

SECTION 01 20 00

PRICE AND PAYMENT PROCEDURES

PART 1 GENERAL

- 1.01 This Section describes the methods of measurement and payment for the specific bid items. All other provisions of the Contract Documents which relate to measurement and payment are applicable, except that where conflicts occur between this section and other provisions of the technical specifications or reference specifications, this measurement and payment section shall prevail.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION

3.01 GENERAL

- A. All work shown, described, or otherwise required by the Contract Documents, shall be included within the given bid items.
- B. Payment for all bid items shall include full compensation for all equipment, materials, labor, tools, trucking, and all other incidental work necessary to construct complete and operational systems which conform to the Contract Documents.

3.02 MEASUREMENT AND PAYMENT FOR BID ITEMS

- A. All lengths shall be measured in a horizontal plane (plan view dimensions), unless otherwise specified. All areas measured shall be based on the specified measurement definition included in each bid item description.
- B. All work shown, described, or otherwise required by the Contract Documents, shall be included within the given bid items.
- C. Basis for the submitted bid shall be on the quantities shown for the items on the Bid Sheet.
- D. Unit definitions of Measurement and Payment
1. "Lump Sum", or "LS", shall mean a single Lump Sum Payment for the identified bid item. Partial payments may be made, based on the Engineer's estimate of the percent completion of the specified item. Provide schedule of values for lump sum bid items with pay designation of "SV" on the bid schedule. Refer to Section 01 30 00, Administrative Requirements, Para. 1.05 for submittal requirements for Schedule of Values.
 2. "Each", or "EA", shall mean the actual number of identified bid items provided. Payment for the identified bid item will be based on providing each item, complete and in place in accordance with the contract documents.
 3. Measurable units of quantity expressed in "Linear Feet" or "LF"; "Cubic Yard or CY"; "Ton"; "SF" or "SY" shall mean the number of indicated measurable

quantities of the bid item. Payment for the identified bid item will be based on actual and measured quantities of the bid item complete and in place in accordance with the contract documents.

4. For extra work, and quantity changes for unit price work, refer to the General Conditions.

E. Final Pay Quantities.

1. Bid items that are designated a Final Pay Quantity bid item by having the notation (F) or (S-F) shown on the bid sheet or by designation in this Section 01 20 00, Measurement and Payment.
2. The quantity shown on the bid sheet for a Final Pay Quantity shall be the final pay quantity used for the purpose of payments, unless the dimensions of any portion of the item are modified by the Engineer, or the item or any portion of the item is eliminated.
3. If the dimensions of any portion of a Final Pay Quantity bid item are changed, and the changes result in an increase or decrease in the quantity of the item, the final pay quantity will be revised by the change in quantity.
4. If a portion of a Final Pay Quantity item, or the item is eliminated, the final pay quantity will be adjusted by the quantity eliminated.
5. The estimated quantity shown on the bid sheet for a Final Pay Quantity bid item shall be considered as an estimate only and no guarantee is made that a quantity computed based on the details and the plans, will equal the estimated quantity shown on the bid sheet. No allowance is made in the event that a computed quantity does not equal the estimate quantity.
6. In the case of a discrepancy between a quantity shown on the plans, and an estimated quantity shown on the bid sheet for a Final Pay Quantity item, payment will be based on the quantity shown on the bid sheet.

BASE BID

Bid Item No. 1 – Mobilization/Demobilization

- A. Units: Lump Sum
- B. Measurement: Partial payments based on Engineer's determination.
- C. Payment: Payment includes full compensation for all work required to complete the contract requirements for Mobilization/Demobilization.
 1. Partial payment for Mobilization/Demobilization work will not be made until listed items in the schedule of values have been completed to the satisfaction of the Owner.
 2. Contractor shall be compensated no more than 70% of total bid value for Mobilization/Demobilization for mobilization; and 30% for mobilization/demobilization for demobilization following completion of Work.
- D. Scope of bid item: Mobilization/Demobilization includes, but is not limited to the following:

1. Mobilization/demobilization at each Project site identified in Section 01 11 00, Summary of Work.
2. Obtaining all required bonds, insurance, and permits.
3. Posting all Cal-OSHA required notices and establishment of safety programs and injury and illness prevention plan (IIPP).
4. Maintaining project schedule.
5. Moving onto the sites of all Contractors' facilities and equipment required for project operations.
6. Arranging for and erection of Contractor's work areas and storage yards and coordinating such work areas and storage yards with Marina Coast Water District staff, and other agencies as necessary. Per Section 01 11 00, Summary of Work, lay down and storage areas shall be limited to the limits of the lift station sites, wherever possible.
7. Coordination with utility companies during construction activities adjacent to utility agency facilities.
8. Coordinating with County of Monterey, City of Marina, City of Seaside, Marina Coast Water District staff, and other agencies during construction.
9. Providing and installing temporary communication facilities.
10. Providing and installing construction water and on-site sanitary facilities.
11. Designation of the Contractor's superintendent who will be present at the job site full time.
12. Documenting construction progress, including pre- and post-construction photographs, and progress photographs.
13. Preparing and submitting field record drawings.
14. Removing equipment, personnel, temporary facilities, and other construction resources at job completion.
15. Site cleanup.
16. All other incidental work as specified in Division 01 of these Specifications, Project Supplementary Conditions, District Standard Specifications, referenced Caltrans standard specifications, and as necessary to complete Mobilization/Demobilization in accordance with the Contract Documents.

Bid Item No. 2 – Erosion, Sediment, and Water Pollution Control

- A. Units: Lump Sum (LS)
- B. Measurement: Partial payments based on Engineer's determination.
- C. Payment: Payment includes full compensation for all work required to complete the contract requirements for Erosion, Sedimentation, and Storm Water Pollution Control.
- D. Scope of bid item: Work for Erosion, Sedimentation, and Storm Water Pollution Control includes, but is not limited to the following:

1. Proper management of storm water, dust, sediment, and erosion with best practices, where required. Refer to Section 01 57 13 – Temporary Erosion and Sediment Control and 01 57 23 Temporary Storm Water Pollution Control.
2. Complying with all reporting, monitoring, inspection and permitting requirements for protection of water quality.
3. All labor, equipment and materials to perform Erosion, Sedimentation, and Water Pollution Control activities.
4. All other incidental work necessary to complete Erosion, Sedimentation, and Water Pollution Control in accordance with the Contract Documents.

Bid Item No. 3 – Wetwell Epoxy Lining

- A. Units: Each (EA)
- B. Measurement: Each fully furnished and installed epoxy wetwell lining.
- C. Payment: The payment quantity for Wetwell Epoxy Lining shall be on a unit price basis per each item, and shall be full compensation for all materials, labor, tools equipment and incidentals to acceptably construct this item in accordance with the Plans and Specifications.
- D. Scope of Bid Item: Wetwell Epoxy Lining shall include, but is not limited to the following:
 1. Furnish and install epoxy lining in accordance with the Plans and Specifications, including surface preparation of the manhole interior surface as described in the Specifications.
 2. Hauling and disposing of all waste, unsuitable, and excess material in accordance with the Contract Documents, and not allowing deleterious materials into the sewer system.
 3. Control/management of groundwaters.
 4. Verification of adjacent utilities.
 5. And all other incidental work necessary to implement Wetwell Epoxy Lining complete, in place, and in accordance with the Contract Documents.

Bid Item No. 4 – Sewer Bypassing

- A. Units: Lump Sum (LS)
- B. Measurement: Partial payments based on Engineer's determination.
- C. Payment: Payment includes full compensation for all work required to complete the contract requirements for Sewer Bypassing.
- D. Scope of bid item: Work for Sewer Bypassing includes, but is not limited to the following:
 1. Preparation of approved sewer bypassing plans for the various sites of the Work where sewer bypassing is required.

2. Providing all labor, materials and equipment to provide sewer bypassing, and to ensure adequate redundancy measures and containment of sewage and spill prevention at the various sites of the Work.
3. All other incidental work necessary to complete Sewer Bypassing in accordance with the Contract Documents.

Bid Item No. 5 –Wetwell Safety Grates

- A. Units: Each (EA)
- B. Measurement: Each fully furnished and installed wetwell safety grates in existing access door(s) in accordance with the Plans and Specifications.
- C. Payment: The payment quantity for Wetwell Safety Grates shall be on a unit price basis per each item, and shall be full compensation for all materials, labor, tools equipment and incidentals to acceptably construct this item in accordance with the Plans and Specifications.
- D. Scope of Bid Item: Wetwell Safety Grates include, but is not limited to the following:
 1. Furnish and install retrofit safety grates into existing wetwell access doors, including necessary modifications to existing access doors and frames to render in full and complete the installation of the safety grates per manufacturer’s recommended procedures and as specified herein.
 2. Repair and patching of existing wetwell concrete surfaces, as necessary.
 3. Hauling and disposing of all waste, unsuitable, and excess material in accordance with the Contract Documents.
 4. Control/management of groundwaters during construction.
 5. Verification of adjacent utilities.
 6. And all other incidental work necessary to implement Wetwell Safety Grates complete, in place, and in accordance with the Contract Documents.

Bid Item No. 6 – New Wetwell Access Doors with Safety Grates

- A. Units: Each (EA)
- B. Measurement: Each fully furnished and installed spring-assisted, dual-leaf access door and safety grate assembly installed in precast concrete wetwell lids, including the removal and disposal of the existing door and any concrete patching/repair necessary to implement New Wetwell Access Doors with Safety Grates complete per the Plans and these Specifications.
- C. Payment: The payment quantity for New Wetwell Access Doors with Safety Grates shall be on a unit price basis per each item, and shall be full compensation for all materials, labor, tools equipment and incidentals to acceptably construct this item in accordance with the Plans and Specifications.
- D. Scope of Bid Item: New Wetwell Access Doors with Safety Grates include, but is not limited to the following:

1. Replace existing wetwell access doors with new spring-assisted, dual-leaf access doors and safety grate assemblies, including necessary modifications to the precast concrete wetwell lids to render in full and complete the installation of the doors per manufacturer's recommended procedures and as specified herein.
2. Saw-cutting, drilling, repair, or patching of existing wetwell concrete surfaces, and placement of concrete and cement-mortar grout materials, in accordance with the Plans and these Specifications.
3. Hauling and disposing of all waste, unsuitable, and excess material in accordance with the Contract Documents.
4. Control/management of groundwaters during construction.
5. Verification of adjacent utilities.
6. And all other incidental work necessary to implement New Wetwell Access Doors with Safety Grates complete, in place, and in accordance with the Contract Documents.

Bid Item No. 7 – New Valve Vault Access Doors

- A. Units: Each (EA)
- B. Measurement: Each fully furnished and installed spring-assisted, dual-leaf access door and installed in precast concrete valve vaults, including the removal and disposal of the existing door(s) and any concrete patching/repair necessary to implement New Valve Vault Access Doors complete per the Plans and these Specifications.
- C. Payment: The payment quantity for New Valve Vault Access Doors shall be on a unit price basis per each item, and shall be full compensation for all materials, labor, tools equipment and incidentals to acceptably construct this item in accordance with the Plans and Specifications.
- D. Scope of Bid Item: New Valve Vault Access Doors include, but is not limited to the following:
 1. Replace existing valve vault access doors with new spring-assisted, dual-leaf access doors, including any necessary modifications to the precast concrete valve vaults to render in full and complete the installation of the doors per manufacturer's recommended procedures and as specified herein.
 2. Saw-cutting, repair, or patching of existing concrete surfaces, and placement of concrete and cement-mortar grout materials, in accordance with the Plans and these Specifications.
 3. Hauling and disposing of all waste, unsuitable, and excess material in accordance with the Contract Documents.
 4. Control/management of groundwaters during construction.
 5. Verification of adjacent utilities.
 6. And all other incidental work necessary to implement New Valve Vault Access Doors complete, in place, and in accordance with the Contract Documents.

Bid Item No. 8 – Concrete Rehabilitation and Resurfacing

- A. Units: Square Feet (SF)
- B. Measurement: Square feet of patched, resurfaced, and rehabilitated concrete manhole interior surfaces in accordance with the Plans and Specifications.
- C. Payment: The payment quantity for Concrete Rehabilitation and Resurfacing shall be on a unit price basis per square foot, and shall be full compensation for all materials, labor, tools equipment and incidentals to acceptably construct this item in accordance with the Plans and Specifications.
- D. Scope of Bid Item: Concrete Rehabilitation and Resurfacing shall include, but is not limited to the following:
 - 1. Furnish and install epoxy grout over deteriorated and damaged concrete manhole surfaces in compliance with the Plans and these Specifications.
 - 2. Hauling and disposing of all waste, unsuitable, and excess material in accordance with the Contract Documents.
 - 3. Control/management of groundwaters.
 - 4. And all other incidental work necessary to implement Concrete Rehabilitation and Resurfacing complete, in place, and in accordance with the Contract Documents.

Bid Item No. 9 – Lining Replacement

- A. Units: Square Feet (SF)
- B. Measurement: Square feet of lining/coating system furnished and installed to replace damaged portions of existing lift station linings, in accordance with the Plans and Specifications.
- C. Payment: The payment quantity for Lining Replacement shall be on a unit price basis per square foot, and shall be full compensation for all materials, labor, tools equipment and incidentals to acceptably construct this item in accordance with the Plans and Specifications.
- D. Scope of Bid Item: Lining Replacement shall include, but is not limited to the following:
 - 1. Replace in kind portions of existing wetwell liners/coatings damaged or removed during any of the work proposed in the Contract Documents.
 - 2. Preparation of existing wetwell concrete surfaces and the portions of the existing liner to remain, following lining system manufacturer recommendations.
 - 3. Protection of all materials not to be coated.
 - 4. Collection of existing liner samples for material ordering.
 - 5. Control/management of groundwaters.
 - 6. And all other incidental work necessary to implement Lining Replacement complete, in place, and in accordance with the Contract Documents.

END OF SECTION

SECTION 01 35 00
SPECIAL PROJECT PROCEDURES

PART 1 - GENERAL

1.1 DESCRIPTION

- A. This Section includes:
1. Protection of improvements
 2. Protection of Private and Public Property
 3. Utility potholing
 4. Existing utilities
 5. Protection of existing pavement
 6. Protection of existing hardscape
 7. Protection of existing trees
 8. Excavation notification.
 9. Construction documentation/photographs/videos
 10. Sewer bypassing
 11. Concrete resurfacing and rehabilitation

1.2 SUBMITTALS

- A. All submittals herein identified shall follow the requirements of Section 01 33 00.
1. Sewer Bypass plan, per Para. 3.10.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

- 3.1 Protect all existing utilities and improvements not designated for removal and restore damaged or temporarily relocated utilities and improvements, immediately, to a condition equal to or better than they were prior to such damage or temporary relocation, all in accordance with requirements of the contract documents.
- 3.2 Protect all private and public property from damage due to its activities. If any damage does occur to public or private property as a result of the Contractor's operations, the Contractor shall be responsible for the repair of the property, to pre-construction conditions or better.
- 3.3 POTHOLING
- A. Non-designated Potholing: The Contractor shall perform exploratory excavations sufficiently ahead of construction for all known crossings, either shown on the plans, or marked on the pavement/ground/surface, so as to identify any

unforeseen conflicts with the proposed construction a sufficient time in advance of construction to avoid possible delays to the Contractor's work. The number of exploratory excavations required shall be that number which is sufficient to determine the alignment and grade of the utility. The cost of non-designated potholing shall be considered appurtenant to the bid items requiring such excavation. There will be no separate payment for non-designated potholing.

3.4 EXISTING DRY AND WET UTILITIES

- A. General: The Contractor shall protect all above ground and underground dry and wet utilities and associated improvements that may be impaired during construction operations. Sanitary sewer facilities requiring modification as indicated in these contract documents, shall be protected at all times and/or Contractor provisions made for temporary controls, so as to allow full functionality of these systems at all times.
- B. Contractor shall be responsible for coordination and communication with all utility agencies during construction.
- C. Locations shown: The known existing buried utilities and pipelines are shown on the Drawings in their approximate location, and also may be marked in the field by the utility representatives. The Contractor shall exercise reasonable care in avoiding damage to all utilities and be held responsible for their repair if buried facilities so located are damaged.
- D. Services Assumed: When underground distribution mains are shown on the plans or marked by the utility companies, the Contractor shall assume that every property parcel will be served by a service connection of each type of facility. Not all laterals are shown in the drawings.
- E. Work by Utilities: During the course of the Contract, work may be performed by the utility companies, Marina Coast Water District, City of Marina, City of Seaside, or by the County of Monterey to inspect, operate, relocate, abandon or install facilities. The Contractor shall coordinate with the utility companies—and other agencies, as necessary—regarding such work. Such coordination shall be included within the Contract bid and there will be no separate payment therefor. Refer to Section 01 30 00 – Administrative Requirements.
- F. Utilities to be moved: Should it become necessary to move the property of any public utility or franchise holder, the Contractor shall notify the Engineer a sufficient time in advance for the necessary measures to be taken to prevent interruption of service.
- G. Right of Access: The right is reserved to the City of Marina, City of Seaside, the County of Monterey, and to the owners of public utilities and franchises to enter at any time upon any property owned by such entity; or upon any public street, alley, right-of-way, or easement for the purpose of making changes in their property made necessary by the work of this Contract.

- H. Approval of Repairs: All repairs to a damaged utility or improvement are subject to inspection and approval by an authorized representative of the utility or improvement owner before being concealed by backfill or other work.
- I. Maintaining Service: All pipelines, power, telephone, communication cable, gas, water, irrigation, sewer, and storm drain systems within the work area shall remain continuously in service during all the operations under the Contract, unless specifically shown otherwise in the Contract Documents, or unless other arrangements satisfactory to the Engineer are made (by the Contractor) with the owner of said system.

3.5 RIGHTS-OF-WAY

- A. The Contractor shall not perform work within the right of way or easement of any agency without first obtaining approval from that agency.

3.6 EXISTING HARDSCAPE

- A. General: All surface concrete or other hardscape areas cut or damaged during construction shall be replaced with similar materials and of equal material and quality to match the existing adjacent undisturbed areas, except where specific resurfacing requirements have been called for in the Contract Documents. All such repairs and replacements shall conform to the requirements of the affected hardscape owner.
- B. Partial removal: All concrete and PCC pavement that is subject to partial removal shall be neatly saw cut in straight lines. The saw cut lines shall be extended to align with existing score lines or similar feature so as to provide a uniform appearance.

3.7 TREES WITHIN PROJECT LIMITS

- A. Contractor shall exercise all necessary precautions so as not to damage or destroy any trees or shrubs in the Project Area. Only trees designated for removal, shall be removed. All other trees shall be protected in place.
- B. The Engineer shall be contacted prior to any root pruning. Protection of trees and tree roots, including actions directed by the Engineer, shall be considered part of the defined Work and corresponding Bid Items, and no additional compensation shall be allowed therefore.
- C. Trees shall be protected from damage during construction. Root severing or pruning shall be avoided when possible. Tunneling under roots is preferred. Roots of 2 inch or larger diameter are considered major or significant roots.
- D. After grading or trenching to the required depth, any roots exposed should be cut with a saw and sealed with a recommended tree seal compound. Pruning roots in this manner will avoid any root damage by heavy equipment. Following removal of the soil in cut area, exposed roots shall be inspected by the County for

stability, smoothness of pruning cut and sealing. Any additional damage shall be repaired in the same manner, or in the manner specified by the Engineer.

- E. Whenever cuts are made in the ground near the roots of trees, appropriate measures shall be taken to prevent exposed soil from drying out. After these steps are taken, top pruning is essential. Compute approximate percent of size of roots, then green foliage should be pruned in an equal amount to the area cut in roots.
- F. Never sever more than one third of the large supporting roots during any root pruning operation. Make smooth clean cuts on large roots and apply recommended dressings to prevent decay of remaining portion of root. Prune equal foliage from the tree to compensate for root loss. If further root pruning is necessary, allow the tree one year to develop new fibrous roots and then proceed with the second root pruning and thinning operation. Timely pruning, during the growth season, will develop healthy fibrous roots and full compacted foliage. Torn or bruised roots shall be cut back to sound undamaged wood and a recommended wound dressing applied. Trimming roots back to lateral root junction will promote new growth of lateral roots resulting in a dense root system. Cuts shall be made flush with the junction or smaller lateral roots so that stubs or snags are not left to decay.
- G. If any tree during the course of, or as a result of construction operations is injured to extent of causing its permanent disfigurement or death within the one year guarantee period, it is agreed by the parties to this Contract that actual damage to the County will be impossible to determine, and in lieu thereof, Contractor shall pay to County as fixed, agreed, one calendar day's Liquidated Damages (\$1,000) for each tree so injured.
- H. Tree Trimming:
 - 1. Trim trees only to the extent required for construction, equipment and personnel access, and as directed by Engineer.
 - 2. Properly remove and dispose of trimmings.

3.8 EXCAVATION NOTIFICATION

- A. Notify Prior to Excavation: Prior to any excavation the Contractor shall notify the respective authorities representing the owners or agencies responsible for such facilities not less than 3 working days nor more than 7 calendar days prior to excavation so that a representative of said owners or agencies can be present during such work if they so desire.
- B. Call USA: The Contractor shall also notify Underground Service Alert (USA) **at 811** at least 2 working days, but no more than 14 calendar days, prior to such excavation. If a utility owner is not equipped to locate its utility, the Contractor shall locate it.

3.9 CONSTRUCTION PHOTOGRAPHS AND VIDEOS

- A. Provide pre-construction, construction progress, and post-construction photographs and videos as part of the Work. Photographs shall be taken with a minimum 5-megapixel digital camera, and all photos and videos shall be provided to Owner on CDs, thumb drives, or an agreed upon cloud-based storage. Photos shall be arranged in folders on the CDs, thumb drives, or cloud-based storage by date taken and clearly identified by location of Work. Provide further cataloging of photographs as required to clearly identify subject matter, if not self-evident on the photograph (such as utility identification).
- B. Pre-Construction Photographs and Videos. Arrange a meeting time with the Owner, the County, and Engineer, minimum 2 working days prior to taking photographs and videos, to allow Owner, County, and Engineer the opportunity to accompany Contractor on the pre-construction photograph session. Provide pre-construction photographs during this walk-through of the existing project site conditions at locations directed by Owner and Engineer. Submit the pre-construction photographs and videos within 10 working days following the date photographs are taken. Include at a minimum, the following:
1. Photographs, videos, and documentation of condition of all existing improvements in the areas of Work, including laydown areas to be utilized by Contractor.
 2. Exterior and interior conditions of all sanitary sewer lift stations identified in the Plans.
 3. Existing condition of all storm drain, sewer utilities, water utilities, gas mains and other utilities in and around the areas of Work.
 4. Condition of all haul routes.
- C. Post-Construction Photographs and Videos. Provide same coverage as required in Para. 3.10.B. Arrange a meeting time with the Owner, the County, and Engineer, minimum 2 working days prior to taking photographs, to allow Owner, County, and Engineer the opportunity to accompany Contractor on the post-construction photograph session. Submit final photographs as part of close-out submittals specified in Section 01 70 00.
- D. Progress Photographs. Provide photographs and videos of the progress of the Work, to be provided to the Owner throughout progress of the Work. Progress photographs shall be taken on a weekly basis, at a minimum. Progress photographs and videos shall consist of, at a minimum:
1. Locations where Work occurred during period since last photographs were submitted.
 2. Erosion, sediment, and/or stormwater control measures provided as part of the Work.
 3. Existing facilities to remain, new facilities to be constructed.
 4. Staging and construction haul routes.

3.10 SEWER BYPASSING

- A. Contractor shall submit to Owner, at least 14 days prior to the commencement of Work, a Sewer Bypass Plan identifying the following information:
 - 1. All proposed equipment, labor, and other items necessary to render complete the bypassing of the sanitary sewer facilities shown in the Plans and per the requirements of Section 33 31 20 and any other Sections and Divisions of these Specifications.
- B. Refer to Section 33 31 20 for sewer bypass system requirements.

3.11 CONCRETE RESURFACING AND REHABILITATION

- A. Contractor shall resurface poor or deteriorated interior concrete surfaces of the lift station, where needed, prior to applying the new lining system if the lining system manufacturer's recommended surface preparation is not adequate enough to ensure proper lining adhesion or installation.
- B. Concrete resurfacing shall be performed using epoxy grout in compliance with the following requirements:
 - 1. Materials:
 - a. Well-graded, bagged, kiln-dried silica sand.
 - 1) Grading: 100% of sand mix shall pass No. 8 sieve.
 - b. Epoxy and epoxy bounding compound shall comply with the applicable requirements of MCWD Standard Specification 03300, Concrete.
 - 2. Execution:
 - a. Epoxy grout shall wet the contact surface and provide proper adhesion when installed, or a coat of manufacturer recommended epoxy bonding compound shall be applied prior to placing the epoxy grout.
 - b. Epoxy grout shall be finished using a hard steel trowel

END OF SECTION