

**CALAVERAS COUNTY WATER DISTRICT  
JENNY LIND WATER SYSTEM  
SERVICE LINE REPLACEMENT PROJECT, CIP #11066G  
(KIRBY ST., GABOR ST. & GARNER PL.)**

**ADDENDUM #1**

**Issued: Friday, August 23, 2019**

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\*\*\*\* Receipt of addenda must be acknowledged by Bidders on the BID FORM, Section 00410, Page 410-1; failure to acknowledge receipt may cause rejection of bid. \*\*\*\*

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**Bid Date (No Change):** There is no change to the bid opening date. Bids will be accepted at office of the Calaveras County Water District at 120 Toma Ct., San Andreas, CA 95249 no later than 1:00 PM local time on Thursday, August 29, 2019, at which time all bids received will be publically opened and read aloud.

**PART A. REVISIONS TO PROJECT MANUAL / SPECIFICATIONS**

1. Section 00410, Use updated bid form (attached below); check/note updated quantities.
2. Section 00410, Bid Item #3, Add: A copy of the preliminary encroachment permit issued by the County has been provided (Attachment 'A'); all inspection fees paid by District.
3. For Bid Item #4, Add: The Contractor is to prepare and submit their erosion and sediment control plan (ESCP) to the County for approval (per Attachment 'B').
4. Bid Item #5, delete and update description as follows:

**BID ITEM NO.5 – POTHOLING / EXISTING UTILITY VERIFICATION**

*The District has not confirmed the locations of existing underground utilities (water, gas, telephone, fiber) within the project area and is requiring the Contractor to do so to avoid conflicts with trenches and excavations. After marking for USA North 811, the Contractor within trenches and excavations will need to pothole and/or hand dig to positively identify the location of all existing underground/buried utilities according to those utility marks resulting from the USA North 811 notification. Also, for each existing tap location on the existing water main and for ordering/sourcing necessary materials, the Contractor must field verify the existing pipe outside diameter and existing installation conditions, either Type "A" tap on the pipe barrel or Type "B" tap on a pipe joint, coupling. To minimize disturbance to community roads, the project and any initial potholing is to be divided into three (3) separate phases and scheduled when initiating and completing work in each of the three (3) roads (Kirby, Gabor and Garner). Measurement and payment for this item shall be a fixed unit price for each water service lateral, trench/excavation (a total of approximately 85 water service laterals/trenches).*

5. For Bid Items #6A, 6B, 7A, and 7B, revise: The Contractor is NOT required to furnish or install new meter boxes and/or new meter box covers. On a case by case basis, the District may issue extra work for Contractor to replace any damaged meter boxes and/or covers.

6. For Bid Items #6A and 6B, Add: The District does not know the exact quantities of Type 'A' tap on pipe barrel versus Type 'B' tap on pipe joint/coupling and these quantities must be field verified by the Contractor during construction. Using actual quantities of Type 'A' and Type 'B' and corresponding unit prices provided in the original bid, the total contract amount will then be adjusted accordingly.
7. For Bid Items #7A and 7B, Add: The District does not know the exact quantities of Type 'A' tap on pipe barrel versus Type 'B' tap on pipe joint/coupling and these quantities must be field verified by the Contractor during construction. Using actual quantities of Type 'A' and Type 'B' and corresponding unit prices provided in the original bid, the total contract amount will then be adjusted accordingly.
8. For Bid Item #8, a quantity for hot mix asphalt has been provided as 110 TONS in the bid form; also, revise the following sentences in its description as follows:

*... For pavement less than ~~5-inches~~ 4-inches thick, the Contractor is required to remove all existing pavement within the T-Section. For pavement ~~5-inches~~ 4-inches thick or greater, the Contractor is required to mill and grind out the T-Section within the existing paving surface to a depth of 2" to receive a 2" overlay. ....*

9. On Section 02770, pg.2, update paragraphs 3.3 A. and B. as follows:

*A. Saw-cut all edges of pavement to be removed to be square with clean lines relative to trench T-section and excavation limits. When existing pavement thickness is less than 4-inches, saw-cut and remove all pavement to 12-inches past each edge of the trench to form the required trench T-Section and saw-cut and remove pavement to 12-inches past all edges of other excavations. Edges of trenches which are broken or damaged shall be removed and neatly trimmed back to stable and undisturbed base and surface materials. During saw cutting all water and slurry waste must be immediately vacuumed from the ground surface and not be allowed to flow off pavement or into ditches, curbs or drains. The existing pavement shall be saw-cut and removed to a minimum of 12-inches past the limits of the excavation in all directions.*

*B. When existing paving thickness is 4-inches or greater, grind out asphalt T-section to 2" depth and 12-inches pass each edge of the trench and 12-inches past all sides of other excavations, grind out all pavement transitions between new and existing pavement, and grind out other areas as required by encroachment with Public Works and/or Caltrans. If greater than 2/3 of the road width is impacted by the pavement repair, grid out the remaining portion of the road to the full width of the road from edge to edge.*

## **PART B. DRAWINGS**

1. For Standard Details W07F and W07G, clarifications: Item 8, Hymax 2 wide-range coupling or equal couplings must be furnished fusion epoxy lined and coated with either stainless steel or Xylan blue coated nuts and bolts. Service saddle, coupling and corp. stop are to be wrapped in AWWA polyethylene encasement.

## **PART C. BIDDER'S QUESTIONS / REQUESTS FOR INFORMATION**

1. The following questions (Q) and answers (A) are in reply to questions asked by prospective bidders at the pre-bid meeting or received from prospective bidders to date.

**Q1:** Please list existing utilities on the plans (gas/fiber/telephone).

**A1:** See Attachment 'C' for natural gas utility maps. The District has been unable to otherwise obtain further information regarding Calaveras Telephone utilities.

**Q2:** What is the existing water line depth?

**A2:** The existing water lines should be under 4 to 5-ft in depth. The only exception is at the east end of Kirby St. as it approaches Baldwin St., the water main depth increase to 10 to 12-ft deep.

**Q3:** What is the width of the asphalt patch required?

**A3:** A T-Section is required on all trenches and must be 12-inches past the edge of the trench in both directions, so a 12-inch wide trench would require a T-Section of 36-inch in overall width.

**Q4:** How do we dispose of the excess soil/trench spoil, asbestos pipe waste, and asphalt waste?

**A4:** The District has a site in San Andreas that it could accept clean trench spoil/dirt. The Contractor must remove and dispose of all asphalt waste to a landfill or recycling facility. Asbestos pipe waste to be double bagged, hauled by Contractor and disposed of at an approved facility; temporary storage can be provided until sufficient material is generated for hauling and disposal. Check with County's Rock Creek Landfill, which materials they will accept.

**Q5:** Will backfill compaction tests be done?

**A5:** The District will retain a geotechnical firm to perform compaction density tests.

**Q6:** How soon do we plan on starting?

**A6:** Start beginning of October, if stopped due to winter, get going as soon as possible after weather improves to get the job done as quickly as possible. Unfortunately, this is a month before stop making hot mix AC and hot mix AC will not be available in the winter months; Contractor will have to maintain cold patch in good condition if working through winter months.

**Q7:** What about flagging for traffic control?

**A7:** Provide flagging as necessary. Gabor definitely needs both signs and flaggers due to dangerous hills and curves causing limited line of sight for traffic. Kirby and Gabor might be able to just use signs and other traffic control devices without flaggers at all times.

**Q8:** How will shut downs work?

**A8:** The District staff will open/close water main valves for shut downs. Shut downs are to be coordinated with District and customers notified at least 48-hrs in advance. No customers can be out of service for more than 8-hrs and then service must be restored. Shutdowns are preferred on Monday through Friday starting mid-morning and are not allowed on weekends or holidays.

**END**

**BID SCHEDULE**  
*Jenny Lind Water System*  
*Water Service Line Replacement Project*  
*CIP #11066G*

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QTY</u>	<u>UNIT PRICE</u>	<u>BID AMOUNT</u>
1	MOBILIZATION / DEMOBILIZATION	LUMP SUM	1	-	\$ _____
2	SHEETING, SHORING & BRACING	LUMP SUM	1	-	\$ _____
3	ENCROACHMENT/TRAFFIC CONTROLS	LUMP SUM	1	-	\$ _____
4	STORMWATER POLLUTION PREVENTION AND BEST MANAGEMENT PRACTICES (BMPs):	LUMP SUM	1	-	\$ _____
5	POTHOLING / EXISTING UTILITY VERIFICATION ( <i>PER EACH SERVICE LATERAL TRENCH</i> )	EACH	85	\$ _____	\$ _____
6A	1-1/2" X 1" DUAL WATER SERVICE REPLACEMENT DETAIL W07F / TYPE 'A' (ON PIPE BARREL)	EACH	40	\$ _____	\$ _____
6B	1-1/2" X 1" DUAL WATER SERVICE REPLACEMENT DETAIL W07F / TYPE 'B' (AT PIPE COUPLING)	EACH	30	\$ _____	\$ _____
7A	1" WATER SERVICE REPLACEMENT DETAIL W07G / TYPE 'A' (ON PIPE BARREL)	EACH	8	\$ _____	\$ _____
7B	1" WATER SERVICE REPLACEMENT DETAIL W07G / TYPE 'B' (AT PIPE COUPLING)	EACH	7	\$ _____	\$ _____
8	HOT MIX ASPHALTIC CONCRETE PATCH PAVING	TONS	110	\$ _____	\$ _____
<b>TOTAL BID AMOUNT ALL ITEMS (NUMERICAL)</b>				\$ _____	

**TOTAL BID AMOUNT (WRITTEN):**

\_\_\_\_\_ **DOLLARS**



# COUNTY OF CALAVERAS

## DEPARTMENT OF PUBLIC WORKS

### PRELIMINARY ENCROACHMENT PERMIT

Application Date: 08/02/2019

Utility: CCWD

26-UE-19

Road Name: Kirby, Garner, Gabor

**Prior to Permit Issuance** (Items required are marked with "x")

- \_\_\_  The submitted plans need the following changes:
- - \_\_\_  Provide traffic control plan in accordance with Calaveras County Code and CMUTCD.
  - \_\_\_  Provide evidence of Caltrans approval of signage for Hwy \_\_\_\_\_.
  - \_\_\_  Prepare and submit an Engineers Estimate for the cost of work to restore County right of way.
  - \_\_\_  Post \$ \_\_\_\_\_ Performance Bond (Based on 138% of Engineers Estimate).
  - \_\_\_  Post **\$500** Inspection Fee Deposit **2100-0018** (*invoicing will begin after inspection fee deposit has been extinguished*).
  - \_\_\_  Pay \$500 License Agreement Fee for \_\_\_\_\_ in right of way.
  - \_\_\_  Provide evidence of \$1 Million Liability Insurance with Calaveras County as Additional Insured for work in right of way.
  - \_\_\_  Provide Erosion and Sediment Control Plan Worksheet (ESCP)
  - \_\_\_  Sign and date Page 2 of the Preliminary Encroachment Permit

\_\_\_ *Staff initial items when complete, \*NA when not applicable*

Upon issuance of an Encroachment Permit, permission to encroach will be granted to permittee and their designated contractor to perform the work specified in the application subject to the terms and conditions set forth in the application, the Utility Encroachment General Conditions and the following:

1. Arrange for pre-construction meeting. Notify County 72 hours in advance of the meeting.
2. Notify USA 48 hours in advance of work.
3. Notify Public Works 48 hours in advance of work.
4. Where work impacts private driveway; notify resident seven (7) days in advance of work, and repair/replace any damage that occurs to the satisfaction of the Public Works Inspector.
5. Damage to the existing roadway asphalt concrete, drainage facilities, or any utility during construction to be repaired and/or replaced to the satisfaction of the Public Works Inspector.
6. The minimum cover over any utility facility shall be 36 inches.
7. Re-establish or repair fog line, center striping, crosswalks, stop bars, etc. as needed.



# COUNTY OF CALAVERAS

## DEPARTMENT OF PUBLIC WORKS

8. Trenches within 3 feet of pavement shall be backfilled at 95% RC, trenches beyond 3 feet from the pavement at 90% RC. Compaction tests must be taken at minimum 100-foot frequency, or as requested by the Public Works inspector. Test results submitted by a licensed geotechnical engineer are required as evidence of compliance.
9. Trenches within the County roadway shall have a 12 inch minimum T-trench section within the paved section of the roadway. If the edge of the T-trench is within 24 inches of the edge of the roadway that portion of pavement shall be removed and replaced as part of the T-trench.
10. Restore shoulders where work has occurred with 4 inches of Cl. 2 A.B. for a minimum width of 2 feet from edge of pavement.
11. Fire Hydrants shall conform to Calaveras County Code §8.10.52. The field locations must be to the satisfaction of the Public Works Inspector.
12. All projects must include the use of appropriately selected, correctly installed, and properly maintained Best Management Practices (BMPs) to minimize erosion and reduce the offsite discharge of sediment to the maximum extent practicable.

Permission to encroach in accordance with the Application for Encroachment Permit, the Preliminary Encroachment Permit, Permit Conditions, and the plans and specifications, is hereby granted with the understanding that the Permittee shall own, control, and maintain the subject encroachment. By signing below, Permittee agrees to comply with all Permit Conditions and applicable codes and acknowledges his understanding that consistent with the provisions of Streets and Highways Code Section 1463 and County Code Section 12.08.320, the Permittee shall relocate or remove the encroachment at his sole expense, as necessary to accommodate any future construction, reconstruction or maintenance work on a public right-of-way.

The undersigned agrees to perform all work in accordance with the rules and regulations as set forth by Chapter 12.08 of the Calaveras County Code. Section 12.08.120 states, "the applicant shall at all times comply with and shall cause all his agents and employees to comply with all such laws, ordinances, regulations, decisions, court and similar authoritative orders; and shall protect and indemnify the County and all of its officers, agents and employees against any claims of liability proximately caused by the violation of any such law, ordinance, regulations or order issued under police power and in accordance with law, whether by himself or by his agents or employees."

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Permittee:

Date



# COUNTY OF CALAVERAS

## DEPARTMENT OF PUBLIC WORKS

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### UTILITY ENCROACHMENT PERMIT 26-UE-19

Issue Date \_\_\_\_\_

Expiration Date \_\_\_\_\_

Permission to encroach in accordance with the Application for Encroachment Permit, the Preliminary Encroachment Permit, and the plans and specifications, is hereby granted.

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Permit issued by:

Date

*Staff sign*

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Permit Finaled by:

Date

*Staff sign*

As specified in the Utility Encroachment General Conditions, a one-year Guarantee Bond shall be submitted once work is complete as a condition of the release of the performance bond. The bond shall be 10% of the Engineers Estimate for the cost of work to restore County right of way.

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Guarantee Bond Received by:

Date

*Staff sign*

# County of Calaveras

Erosion and Sediment Control Plan (ESCP)  
Worksheet for Small Construction Projects



Project Name/APN: \_\_\_\_\_

Date: \_\_\_\_\_



### ***What is this document for?***

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The County's Phase II MS4 NPDES General Permit issued by the State Water Board to the County, requires the County to develop and maintain a program to assure that sediment and other pollutants from construction activities do not flow into the County's storm water drainage system and, subsequently, impact local receiving waters. The County's Permit requires the County to require the owner of any construction project having soil disturbance to submit an Erosion and Sediment Control Plan (ESCP). The ESCP must identify potential sources of erosion and sedimentation associated with the project and identify the control measures (best management practices or BMPs) used to prevent erosion and control sedimentation within the project. This document is a worksheet to assist owners of small projects to determine appropriate control measures for their project.

### ***Who is required to complete this document?***

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All construction projects that have soil disturbance and pass through plan check or the County's permitting process must develop an ESCP. Projects having more than 1 acre of soil disturbance or those projects that are part of a larger common plan may be required to comply with the State Water Board's Construction General Permit (CGP), which requires the development of a Storm Water Pollution Prevention Plan (SWPPP). For these larger projects, the CGP-required SWPPP may be submitted in lieu of the ESCP. For all other projects (small projects) having less than 1 acre of soil disturbance or those that qualify for a waiver or exemption from the CGP, they must submit an ESCP using this worksheet.

### ***What is required in this document?***

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This worksheet requires basic project and contact information, as well as, basic site information including location, status, approximate start and end dates and the area of soil disturbance.

The Best Management Practices (BMPs) that will be used during construction are also required to be identified.

A basic site map showing the project boundaries, adjacent streets, storm drain inlets, placement of BMPs, and where construction work will be occurring is required to be included.

**BMPs, as defined on the US Environmental Protection Agency's (EPA) website, is "a term used to describe a type of water pollution control. Storm water BMPs are techniques, measures or structural controls used to manage the quantity and improve the quality of storm water runoff. The goal is to reduce or eliminate the contaminants collected by storm water as it moves into streams and rivers."**

**For more details on BMPs please visit the California Storm Water Quality Association's website at:**

**[www.casqa.org/resources/bmp-handbooks](http://www.casqa.org/resources/bmp-handbooks)**

**or Caltrans's website at:**

**[www.dot.ca.gov/hq/construc/stormwater/manuals.htm](http://www.dot.ca.gov/hq/construc/stormwater/manuals.htm)**

**1 Project Information**

<b>Project Name:</b>	
<b>Project Address:</b>	
<b>Project Size: (Indicate sq. ft. or acres)</b>	
<b>Anticipated Construction Start Date:</b>	
<b>Anticipated Construction End Date:</b>	
<b>Approximate Soil Disturbance: (Indicate sq. ft or acres)</b>	
<b>Number of Storm Drain Inlets within 50 ft. of the soil disturbance.</b>	

**2 Owner Information**

<b>Name:</b>	
<b>Address:</b>	
<b>Phone Number:</b>	
<b>Email:</b>	

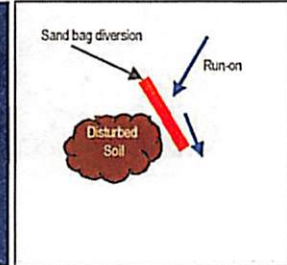
**3 Contractor Information**

<b>Name:</b>	
<b>Company Name:</b>	
<b>Address:</b>	
<b>Phone Number:</b>	
<b>Email:</b>	

## 4 Best Management Practices

### 4.1 Run-On Control BMPs

When surface flow of storm water runoff is allowed to pass through disturbed soils at an active construction project it can mobilize sediment and carry it into the municipality's storm drainage system and into the local receiving waters. This results in deposition of sediment in the municipal drainage system which causes more frequent maintenance and can cause flooding. The sediment is also harmful to the local waterways.



Does storm water have the potential to run-on to the construction site?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, will storm water surface flow be diverted around any disturbed soil areas? Show how it will be diverted on the site map.	<input type="checkbox"/> Yes <input type="checkbox"/> No

### 4.2 Erosion Control BMPs

The definition of erosion is the detachment of soil particles. These particles can become detached by rain, wind, or construction activity. Although construction, by nature, disturbs soil. It is vital to place a temporary or permanent covering over disturbed soil as soon as possible. Projects are not allowed to leave areas of exposed soil that do not have a cover. On the table below and on the site map show how you will prevent erosion at your project.

CASQA Fact Sheet	BMP Name	BMP Selected? (Check Box)	Describe the BMP to be implemented. If not used, state the reason why.
EC-1	Scheduling (work will be conducted during the dry season)		
EC-2	Preservation of Existing Vegetation (existing vegetated areas will not be disturbed)		
EC-4	Area to be vegetated with landscaping, turf, or hydroseeding		
EC-7	Temporary Erosion Control using an erosion control blanket or geotextile		
EC-6 & EC-8	Area covered with a temporary or permanent mulch including straw, wood, compost, hydromulch, or equivalent		
EC-16	Non-Vegetated Stabilization (covered with aggregate, paving, permanent structures / surfaces)		
WE-1	Wind Erosion Control (kept moist to prevent wind erosion)		

### 4.3 Temporary Sediment Control BMPs

Sediment control is accomplished by two ways. First, giving sediment every opportunity to settle out of storm water runoff while still on the project. Second, remove sediment from surfaces that has been carried or tracked off site before it enters the municipal drains. Each project must have effective perimeter sediment control. Drain inlets within 50 feet of the project must be protected. Any visible track out or sedimentation onto municipal property must be removed as soon as possible. On the table below and on the site map show how you will control sediment at your project.

CASQA Fact Sheet	BMP Name	BMP Selected? (Check Box)	Describe the BMP to be implemented. If not used, state the reason why.
SE-1	Temporary Silt Fence		
SE-2 or SE-3	Sediment basin or trap (all or some of the storm water drains to a retention pond or basin where sediment can settle out)		
SE-5	Temporary Fiber Rolls / Straw Wattles		
SE-6 or SE - 8	Temporary Gravel Bag Berm or Sand Bag Barrier		
SE-7	Street Sweeping (inspect roads and sidewalks daily and sweep as necessary)		
MS4 Standard	Curb cutback (maintain a minimum of 4 inches of elevation difference between the disturbed soil and the top of the existing curb, sidewalk, or paved surface)		
SE-10	Temporary Drain Inlet Protection (mandatory for any DI's within 50 feet of the project)		
SE-13	Compost Socks / Biofilter Bags		
MS4 Standard	Stabilized Construction Exit – Constructed with aggregate at the project owner's specification, but it must be effective in controlling trackout.		
TC-2	Stabilized Construction Roadways		
WM-03	Stockpile Management (stockpiles that have not been actively used in the last 14 days must be covered with an erosion control blanket or plastic sheeting and contained with a fiber roll or gravel bag berm)		

#### 4.4 Non-Storm Water Pollution Control BMPs

The County ordinances prohibit the discharge to its municipal drainage system of any wash water, unpermitted construction site dewatering, saw-cutting or grinding slurries, unpermitted hydrotest water, chlorinated swimming pool or fountain water, concrete or paint wash out, or spills of hazardous materials or other substances. On the table below, list any of the activities that may apply to your project; and on the site map show the location of these activities.

CASQA Fact Sheet	BMP Name	Activity Planned? (Yes/No)	Describe the BMP to be implemented. If not used, state the reason why.
NS-3	Paving, Sealing, Saw-cutting, Coring, and Grinding Operations		
NS-7	Potable Water / Irrigation Testing and Discharge to the Municipal Drainage System		
NS-8	Vehicle and Equipment Cleaning Performed on Site		
NS-9 & WM-04	Vehicle and Equipment Fueling Performed on Site		
NS-10	Vehicle and Equipment Maintenance Performed on Site		
NS-12/13 & WM-08	Concrete, Stucco, Plaster, Tile, or Masonry Work		
WM-09	Temporary Sanitary Waste Facilities (port-a-potties)		
WM-01	Storage of Hazardous Materials on the Project Site (paints, solvents, acids, fuel, lubricants, etc.)		

**5 Site Map (draw map below or attach another map)**

