ _____

5.03 ITEM #3:

A. Description: Access Gate including Operator Complete

B. Value: \$ _____

5.04 ITEM #4:

A. Description: 4-Fold Apparatus Bay Doors Complete

B. Value: \$ _____

5.05 ITEM #5:

A. Description: Curve Acoustic Cloud System Complete

B. Value: \$ _____

5.06 ITEM #6:

A. Description: Commercial Kitchen Hood with Ansul System Complete

B. Value: \$ _____

5.07 ITEM #7:

A. Description: Commercial Gas Range with Griddle/Broiler Complete

B. Value: \$ _____

5.08 ITEM #8:

A. Description: Exhaust Fan KEF-1 Complete

B. Value: \$ _____

5.09 ITEM #9:

A. Description: Make-Up Air Unit MAU-1 Complete

B. Value: \$ _____

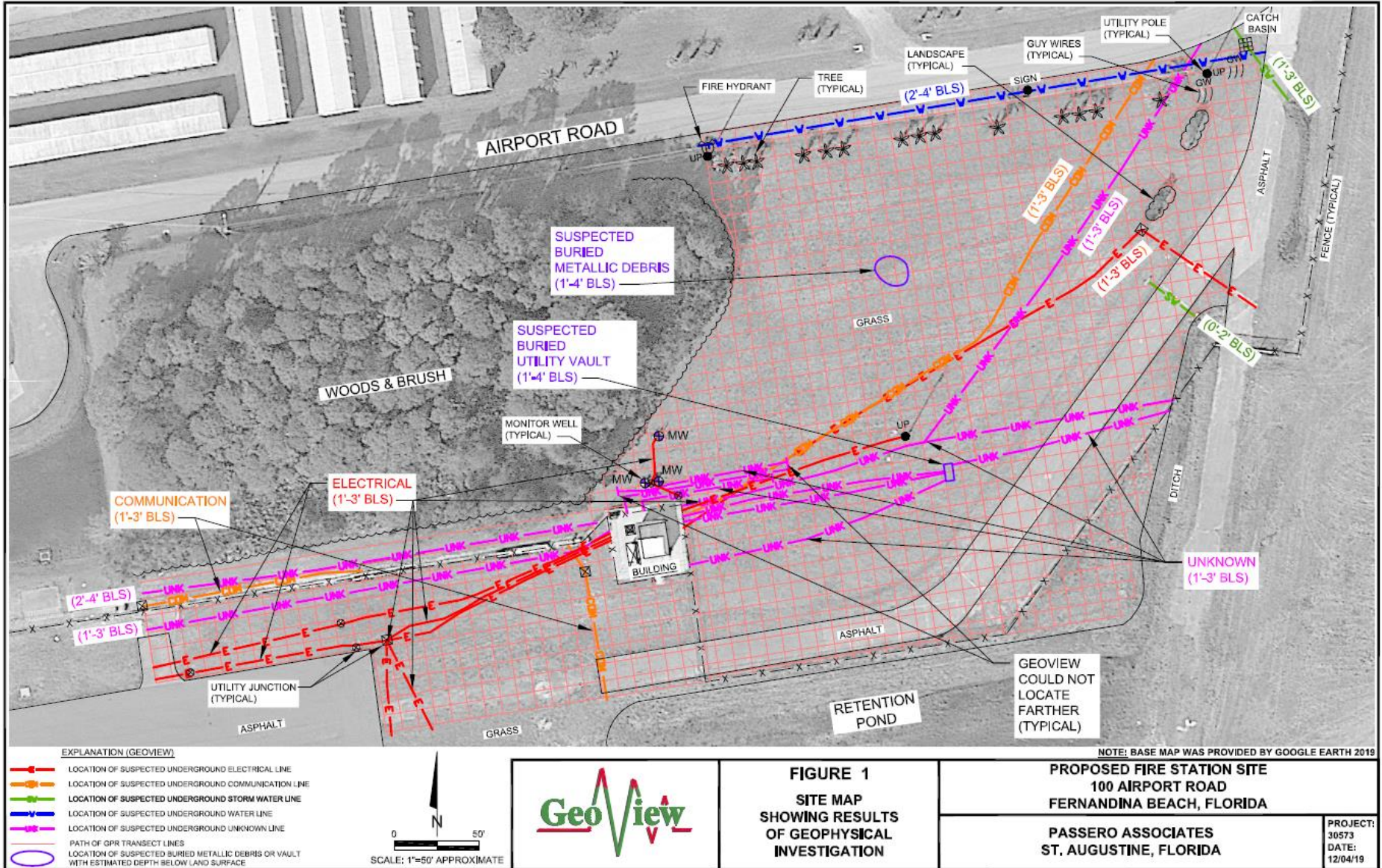
Value: \$ _____
shall include material
and labor, including
General Contractor
Overhead and Profit.

EXCESS SOILS STOCKPILE LOCATION

- OWNER HAS ELECTED TO KEEP EXCESS SOILS AT THE AIRPORT.
- STOCKPILE LOCATION APPROXIMATELY 0.7 MILES FROM CONSTRUCTION
- AIRPORT STAFF ESCORT REQUIRED FOR HAUL ROUTE
- GIVE AIRPORT MANAGER 48 HOURS NOTICE.



PROJECT SITE – GEOPHYSICAL INVESTIGATION



• GEOPHYSICAL INVESTIGATION

SAFETY ON AIRPORTS DURING CONSTRUCTION

- THE FAA ADVISORY CIRCULAR COVERING OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION IS INCLUDED IN THE CONTRACT DOCUMENTS.
- FERNANDINA BEACH MUNICIPAL AIRPORT IS A MULTIPLE RUNWAY, GENERAL AVIATION AIRPORT THAT IS ALWAYS ACTIVE, 24 HOURS PER DAY. AIRCRAFT SHALL HAVE PRIORITY AT ALL TIMES.
- BARRICADES AND RUNWAY CLOSURE MARKERS ARE INCLUDED IN MAINTENANCE OF TRAFFIC ITEM.
- SAFETY PROCEDURES WILL BE DISCUSSED IN DETAIL WITH THE CONTRACTOR AT THE PRE-CONSTRUCTION MEETING.
- GIVE AIRPORT MANAGER 48 HOURS NOTICE.



FLORIDA PUBLIC UTILITIES – RESPONSIBILITIES

FPUC Project Engineer: Shane Magnus; 904-557-1678; smagnus@chpk.com

FPUC	CUSTOMER	Materials and/or Labor
X		Provide & Install Primary Side Overhead Conductors and Connections
	X	Provide Primary Side Trenching *Based on FPUC Design*
	X	Provide & Install Primary Side Conduits w/ Pull string *Per FPUC Design*
X		Provide Primary Side Pull Boxes
	X	Install Primary Side Pull Boxes *Per FPUC Specs*
X		Provide & Install Primary Side Conductors and Terminations
X		Provide & Install Utility Riser Pole
X		Provide and Install Utility Switch Cabinet *If Needed*
	X	Provide & Install Utility Transformer Pad *Per FPUC Specs*
X		Provide & Install Utility Transformer
X		Provide & Install Connections at Utility Transformer (Primary)
	X	Provide Connections at Utility Transformer (Secondary/Service)
X		Install Connections at Utility Transformer (Secondary/Service)
	X	Provide & Install Meter Pedestal
	X	Provide & Install Meter Base
X		Provide & Install Meter
X		Provide CTs
	X	Install CTs
	X	Provide & Install CT Cabinet (if required)
	X	Provide Secondary/Service Side Trenching
	X	Provide & Install Secondary/Service Side Conduits w/ Pull String
	X	Provide & Install Secondary/Service/ Side Conductors
	X	Provide Road Cuts / Road Bores
	X	Provide & Install Pavement Replacement

NOTES:

- 1) Customer is responsible for all City, County, and/or FDOT ROW Permits required for any work that falls under Customer's Scope
- 2) No conduit or pull box shall be installed with approved design from FPUC Project Engineer
- 3) Questions or concerns should be brought to the attention of the FPUC Project Engineer **AS SOON AS POSSIBLE**
- 4) Customer's work should be properly permitted and completed in accordance with all applicable codes
- 5) FPUC's work shall meet or exceed the National Electric Safety Code Requirements

FLORIDA PUBLIC UTILITIES – NATURAL GAS COMMERCIAL REBATES

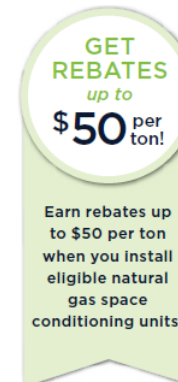
Natural Gas Commercial Rebates*

Lower your energy bills (and earn up to the following rebate amounts!)
when you include qualifying natural gas equipment.

APPLIANCE	REBATE AMOUNTS		
	50% of the purchase and installation costs up to the amounts below	100% of the purchase and installations costs up to the amounts below	50% of the purchase and installation costs up to the amounts below
	NEW CONSTRUCTION	REPLACEMENT (ELECTRIC TO GAS)	RETENTION (GAS TO GAS)
SMALL FOOD SERVICE (annual consumption of less than 9,000 therms)			
Tank Water Heater	\$1,000	\$1,500	\$1,000
Tankless Water Heater	\$2,000	\$2,500	\$2,000
Range	\$1,000	\$1,500	\$1,000
Fryer	\$3,000	\$3,000	\$3,000
LARGE FOOD SERVICE (annual consumption of greater than 9,000 therms)			
Tank Water Heater	\$1,500	\$2,000	\$1,500
Tankless Water Heater	\$2,000	\$2,500	\$2,000
Range	\$1,500	\$1,500	\$1,500
Fryer	\$3,000	\$3,000	\$3,000
HOSPITALITY & LODGING			
Tank Water Heater	\$1,500	\$2,000	\$1,500
Tankless Water Heater	\$2,000	\$2,500	\$2,000
Range	\$1,500	\$1,500	\$1,500
Fryer	\$3,000	\$3,000	\$3,000
Dryer	\$1,500	\$1,500	\$1,500
CLEANING SERVICE AND LAUNDROMAT			
Tank Water Heater	\$1,500	\$2,000	\$1,500
Tankless Water Heater	\$2,000	\$2,500	\$2,000
Dryer	\$1,500	\$1,500	\$1,500
LARGE NON-FOOD SERVICE			
Tank Water Heater	\$1,500	\$2,000	\$1,500
Tankless Water Heater	\$2,000	\$2,500	\$2,000

General Contractor to provide all paperwork and proof as required for all eligible rebates.

All rebate checks shall be sent directly to the owner.



*Limit one rebate for each eligible appliance. Leased and used appliances not eligible for rebate. Appliances installed must be commercial grade in order to qualify. Maximum rebate of up to \$10,000 per account per year for appliances rebated under the New Construction and Retention (Gas to Gas) programs. Appliances replaced under the Retention (Gas to Gas) program must meet age and condition requirements to qualify. Rebate payments will only be issued to qualifying FPUC customers or FPUC Energy Partners. Please contact FPUC or visit FPUC.com/CommercialRebates for more complete details regarding rebate categories, industry definitions and other factors that may influence rebate amounts and eligibility.

PROJECT SCHEDULE

Invitation to Bid Advertisement Plans Available	<u>Non-Mandatory Pre-Bid Meeting</u>	Addendum No. 1 Issued	Deadline for Submission of Questions	Final Addendum Issued	Deadline for Submission of Bids
Wednesday July 7, 2021	Friday July 16, 2021 (11:00am EST)	Friday July 23, 2021 (by 3:00pm EST)	Monday August 16, 2021 (by 5:00pm EST)	Thursday August 19, 2021 (by 3:00pm EST)	Thursday August 26, 2021 (2:00pm EST)

ADDENDA

- ALL ADDENDA WILL BE POSTED TO THE CITY OF FERNANDINA BEACH WEBSITE AT WWW.FBFL.US/BIDS AND AT WWW.DEMANDSTAR.COM IT IS THE BIDDERS RESPONSIBILITY TO CHECK THE CITY'S WEBSITE FOR ADDENDA PRIOR TO SUBMITTING THEIR BID.

BID PROPOSALS

- ALL BIDDERS ARE REQUIRED TO COMPLETE & RETURN A COPY OF THE BID SECTION OF THE CONTRACT DOCUMENTS TO CITY HALL, 204 ASH STREET, FERNANDINA BEACH, FL, 32034, BY 2:00 PM (EST), THURSDAY, AUGUST 26, 2021.

CONTRACT AWARD

- THE OWNER INTENDS TO AWARD THE CONTRACT TO THE LOWEST BIDDER, BUT RESERVES THE RIGHT TO AWARD IN ANY MANNER DEEMED IN HIS SOLE DISCRETION TO BE IN THE OWNER'S BEST INTEREST
- THE OWNER RESERVES THE RIGHT TO WITHHOLD THE AWARD OF THE CONTRACT FOR A PERIOD NOT TO EXCEED 90 CALENDAR DAYS FROM BID OPENING.

CONTRACT TIME

- 330 CALENDAR DAYS FROM NOTICE TO PROCEED WITH LIQUID DAMAGES OF \$500 PER CALENDAR DAY FOR EACH CALENDAR DAY IN EXCESS OF THE CONTRACT TIME.

PROJECT SCHEDULE

- CONTRACTOR SHALL BEGIN NO LATER THAN TEN CALENDAR DAYS FROM ISSUANCE OF NOTICE TO PROCEED; ALL WORK MUST BE COMPLETED **WITHIN 330 CALENDAR DAYS OF NOTICE TO PROCEED.**
- THE ORIGINAL BID SUBMITTAL [**1 ORIGINAL, 3 COPIES, AND 1 ELECTRONIC COPY, (CD OR THUMB DRIVE)**] MUST BE DELIVERED TO CITY HALL IN A SEALED PACKAGE, CLEARLY MARKED ON THE OUTSIDE, **ITB #21-11** AND ADDRESSED TO:

CITY OF FERNANDINA BEACH
ATTN: CITY CLERK'S OFFICE – **ITB #21-11**
204 ASH STREET
FERNANDINA BEACH, FL 32034

- HAND DELIVERED SUBMITTAL IS TO BE TAKEN TO THE CLERK'S OFFICE AT THE ABOVE ADDRESS.
- THE CITY CLERK'S OFFICE IS LOCATED ON THE SECOND FLOOR OF CITY HALL AT THE TOP OF THE STAIRS.



MISCELLANEOUS CONTRACT REQUIREMENTS

CONTRACTOR PROJECT SCHEDULING & PROGRESS MEETINGS: THE CONTRACTOR SHALL SUBMIT A CRITICAL PATH METHOD (CPM) SCHEDULE FOR ALL WORK ACTIVITIES, PRIOR TO COMMENCING WORK, AND PROVIDE UPDATES A MINIMUM OF TWICE PER MONTH. ON SITE WEEKLY PROGRESS MEETINGS SHALL BE REQUIRED FOR THE DURATION OF THE PROJECT; THE FREQUENCY MAY BE REDUCED IF APPROVED BY THE ENGINEER/ARCHITECT.

BIDDER QUALIFICATIONS (REQUIREMENT)

- ALL EXHIBITS, SHALL BE INCLUDED WITH THE BIDDER'S PROPOSAL FOR THIS PROJECT.
- BIDDERS MUST SUBMIT WITH THE BID SUBMITTAL EVIDENCE OF CAPABILITIES TO COMPLETE THE FERNANDINA BEACH MUNICIPAL AIRPORT FIRE STATION NO. 2 PROJECT. THIS WILL INCLUDE A REFERENCE LIST OF SIMILAR PROJECTS (SCOPE & SIZE) SUCCESSFULLY COMPLETED IN THE PAST, A REFERENCE LIST, AND EQUIPMENT LIST, A LIST OF SUBCONTRACTORS, AND OTHER INFORMATION REQUESTED BY THE CITY OF FERNANDINA BEACH. FAILURE TO SUBMIT QUALIFICATION INFORMATION WITH THE BID SUBMITTAL MAY RESULT IN REJECTION OF A BID.



MISCELLANEOUS CONTRACT REQUIREMENTS

BUILDING PERMITTING & IMPACT/CONCURRENCY FEES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADMINISTERING ALL REQUIRED BUILDING & CONSTRUCTION PERMITTING APPLICATIONS WITH THE CITY.
- THE CONTRACTOR, WILL **NOT** BE FINANCIALLY RESPONSIBLE FOR THE COST OF ALL REQUIRED PERMITS AND IMPACT/CONCURRENCY FEES WITH THE CITY.
 - ~~THEREFORE BIDDERS SHOULD INCLUDE THIS COST IN THEIR BID PROPOSAL.~~



QUESTIONS, CLARIFICATIONS & INTERPRETATIONS

A BIDDER REQUIRING A CLARIFICATION OR INTERPRETATION OF THE PROJECT DOCUMENTS SHALL MAKE A WRITTEN REQUEST TO THE CITY OF FERNANDINA BEACH BY EMAIL AT THE FOLLOWING APPLICABLE ADDRESS:

EMAIL ADDRESS: WWEAKS@FBFL.ORG

PHONE INQUIRIES CAN BE DIRECTED TO WANDA WEAKS AT 904-310-3331

DEADLINE FOR SUBMISSION OF QUESTIONS MUST RECEIVED BY MONDAY, AUGUST 16, 2021, BY 5:00 PM (EST).



QUESTIONS, CLARIFICATIONS & INTERPRETATIONS

ALL WRITTEN REQUESTS RECEIVED BY THE ABOVE LISTED DATE SHALL BE RESPONDED TO, & THE REPOSE SHALL BECOME PART OF THE CONTRACT DOCUMENTS.

PLEASE NOTE THAT ANY VERBAL RESPONSE TO QUESTIONS BY THE ARCHITECT/ENGINEER IS CONSIDERED UNOFFICIAL AND WILL NOT BECOME PART OF THE CONTRACT DOCUMENTS; THEREFORE, PLEASE SUBMIT ALL CONTRACT QUESTIONS IN WRITING REGARDLESS OF ANY VERBAL COMMUNICATION.

QUESTIONS/COMMENTS RECEIVED DURING THIS MEETING SHALL BE RECORDED AND OFFICIAL RESPONSES SHALL BE INCLUDED IN ADDENDUM NO. 1.



QUESTIONS, CLARIFICATIONS & INTERPRETATIONS

DURING THE BIDDERS' REVIEW OF THE CONTRACT DOCUMENTS, ANY PROBLEMS RELATED TO THE FOLLOWING QUESTIONS SHOULD BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER.

- **DID YOU IDENTIFY ANY DISCREPANCIES BETWEEN THE PLANS & SPECIFICATIONS?**
- **ARE ALL ITEMS OF WORK AND REQUIRED SUBMITTALS TO COMPLETE THE JOB DESCRIBED ADEQUATELY IN THE CONTRACT DOCUMENTS?**
- **ARE YOU AWARE OF ANY ITEM(S) REQUIRED TO COMPLETE THE JOB THAT WAS NOT IDENTIFIED IN THE BID FORMS?**

PLEASE SUBMIT ANY SUCH ITEMS IN WRITING AS PREVIOUSLY DESCRIBED.



QUESTIONS & COMMENTS



SITE VISIT IMMEDIATELY FOLLOWING QUESTIONS/COMMENTS.

