

**CITY OF WEST LINN
ADDENDUM NO. 2
TO THE BID DOCUMENTS FOR
BLAND RESERVOIR RECOATING, CATHODIC PROTECTION and MINOR APPURTENANCES
PROJECT PW0901 - FOR THE CITY OF WEST LINN**

This addendum is hereby made a part of the contract documents to the same extent as though it were originally included therein.

Engineering Department
City of West Linn, OR
22500 Salamo Road #800
West Linn, OR 97068
503-722-5514, FAX 503-656-4106

Issued: August 24, 2009
Issued by: Dennis Wright, PE

Item no. 1 – Regrouting and Resealing of Foundation: Repair of the failed grout under the reservoir base is required prior to recoating. Specification is included for this work. Following manufacturer's specifications for cure of grout repairs, entire foundation must be resealed with an industry-approved sealant prior to application of the interior coating. Sealant material must be submitted to the City's project manager for approval.

Item no. 2 – Repair and recoating of Holidays: Unintentional gaps (holidays) left on plated, coated, or painted surfaces shall be cleaned, repaired, and coated. The roof of the reservoir must be jacked-up slightly from the interior of the tank exposing any holidays that may exist and allowing contractor to clean, repair, and properly coat them.

ACKNOWLEDGEMENT OF RECEIPT OF THE ADDENDA (acknowledge with Bid):

Signature of Bidder

Date: _____

Title

Company Name and Address:

REGROUTING WATER TANK FOUNDATION

PART 1 GENERAL

1.01 SUMMARY

- A. Section Includes:
 - 1. Work under this section covers preparation of surfaces, performance and completion of the repair of the failed grout under the reservoir base. Regrouting shall be complete prior to recoating.

1.02 REFERENCES

- A. Publications listed herein are part of this specification to extent referenced.
- B. American Society for Testing and Materials:
 - 1. ASTM C-1107-02 Packaged Dry, Hydraulic-Cement Grout (Nonshrink) (Grade C)

1.03 DEFINITIONS

- A. Term GROUT shall in a general sense have reference to, non-shrink, non-metallic, cement-based grout and the application of this material.

1.04 SUBMITTALS

- A. Product Data:
 - 1. Submit manufacturer's literature describing products to be provided, giving manufacturer's name, product name, and product line number for each material.
 - 2. Submit technical data sheets for product, giving descriptive data, curing times, mixing, thinning, and application requirements.

1.05 QUALITY ASSURANCE

- A. Qualifications:
 - 1. Provide products from a company specializing in manufacture of products.
 - 2. Applicator shall be trained in application techniques and procedures and shall demonstrate a minimum of 2 years successful experience in such application.
 - 3. Single Source Responsibility:
 - a. Materials shall be products of a single manufacturer.
 - b. Provide secondary materials, which are produced or are specifically recommended by manufacturer to ensure compatibility of system.

1.06 DELIVERY AND STORAGE

- A. Packing and Shipping:
 - 1. Deliver products in manufacturer's original unopened containers. Each container shall have manufacturer's label, intact and legible.
 - 2. Include on label for each container:
 - a. Manufacturer's name
 - b. Type of grout
 - c. Manufacturer's stock number
 - d. Instructions for mixing and application
- B. Storage and Protection:
 - 1. Store materials in a designated protected area, per manufacturer's printed data sheet instructions.

1.07 PROJECT CONDITIONS

- A. Environmental Requirements:
 - 1. Apply materials per manufacturer's printed data sheet instructions:
 - a. Refer to specific product data sheets for temperature range requirements.

PART 2 PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

- A. This specification lists specific products manufactured by Dayton Superior (Chemical Division), Inc. (Factory Service center in Seattle, WA ph 800 745-3705) Materials specified herein are cited as minimum standard of quality that will be acceptable.
- B. Materials specified herein shall not preclude consideration of equivalent materials. Equivalent materials shall be submitted to Engineer for consideration.
 - 1. Requests for substitution shall include evidence of satisfactory past performance in similar application.

2.02 MATERIALS

1107 Advantage™ Grout (Non-Shrink, Non-metallic, Cement-based Grout)

PERFORMANCE CRITERIA

This product will meet or exceed the following requirements:

ASTM C 1107 (paragraph 7)

- 2.03 MIXING Instructions: Specific product mixing and thinning instructions are to be found in the manufacturer's printed data sheets. Mix using clean drinking water to a flowable consistency.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Site Verification of Conditions:
1. Examine areas and conditions under which application of grout shall be performed for conditions that will adversely affect execution, permanence, or quality application.
 2. Correct conditions detrimental to timely and proper execution of Work.
 3. Do not proceed until unsatisfactory conditions have been corrected.
 4. Commencement of installation constitutes acceptance of conditions and responsibility for satisfactory performance.

3.02 PREPARATION

- A. Protection:
1. Provide drop cloths, shields, and other protective equipment.
 2. Protect elements surrounding work from damage or disfiguration.
 3. As Work proceeds, promptly remove spilled, splashed, or splattered materials from surfaces. Leave storage area neat and clean at all times.
- B. Surface Preparation:
1. General Requirements:
 - a. Prior to application surfaces shall be prepared in compliance with manufacturer's recommendations and specifications.
 - b. Surfaces to be coated shall be clean, dry and free from dust and any foreign matter which might adversely affect adhesion or appearance.
 2. Specific Requirements:
 - a. All exterior surfaces shall receive a high-pressure wash -- 3,000 PSI at 3.5 gallons per minute minimum. Surface is to be clean, dry and free of contaminants.
 - b. All pitted and rusted areas shall receive a Power Tool Cleaning in accordance with SSPC SP-3. Note: areas under the tank shall be cleaned to the best extend practical with minimal disturbance of subbase material.
 - c. Prime coat per section 2 shall be applied to tank bottom prior to grout application.

3.03 APPLICATION

- A. General Requirements:

1. Apply grout in compliance with manufacturer's instructions and using application method best suited for filling voids and providing uniform bonding to foundation and tank bottom.
2. Employ only application equipment that is clean, properly adjusted, and in good working order, and of type recommended by manufacturer.
3. Grout can be placed by hand or pump. Hand placement should only be by one continuous flow from one side of the area to be grouted. A head box should be used. Vibrating of the grout should be avoided.
4. Curing: Grout must be cured immediately after placement and striking it off. Exposed grout surfaces may be cured using special curing agents per manufacturer's recommendation or a wet cure for 3 days.
5. When cured, grout shall be coated with paint system used for tank recoating.

3.04 REPAIR/RESTORATION

- A. At completion of Work, touch-up and restore cracked or damaged areas.

3.05 FIELD QUALITY CONTROL

- A. Inspector's Services:
 1. Documents:
 - a. Review Contract Documents and applicable sections of referenced standards.

3.06 PROTECTION

- A. Protect grouted areas against damage until grout is fully cured.

3.07 ONE YEAR ANNIVERSARY INSPECTION

- A. Shall coincide with date set for paint one year inspection.
- B. Inspection will be attended by an owner's representative, engineer, and painting contractor.
- C. Any deficiencies in the grout will be repaired at the contractor's expense.

END OF SECTION 1