

CARPINTERIA VALLEY WATER DISTRICT

Addendum No. 1

TO PROSPECTIVE BIDDERS

POTHOLING SERVICES FOR THE CARPINTERIA ADVANCED PURIFICATION PROJECT

October 6, 2023

Notice is hereby given that the Contract Documents for the *POTHOLING SERVICES FOR THE CARPINTERIA ADVANCED PURIFICATION PROJECT* are amended as hereinafter set forth.

SPECIAL PROVISIONS - TECHNICAL:

ITEM NO. 1

Modify Section 1000 – Underground Utility Investigation Part 2.1.A Cement Sand Slurry for Backfill as follows:

- A. Cement sand slurry for backfill in paved areas shall be slurry cement backfill is to conform to Section 201-6, “Controlled Low Strength Material (CSLM),” of the Standard Specifications for Public Works Construction (Standard Specifications). The class of concrete for slurry cement backfill is ~~400-E-100~~ **188-E-100 (2-sack Slurry)**.

ITEM NO. 2

Delete Section 1000 – Underground Utility Investigation Part 2.2 Asphalt Concrete and Part 2.3 Prime and Tack Code in their entirety.

ITEM NO. 3

Add Section 1000 – Underground Utility Investigation Part 2.2 Non-Shrink Grout

- B. Non-shrink grout for final pavement is to conform to Section 201-7 “Non-masonry Grout” of the Standard Specifications for Public Works Construction (Standard Specifications). Grout shall be quick-setting and have a compressive strength of not less than 3,000 lbs. within 1-hour of final set.

ITEM NO. 4

Modify Section 1000 – Underground Utility Investigation Part 3.3.B Pavement Restoration as follows:

- C. Clean area in preparations for application of ~~hot mix asphalt~~ **non-shrink grout**. Remove any loose fragments and debris from the area providing a solid base. ~~Square up the pothole sides and extend at least 1-ft beyond the limit of the potholed area to tie into existing pavement.~~ **Edges of existing surfaces must be clean, sound, and free from any materials that may inhibit bond.**

ITEM NO. 5

Delete Section 1000 – Underground Utility Investigation Part 3.3 Pavement Restoration subparts C through F in their entirety.

ITEM NO. 6

Add Section 1000 – Underground Utility Investigation Part 3.3 Pavement Restoration subparts C through E.

- C. For pothole locations within AC pavement, add black pigment to match color of existing AC pavement as practical.
- D. Prepare non-shrink grout in accordance with manufacturer’s instructions.
- E. Non-shrink grout shall be placed directly over CLSM slurry mix in a single lift. Thickness of non-shrink grout shall match existing thickness of asphalt concrete or concrete. Final elevation shall match existing surface. Material shall be broom finished.

Attachments

- 1. Revised Section 1000 – Underground Utility Investigation
- 2. Pothole Pavement Repair Detail.

This Addendum No. 1 shall be attached to and form a part of the contract documents. The receipt of and examination of the addendum, as part of the contract documents, shall be acknowledged by the bidder below:

Name of Firm: _____

Representative: _____

Title: _____

Signature: _____

Date: _____

SECTION 1000 – UNDERGROUND UTILITY INVESTIGATION

PART 1 - GENERAL

1.1 SUMMARY

- A. This specification covers the requirements for vacuum excavation, locating and documenting existing utilities, backfilling, and repair of the asphalt or concrete pavement for underground exploratory potholing.

1.2 REQUIREMENTS

- A. Contractor must prepare a traffic control plan and obtain an encroachment permit from the City of Carpinteria (City) prior to beginning Work. Work performed within the City right-of-way shall be performed in accordance with requirements and provisions of the encroachment permit issued by the City and Section 900-5 of the General Conditions. Where there is a conflict between these Specifications and those of the City, the City's provisions shall take precedence.

1.3 QUALITY ASSURANCE

- A. Perform Work in accordance with the 2018 Standard Specifications for Public Works Construction "The Greenbook".

1.4 SUBMITTALS

- A. 1- Sack Slurry materials shall be submitted for review and approval, including but not limited to supplier's name, ready-mix plant information, mix design, aggregate type and quality and general manufactures' data.
- B. Hot mix asphalt design data including but not limited to, aggregate gradation, performance grade oil type etc.
- C. Completed Pothole Information Forms documenting the general location, thickness of the existing pavement, utility type, pipe size and material, utility owner, depth to top of utility or encasement, cross sectional layout of utility, and picture of located utility. All above information shall be provided to the CVWD and pertinent information linked to a specific survey nail marker

PART 2 - PRODUCTS

2.1 CEMENT SAND SLURRY FOR BACKFILL

- A. Cement sand slurry for backfill in paved areas shall be slurry cement backfill is to conform to Section 201-6, "Controlled Low Strength Material (CSLM)," of the Standard Specifications for Public Works Construction (Standard Specifications). The class of concrete for slurry cement backfill is ~~400-E-100~~ **188-E-100 (2-sack Slurry)**.

2.2 NON-SHRINK GROUT

- A. **Non-shrink grout for final pavement is to conform to Section 201-7 “Non-masonry Grout” of the Standard Specifications for Public Works Construction (Standard Specifications). Grout shall be quick-setting and have a compressive strength of not less than 3,000 lbs. within 1-hour of final set.**

~~2.2 ASPHALT CONCRETE~~

- ~~A. Asphalt Concrete: Asphalt concrete materials are to conform to Section 203-6, “Asphalt Concrete,” of the Standard Specifications. Combined aggregate gradation is to be C2 (Dense Medium). Asphalt binder material to be mixed with aggregate is to be PG 64-10 paving asphalt conforming to Section 203-1, “Paving Asphalt,” of the Standard Specifications. Percentage of asphalt binder for the combined aggregate gradation is to conform to Section 203-6.4.4, “Composition and Grading,” of the Standard Specifications.~~

~~2.3 PRIME AND TACK COAT~~

- ~~A. Tack Coat: Prime coat material to be applied on aggregate base surfaces shall conform to Section 302-5.3, “Prime Coat,” of the Standard Specifications. Tack coat material to be applied on existing pavement surfaces shall conform to Section 302-5.4, “Tack Coat,” of the Standard Specifications.~~

PART 3 - EXECUTION

3.1 POTHOLE EXCAVATION

- A. Conform to the excavation requirements listed in this section.
- B. Coordinate with appropriate utility owners to determine whether utility staff shall be present onsite during excavation. Coordinate appropriate excavation methods with each utility.
- C. Pothole to be accomplished through the use of vacuum excavation only, unless otherwise specified by specific utilities.
- D. Locate utility 1-foot deeper than anticipated and 2 feet to the left and right of the marked utility. If utility cannot be found, stop excavation and contact the appropriate utility owner for consultation and remarking.
- E. All spoils from vacuum excavation shall be disposed of off-site. No water shall be allowed to flow into storm drains or natural drainage courses.
- F. Contractor shall be solely and directly responsible to the providers of such utilities and services for any damage, expense, loss, inconvenience, delay, suits, actions, or claims, which may result from the construction operations.
- G. In the event of interruption to utility services as a result of accidental breakage due to construction operations, Contractor shall promptly notify the utility and CVWD. Contractor shall cooperate with said provider in the restoration of service as promptly as possible and bear all costs of repair.

3.2 CEMENT SAND SLURRY BACKFILL

- A. Place sand-cement slurry backfill in a uniform manner that will prevent voids in or segregation of the material. Remove foreign material that falls into the excavation or trench. No materials shall be placed over the slurry cement backfill for minimum of four hours after placing the sand-cement slurry.

3.3 PAVEMENT RESTORATION

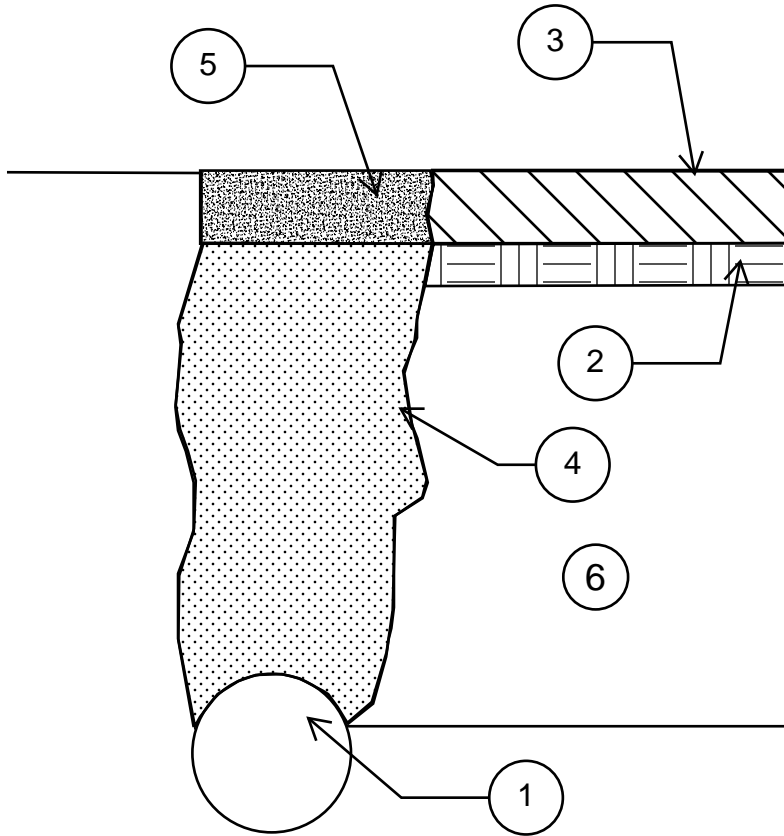
- A. Pavement restoration shall be in accordance with the provisions of the encroachment permit.
- B. Clean area in preparations for application of ~~hot-mix asphalt~~ **non-shrink grout**. Remove any loose fragments and debris from the area providing a solid base. ~~Square up the pothole sides and extend at least 1-ft beyond the limit of the potholed area to tie into existing pavement.~~ **Edges of existing surfaces must be clean, sound, and free from any materials that may inhibit bond.**
- C. **For pothole locations within AC pavement, add black pigment to match color of existing AC pavement as practical.**
- D. **Prepare non-shrink grout in accordance with manufacturer's instructions.**
- E. **Non-shrink grout shall be placed directly over CLSM slurry mix in a single lift. Thickness of non-shrink grout shall match existing thickness of asphalt concrete or concrete. Final elevation shall match existing surface. Material shall be broom finished.**
- ~~G. The City construction standard for asphalt concrete pavement replacement is Case I of Standard Plan 133 as provided in Attachment A. Case I is a full depth asphalt concrete pavement replacement.~~
- ~~D. For concrete pavement replacement, a copy of the attached Standard Plan 132 is to be used. Further, concrete materials are to conform to Section 201, "Concrete, Mortar, and Related Materials," of the Standard Specifications.~~
- ~~E. Apply tack coat to all vertical surfaces of existing pavement; to curbs, gutters, and construction joints against which asphalt concrete will be placed; to pavements to be surfaced; and where specified at the approximate rate of 0.05 gallons per square yard. Application shall be in accordance with Section 302-5 of SSPWC.~~
- ~~F. Compact using a vibratory plate compactor or a single-drum vibratory roller. Final elevation shall match existing surface. The asphalt should be compacted in lifts no more than 3 in. thick.~~

3.4 DOCUMENTING UTILITY LOCATION

- A. Each pothole location shall be marked, identifying the horizontal alignment of the utility, with a survey nail over the potholed location with a unique identifier.
- B. Use pothole information form found in Attachment C to document required information for each buried utility found.

END OF SECTION

POTHOLE PAVEMENT REPAIR DETAIL



CONSTRUCTION NOTES

- ① LOCATED UTILITY
- ② EXISTING AGGRGATE BASE (IF PRESENT)
- ③ EXISTING ASPHALT CONCRETE (THICKNESS MAY VARY)
- ④ 2-SACK CEMENT SLURRY BACKFILL
- ⑤ RAPID SET HIGH STRENGTH GROUT WITH ADDED BLACK COLOR WITHIN AC PAVEMENT AREAS
- ⑥ NATIVE MATERIAL