

April 17, 2024

Mr. Robert M. Rivera  
Public Works Director  
City of New Port Richey  
6420 Pine Hill Road  
Port Richey, Florida 34668

**RE: ITB24-006 Sand Filter Construction Expansion Joint Restoration and Damming.**

Mr. Rivera:

On February 6, 2024, the City of New Port Richey Council approved ITB24-006 and on February 7, 2024, Razorback LLC (contractor) was awarded the contract and was issued a Notice-to-Proceed by the City Public Works Department.

Based on the ITB24-006 bid documents (Section 01-11-00 Specifications-Scope of Work, pages 28 & 29 in **Bold Print**), the Contractor used this Section for his bid (**Attachment A**). Since this Section does not mention any concrete spalling construction joint repair work, the Contractor did not include this in their bid.

During the work, the Contractor was notified by the City that there were three more areas of concern. This included the east and west vertical wall concrete spalling construction joint repair work and the crack in the filter slab (**Attachment B**). Since these areas were not called out in the ITB bid documents, the Contractor provided a Change Order No. 1 to fix the three areas mentioned above for \$19,500.

To date, the Contractor is approximately 65% finished with the work included in his bid. This includes just the work described in Section 01-11-00, pages 28 & 29 on the walls and slab construction joints.

Recommendation:

- After several conversations with the Contractor and since the budget (\$48,000) includes a contingency amount of \$7,000, I would recommend that the City issues a Field Order in that amount to help fix the spalling concrete vertical walls in the construction joints and the crack in the slab. The Contractor will need an additional amount of \$12,500 to complete the work for filter No. 1.
- The Contractor will still need the City's support and coordination for the bypass pumping and damming.
- Since the contract time is for 90 days and it has been approximately 62 days from the date of this letter, I would work to close the contract out.
- Subsequently, since the ITB seems to be written for one Filter, I would write and issue new phased ITBs to include new work on Filter No. 2, Filter No. 3 and Filter No. 4, depending on the review and recommendation from a structural Engineer. I would include drawings to clearly show the bidding Contractors, the areas to be restored including the filter slabs and provide a schedule of values instead of a lump sum contract.

## Attachment A

### **01-00-00 GENERAL REQUIREMENTS**

#### 01-11-00 SPECIFICATIONS: (SCOPE OF WORK)

The process of damming off the water flow, rebuilding interior and exterior wall and Floor construction joints, including surface preparation, sealant preparation, and product application for sealing tank construction seams from leaks.

The specifications and scope of work for the:  
Sand Filter Construction Expansion Joint Restoration and Damming.

### **SEALANTS AND CAULKING**

#### PART 1 - GENERAL

##### 1.01 APPLICABLE PUBLICATIONS

- A. The publications listed below form a part of this specification to the extent referenced. The publications are reread to in the text by the basic designation only.
- B. American Society for Testing and Materials (ASTM) Publications: C 920-79 Elastomeric Joint Sealants

##### 1.02 SUBMITTALS

- A. Division 01 – General Requirements
- B. Certificates of Conformance or Compliance: Submit certificates from the manufacturers attesting that materials meet the specified requirements.
- C. Manufacturer's Descriptive Data: Submit complete descriptive data for each type of material. Clearly mark data to indicate the type the Contractor intends to provide. Data shall state conformance to specified requirements. Data for sealant and calking shall include application instructions, shelf life, mixing instructions for multicomponent sealants, and recommend cleaning solvents.

##### 1.03 DELIVERY AND STORAGE

- A. Deliver materials to the job site in the manufacturers' external shipping containers, unopened, with brand names, date of manufacture, and material designation clearly marked thereon. Containers of elastomeric sealant shall be labeled as to type, class, grade, and use. Carefully handle and store all materials to prevent inclusion of foreign materials or subjection to sustained temperatures exceeding 100 degree F or less than 40 degree F.

#### PART 2 - PRODUCTS

##### 2.01 MANUFACTURER

- A. Subject to compliance with requirements provide products manufactured by single source.

##### 2.02 MATERIALS

- A. Compatibility: Provide joint sealants, backings, and other related materials that are compatible with one another and with joint substrates under conditions of service and application, as demonstrated by joint-sealant manufacturer, based on testing and field experience.
- B. Products shall conform to the reference documents listed for each use. Color of sealant and calking shall match adjacent surface color unless specified otherwise. For ASTM C 920 sealants, use a sealant that has been tested on the type(s) of substrate to which it will be applied. Interior Calking or Sealant: Provide ASTM C 920, Type M, Grade NS, Class 12.5, Use NT. Color of calking or sealant shall be selected by Owner from manufacturer's full range.
- C. Exterior Sealant: For joints in vertical surfaces, provide ASTM C 920, Type M, Grade NS, Class 25, Use NT. For joints in horizontal surfaces, provide ASTM C 920, Type M, Grade P, Class 25, Use T. Color of sealant shall be selected by Owner from manufacturer's full range.
- D. Latex rubber modified, acrylic emulsion polymer sealant compound; manufacturer's standard, one part, nonsag, mildew resistant, acrylic emulsion sealant complying with ASTM C834, formulated to be paintable and recommended for exposed applications on interior locations involving joint movement of not more than plus or minus 5 percent
- E. Floor Joints Sealant: Provide ASTM C-920, Type S or M, Grade P, Class 25, Use T. Color of sealant shall be selected by Owner from manufacturer's standard colors.
- F. Primer for Sealant: Use a non-staining, quick-drying type and consistency recommended by the sealant manufacturer for the particular application.
- G. Bond Breakers: Use the type of consistency recommended by the sealant manufacturer for the particular application.
- H. Silicone Joint Sealants: Use Single-Component, Nonsag, Neutral-Curing Silicone Joint Sealant: ASTM C 920, Type S, Grade NS, Class 100/50, for Use NT
- I. Backstops: Use glass fiber roping or neoprene, butyl, polyurethane, or polyethylene foams free from oil or other staining elements as recommended by the sealant manufacturer. Backstop material shall be compatible with the sealant. **Do not use oakum and other types of absorptive materials as backstops.**

## PART 3 - EXECUTION

### 3.01 SURFACE PREPARATION

#### Construction Joint Preparation

1. Removal of all interior joints and exterior wall joints.
2. Inspect joints for any spalling concrete, exposed re-bar, waterstop for any problem areas. If any, it shall be brought to the owners' attention and treated accordingly.
3. Joints shall be abrasive blasted.
4. Install closed cell backer rod into the joint, creating a stopping point at a depth equal to half of the joint width.
5. Apply one full coat of Dudick Primer 67 (or equivalent) to joint area where polysulfide sealant will

be applied.

**6. Trowel apply Dudick Caulk 149, two component, polysulfide expansion/control joint sealant. (or equivalent)**

**7. Allow all products to cure for Immersion service in accordance with manufactures recommendations.**

- A. Surfaces shall be clean, dry to the touch, and free from frost, moisture, grease, oil, wax, lacquer, paint, or other foreign matter that would tend to destroy or impair adhesion. Where adequate grooves have not been provided, clean out grooves to a depth of ½" and grind to a minimum width of ¼" without damage to the adjoining work. No grinding shall be required on metal surfaces.
- B. Steel Surfaces: Remove loose mill scale by sandblasting or, if sandblasting is impractical or would damage finish work, scraping and wire brushing. Remove protective coatings by sandblasting or using a solvent that leaves no residue.
- C. Copper or Bronze Surfaces: Remove temporary protective coatings from surfaces that will be in contact with sealant. When masking tape is used as a protective coating, remove tape and any residual adhesive just prior to sealant application. Use non-staining solvents recommended by the item manufacturer.

### 3.02 SEALANT PREPARATION

- A. Do not modify the sealant by addition of liquids, solvents, or powders. Mix multicomponent elastomeric sealants in accordance with manufacturer's printed instructions.

### 3.03 APPLICATION

- A. Backstops: Where joint cavities are constructed deeper than indicated, tightly pack the back or bottom with backstop material to provide a joint of the depth indicated. Install backstops dry and free of tears or holes.
- B. Primer: Just prior to application of the sealant or calking compound, clean out all loose particles from joints. Apply primer in accordance with compound manufacturer's directions. Do not apply primer to exposed finish surfaces.
- C. Bond Breaker: Provide bond breakers as recommended by the sealant manufacturer for each type of joint and sealant used.
- D. Sealant and Caulking Compounds: Use a compound that is compatible with the material to and against which it is applied. Do not use a compound that has exceeded its shelf life or has become too jelled to be discharged in a continuous flow from the gun. Apply the compound in accordance with the manufacturer's printed instructions. Force the compound into the joints with sufficient pressure to fill the joints solidly. Compound shall be uniformly smooth and free from wrinkles.
- E. Interior Sealant and Caulking: Provide sealant or caulking at all exposed joints in the building and at all joints indicated to receive sealant or caulking.

- F. Exterior Sealant: Provide sealant at all joints around the perimeter of openings and at all exposed joints on the building and at all joints indicated to receive sealant.
- G. Floor Joints Sealants: Provide sealant in all control joints and in other floor joints indicated or specified.
- H. Provide colors of exposed sealants to match colors of grout in tile adjoining sealed joints, unless otherwise indicated

3.04 PROTECTION AND CLEANING

- A. Protection: Protect areas adjacent to joints from compound smears. Masking tape may be used for this purpose if removed 5 to 10 minutes after the joint is filled.
- B. Cleaning: Immediately scrape off fresh compound that has been smeared on masonry and rub clean with a solvent as recommended by the compound manufacturer. Upon completion of compound application, remove all remaining smears and stains resulting therefrom and leave the work in a clean and neat condition. **The City will then leak test the tank with reuse water prior to placing it back into service**
- C.

**SEALANTS AND CAULKING**  
END OF SECTION

The specifications and scope of work for the:  
Sand Filter Construction Expansion Joint Restoration, and Damming.

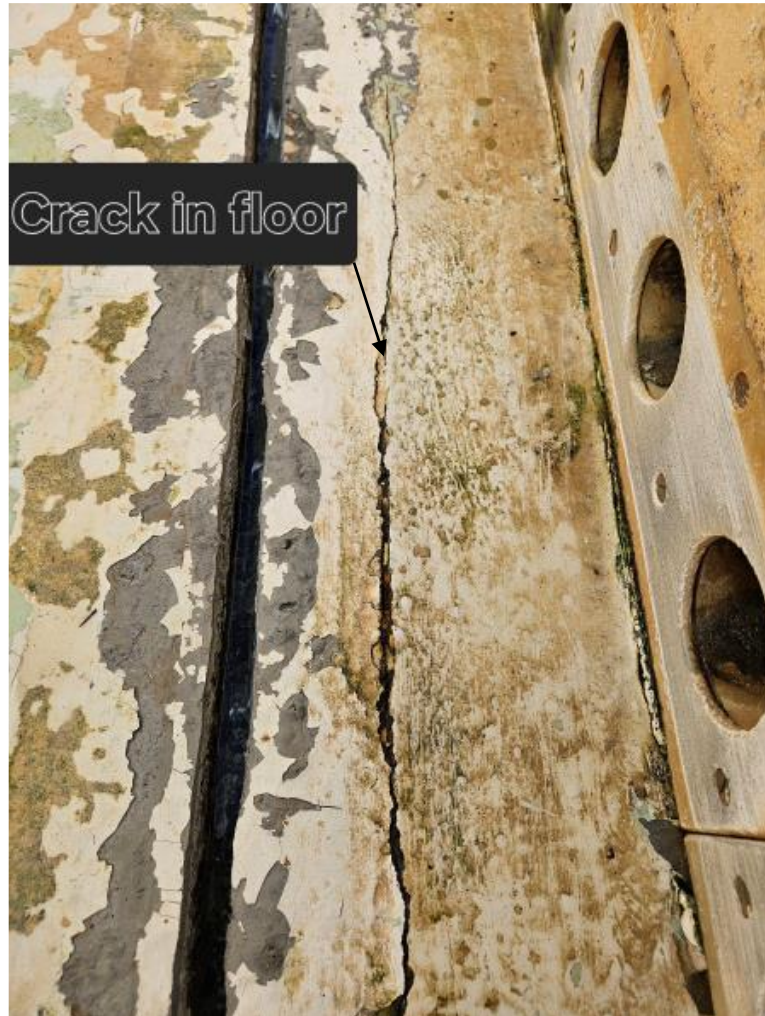
**PAINTING**

PART 1 GENERAL

1.01 SCOPE OF WORK

- A. The Contractor shall furnish all labor, tools, materials, equipment, scaffolding or other structures and incidentals necessary to complete this Contract in its entirety.
- B. The work includes painting and finishing of all new interior and exterior exposed items above and below grade and surfaces, such as structural steel, miscellaneous metals, ceilings, walls, floors, doors, frames, transoms, roof fans, construction signs, guardrails, posts, fittings, valves, tanks, equipment and all other work obviously required to be painted unless otherwise specified herein or on the Drawings. The omission of minor items in the Schedule of Work shall not relieve the Contractor of his obligation to include such items where they come within the general intent of the Specification as stated herein.
- C. The following items shall not be painted:
  1. Any code-requiring labels, such as Underwriter's Laboratories and Factory Mutual, or any equipment identification, performance rating, name or nomenclature plates.
  2. Any moving parts of operating units, mechanical and electrical parts, such

## Attachment B



Sincerely,

*Gary Peterson*

Gary Peterson, Sr. Project Manager