
Meter Installation and Service Lateral Phase 3 Project RFP Addendum #1

Project Description:

RFP to provide the installation of approximately 4,750 service laterals including excavation, valve installation and abandonment, new piping, angle stops, meter boxes, backfill and surface restoration. In addition, this project includes the installation of approximately 3,150 meters and meter interface units, and 2,000 new or reconfigured backflow prevention assemblies and all related appurtenances to support the continued return of metered potable water service to the Paradise Irrigation District (PID, or DISTRICT). The project includes public notification of all scheduled work as it is conducted.

For:

Paradise Irrigation District
6332 Clark Rd
Paradise CA 95969

Proposals Due:

1:00 pm, Friday April 28, 2023

Addendum #1 contains the following:

1. Mandatory Prebid Meeting Agenda and Sign In Sheet
2. Project Questions and Answers through the Pre-bid Meeting
(*questions received after the Pre-bid meeting to be included in Addendum 2*)
3. Bid Tabulations from previous project phases (Service Lateral Replacement Project and Meter Installation and Service Lateral Replacement Phase 2)
4. Revisions to Specifications Sections 00080, 00500, 01110 – Clarification of the total number of backflows
5. Revisions to Specifications Section 01130 Special Project Constraints – Additional paving coordination requirements

APPROVED: _____



COLLEEN BOAK, PE
Project Engineer
colleenb@wwengineers.com

DATE ISSUED: April 7, 2023

Mandatory Prebid Meeting Agenda and Sign In Sheet

1. **Mandatory Prebid Meeting Agenda and Sign in Sheet** – See attached



Our water.
Our future.
Paradise Irrigation District

PARADISE IRRIGATION DISTRICT
METER INSTALLATION AND SERVICE LATERAL PHASE 3 PROJECT



WATERWORKS
ENGINEERS

MANDATORY PRE-BID MEETING SIGN IN SHEET

THURSDAY MARCH 30, 2023

NAME	COMPANY	PHONE	EMAIL
Don Giordani	Argonaut Constructors	(707) 542-3210	dgiordani@argonautconstructors.com
John Gettis	Trites Backflow	530 828 5438	Trites backflow@gmail.com
Hugo Gutierrez	Mechanics and Hesser	916 873 2690	SACESTIMATING@MECHANICSANDHESSE.COM
TOM GROVER	RANGER PIPELINES	415.827.3200	tomg@rangerpipelines.com
SPENCER MENDEZ	RCI GENERAL ENG.	(530) 682-0368	spencerm@rcige.com
Jaime Richter	RCI Gen ENG	(530) 693-0114	Jaker@rcige.com
CHRIS STURGEON	CRATZING ENGINEERS	916-956-0722	Csturgeon@OE3.ORG
Raymond Hernandez	Teichert	559-355-4562	Estimating@teichert.com
Angel Alvarez	Teichert	530-902-5531	Akhuarez@teichert.com
Luis De ANDA	teichert	916-224-8174	LDeanda@teichert.com
Peter Giordano	West Valley	530-229-4873	pgiordano@wvcc.com
TRISTAN KOTAR	WEST VALLEY CONST	209-639-1107	tkotar@wvcc.com
Jeromy Trujillo	Spiniello Infrastructure ^{west}	619-212-3554	estimating@spiniellowest.com
KIRK KOSLIN	STEVE P. RADOS, INC	(916) 475-1654	NCBIDS@RADOS.COM

Mike Randall	Walsh Const.	925-627-1774	mrandall@walshgroup.com
Dan Imlach	SnL Group Inc.	(530) 782-0002	dimplach@snlinc.com
ANKUR AGRWAL	FLATIRON	346-777-9723	anagrawal@Flatironcap.com
Ryan Summers	Marques General Eng.	916-997-4974 530-218-6066	Bids@mge-ca.com
Tom Wadden	Suket Construction	714-659-0504	estimating@suket.com
Deb Donaldson	Donaldson Equipment Services	530 591 5942	debkdndson@grail.com

Paradise Irrigation District – Meter Installation and Service Lateral Replacement Phase 3 Project

PREBID Meeting Agenda

Date:	Thursday, March 30, 2023	
Time:	10:00 AM	
Location:	Paradise Irrigation District Office – Board Room 6332 Clark Rd, Paradise, CA 95969	
Meeting:	Mandatory PREBID Meeting – Meter Installation and Service Lateral Replacement Project Phase 3 (MISLR 3) Project	
Representatives:	Paradise Irrigation District (PID) Blaine Allen, District Engineer Jeff Hill, Field Operations Superintendent Trent Flaherty, Field Supervisor Erica Freimuth, Recovery Project Coordinator	Water Works Engineers (WWE) Colleen Boak, PE Sami Kader, PE Steve Brands, Lead Inspector
Item No.	Description	
1.0	INTRODUCTION AND OVERVIEW <p>A. Meeting Purpose: <u>MANDATORY</u> PREBID MEETING FOR PARADISE IRRIGATION DISTRICT METER INSTALLATION AND SERVICE LATERAL REPLACEMENT PHASE 3 PROJECT – installation of approximately 4,750 service connections, 3,150 meters, and 2,000 backflow preventers with all related work items, fittings, etc to meet the scope outlined in the project documents. Work is to be conducted throughout the PID service area in support of the rebuilding and recovery efforts following the 2018 Camp Fire.</p> <p>B. Sign In Sheet – All must sign in with Company Name and Contact Information</p> <p>C. Introduction of PID and WWE staff</p>	
2.0	REQUEST FOR PROPOSALS <p>A. Project was published on March 20, 2023</p> <p>B. State Revolving Fund and FEMA Funding Requirements do apply</p> <p>C. DBE Requirements, Prevailing Wage, other administrative requirements outlined in the project front end documents.</p> <p>D. <u>Bids are due Friday, April 28, 2023 by 1pm</u></p> <p>E. Bid Documents are available through:</p> <ol style="list-style-type: none"> 1. PID website: https://pidwater.com/rfp 2. CIPList.com 3. local builders exchanges 4. WWE (Contact Colleen Boak colleenb@wwEngineers.com) 	

	<p>F. Content of the PREBID Meeting is meant to be helpful but does not supersede the Bid Documents. Bidders must rely on published Addenda for official answers to questions.</p> <p>G. All questions asked at the PREBID Meeting will be recorded and posted in an Addendum.</p>
3.0	<p>PROJECT OVERVIEW</p> <p>A. Replacement of 4,750 service laterals, 3,150 meters, and 2,000 backflow devices. Work will take place all throughout the District service area, according to need. Each site will get a specific assignment of tasks.</p> <p>B. 720 calendar day contract – target an average of 240 sites/month</p> <ol style="list-style-type: none"> 1. A prioritized list of addresses will be provided to the Contractor after NTP with work assignments for each address. 2. Work items may change at a given address. 3. Some addresses will be designated as Priority and must be completed within 4 weeks of notification. 4. District reserves the right to update the priority order of addresses and designate new addresses as Priority. 5. If there is any issue with a particular site that might cause a disruption in the order of locations, Contractor needs to communicate that to the Engineer at soon as it is known. <p>C. Progression of work:</p> <ol style="list-style-type: none"> 1. 2 crews working through the regular list of non-priority addresses – generally ordered in common locations, groupings. An exception to this will be the 500 backflow only locations 2. 1 crew working through Priority addresses – non-contiguous locations <p>A. Assigned addresses will be identified by the ENGINEER as requiring one or more of the following categories of work:</p> <ol style="list-style-type: none"> a) Service Lateral Installation b) Meter Box c) Meter/MIU Installation d) Backflow Preventer Assembly Installation or Reconfiguration e) Customer Tie In <p>B. Public Notification – Contractor will be responsible for making two rounds of public notifications</p> <p>C. Contractor will be responsible for staffing a District approved professional to evaluate each site prior to the start of work to determine termination location of the meter or future meter according to District-defined criteria. Some sites may require Engineer or District input and should be identified by the Contractor as such.</p> <p>D. Payment will be based upon each site’s specific conditions and installation.</p> <p>E. Meters, MIUs, and associated equipment will be purchased by the Contractor from Zenner USA and installed where assigned. Contractor personnel must be trained by Zenner USA personnel to install equipment according to manufacturer recommendations.</p>

	<p>F. Contractor shall use Mobile MMS software to collect installation data that interfaces with the District’s GIS mapping. Websoft Developers provides this software, pricing and contact information are available in the project documents.</p> <p>Documentation of work completed at each site will be highly important. Contractor shall be responsible for the minimum data collection outlined in the project document. This data will be turned over to PID for their use as well as provide support for progress payments.</p> <p>G. Biweekly progress meetings will be held to coordinate progress and discuss upcoming locations. Its expected that the Contractor’s leadership, public notification staff, and site assessment staff participate in these biweekly meetings.</p> <p>H. Development of a SWPPP is required for this project.</p> <p>I. Laydown/storage space will not be provided by PID – Contractor must make their own local arrangements.</p> <p>J. HOUSEKEEPING is a critical component of this project. Sites shall be left in as good or better condition as they were found. The residents of Paradise are still working through recovery from the 2018 Camp Fire and care must be taken to avoid negatively impacting their private property.</p> <p>K. Property markers should be protected in place where possible and must be replaced where they are removed.</p> <p>L. There will not be a job walk included as part of today’s meeting, but we do encourage you to drive around town and look at conditions and some of the other recovery-related activities currently taking place.</p>
<p>4.0</p>	<p>BID ITEMS/SCOPE</p> <p>Each site will have varying conditions. The following items are broken out in the bid form to address the variability of project work:</p> <p>GENERAL WORK ITEMS</p> <p>A. Project Mobilization and Demobilization</p> <ol style="list-style-type: none"> 1. This includes general Project mobilization and demobilization as well as mobilization to each assigned work location. <p>B. Project Traffic Control</p> <ol style="list-style-type: none"> 1. This will vary depending on the address. All must comply with all applicable safety regulations and MUTCD standards. 2. Where work zones include multiple sites along a roadway or in an area, there can be some efficiency of traffic control. There will also be individual locations for work which will require their own traffic control devices. 3. Coordinate as necessary with other recovery related activities happening in an area (debris removal, etc). 4. At no point may both lanes of a roadway be closed to traffic without an approved detour plan coordinated and reviewed by the Town of Paradise.

	<p>5. Traffic control and roadway conditions will be subject to an encroachment permit with the Town of Paradise and subject to regular inspection by Public Works staff.</p> <p>C. Storm Water Pollution Prevention Plan</p> <p>1. This project requires the development and implementation of a SWPPP.</p> <p>D. Public Notification</p> <p>1. Contractor shall be responsible for public notification at each assigned work site in two rounds</p> <p>2. Two week notice – phone/message contact as well as physical notice posted at the site. This contact shall inform the customer of the proposed week work will take place at their site and that an outage of water service will take place.</p> <p>3. 48-hour notice – phone/message contact as well as physical notice posted at the site. This contact shall inform the customer of the proposed date/time window work will take place at their site and that an outage of water service will take place.</p> <p>4. Contact information shall be provided by the District for each address</p> <p>5. Contractor shall maintain daily a log of notification activities available to the Engineer and District</p> <p>6. Wording of physical notices will be provided by the District. District reserves the right to update this content.</p> <p>7. Renotification to accommodate schedule changes shall be the responsibility of the Contractor.</p> <p><u>SITE SPECIFIC WORK ITEMS</u></p> <p>Contractor is responsible for field assessment, locating existing infrastructure, Underground Service Alert, and determining the meter location or future meter location for each site according to District criteria defined in the project documents.</p> <p>A. Service Lateral Installations</p> <p>2. Excavate Corporation Stop or Gate Valve – Potholing by hydraulic excavation. Care must be taken to avoid damage to pipes. Paid per unit.</p> <p>3. Hot Tap Saddle Connection or Tee – Existing corporation stops must be reused if they meet the District’s size and condition criteria in the project documents. If the corp cannot be reused, a hot tap will be installed. If the main is under 4 inches in size and a hot tap is not possible for the assigned size of service lateral, Contractor, Engineer and the District will coordinate a main shut down to install a tee or tees as needed.</p> <p>***All main valves shall be exercised by District staff***</p> <p>Paid per unit by size.</p>
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	<ol style="list-style-type: none"> 4. Abandon Existing Corporation Stop Valve and Lateral – If a new hot tap and service saddle are installed, the existing lateral and corporation stop must be abandoned. Exceptions for valves in very poor condition will be approved by the Engineer. Paid per unit. 5. Trenchless Installation of New HDPE Service Lateral – Install new HDPE service lateral piping by the trenchless method of “pulling” the new service lateral piping into place where conditions allow. Install the pipe in 1”, 1.5”, or 2” size as directed for each site. 6. Open Trench Installation of New HDPE Service Lateral - Install new HDPE service lateral pipe in 1”, 1.5”, or 2” size as directed for each site. <ul style="list-style-type: none"> • Service laterals will be installed as either singles or doubles which include a wye and two termination points for adjacent meters. • Work includes excavation, demolition as necessary, installation of pipe, tracer wire, angle stop, disinfection, and all necessary fittings and components. • Work includes shoring as may be required. • Work includes trench backfill with ENGINEER approved sand bedding and pipe zone fill, and asphalt base (AB) for the remainder. All backfill materials must be compacted according to specifications. • Contractor shall be responsible for ensuring the angle stop is installed per PID Standard Details and at the correct elevation, orientation, and location to allow for meter and backflow installation at every work site, regardless of whether the Contractor has been assigned the meter and backflow installation at that work site. Future meter and backflow locations shall be assumed to be the same as existing meter locations with allowable adjustments up to 3 linear feet in any direction without Engineer approval. CONTRACTOR shall consider DISTRICT criteria for placement of angle stop valves as it relates to future meter box, meter and backflow installations. 7. Asphalt Restoration - CONTRACTOR shall saw cut and repair or replace asphalt as necessary in accordance with Town of Paradise Standard Details included in the project documents. Arterial roadways in the Town of Paradise require two 3” lifts of asphalt, all other surface streets require a single 3” lift. 8. Asphalt Base (AB) Roadway Restoration - Contractor shall remove and replace gravel or asphalt base (AB) in unpaved roadways or driveways as necessary. 9. Concrete Restoration - Contractor shall saw cut and replace any concrete disturbed, damaged, or removed in order to facilitate the installation of service laterals, meters, or backflows. Concrete shall be
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	<p>replaced in accordance with the Town of Paradise Standard Details included in the Contract Documents.</p> <p>B. Install Meter Boxes - Install meter box in accordance with PID Standard Details with grade sloped to drain a minimum of 6" in all directions around the box and the angle stop at a relative depth and spacing allowing for proper installation of the meter within the box as well as proper function of the valve.</p> <p>C. Install Meter and Meter Interface Unit (MIU) - Install Meter, MIU, and all required valves, fittings, and components along with any related work necessary to meet the DISTRICT's Standard Details and manufacturer recommendations for the meter and MIU.</p> <ol style="list-style-type: none"> 1. Meter size shall be assigned for each address by the ENGINEER. 2. Contractor shall be responsible for the purchase of meters, MIUs, and related accessories from Zenner USA. Contractor staff must be trained by Zenner USA in the install of this equipment. Pricing for training and required handheld units for programming is included in the project documents. 3. Work includes demolition of existing meter boxes and/or meters and equipment as necessary. <p>D. Install Backflow Preventer Assembly</p> <ol style="list-style-type: none"> 1. Reconfigured Backflow Devices - For an estimated 600 of the 2000 sites a galvanized RP backflow assembly will be there (Interim Water Service device). These will be reconfigured in the field by the Contractor to match the District standard and reinstalled. Galvanized components will be salvaged and returned to the District. 2. New Backflow Devices – As an estimated 1400 sites Contractor shall install a new backflow preventer device according to the Standard Details. 3. Backflow Only Sites - At approximately 500 work sites the CONTRACTOR will be assigned the installation of only a backflow preventer assembly. These sites will already have a new Zenner PMF-type meter installed. 4. Backflow preventer device size for each site shall be assigned by the ENGINEER. 5. All backflows shall be tested after installation by a CA-NV AWWA certified tester. Test results shall be documented in the work record as well as on a blue tag attached to the device. 6. All backflows will receive a new frost bag. Frost bags already present on IWS devices which are still serviceable will be returned to the District. <p>E. Connect to Customer Plumbing</p>
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	<ol style="list-style-type: none"> 1. If a customer is tied into active water service before work begins, the Contractor shall reconnect to the customer's underground plumbing and reestablish active water service at the completion of work. 2. If a service has a bulleted angle stop when work begins, a bullet shall be reinstalled at the end of work. 3. In an estimated 2,000 locations the tie in will be to a customer's underground private side plumbing which will vary in configuration and material type. 4. In an estimated 150 cases, contractor will tie in to a customer-owned backflow device rather than a District or Contractor installed device. These sites will be identified by the Engineer. 5. In an estimated 500 cases, Contractor will install a backflow only, tying in to the existing meter and the customer side plumbing. 6. Some sites will not require a customer tie in. 7. Contractor will not be required to tie in to above grade plumbing or hoses. 8. Contractor may be required to make adjustments to customer plumbing or backflow placement to accommodate installations in accordance with District standard details. Scope of work defines assumptions for the magnitude of these adjustments. <p>F. Bollard Installation – Contractor shall install removable or permanent bollards where directed by the District in accordance with Standard Detail 2600A and shall include all labor, equipment and materials.</p> <p>OPTIONAL WORK ITEMS – the following are optional scope items with unit costs to be exercised at the DISTRICT's discretion. These are unit price items with no guaranteed quantity. These unit prices will not be included in the basis for award of the winning bid.</p> <p>A. Additional Pipe Installation – Customer Side Plumbing CONTRACTOR may be directed by the ENGINEER depending on site circumstances to install HDPE piping on the customer side of a meter/backflow assembly to connect to or reroute customer plumbing. This work shall include and necessary fittings as needed.</p> <p>B. Encased Pipe Installation CONTRACTOR may be directed by the ENGINEER to install encased piping between a meter and backflow assembly to a location designated by the ENGINEER or by the DISTRICT.</p> <p>C. Standby Time Contractor may be required to standby while site issues are resolved by the Engineer or District. District reserves the right to direct the Contractor to</p>
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	<p>move on. Standby time begins 60 minutes after the notification of an issue. Prompt notification of any issues preventing work to the Engineer is critical. This option shall only be exercised at the District's discretion, as represented by the Engineer.</p> <p>D. Remobilization</p> <p>Contractor may be required to leave a site and remobilize at another time to allow for response or resolution of a site issue by the Engineer or District. Prompt notification of any issues preventing work to the Engineer is critical. This option shall only be exercised at the District's discretion, as represented by the Engineer.</p>
5.0	<p>COMMUNICATION</p> <ul style="list-style-type: none"> A. Water Works Engineers (Colleen Boak, Stephen Brands) will be the primary point of contact for work planning, execution, contract matters on behalf of the District B. Water Works Engineers Inspectors will be full time on site, with input from PID Operations Staff C. All work shall be inspected prior to closeout or covering. Of particular importance will be connections at mains, tracer wire installation on laterals, meter and backflow installations and customer tie ins. D. GIS will be used heavily to plan, track, and assign work locations, work zones E. Termination points for service laterals (meter locations) shall be assessed and determined by the Contractor, according to District criteria. Notification of the need for Engineer or District support shall be timely. No work shall take place until direction is given. F. Contractor is responsible for obtaining meters, MIUs, and related equipment from Zenner USA, storing and installing the equipment in accordance with manufacturer recommendations. G. PID will be conducting general outreach to the community but the Contractor will be responsible for timely and accurate customer notifications.
6.0	<p>TARGET SCHEDULE</p> <ul style="list-style-type: none"> A. Sealed Bids for construction services for the Meter Installation and Service Lateral Replacement Phase 3 Project addressed to Paradise Irrigation District, 6332 Clark Road, Paradise, CA 95969 will be received until 1:00 p.m., local time, on Friday, April 28, 2023. Any Bids received after the specified time will not be considered. Bids will then be publicly opened and read at 6332 Clark Road. B. PID Board Approval – May 2023 C. Notice to Proceed – June 2023 D. Beginning of Services – July 2023 E. Project Completion – July 2025

7.0

QUESTIONS?

Project Questions and Answers

1. What is the Engineer's Estimate?

The Engineer's Estimate is \$54,000,000.

2. Are there any plans available for this project?

The project documents can be found at: <https://www.pidwater.com/rfp>.

3. Is there a geotechnical report for the project?

No geotechnical report for this project.

4. Is there a location map showing where the work area?

The project documents describe that the work will take place at various locations throughout the District's service area, as assigned by the Engineer. There is not a location map included in the project documents for this reason.

5. Reference 01010-2, paragraph 1.1B specifies 5250 site specific locations and 01010 1.3 Site Conditions. In addition, 01010-13 paragraph 1.1D specifies Work Site locations will be provided in a list at the beginning of the project, organized by Work Zones. For the purposes of bidding this project, is it possible for the Owner to provide a link to the Work Site Locations.

The list of work sites will be provided after Notice to Proceed is issued for this project. Sites are throughout the District service area.

6. 01010-6, paragraph f, specifies replacement of asphalt as necessary to facilitate the installation of service laterals, meters, or backflows. For the purposes of bidding this project, how many locations require asphalt replacement?

The number of locations for asphalt restoration is estimated as approximately the same number of locations for service lateral replacement, 4,750.

7. 01010-7, paragraph h, specifies replacement of concrete as necessary to facilitate the installation of service laterals, meters, or backflows. For the purposes of bidding this project, how many locations require concrete replacement?

The number of locations for concrete restoration is estimated at 100-200.

8. 01010-12, paragraph C.1 specifies 1. Additional Pipe Installation – Customer Side Plumbing. CONTRACTOR...install HDPE piping on the customer side of a meter/backflow assembly to connect to or reroute customer plumbing. For the purposes of bidding this item, please clarify how many feet of additional piping is required.

This is an optional unit price bid item to be executed only if and where the District determines it may be necessary. There is no predetermined length of pipe for this item. This unit price will not be considered in the determination of bid results.

9. Per 01130-1, paragraph 1.2.3.B, what type of priority assignments is designated for the third crew?

Addresses that are designated Priority will require the same typical bid items assigned by the Engineer as all other non-Priority sites. The only difference is the requirement that all work be completed within 4 weeks of the contractor being notified that the address has a Priority status.

- 10. Per 01130-5, paragraph 1.5F, open trench work will not be allowed within the public easement along Clark Road, south of Pearson without a CALTRANS Encroachment permit, to be obtained by the CONTRACTOR. Acquiring a Caltrans Encroachment permit may take up to 10 months. Has the contract duration taken into consideration the long lead time in the permit application?**

The District understands that the order of work sites to include those in the Caltrans right of way may need to be adjusted to accommodate the encroachment permit timelines.

- 11. Is the District supplying the meters?**

Per the contract documents, the contractor shall be required to procure and provide meters from Zenner USA. Unit pricing for Zenner products are included in the project documents.

- 12. Is the contractor responsible for hooking up the MIU to the meter and ensuring proper function?**

Yes, per the contract documents, contractor shall be responsible for the full installation and function of the meter and MIU.

- 13. How many services will there be per work zone?**

The number of work sites per zone will vary.

- 14. Will multiple work zones be made available to the Contractor?**

The full list of sites will be available to the Contractor, however the contractor should expect to work through the list in the order assigned. Per the project documents, the District reserves the right to update the order of this list as needed.

- 15. How many services per day did the last contractor install?**

Average service lateral installation rate has been between 2-4 services/day. This project requires pre-scheduled time windows (3) for installations in an average day. Please see project documents for further detail.

- 16. Is it possible to share the addresses which will be addressed by this project so bidders can see the types of roads where they are located?**

See the answer to question 5.

- 17. What is the Encroachment permit cost?**

Encroachment permitting information can be found on the Town of Paradise website, here: <https://www.townofparadise.com/pwe/page/encroachment-permits>

Per the Town of Paradise, permitting costs are estimated based on the cost of expected inspection by Town of Paradise Public Works staff: 5 hours per week at an approximate rate of \$120/hr.

For this 24-month project, this estimate totals \$62,400.

Encroachment permit costs will be billed based on actual inspections performed so this total may vary. If extra inspections are deemed necessary as a result of deficient traffic control, failed asphalt, or insufficient compaction, the contractor shall bear these additional costs at no impact to the District.

18. For bidding purposes, how deep should we anticipate the service lateral and how long should we anticipate its average length.

Per the project documents and for the purposes of bidding, average length of service laterals can be estimated at 25 feet. In the field, service laterals can vary significantly in length. Depth of service laterals may vary to as great as 8ft but average 3ft in depth.

For bidding purposes, on the previous project phase it is estimated that less than 5% of service lateral locations have exceeded 6' in depth or required shoring.

19. Will this large project be broken up into smaller components or phases?

The District does not intend to break this project into smaller components at this time.

20. Can the bid tabs and RFPs for the previous project phases be provided?

The District will post previous project RFPs on their website at <https://www.pidwater.com/rfp>. Bid tabs for previous project phases are included in this Addendum.

Bid Tabs for Previous Project Phases

1. **Bid Summary for Service Lateral Replacement Project** – See attached
2. **Bid Summary for Meter Installation and Service Lateral Replacement Phase 2 Project** – See attached

Bid Summary
Service Lateral Replacement Project
 Thursday, October 17, 2019

Bid Items	Teichert	KW Emerson	Vinciguerra	Sukut	R&R Horn	Santos Excav.	Anvil Bldrs	SnL Group	Sutton Ent.	Rapid	Jason Abel
1 Initial Mob/Demob	\$ 566,383.00	\$ 278,987.00	\$ 200,000.00	\$ 950,000.00	\$ 1,560,000.00	\$ 410,000.00	\$ 95,206.00	\$ 550,000.00	\$ 27,956.50	\$ 642,223.50	\$ 759,700.00
2 Site Mob/Demob	\$ 21,250.00	\$ 168,300.00	\$ 85,000.00	\$ 425,000.00	\$ 127,500.00	\$ 153,000.00	\$ 680,000.00	\$ 170,000.00	\$ 290,275.00	\$ 191,250.00	\$ 1,045,500.00
3 Excav. Corp Stop	\$ 695,300.00	\$ 940,100.00	\$ 850,000.00	\$ 535,500.00	\$ 170,000.00	\$ 467,500.00	\$ 654,500.00	\$ 522,750.00	\$ 454,962.50	\$ 510,000.00	\$ 340,000.00
4 Shoring	\$ 42,000.00	\$ 40,200.00	\$ 30,000.00	\$ 65,000.00	\$ 20,000.00	\$ 6,000.00	\$ 42,000.00	\$ 41,000.00	\$ 40,750.00	\$ 10,000.00	\$ 20,000.00
5 Traffic Control	\$ 191,250.00	\$ 252,450.00	\$ 170,000.00	\$ 68,850.00	\$ 425,000.00	\$ 297,500.00	\$ 340,000.00	\$ 157,250.00	\$ 922,675.00	\$ 170,000.00	\$ 85,000.00
6 Asphalt Restoration	\$ 896,500.00	\$ 570,500.00	\$ 896,500.00	\$ 619,400.00	\$ 407,500.00	\$ 1,313,780.00	\$ 489,000.00	\$ 1,181,750.00	\$ 574,575.00	\$ 1,467,000.00	\$ 427,875.00
7 Curb/Gutter/Sidewalk	\$ 676,000.00	\$ 1,071,850.00	\$ 422,500.00	\$ 617,500.00	\$ 227,500.00	\$ 474,500.00	\$ 240,500.00	\$ 575,250.00	\$ 521,300.00	\$ 162,500.00	\$ 289,250.00
8 Soils Testing	\$ 62,400.00	\$ 198,900.00	\$ 97,500.00	\$ 165,750.00	\$ 130,000.00	\$ 68,250.00	\$ 110,500.00	\$ 240,500.00	\$ 321,912.50	\$ 162,500.00	\$ 58,500.00
9 Laterals - Trenched	\$ 1,163,750.00	\$ 1,090,150.00	\$ 1,331,375.00	\$ 1,350,350.00	\$ 1,909,200.00	\$ 1,507,902.50	\$ 1,467,700.00	\$ 2,197,100.00	\$ 860,045.00	\$ 1,913,500.00	\$ 2,251,875.00
10 Hot Tap	\$ 177,082.00	\$ 244,587.00	\$ 292,400.00	\$ 117,617.00	\$ 332,350.00	\$ 199,610.00	\$ 268,094.00	\$ 194,555.00	\$ 268,001.00	\$ 92,150.00	\$ 148,918.00
	\$ 4,491,915.00	\$ 4,856,024.00	\$ 4,375,275.00	\$ 4,914,967.00	\$ 5,309,050.00	\$ 4,898,042.50	\$ 4,387,500.00	\$ 5,830,155.00	\$ 4,282,452.50	\$ 5,321,123.50	\$ 5,426,618.00

BID RANK:	4	5	2	7	8	6	3	11	1	9	10
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*** NOT CONSIDERED IN AWARD***

11 Laterals - Trenchless	\$ 1,084,850.00	\$ 621,450.00	\$ 2,005,250.00	\$ 1,179,000.00	\$ 1,934,450.00	\$ 1,455,270.00	\$ 1,336,200.00	\$ 3,323,200.00	\$ 970,720.00	\$ 2,856,250.00	\$ 1,837,862.50
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Preliminary Bid Summary Breakdown
Meter Installation and Service Lateral Phase 2 Project

Friday, May 14, 2021

Bid Items	RCI General Engineering	Spiniello	Teichert	Flowline Contractors, Inc.
1 Project Mobilization and Demobilization	\$ 1,584,226.00	\$ 530,000.00	\$ 1,717,000.00	\$ 248,972.00
2 Project Traffic Control	\$ 970,000.00	\$ 700,000.00	\$ 2,337,635.00	\$ 189,432.00
3 Angle Stop Valve	\$ 633,900.00	\$ 84,000.00	\$ 255,500.00	\$ 821,300.00
4 Furnish and Install Meter Box and Cover	\$ 1,855,000.00	\$ 4,100,000.00	\$ 2,307,500.00	\$ 2,442,000.00
5 Install Meter and Meter Interface Unit (MIU)	\$ 1,394,250.00	\$ 1,017,750.00	\$ 1,466,250.00	\$ 721,125.00
6 Excavation of Existing Corporation Stop	\$ 675,500.00	\$ 2,275,000.00	\$ 1,837,500.00	\$ 2,787,750.00
7 Shoring Required (per Service Lateral Installation)	\$ 31,850.00	\$ 21,875.00	\$ 61,250.00	\$ 40,075.00
8 Asphalt Restoration	\$ 1,221,500.00	\$ 840,000.00	\$ 630,000.00	\$ 724,500.00
9 Concrete Restoration	\$ 210,000.00	\$ 140,000.00	\$ 306,250.00	\$ 181,825.00
10 Furnish and Install Replacement Service Laterals - Open Trench Installation	\$ 2,024,000.00	\$ 2,112,000.00	\$ 1,364,000.00	\$ 2,750,000.00
11 Furnish and Install Replacement Service Laterals - Trenchless ("Pulled") Installation	\$ 1,650,000.00	\$ 1,100,000.00	\$ 990,000.00	\$ 1,804,000.00
12 Furnish and Install Hot Tap Saddle Connections	\$ 601,735.00	\$ 525,000.00	\$ 557,210.00	\$ 551,862.00
13 Furnish RP Backflow Preventer Assembly	\$ 892,164.00	\$ 1,075,430.00	\$ 1,206,325.00	\$ 1,409,163.00
14.1 Convert Existing Interim RP Backflow Prevention Assembly Configuration to Permanent RP Backflow Prevention Assembly Configuration	\$ 977,500.00	\$ 640,900.00	\$ 1,105,000.00	\$ 1,946,500.00
14.2 Furnish and Install Backflow Prevention Assembly Repair Kit	\$ 271,500.00	\$ 157,200.00	\$ 228,000.00	\$ 215,700.00
15 Install RP Backflow Prevention Assembly	\$ 450,000.00	\$ 1,500.00	\$ 412,500.00	\$ 1,048,500.00
16 Test RP Backflow Prevention Assembly	\$ 166,400.00	\$ 256,000.00	\$ 192,000.00	\$ 160,000.00
17 Furnish and Install Frost Protection Bag for RP Backflow Assembly	\$ 142,200.00	\$ 201,000.00	\$ 183,000.00	\$ 154,400.00
18 Zenner Subcontract - Installation of Centralized Transmission Infrastructure for AMI System	\$ 25,000.00	\$ 15,000.00	\$ 14,000.00	\$ 17,136.00
	\$ 15,776,725.00	\$ 15,792,655.00	\$ 17,170,920.00	\$ 18,214,240.00
BID RANK:	1	2	3	4

Revisions to Specifications – Clarification of total number of backflow prevention devices

1. Section 00080 – Advertisement for Bids
2. Section 00500 – Agreement Form
3. Section 01110 – Summary of Work

SECTION 00080

ADVERTISEMENT FOR BIDS

Sealed Bids for construction of the Paradise Irrigation District Meter Installation and Service Lateral Phase 3 Project, addressed to Paradise Irrigation District, 6332 Clark Road, Paradise, CA 95969 shall be received until **1:00 p.m.**, local time, on **Friday, April 28, 2023.** Bids will be opened immediately thereafter and read aloud.

Bids will be publicly opened, examined and declared by Water Works Engineers (ENGINEER) on said day and hour, and will be referred to Paradise Irrigation District (OWNER) for subsequent action. Any Bids received after the specified time and date will not be considered.

The Work is located at various locations throughout the town of Paradise, CA.

The Project work contemplated consists of the following:

- Mobilization and Demobilization to the site, including all temporary construction facilities
- Traffic Control measures throughout the Town of Paradise as necessary.
- Stormwater Pollution Prevention Plan development and execution
- Public Notification
 - Two weeks in advance of planned work in the area
 - 48 hours in advance of an interruption to service
 - Renotification for rescheduled work
- Site assessments and determination of meter installation locations according to DISTRICT defined parameters conducted by a qualified and approved engineering or surveying professional.
- Installation of the following work items in accordance with Specifications and Standard Details included in the Contract Documents:
 - 4,750 service lateral installations including excavation, connection to the water main, installation of pipe and tracer wire, disinfection and backfill.
 - All sites shall include the restoration of asphalt, asphalt base, concrete, or native soil as disturbed by the work.
 - 1,500 of the 4,750 service laterals shall include the installation of angle stops, meter boxes, meters, new or reconfigured backflow prevention assemblies and customer plumbing tie ins, with all required fittings.
 - 1,500 of the 4750 service laterals shall include the installation of angle stops, angle stop bullets, meter boxes, meters, and caps with all required fittings.
 - 150 of the 4750 service laterals shall include the installation of angle stops, meter boxes, meters, and customer plumbing tie ins to

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customer owned backflow prevention assemblies, including all required fittings.

- 1600 of the 4750 service laterals shall include only the installation of a bulleted angle stop and meter box.
- 500 backflow prevention devices where a service lateral and meter have already been installed. This shall include the installation of a new backflow prevention device if none is currently in place or the reconfiguration of an existing backflow prevention device to meet the District's current standard detail, including all fittings and tie ins to existing meter and customer plumbing.
- Optional tasks as may be exercised by the DISTRICT:
 - Additional pipe installation as may be necessary to facilitate connections to customer side plumbing outside of normal scope.
 - Encased pipe installation as may be necessary for unique installations.
 - Standby time as may be necessary to facilitate leak repairs or other DISTRICT or ENGINEER-managed site issues.
 - Remobilization as may be directed to accommodate the resolution of site issues by DISTRICT or ENGINEER.

The project will be structured to work through a prioritized list provided at the beginning of the project. The DISTRICT reserves the right to adjust the priority order of this list as needed. The Project is intended to support rebuilding efforts following the Camp Fire of November 2018 and will support the return of metered potable water service to the Paradise Irrigation District (PID, or DISTRICT).

Project shall be substantially complete in **730** calendar days. All Work shall be completed within **750** calendar days from the date established in the Notice to Proceed. At this time, Notice to Proceed is expected prior to June 1, 2023. Refer to Section 01130, Special Project Constraints in the Technical Specifications for project constraints.

The engineer's estimate for this project is \$54,000,000.

A **mandatory** pre-bid meeting is scheduled between ENGINEER, OWNER and interested bidders on **Thursday, March 30th at 10:00 a.m.** Interested bidders should meet at Paradise Irrigation District's District Office located at 6332 Clark Road, Paradise CA 95969. At this time the project will be reviewed and questions answered. It is a mandatory requirement that each prime contractor must have a representative at the pre-bid meeting to be allowed to submit a bid. Potential sub-contractors and suppliers are not required to attend the pre-bid meeting but are encouraged to attend.

Bidding Documents include the following:

- Volume 1 – Bid Requirements, Specifications, and Standard Details

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Bidding Documents and addenda may be obtained at CIPLIST.com at no charge. Supporting documents as required (i.e., geotechnical reports, etc.) will also be posted on this site. Supporting and informational documents are for informational purposes only and for the convenience of the bidders and are not considered a part of the Bidding Documents.

Bidding Documents are provided electronically and free of charge. It is the responsibility of each prospective bidder to verify the completeness of their printed Bidding Documents before submitting their Bid and accompanying completed forms. Users are cautioned that OWNER and ENGINEER do not assume any liability or responsibility based on any defective or incomplete copying, excerpting, scanning, faxing, downloading, or printing of the Bidding Documents.

The Bidding Documents shall supersede any information posted or transmitted by CIPLIST.com.

Be advised that the information contained on CIPLIST.com may change and without notice to prospective bidders. It is the responsibility of each prospective bidder to check CIPLIST.com on a daily basis through the close of bids for any applicable addenda or updates. CIPLIST.com sends email notifications to ONLY those registered for the project.

Submit all bidder's questions in writing to the ENGINEER. Last day to submit questions is April 6th, 2023. All questions will be answered by end of day on April 13th, 2023 by the issuance of an Addendum.

The Work under these Bidding Documents is funded by a combination of Federal Emergency Management Public Assistance Program Funds and the EPA's Drinking Water State Revolving Fund Program (DWSRF) which is administered by the California State Water Resources Control Board (SWRCB) Division of Drinking Water's (DDW). The general Federal prevailing rate of per diem wages, holidays, and overtime work for each craft, classification, or type of workmen needed to execute the contract are established by the Secretary of Labor in accordance with the Davis-Bacon Act and can be found online at <http://www.sam.gov>. Contractors shall not pay wages less often than once per week. The successful Bidder agrees upon execution of this Agreement to post a copy of the wage rates at the project site.

Bidders shall provide a Good Faith Effort to include Disadvantaged Business Enterprises (DBE) in the Work, as described in the Section 00830, SWRCB State Revolving Fund Construction Contract Requirements.

This project is subject to "Use of American Iron and Steel" provisions of the "Consolidated Appropriations Act, 2014," H.R. 3547, Title IV.

Each Bid must be submitted on the prescribed Bid Form and accompanied by Bid security as prescribed in the Instructions to Bidders, payable to the OWNER in an amount not less than 10 percent of the amount Bid.

The Successful Bidder will be required to furnish the additional Bond(s) prescribed in the Bidding Documents.

In order to Bid and perform public work, the Bidder and Subcontractors shall hold or obtain such licenses as required by State Statutes, and federal and local Laws and Regulations.

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Bids will be accepted only from Bidders holding a Class A California Contractors' License.

For questions and/or information concerning the proposed Work contact Colleen Boak via email at colleenb@wwengineers.com.

OWNER's right is reserved to reject all Bids or any Bid not conforming to the intent and purpose of the Bidding Documents.

Dated this _____ day of _____, 20__.

Paradise Irrigation District

By _____
Tom Lando, District Manager

++ END OF SECTION ++

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SECTION 00500
AGREEMENT FORM

This Agreement is by and between **Paradise Irrigation District** ("Owner") and _____ ("Contractor").

Terms used in this Agreement have the meanings stated in the General Conditions and the Supplementary Conditions.

Owner and Contractor hereby agree as follows:

ARTICLE 1—WORK

1.01 Contractor shall complete all Work as specified or indicated in the Contract Documents. The Work is generally described as follows:

- Mobilization and Demobilization to the site, including all temporary construction facilities
- Traffic Control measures throughout the Town of Paradise as necessary.
- Stormwater Pollution Prevention Plan
- Public Notification
 - Two weeks in advance of planned work in the area
 - 48 hours in advance of an interruption to service
 - Renotification for rescheduled work
- Site assessments and determination of meter installation locations according to DISTRICT defined parameters conducted by a qualified and approved engineering or surveying professional.
- Installation of the following work items in accordance with Specifications and Standard Details included in the Contract Documents:
 - ✓ 4,750 service lateral installations including excavation, connection to the water main, installation of pipe and tracer wire, disinfection and backfill.
 - All sites shall include the restoration of asphalt, asphalt base, concrete, or native soil as disturbed by the work.
 - 1,500 of the 4,750 service laterals shall include the installation of angle stops, meter boxes, meters, new or reconfigured backflow prevention assemblies and customer plumbing tie ins, with all required fittings.
 - 1,500 of the 4750 service laterals shall include the installation of angle stops, angle stop bullets, meter boxes, meters, and caps with all required fittings.
 - 150 of the 4750 service laterals shall include the installation of angle stops, meter boxes, meters, and customer plumbing tie ins to customer owned backflow prevention assemblies, including all required fittings.

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- 1600 of the 4750 service laterals shall include only the installation of a bulleted angle stop and meter box.
- ✓ 500 backflow prevention devices where a service lateral and meter have already been installed. This shall include the installation of a new backflow prevention device if none is currently in place or the reconfiguration of an existing backflow prevention device to meet the District's current standard detail, including all fittings and tie ins to existing meter and customer plumbing.
- Optional tasks as exercised by the DISTRICT:
 - Additional pipe installation as may be necessary to facilitate connections to customer side plumbing outside of normal scope.
 - Encased pipe installation as may be necessary for unique installations.
 - Standby time as may be necessary to facilitate leak repairs or other DISTRICT or ENGINEER-managed site issues.
 - Remobilization as may be directed to accommodate the resolution of site issues by DISTRICT or ENGINEER.

ARTICLE 2—THE PROJECT

2.01 The Project, of which the Work under the Contract Documents is a part, is generally described as follows: **Meter Installation and Service Lateral Replacement Phase 3 Project.**

ARTICLE 3—ENGINEER

- 3.01 The Owner has retained **Water Works Engineers** ("Engineer") to act as Owner's representative, assume all duties and responsibilities of Engineer, and have the rights and authority assigned to Engineer in the Contract.
- 3.02 The part of the Project that pertains to the Work has been designed by **Water Works Engineers.**

ARTICLE 4—CONTRACT TIMES

4.01 *Contract Times: Working Days*

- A. The Work will be substantially complete within **730** working days after the date when the Contract Times commence to run as provided in Paragraph 4.01 of the General Conditions, and completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions within **750** working days after the date when the Contract Times commence to run.

4.02 *Liquidated Damages*

- A. Contractor and Owner recognize that Owner will suffer financial and other losses if the Work is not completed and Milestones not achieved within the Contract Times, as duly modified. The parties also recognize the delays, expense, and difficulties involved in proving, in a legal or arbitration proceeding, the actual loss suffered by Owner if the Work is not completed on time. Accordingly, instead of requiring any

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such proof, Owner and Contractor agree that as liquidated damages for delay (but not as a penalty):

1. *Substantial Completion*: Contractor shall pay Owner **\$1,500** for each day that expires after the time (as duly adjusted pursuant to the Contract) specified above for Substantial Completion, until the Work is substantially complete.
- B. If Owner recovers liquidated damages for a delay in completion by Contractor, then such liquidated damages are Owner's sole and exclusive remedy for such delay, and Owner is precluded from recovering any other damages, whether actual, direct, excess, or consequential, for such delay.

ARTICLE 5—CONTRACT PRICE

5.01 Owner shall pay Contractor for completion of the Work in accordance with the Contract Documents, the amounts that follow, subject to adjustment under the Contract:

- A. For all Work other than Unit Price Work, a lump sum of \$_____.

All specific cash allowances are included in the above price in accordance with Paragraph 13.02 of the General Conditions.

B. For all Unit Price Work, an amount equal to the sum of the extended prices (established for each separately identified item of Unit Price Work by multiplying the unit price times the actual quantity of that item).Unit Price Work					
Item No.	Description	Unit	Estimated Quantity	Unit Price	Extended Price
				\$	\$
				\$	\$
				\$	\$
				\$	\$
				\$	\$
Total of all Extended Prices for Unit Price Work (subject to final adjustment based on actual quantities)					\$

The extended prices for Unit Price Work set forth as of the Effective Date of the Contract are based on estimated quantities. As provided in Paragraph 13.03 of the General Conditions, estimated quantities are not guaranteed, and determinations of actual quantities and classifications are to be made by Engineer.

- C. Total of Lump Sum Amount and Unit Price Work (subject to final Unit Price adjustment) \$_____.
- D. For all Work, at the prices stated in Contractor's Bid, attached hereto as an exhibit.

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ARTICLE 6—PAYMENT PROCEDURES

6.01 Submittal and Processing of Payments

- A. Contractor shall submit Applications for Payment in accordance with Article 15 of the General Conditions. Applications for Payment will be processed by Engineer as provided in the General Conditions.

6.02 Progress Payments; Retainage

- A. Owner shall make progress payments on the basis of Contractor's Applications for Payment on or about the 10th day of each month during performance of the Work as provided in Paragraph 6.02.A.1 below, provided that such Applications for Payment have been submitted in a timely manner and otherwise meet the requirements of the Contract. All such payments will be measured by the Schedule of Values established as provided in the General Conditions (and in the case of Unit Price Work based on the number of units completed) or, in the event there is no Schedule of Values, as provided elsewhere in the Contract.
 - 1. Prior to Substantial Completion, progress payments will be made in an amount equal to the percentage indicated below but, in each case, less the aggregate of payments previously made and less such amounts as Owner may withhold, including but not limited to liquidated damages, in accordance with the Contract.
 - a. 95 percent of the value of the Work completed (with the balance being retainage).
 - 1) If 50 percent or more of the Work has been completed, as determined by Engineer, and if the character and progress of the Work have been satisfactory to Owner and Engineer, then as long as the character and progress of the Work remain satisfactory to Owner and Engineer, there will be no additional retainage; and
 - b. 95 percent of cost of materials and equipment not incorporated in the Work (with the balance being retainage).

6.03 Final Payment

- A. Upon final completion and acceptance of the Work, Owner shall pay the remainder of the Contract Price in accordance with Paragraph 15.06 of the General Conditions.

6.04 Consent of Surety

- A. Owner will not make final payment, or return or release retainage at Substantial Completion or any other time, unless Contractor submits written consent of the surety to such payment, return, or release.

ARTICLE 7—CONTRACT DOCUMENTS

7.01 Contents

- A. The Contract Documents consist of all of the following:
 - Volume 1 – Bid Requirements, Specifications, and Standard Details

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- B. The following which may be delivered or issued on or after the Effective Date of the Contract and are not attached hereto:
 - a. Notice to Proceed.
 - b. Work Change Directives.
 - c. Change Orders.
 - d. Field Orders.
 - e. Warranty Bond, if any.
- C. The Contract Documents listed in Paragraph 7.01.A are attached to this Agreement (except as expressly noted otherwise above).
- D. There are no Contract Documents other than those listed above in this Article 7.
- E. The Contract Documents may only be amended, modified, or supplemented as provided in the Contract.

ARTICLE 8—REPRESENTATIONS, CERTIFICATIONS, AND STIPULATIONS

8.01 *Contractor's Representations*

- A. In order to induce Owner to enter into this Contract, Contractor makes the following representations:
 - 1. Contractor has examined and carefully studied the Contract Documents, including Addenda.
 - 2. Contractor has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
 - 3. Contractor is familiar with all Laws and Regulations that may affect cost, progress, and performance of the Work.
 - 4. Contractor has carefully studied the reports of explorations and tests of subsurface conditions at or adjacent to the Site and the drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, with respect to the Technical Data in such reports and drawings.
 - 5. Contractor has carefully studied the reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, with respect to Technical Data in such reports and drawings.
 - 6. Contractor has considered the information known to Contractor itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Contract Documents; and the Technical Data identified in the Supplementary Conditions or by definition, with respect to the effect of such information, observations, and Technical Data on (a) the cost, progress, and performance of the Work; (b) the means, methods, techniques, sequences, and procedures

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of construction to be employed by Contractor; and (c) Contractor's safety precautions and programs.

7. Based on the information and observations referred to in the preceding paragraph, Contractor agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.
8. Contractor is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Contract Documents.
9. Contractor has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Contractor has discovered in the Contract Documents, and of discrepancies between Site conditions and the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.
10. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
11. Contractor's entry into this Contract constitutes an incontrovertible representation by Contractor that without exception all prices in the Agreement are premised upon performing and furnishing the Work required by the Contract Documents.

8.02 *Contractor's Certifications*

- A. Contractor certifies that it has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for or in executing the Contract. For the purposes of this Paragraph 8.02:
 1. "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process or in the Contract execution;
 2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process or the execution of the Contract to the detriment of Owner, (b) to establish Bid or Contract prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
 3. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish Bid prices at artificial, non-competitive levels; and
 4. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

8.03 *Standard General Conditions*

- A. Owner stipulates that if the General Conditions that are made a part of this Contract are EJCDC® C-700, Standard General Conditions for the Construction Contract (2018), published by the Engineers Joint Contract Documents Committee, and if

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Owner is the party that has furnished said General Conditions, then Owner has plainly shown all modifications to the standard wording of such published document to the Contractor, through a process such as highlighting or "track changes" (redline/strikeout), or in the Supplementary Conditions.

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IN WITNESS WHEREOF, Owner and Contractor have signed this Agreement.

This Agreement will be effective on _____ (which is the Effective Date of the Contract).

Owner:

Contractor:

(typed or printed name of organization)

By: _____
(individual's signature)

Date: _____
(date signed)

Name: _____
(typed or printed)

Title: _____
(typed or printed)

Attest: _____
(individual's signature)

Title: _____
(typed or printed)

Address for giving notices:

Designated Representative:

Name: _____
(typed or printed)

Title: _____
(typed or printed)

Address:

Phone: _____

Email: _____

(If **[Type of Entity]** is a corporation,
attach evidence of authority to sign. If
[Type of Entity] is a public body, attach
evidence of authority to sign and
resolution or other documents

(typed or printed name of organization)

By: _____
(individual's signature)

Date: _____
(date signed)

Name: _____
(typed or printed)

Title: _____
(typed or printed)

(If **[Type of Entity]** is a corporation, a
partnership, or a joint venture, attach

Attest: _____
(individual's signature)

Title: _____
(typed or printed)

Address for giving notices:

Designated Representative:

Name: _____
(typed or printed)

Title: _____
(typed or printed)

Address:

Phone: _____

Email: _____

License No.: _____
(where applicable)

State: _____

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00500-10

SECTION 01110 SUMMARY OF WORK

PART 1 - GENERAL

1.1 LOCATION AND DESCRIPTION OF WORK

Work included in this contract includes General Work described in Section A, Site Specific Work described in Section B, and Optional Work described in Section C.

A. General Work:

1. Project Mobilization and Demobilization—Mobilization for the project as a whole shall include all labor and equipment necessary to assemble in the vicinity of the project and stage said labor and equipment in order to make ready to perform the work. Demobilization for the project as a whole shall include removal of the same once either work had been completed. This shall include any necessary storage or laydown areas, establishment of a local project office, or any related arrangements. The DISTRICT will not provide any temporary storage for materials, parking, or other staging needs. This item assumes the total project work includes 5,250 individual project sites.
2. Traffic Control – CONTRACTOR shall be responsible for execution of Traffic Control in accordance with all federal, state and local guidelines as required to complete all Contract Work. CONTRACTOR shall execute an encroachment permit with the Town of Paradise to accommodate this work.
3. Storm Water Pollution Prevention Plan (SWPPP) – This project is estimated to disturb in excess of 5 acres of total area. CONTRACTOR shall provide all labor, materials and resources to fully comply with applicable local, State and Federal regulations and requirements for water pollution prevention and control including the development and execution of a SWPPP. CONTRACTOR shall be responsible throughout the duration of the project for installing, constructing, inspecting, maintaining, replacing, removing, and disposing of temporary water pollution control practices specified in the SWPPP.
4. Public Notifications – (see Specification Section 01130)
 - a. Two-Week Advanced Notification

Two-week advanced notification requires a phone call/message for each assigned address using DISTRICT provided contact info AND a door hanger (or printed notice attached to a stake if no structure is present on site). The phone call/message and printed notice shall indicate planned work with a minimum of 2 weeks between the time notice is given and the time work takes place. Such notice must not be less specific than a one week period of time in which the work is planned.

- b. 48-Hour Advanced Notification

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48-Hour advanced notification requires a phone call/message for each assigned address using DISTRICT provided contact info AND a door hanger (or printed notice attached to a stake if no structure is present on site). The phone call/message and printed notice shall indicate planned work with a minimum of 48 hours and maximum of 72 hours between the time notice is given and the specific date and time window in which the work will take place.

- c. CONTRACTOR shall renotify customers using the methods described above as necessary to accommodate changes in planned construction due to field conditions, customer issues, and/or DISTRICT designated priority assignments.
- d. Content of printed materials shall be provided by the DISTRICT in PDF format with fillable fields for dates/times to be used by the CONTRACTOR. DISTRICT reserves the right to update contact information and/or public messaging information intermittently.
- e. CONTRACTOR shall maintain a detailed log of all public notifications. Data shall be broken down by address, date/time, notification type, success of any phone contact/messages left, type of printed notice left on site, and any other pertinent data. This shall be updated daily and maintained on Microsoft Sharepoint or a similar DISTRICT approved document sharing tool for regular viewing access by the ENGINEER and/or DISTRICT staff.

B. Site Specific Work

Individual Site SCOPE OF SERVICES					
Category	B1	B2	B3	B4	B5
Quantity	Replace Service Lateral	Meter Box Installation	Meter and MIU Installation	Install or Reconfigure Backflow Preventer Assembly	Tie In to Customer Plumbing
1600	X	X			
<u>1500</u>	X	X	X	X	X
<u>1500</u>	X	X	X		
150	X	X	X		X
500				X	X
<u>4,750</u>	total locations where work will take place				

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1. Replace Service Lateral

Field assess each assigned location and open Underground Service Alert ticket. Determine locations of existing infrastructure (service lateral, corporation stop, main, meter, any existing backflow device.)

a. Excavate Corporation Stop or Gate Valve

CONTRACTOR shall use hydraulic means of excavating at the main to expose the corporation valve or other valve serving as a corporation stop.

b. Hot Tap Saddle Connection or Tee –

Reuse existing corporation stop or other main connection valve if possible. In order to be reusable, the existing valve must meet the following criteria established by the DISTRICT:

- 1) Valve must be in operable condition.
- 2) If the service is a single service, the valve must be a minimum $\frac{3}{4}$ " in size.
- 3) If the service is a double or banked service (two meters fed from a common lateral connection through a wye), the valve must be a minimum 1 $\frac{1}{4}$ " in size.

If the existing corporation stop is not reusable according to the above criteria, CONTRACTOR shall hot tap the water main and install a new service saddle and corporation stop. Installation of a hot tap requires the abandonment of the existing corporation stop and lateral (see Item 2c below for further detail). A new hot tapped connection shall be adjacent to the existing lateral, but not less than 24" from the existing corporation stop, a weld, or pipe joint unless approved by the ENGINEER.

If the main is under 4 inches in size and a hot tap is not possible for the assigned size of service lateral, CONTRACTOR shall coordinate with ENGINEER to arrange a main shutdown facilitated by the DISTRICT. Only DISTRICT Operations staff may exercise main valves. Any such outage shall be coordinated 72 hours in advance of the time of work to ensure DISTRICT Operations staff is available.

- 1) Any public notifications necessary beyond the addresses for which work has been assigned resulting from a main shutdown shall be the responsibility of the DISTRICT.
- 2) A tee shall be installed in the main alignment using flex couplings to allow for the installation of the corporation stop valve and service lateral during the outage facilitated by the DISTRICT.
- 3) If there are several such laterals requiring tee installations along a length of main, work on these laterals shall be done simultaneously during the main outage facilitated by the DISTRICT. If there are a larger number of service laterals requiring an outage on one main than can be accomplished in one work

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day, CONTRACTOR may coordinate multiple outages with the ENGINEER and group the work into the minimum number and duration of main outages.

- 4) Excavation and preparatory work shall be done in advance by the CONTRACTOR wherever possible to allow the shortest possible main outage to install the flex couplings, tees, and valves. The main may be put back into service by the DISTRICT as soon all valves have been installed and closed.
- 5) Flushing and bacterial testing resulting from a main outage shall be the responsibility of the DISTRICT. Typical disinfection processes required for service lateral installation shall be the responsibility of the CONTRACTOR.

c. Abandon Existing Corporation Stop Valve and Lateral

If the existing corporation stop is determined to be of insufficient size, poor condition, or unacceptable orientation, and a new hot tap and service saddle are installed, the existing lateral and corporation stop must be abandoned.

- 1) The existing valve shall be turned to the off position to cease the flow of water to the existing service lateral. If the valve is successfully closed, cut the service lateral piping 6" downstream of the closed valve.
- 2) If the existing valve is not able to fully close, exercise the valve to the extent possible to stem the flow of water, cut the pipe 6" downstream of the valve and install a new ball valve and any required fittings which can then be operated to the closed position.
- 3) If the main and/or valve are determined by the CONTRACTOR to be of poor enough condition that the proposed abandonment will likely result in a failure or leak, ENGINEER shall be informed by the CONTRACTOR immediately and may give direction to leave the existing lateral in place without abandonment.

d. Trenchless Installation of New HDPE Service Lateral

Install new HDPE service lateral pipe by the trenchless method of "pulling" the new service lateral piping into place. Install the pipe in 1", 1.5", or 2" size as directed for each site. Services may be installed by trenchless methods where possible and open trenched methods where trenchless methods are not possible.

- 1) Existing corporation stop must be reusable.
- 2) The existing lateral must be polymer, copper, or steel and bedded in sand.

If these conditions are met, the existing service lateral piping may be disconnected from the valve and used to "pull" the new HDPE piping into the existing alignment.

- 3) New HDPE piping must be protected from dirt or debris during the "pull".

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- 4) If the "pull" fails, contractor must instead excavate and install using the Trenched Installation method. CONTRACTOR shall not be entitled to any additional compensation for a failed "pulling" operation but shall instead bill for the Trenched Installation.
 - 5) Install tracer wire from the main to the angle stop of the new service lateral, duct-taped and configured along the alignment of the lateral (see Section 15100). Tracer wire shall make positive contact with either the metallic main, or an existing tracer wire on the main. Connectivity of tracer wire shall be tested, confirmed, and documented by the CONTRACTOR. Tracer wire termination shall be wrapped around the angle stop inside the meter box and accessible above grade.
- e. Open Trench Installation of New HDPE Service Lateral
- Install new HDPE service lateral pipe in 1", 1.5", or 2" size as directed for each site. Services may be installed by trenchless methods where possible and open trenched methods where trenchless methods are not possible. Excavate along an alignment perpendicular to the main/roadway for the installation of the new service lateral. Install service lateral piping in accordance with Standard Details.
- 1) If the existing service is configured as a "double service" (See Standard Detail PID-06) install new HDPE piping in a "double service" configuration with 2" HDPE and a wye to serve both meters. If service is a single service configuration (see Standard Detail PID-05), install 1" HDPE.
 - 2) Work includes excavation, demolition as necessary, installation of pipe, tracer wire, angle stop, disinfection, and all necessary fittings and components.
 - 3) Work includes shoring as may be required.
 - 4) Work includes trench backfill with ENGINEER approved sand bedding and pipe zone fill, and asphalt base (AB) for the remainder. All backfill materials must be compacted according to specifications.
 - 5) Install tracer wire from the main to the angle stop of the new service lateral, duct-taped and configured along the alignment of the lateral (see Section 15100). Tracer wire shall make positive contact with either the metallic main, or an existing tracer wire on the main. Connectivity of tracer wire shall be tested, confirmed, and documented by the CONTRACTOR. Tracer wire termination shall be wrapped around the angle stop inside the meter box and accessible above grade.

CONTRACTOR Install angle stop up to the future meter location. CONTRACTOR shall engage the services of an engineer or surveyor (EIT, PE, LSIT, or PLS), approved by the ENGINEER, who shall be responsible for determining the location of the new or future meter and backflow installation in the field. This determination for each site

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must be completed in advance of any mobilization of the CONTRACTOR's crew to complete installations.

CONTRACTOR shall be responsible for ensuring the angle stop is installed per PID Standard Details and at the correct elevation, orientation, and location to allow for meter and backflow installation at every work site, regardless of whether the CONTRACTOR has been assigned the meter and backflow installation at that work site.

Future meter and backflow locations shall be assumed to be the same as existing meter locations with allowable adjustments up to 3 linear feet in any direction without ENGINEER approval. CONTRACTOR shall consider the following DISTRICT criteria for placement of angle stop valves as it relates to future meter box, meter and backflow installations:

- Meters and backflows shall be accessible by the DISTRICT for future maintenance.
- Meters and backflows shall be installed outside of fenced areas.
- Meters and backflows shall be installed outside of vehicular and pedestrian paths of travel.
- Meters and backflows shall not be obscured by landscaping.
- Meter box and backflow locations shall be a minimum of 2' from all other utilities and a minimum of 3' from hydrants or utility poles.
- Meter and backflow should be installed with the minimum impact to private or public property.
- In commercial applications, CONTRACTOR shall evaluate the meter/backflow installation location for bollard installation as may be needed to protect the above grade appurtenances if they will be directly adjacent to parking or a drive aisle. ENGINEER shall be notified of any proposed bollard location for review and approval.
- CONTRACTOR shall notify ENGINEER of any sites requiring DISTRICT Operations staff input (see Section 01130) to determine installation location due to inability to locate existing infrastructure, utility conflicts, customer landscaping/fencing or other installations, unforeseen conflicts.
- If the service lateral is assigned without the installation of a meter, the angle stop shall have a bullet installed to lock the valve from usage. These services will be installed with a meter box only.

f. Asphalt Restoration

CONTRACTOR shall saw cut and repair or replace asphalt as necessary to facilitate the installation of service laterals, meters, or backflows.

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- 1) This work may include roadways, sidewalks, driveways, curbs, gutters, or other asphalt surface treatments.
- 2) Asphalt shall be replaced in accordance with the Town of Paradise Standard Details included in the Contract Documents.
- 3) Any striping legend damaged or affected by paving work shall be restored in entirety.
- 4) Temporary patching of roadways may be allowed to wait for required atmospheric conditions for asphalt pavement. Temporary patching must be installed in a workmanlike fashion, in accordance with industry standards and maintained to that level until such time as the permanent patch may be installed.
- 5) Arterial roadways in the Town of Paradise require two 3" lifts of asphalt, all other surface streets require a single 3" lift.

g. Asphalt Base (AB) Restoration

CONTRACTOR shall remove and replace gravel or asphalt base (AB) in unpaved roadways or driveways as necessary to facilitate the installation of service laterals, meters or backflows.

- 1) This work may include roadways, driveways, shoulders, or other graveled areas.
- 2) AB shall be replaced in a manner that matches the original. If in a roadway, compaction requirements of the Town of Paradise Standard Details must be met.
- 3) A minimum 2" lift shall be placed for all AB repair or replacement.

h. Concrete Restoration

- 1) CONTRACTOR shall saw cut and replace any concrete disturbed, damaged, or removed in order to facilitate the installation of service laterals, meters, or backflows.
- 2) This work may include concrete sidewalks, driveways, curbs, gutters, retaining walls or other concrete appurtenances.
- 3) Concrete shall be replaced in accordance with the Town of Paradise Standard Details included in the Contract Documents.

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2. Install Meter Boxes

Install meter box in accordance with PID Standard Details with grade sloped to drain a minimum of 6" in all directions around the box and the angle stop at a relative depth allowing for proper installation of the meter within the box.

- a. All valving within the box shall have sufficient clearance to operate.
- b. Meter box lids should fit well and should not extend above the lip of the meter box by more than ¼".
- c. Meter boxes shall be installed and supported with proper backfill materials and compaction to prevent settling, free of debris and/or standing water within the box.
- d. If the work address is part of a banked set of services, CONTRACTOR shall install the adjacent meter boxes with grade set level between the boxes, installed with a 24" distance from meter centerline to meter centerline.

3. Install Meter and Meter Interface Unit (MIU)

Install Meter, MIU, and all required valves, fittings, and components along with any related work necessary to meet the DISTRICT's Standard Details and manufacturer recommendations for the meter and MIU.

- a. Meter size shall be assigned for each site by the ENGINEER.
- b. Meters and MIUs shall only be installed by CONTRACTOR personnel trained by the manufacturer of the DISTRICT's current metering infrastructure, Zenner USA. Certification or other proof of training by these personnel must be provided to the ENGINEER.
- c. MIU Installation – the Meter Interface Unit shall be installed on each meter according to manufacturer instructions (Zenner USA) and attached to the underside of the meter box lid as shown in the Standard Details and outlined in the Specifications.
- d. Work includes demolition of existing meter boxes and/or meters and equipment as necessary.

4. Install Backflow Preventer Assembly

a. At approximately 1500 of the 2000 backflow preventer installation work sites the CONTRACTOR will be assigned the installation of a backflow preventer assembly in addition to the service lateral, meter box, meter and MIU.

b. At approximately 500 of the 2000 backflow preventer installation work sites the CONTRACTOR will be assigned the installation of only a backflow preventer assembly. These sites will already have a service lateral, meter box, new Zenner PMF-type meter and MIU installed. CONTRACTOR shall connect to the existing

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meter and proceed with installation of the assigned backflow preventer device in accordance with the Standard Details.

a.1) ~~Reconfigured Backflow Devices~~ -- For an estimated 600 of the 2000 sites assigned to the CONTRACTOR for installation of a backflow preventer assembly, a reduced pressure principle backflow preventer (RP) assembly with galvanized piping set at an approximate 30" height will already be present – this is referred to as an Interim Water Service Device or IWS and were installed by the DISTRICT originally to provide emergency access to water after the Camp Fire Disaster. Where these devices are found to be present, the CONTRACTOR shall remove the assembly and disassemble it. Galvanized piping shall be salvaged and returned to the DISTRICT Corporation Yard (6334 Clark Road, Paradise CA) at an interval/time/date as arranged with the ENGINEER. The remaining brass RP backflow body shall be reconfigured by the contractor with new brass pipe, fittings, valves and components to match the DISTRICT's Standard Details and reinstalled on the same service. The assembly shall be reinstalled as described in Standard Detail PID-15 with permanent piping connections installed on each side.

b.2) ~~New Backflow Devices~~ – As an estimated 1400 sites assigned to the CONTRACTOR for backflow prevention assembly installation, there will be no IWS device present. CONTRACTOR shall install a new backflow preventer device according to the Standard Details.

c.3) ~~Backflow preventer device size for each site shall be assigned by the ENGINEER.~~

d.4) ~~If any backflow prevention device other than an reduced pressure principle device (RP) or double check (DC) is present, CONTRACTOR shall notify ENGINEER and not commence installation of a meter or meter box until notice to proceed is given by ENGINEER.~~

e.5) ~~For any site at which space or other physical constraints prevent the installation of the backflow according to the configuration shown in the Standard Details, consult the ENGINEER for direction and preferred configuration/location of the backflow. For any site where the CONTRACTOR has been assigned the service lateral and meter installation, this must be taken into account and planned for by the CONTRACTOR at the time of the service installation. However, at the estimated 500 sites where only a backflow prevention assembly will be installed, there may be space or configuration restrictions requiring the ENGINEER's direction.~~

f.6) ~~Perform standard testing on all installed or reconfigured backflow prevention devices. Testing must be performed by a CA NV AWWA Certified Backflow Prevention Assembly Tester. Once all plumbing components are~~

installed, perform standard backflow device testing and return to service within a maximum duration of 4 hours to ensure minimum disruption of water service.

~~g.7)~~ Upon completion of testing, pressurize the backflow device by slowly opening the customer side valve. Relief valves damaged in the process of testing the device shall be repaired/replaced and the backflow device tested again at the CONTRACTOR's expense. If a backflow device fails that has been installed under this contract, the device shall be repaired or replaced as necessary to ensure the installation of an operable and compliant device. This repair or replacement shall take place same day to minimize disruption of water service.

~~h.8)~~ It shall be the CONTRACTOR's responsibility to document the passing results of the backflow test on a blue tag affixed to the backflow device (see Section 15200) as well as to maintain Microsoft Excel-based records of all backflow prevention tests and to convey all records to ENGINEER and PID on a weekly basis. Each backflow test record must include the following information at minimum:

- Date
- Time
- Address of test
- Size of backflow preventer device
- Serial number of backflow assembly
- Result of test
- Retest results if necessary

9) All backflow preventer assemblies installed by the CONTRACTOR, either new or reconfigured shall be installed with a new frost protection bag, secured with a zip tie or similar fastener as approved by the ENGINEER. If there is an existing backflow preventer frost protection bag in place that is in functional condition as determined by the INSPECTOR, it shall be salvaged and returned to the DISTRICT. If an existing frost protection bag is in deteriorated condition as determined by the INSPECTOR it shall be disposed of by the CONTRACTOR.

5. Connect to Customer Plumbing

- a. An estimated 1,500 work sites will be assigned to the CONTRACTOR for the installation of a service lateral, meter, and backflow assembly. CONTRACTOR shall install the assigned work items at this location per Standard Details. If the property owner was tied into active water service at the start of work or has underground plumbing up to the location of the existing meter or IWS device, CONTRACTOR shall be responsible for installing a connection to the customer's plumbing using ENGINEER approved fittings.
- b. An estimated 150 work sites will be assigned to the CONTRACTOR for the installation of a service lateral and meter, where the customer has exercised their

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option to install and own their own backflow preventer device. These locations will be identified to the CONTRACTOR as the backflow device at these locations should not be reconfigured or a new backflow preventer device installed.

- 1) If the work site has a backflow device in place, the CONTRACTOR shall install the assigned work items and CONTRACTOR shall be responsible for all necessary components and work to establish a permanent plumbing connection to the existing backflow device in accordance with the Standard Details.
 - 2) If the work site does not have a backflow device in place, but is tied into active water use, the CONTRACTOR shall install the assigned work items and shall install a permanent plumbing connection to the customer's plumbing. CONTRACTOR shall inform the ENGINEER of this circumstance immediately.
 - 3) If the work site does not have a backflow device in place and there is no current or active water connection the CONTRACTOR shall install the assigned work items and shall be responsible for installing a brass pipe cap where the backflow would have been connected, leaving the downstream valve in the off position.
 - 4) If a backflow preventer assembly is left with a valve turned to the off position, CONTRACTOR shall leave a door-hanger style notice, provided by the DISTRICT, on the backflow device itself. This notice shall provide information to the customer about returning their service to water.
- c. An estimated 500 work sites will be assigned to the CONTRACTOR for the installation of a backflow preventer assembly only. If the property owner was tied into active water service at the start of work or has underground plumbing up to the location of the existing meter or IWS device, CONTRACTOR shall be responsible for installing a permanent connection to the customer's plumbing using ENGINEERING approved fittings.
 - d. CONTRACTOR shall not be responsible for reconnecting to above-grade customer plumbing or hoses, however if this situation is encountered, ENGINEER or INSPECTOR should be informed immediately. CONTRACTOR shall install assigned work items with a brass cap.
 - e. CONTRACTOR may be required to move customer owned backflow preventer assemblies back and adjust associated plumbing in order to install the meter within the allowable space at the site in compliance with DISTRICT standards. Additional trenching, pipe and fittings required to accomplish this adjustment for an average distance of 3 linear feet shall be considered in the unit price and shall not result in extra cost.
 - f. CONTRACTOR may be required to pipe back to a customer's plumbing to make a connection if site constraints required an adjustment of the meter and backflow location from preexisting location. An average of 3 linear feet of trenching and plumbing to accomplish this reconnection shall be considered in the unit price for the customer tie in and shall not result in extra cost.

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- g. If any service has a bullet in the angle stop the CONTRACTOR shall remove the bullet with a bullet key in order to exercise the angle stop and proceed with the assigned installations. Upon completion of work, CONTRACTOR shall replace the bullet to lock the angle stop in the closed position.
- h. Backflow preventer assemblies shall be installed level and supported with proper backfill materials and compaction to prevent settling.

6. Bollard Installation

CONTRACTOR shall install permanent or removable bollards to protect backflow preventer assemblies where directed by the ENGINEER. Final locations and type of bollard (removeable or permanent) shall be determined in the field and approved in advance by the ENGINEER or DISTRICT. Contractor shall propose locations for bollard installations where backflow preventers must be installed directly adjacent to parking areas or drive aisles in commercial applications. Bollards (both removable and permanent) shall be installed in accordance with Standard Detail 2600A and shall include all labor, equipment and materials.

C. OPTIONAL WORK ITEMS – the following are optional scope items with unit costs to be exercised at the DISTRICT's discretion.

1. Additional Pipe Installation – Customer Side Plumbing

CONTRACTOR may be directed by the ENGINEER depending on site circumstances to install HDPE piping on the customer side of a meter/backflow assembly to connect to or reroute customer plumbing. This work shall include and necessary fittings as needed. Piping can be assumed to be 1" HDPE requiring standard backfill and installation in accordance with DISTRICT's standard details.

2. Encased Pipe Installation

CONTRACTOR may be directed by the ENGINEER to install encased piping between a meter and backflow assembly to a location designated by the ENGINEER or by the DISTRICT. This work can be assumed to be 1" HDPE with schedule 40 galvanized encasement with minimum annular space in accordance with Standard Detail PID-15 and shall include all fittings as necessary.

3. Standby Time

The CONTRACTOR may encounter on site conditions requiring response by ENGINEER, DISTRICT Operations staff, or other coordination which may result in time when no work may be performed until direction is given or resolution is reached.

- a. CONTRACTOR shall notify ENGINEER immediately if conditions arise which require ENGINEER or DISTRICT response. Notification must be made both in writing and via phone call.
- b. The first 60 minutes after such notification is made in writing shall not be compensated to allow for typical response and resolution time. Thereafter,

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CONTRACTOR may bill for Standby Time in 30 minute increments if no work can be completed until direction or resolution is provided.

- c. DISTRICT reserves the right to direct the CONTRACTOR to move on to another site rather than incur Standby Time.
- d. CONTRACTOR shall document all instances of Standby Time with timestamped duration, cause and resolution. These data points shall be coordinated and shared with INSPECTOR on site.
- e. CONTRACTOR shall not proceed with work at these locations without written direction from the ENGINEER.

4. Remobilization

The CONTRACTOR may encounter on site conditions requiring response by DISTRICT ENGINEER, Operations staff, or other coordination which may result a need to move on from an assigned site until such time as direction is given.

- a. CONTRACTOR shall notify ENGINEER immediately if conditions arise which require ENGINEER or DISTRICT response. Notification must be made both in writing and via phone call.
- b. DISTRICT reserves the right to direct the CONTRACTOR to move on to another site rather than incur Standby Time.
- c. CONTRACTOR may bill for individual instances of remobilization where such direction has been given by the ENGINEER.
- d. CONTRACTOR shall not remobilize to the site in question until direction to do so has been given in writing by the ENGINEER.

- D. The Work is located in Paradise, CA at various locations throughout the DISTRICT's Service Area, as designated by the ENGINEER. Work Site locations will be provided in a list at the beginning of the project, organized by Work Zones. CONTRACTOR must complete the work in the order given. The DISTRICT or ENGINEER may adjust the order of the list intermittently.
- E. The CONTRACTOR shall be responsible for the execution of Traffic Control as necessary, in order to complete the Work safely, in compliance with all local, State, and Federal regulations. The CONTRACTOR must obtain an Encroachment Permit from the Town of Paradise in order to execute the assigned work.
- F. The CONTRACTOR shall staff the project at a level to support of the installation of an average of 60 assigned work locations per work week.
- G. The Work will be constructed under one contract. The Contract Documents include the following:

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1. Volume 1 – Bid Documents, Specifications, and Standard Details.

1.2 COORDINATION

- A. The CONTRACTOR shall be solely responsible for coordination of all of the Work of this Contract.
- B. The CONTRACTOR shall supervise, direct and cooperate fully with all Subcontractors, manufacturers, fabricators, suppliers, distributors, installers, testing agencies and all others whose services, materials or equipment are required to ensure completion of the Work within the Contract Time.
- C. Work of Others:
 - 1. The CONTRACTOR shall engage with Zenner USA for the necessary staff training in addition to procurement of Meters, MIUs and associated components necessary for installation of metered service connections. A quotation for these unit prices has been included for reference and use.
 - 2. The CONTRACTOR shall cooperate with and coordinate CONTRACTOR's Work with the work of any other contractor, utility service companies, or PID's employees performing work at the site.
 - 3. The CONTRACTOR shall also coordinate their Work with the work of others to assure compliance with schedules.
 - 4. The CONTRACTOR shall attend and participate in all project coordination or progress meetings and report on the progress of all Work and compliance with schedules.
 - 5. If any part of the work depends upon the work of others for proper execution or results, the CONTRACTOR shall inspect and promptly report to the ENGINEER any apparent discrepancies or defects in such work of others that render it unsuitable for such proper execution and results.
 - 6. Failure of the CONTRACTOR to so inspect and report shall constitute an acceptance of the work of others as fit and proper except as to defects which may develop in the work of others after execution of the work by the CONTRACTOR.
- D. Interference with work on utilities:
 - 1. The CONTRACTOR shall cooperate fully with all utility forces of the DISTRICT or forces of other public or private agencies engaged in the relocation, altering, or otherwise rearranging of any facilities which interfere with the progress of the work.
 - 2. The CONTRACTOR shall schedule the work so as to minimize interference with said relocation, altering, or other rearranging of facilities.
- E. Responsibility for Damage:
 - 1. The CONTRACTOR shall not be responsible for damage done by CONTRACTORS not under their jurisdiction.
 - 2. The CONTRACTOR will not be liable for any such loss or damage, unless it is through the negligence of the CONTRACTOR.

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3. The CONTRACTOR shall be responsible for the restoration of project sites that are disturbed in the course of work. This shall include any areas outside the extents shown on the Standard Details.

1.3 SITE CONDITIONS

A. Site Investigation and Representation

1. The CONTRACTOR acknowledges that it has satisfied itself as to the nature and general location of the work, the general and local conditions, particularly those bearing upon availability of transportation, disposal, handling and storage of materials, availability of labor, water, electric power, roads, and uncertainties of weather, or similar physical conditions at the site, the conformation and conditions of the ground, the character of equipment and facilities needed preliminary to and during the prosecution of the work and all other matters which can in any way affect the work or the cost thereof under this Contract.
2. The CONTRACTOR further acknowledges that it has satisfied itself as to the character, quality, and quantity of surface and subsurface materials to be encountered from inspecting the site and from evaluating information derived from exploratory work that may have been done by PID or included in these Contract Documents. Any failure by the CONTRACTOR to become acquainted with all the available information will not relieve the CONTRACTOR from responsibility for properly estimating the difficulty or cost of successfully performing the work.
3. Field Verification:
 - a. Before undertaking each part of the work, the CONTRACTOR shall carefully study and compare the Contract Documents and check and verify pertinent figures shown thereon and all applicable field measurements.
 - b. As the work proceeds, the CONTRACTOR shall field verify the depth and location of all buried utilities, and existing systems, and location of hazardous waste and contaminants.
 - c. The CONTRACTOR shall promptly report in writing to the ENGINEER any conflict, error, or discrepancy which the CONTRACTOR may discover and shall obtain a written interpretation or clarification from the ENGINEER before proceeding with any work affected thereby.

B. Existing Utilities and Improvements

1. Location of Underground Utilities:
 - a. It shall be the responsibility of the CONTRACTOR to determine the exact location of all utilities and their service connections in addition to the demarcation and management of all Underground Service Alerts (USAs)
 - b. All potholing or other procedures for verifying utility location shall be performed by the CONTRACTOR as necessary to prepare for excavation.
 - c. The CONTRACTOR shall ascertain the locations of underground utilities the locations of their service laterals work and of service laterals or appurtenances of any other underground utilities which can be inferred from the presence of visible facilities such as buildings, meters and junction boxes prior to doing work that may damage such utilities or interfere with their service.

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- d. Utilities Not Shown:
 - 1) Attention is directed to the existence of underground utilities not identified in the Contract Documents, located in the vicinity of the Contract Work. It is the responsibility of the CONTRACTOR to make all reasonable efforts to locate, support and protect in place any underground utilities encountered in the course of work.
 - 2) If the CONTRACTOR discovers underground a utility not indicated by USA, the CONTRACTOR shall immediately give the ENGINEER and the Utility Company written notification of the existence of such utility.
 - 3) Such utilities shall be located and protected from damages as directed by the ENGINEER and the cost of such work will be paid for as extra work as provided in the General Conditions.
- 2. Utility Coordination:
 - a. The CONTRACTOR shall notify Underground Service Alert (USA) at least 4 days prior to excavation of each project site location, telephone (800) 642-2444.
 - b. The CONTRACTOR shall also contact all utility owners not registered with USA but known to have utilities in the project area to field locate underground utilities at least 4 days prior to excavation.
 - 1) CONTRACTOR shall coordinate directly with the Town of Paradise to locate and protect traffic loops in place. Traffic loops are not included in the USA process. CONTRACTOR shall be responsible for the repair of traffic loops if damaged during the course of work.
 - c. The CONTRACTOR shall notify all owners of utilities when the Work is in progress and shall make arrangements as necessary to make any emergency repairs.
- 3. Utility Protection and Damage:
 - a. Existing utilities that are shown or that are made known and located to the CONTRACTOR prior to excavation, and that are to be retained, and all utilities that are constructed during excavation operations shall be properly supported and protected from damage during the progress of the work.
 - b. Should any damage to a utility occur during the progress of the work, the CONTRACTOR shall notify PID and the utility at once and render all assistance possible to repair the damage and restore the service, at the expense of the CONTRACTOR.
 - c. No extra compensation will be made for the repair of any services or utility damaged by the CONTRACTOR nor for any damage incurred through neglect or failure to provide adequate protection to existing utilities.
 - d. The provisions of this Section shall not be abated even in the event such damage occurs after backfilling or is not discovered until after completion of the backfilling.
 - e. Damaged water pipelines will be repaired by PID at the CONTRACTOR's expense. If the CONTRACTOR fails to pay the cost of repairs to water pipelines within thirty days of receipt of the invoice, PID reserves the right to withhold the amount owed from the CONTRACTOR's Progress Payment.
 - f. Damage Report:
 - 1) In the event that the CONTRACTOR damages any underground utilities not identified by the USA process or depicted on the Service Map with reasonable

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accuracy (within 3 feet of actual location) or any lateral service the location of which could not be inferred by the CONTRACTOR, a written report thereof shall be made immediately to the ENGINEER.

- 2) The CONTRACTOR's report shall also advise the ENGINEER of any schedule delays. Compensation for such delays will be determined in accordance with the General Conditions. The CONTRACTOR shall be entitled to no other compensation for any such damage.
4. All utilities encountered along the line of the work shall remain continuously in service during all work under the Contract or unless other arrangements satisfactory to the ENGINEER are made with the owner of said utilities.

C. CONTRACTOR's Responsibility for Utility Facilities and Service

1. Where the CONTRACTOR's operations could cause damage or inconvenience to railway, telephone, television, power, oil, gas, water, sewer, or irrigation systems, the CONTRACTOR shall make all arrangements necessary for the protection of these utilities and services and shall notify ENGINEER at least 24 hours in advance.
2. The CONTRACTOR shall be solely and directly responsible to the owner and operators of such properties for any damage, injury, expense, loss, inconvenience, delay, suits, actions, or claims of any character brought because of any injuries or damage which may result from the construction operations under this Contract.
3. Neither the PID nor its officers or agents shall be responsible to a utility owner for damages as a result of the CONTRACTOR's failure to protect utilities encountered in the work.
4. In no event shall interruption of any utility service be allowed outside working hours unless granted by the owner of the utility and approved by the ENGINEER.
5. No sand, mud, rocks or other construction debris shall be disposed of in the sanitary sewers or storm sewers.
6. The CONTRACTOR shall replace, at its own expense, any and all existing utilities or structures removed or damaged during construction, to their existing condition unless otherwise provided for in these Contract Documents.
7. The CONTRACTOR shall repair or replace, at its own expense, all pavement damaged during the construction, to its existing condition unless otherwise provided for in these Contract Documents.

D. Names of Known Utilities Serving the Area

1. The following is a list of the known public utilities serving the area:
 - a. Water – Paradise Irrigation District
 - b. Sewer – None
 - c. Stormwater – Town of Paradise
 - d. Communications – AT&T, Comcast
 - e. Electric – PG&E
 - f. Gas – PG&E

E. Railroads

1. The CONTRACTOR shall not perform work or occupy any part of railroad property without a permit authorizing the same.

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F. Interfering Structures

1. The CONTRACTOR shall take necessary precautions to prevent damage to existing structures whether on the surface, above ground, or underground.
2. The CONTRACTOR shall protect all existing structures, trees, shrubs, and other items on the project site that are to be preserved, by substantial barricades or other devices commensurate with the hazard, from injury or destruction by vehicles, equipment, workmen, or other agents.
3. Where existing fences, gates, buildings, retaining wall, or any other structure must be removed to properly carry out the work, or are damaged during the work, they shall be restored at the CONTRACTOR's expense to their original condition or better.
4. Without additional compensation, the CONTRACTOR may remove and replace in a condition as good as or better than original, any small structures such as fences, and signposts that interfere with the CONTRACTOR's operations. All removal and replacement of small structures, included but not limited to fences and signposts, will first be approved by ENGINEER.

G. Field Determinations

1. At each assigned address, the CONTRACTOR shall identify whether an RP, DC, or no backflow device is present.
2. The CONTRACTOR shall locate each service lateral in the field.
3. The CONTRACTOR shall locate each angle stop in the field.

H. Field Relocation

1. During the progress of construction, it is expected that minor relocations of the work will be necessary.
2. Such relocations shall be made only by direction of the ENGINEER.
3. If existing structures are encountered that will prevent construction as specified notify the ENGINEER before continuing with the work in order that the ENGINEER may make such field revisions as necessary to avoid conflict with the existing structures.
4. If the CONTRACTOR shall fail to notify the ENGINEER when an existing structure is encountered, and shall proceed with the work despite this interference, CONTRACTOR shall do so at their own risk and at no additional cost to PID.
5. Any CONTRACTOR request(s) for additional compensation or contract time resulting from necessary field relocations will be considered as set forth in the General Conditions.
6. If the CONTRACTOR fails to notify the ENGINEER when a structure which interferes with construction is encountered, and proceeds with the work despite this obstruction, the CONTRACTOR shall do so at their own risk and at no additional cost to the OWNER.

1.4 SEQUENCE AND PROGRESS OF WORK

- A. The CONTRACTOR shall submit a Construction Schedule covering the entire Work in accordance with Section 01320, Progress Schedule.
- B. The CONTRACTOR shall incorporate the requirements of Section 01130, Special Project Constraints, into the Construction Schedule.

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C. Alternate Sequence:

1. The CONTRACTOR's schedule may use a different sequence from that shown or specified, if techniques and methods known to the CONTRACTOR will result in cost and time savings to the PID, and still achieve the required objective.
2. The ENGINEER's determination on the acceptability of any alternative sequence from that shown or specified shall be final.

1.5 CONTRACTOR'S USE OF WORK AND/OR STORAGE AREAS

- A. The CONTRACTOR shall be solely responsible for obtaining and paying all costs in connection with any additional work area, storage sites, access to the site or temporary right-of-way, which may be required for proper completion of the Work.
1. It shall be understood that responsibility for protection and safe-keeping of equipment and materials on or near a project site will be entirely that of the CONTRACTOR and that no claim shall be made against PID or their authorized representatives by reason of any act.
- B. The CONTRACTOR shall be required to share use of the premises with other Contractors whose services PID has obtained or will obtain for construction of other facilities on the site.

1.6 REQUIRED PERMITS

- A. The CONTRACTOR shall be responsible for obtaining an Encroachment Permit with the Town of Paradise.
- B. The CONTRACTOR shall be responsible for obtaining an Encroachment Permit with Caltrans for work on Clark Road below Pearson Road and within the Caltrans right of way.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

++ END OF SECTION ++

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Revisions to Specifications – Additional paving coordination requirements

1. Section 01130 – Special Project Constraints

SECTION 01130

SPECIAL PROJECT CONSTRAINTS

PART 1 - GENERAL

1.1 LIMIT OF CONSTRUCTION ACTIVITIES ON WORK SITE

A. Traffic Control:

1. Contractor shall be responsible for traffic control as necessary to safely accomplish all work. At no point may both lanes of a roadway be closed to traffic in excess of 10 minutes. If a single lane is closed, contractor must maintain flaggers in accordance with federal, state and local safety standards.
2. During non-work hours, the CONTRACTOR shall keep all lanes of traffic open and clear. All trenches shall be backfilled or covered with suitable steel plates and open to traffic. All plates shall be pinned and secured with cutback to prevent movement of plates under local traffic conditions. Local traffic may include atypical hauling, heavy trucking, and heavy equipment due to recovery operations.
3. Any cost for emergency response required by the Town of Paradise Public Works crew in off-work hours to address the movement of plates or insufficiency of roadway patching such that a hazardous condition is created will be the responsibility of the CONTRACTOR.
4. No equipment, construction material or excavated material that will interfere with traffic shall be stored on streets, shoulders, or roadways at any time.

1.2 SEQUENCE OF WORK

A. General:

1. The DISTRICT or ENGINEER shall provide the CONTRACTOR with a prioritized list of project site locations. The DISTRICT shall retain the right to adjust the priority order of site locations at any time.
2. ENGINEER will indicate which sites require the installation of Service Lateral and Meter Box Only, Backflow only, or Service Lateral, Meter and Backflow for a full installation. The DISTRICT reserves the right to add additional work items to a project site assignment up to the time of installation.
3. The CONTRACTOR shall provide three independent crews to approach the work in the following two groupings:
 - a. Two crews shall work through the assigned project sites by means of preestablished zone groupings, completing the required work at each site within a zone area before moving to the next. This component of contractor staffing shall be sized to meet a minimum production rate of 120 sites completed per month or 3 sites completed per crew per day.
 - b. One crew shall be available at all times to address assignments designated as Priority by the ENGINEER. These sites may be anywhere within the DISTRICT's service area and non-contiguous to each other. Sites must be completed within 4 weeks of assignment as a Priority location. This component of contractor staffing shall be sized to meet a minimum production rate of 20 project sites completed per week. If the production rate of the crew assigned to Priority installations exceeds the number of assigned Priority sites, this crew may be redirected intermittently to work on the regular zone addresses outlined in item 3a above as

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long as all Priority addresses are accomplished within the allowable 4 week time frame from the time they are assigned.

4. The CONTRACTOR shall supply a sufficient quantity of personnel certified to test backflow devices to allow for prompt installation, reconnection and testing of backflows where assigned. Work sites for which multiple scope items are assigned (service lateral, meter, and/or backflow) should not experience multiple service outages in order to facilitate the installation of assigned work without ENGINEER'S prior approval of special circumstances.
 5. The OWNER's water distribution system must remain operational at all times.
- B. DISTRICT or ENGINEER Assistance in the Field
1. The CONTRACTOR shall contact the ENGINEER immediately if DISTRICT assistance is required in the field for any of the following or similar circumstance:
 - a. A leak is discovered on DISTRICT OWNED FACILITIES
 - b. Site conditions require ENGINEER or DISTRICT determination of installation configuration
 - c. Resident/Customer issue or complaint preventing the continuation of work
 - d. Installation conditions outside of the Scope of Work
 2. CONTRACTOR shall allow a minimum 30-45 minutes of response time for requested assistance. CONTRACTOR shall make prompt notification of issues to the ENGINEER as they arise to facilitate the most efficient use of DISTRICT staff time where needed.
 3. DISTRICT reserves the right to charge CONTRACTOR for costs associated with the ENGINEER or DISTRICT's response to a leak, customer issue, or damage caused by the CONTRACTOR as a result of a failure to operate or conduct work within the bounds of this Contract.

1.3 PUBLIC NOTIFICATION REQUIREMENTS

- A. The CONTRACTOR shall be responsible for public notification of planned work at each address/work site. CONTRACTOR shall schedule each site's work within the following time windows, making every attempt to complete work within the noticed window:
- 7am-10am
 - 9am-2pm
 - 1pm-4pm
- B. The CONTRACTOR shall make two rounds of notifications for planned work as outlined below:
1. Two Week Advanced Notice – CONTRACTOR shall make notification of planned work in the area and a resulting related service outage at each address a minimum of two weeks and maximum of three weeks in advance of the date of planned work.
 - a. Notice shall include an estimate of work timing no less specific than a one-week window of time.
 - b. Notice shall be made via phone call/message to a contact number provided by the DISTRICT associated with each address, AND via weather-resistant printed notification in the form of a door hanger or if there is no structure present by means of a paper notice staked in the yard at each address.
 - c. Content and wording of notices (door hangers and printed notices) shall be provided in PDF format by the DISTRICT or ENGINEER excepting fillable date fields to be infilled by the CONTRACTOR.

2. 48 Hour Advanced Notice – CONTRACTOR shall be responsible for a second round of notice 48 hours in advance of a specific projected 4-hour time window for the work assigned at each location.
 - a. Notice shall be made via weather-resistant printed notification in the form of a door hanger or if there is no structure present by means of a paper notice staked in the yard at each address.
 - b. Content and wording of notices (door hangers and printed notices) shall be provided in PDF format by the DISTRICT or ENGINEER excepting fillable date/time fields to be infilled by the CONTRACTOR. DISTRICT reserves the right to update contact information and/or public messaging information intermittently.
- C. Changes in Scheduled Work
 1. Any changes in projected dates/times for planned work must be communicated to the ENGINEER immediately.
 2. Any changes in projected dates/times for planned work, including but not limited to field conditions, weather, and/or changes to the Priority of assigned sites by the DISTRICT, shall result in renotification of the public by the CONTRACTOR.
 - a. Any change to the schedule resulting in the inaccuracy of the original Two-week Advanced Notice or the 48 Hour Advanced Notice must be corrected by the CONTRACTOR and notice given again, resetting the time periods of notice given.
 - b. Any schedule changes minor enough to still fall within the windows given in the notices does not necessitate renotification.
 - c. Renotifications must be made in the same manner as original notification.

D. CONTRACTOR shall maintain a detailed log of all public notifications. Data shall be broken down by address, date/time, notification type, success of any phone contact/messages left, type of printed notice left on site, and any other pertinent data. This shall be updated daily and maintained on Microsoft Sharepoint or a similar DISTRICT approved document sharing tool for regular viewing access by the ENGINEER and/or DISTRICT staff.

1.4 PAVING COORDINATION

- A. The CONTRACTOR shall provide a weekly .kmz file type showing highlighted areas of projected work for the coming week. This shall be provided to the Engineer no later than Thursday of each week.
- B. The CONTRACTOR shall attend weekly remote paving coordination meetings with the Town of Paradise to coordinate with other contractors and in-road work within the Town of Paradise.

~~D.~~_____

~~1.4~~—1.5 GPS AND INSTALLATION DOCUMENTATION REQUIREMENTS

- A. The CONTRACTOR shall be responsible for documentation of all installation data, collected and stored using Mobile MMS software by Websoft Developers to interface installation data with the DISTRICT's existing GIS records. Mobile MMS installation report format shall at minimum include photos and details of all billable items of work, tests and

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results, site issues, preconstruction and post construction conditions. Format shall be submitted to ENGINEER for review and approval prior to the beginning of installations.

B. Contact information for Websoft Developers is listed below:

<https://www.websoftdev.com/>

Owner: Sean Dingman

(530) 759-0923

1.5—1.6 PROJECT CONSTRAINTS

A. Maintenance of PID's Operations:

1. Constraints listed herein involve limits on activities during construction. These limits relate to the critical nature of the existing water system.
2. Continuous operation of PID's facilities is of critical importance. Schedule and conduct activities to enable existing facilities to operate continuously, unless otherwise specified.
3. Minimize to the greatest extent possible the duration of any interruptions to customer water service. If a customer is obviously using water at that time, inform the ENGINEER or INSPECTOR immediately. Direction may be given to move to the next project site by the ENGINEER and completed work at a later time or date.
4. Perform Work continuously during critical connections and changeovers, and as required to prevent interruption of PID's operations.
5. Shutdowns:
 - a. If installation of a service lateral requires the shutdown of the main, work must be coordinated and accomplished alongside DISTRICT Operations personnel. Such coordination requires a minimum 72 hour notice.
 - b. Main valves must be operated by DISTRICT Operations personnel
 - c. Coordinate proposed Work with PID and facility operations personnel before affecting shutdowns. The CONTRACTOR shall provide written confirmation of the shutdown date and time two (2) working days prior to the actual shutdown.
 - d. Under no circumstances shall the CONTRACTOR cease Work at the end of a normal working day or at the end of a working week if such actions may inadvertently cause a cessation of any facility operating process, in which case, remain onsite until necessary repairs are complete. This shall include interruptions to customer water service unless otherwise approved by the ENGINEER or PID.
6. Do not close lines, open valves, shut down equipment, or take other action which would affect the operation of existing systems, except as specifically required by the Contract Documents and after approval of the ENGINEER.
7. Do not proceed with Work affecting a facility's operation without obtaining the DISTRICT's advance approval of the need for and duration of such Work.

B. Relocation of Existing Facilities:

1. During construction, it is expected that minor relocations of Work will be necessary.
2. Provide complete relocation of existing structures and Underground Facilities, including piping, utilities, equipment, structures, electrical conduit wiring, electrical duct bank, and other necessary items.
3. Use only new materials for relocated facility. Match materials of existing facility, unless otherwise shown or specified.
4. Perform relocations to minimize downtime of existing facilities.
5. Install new portions of existing facilities in their relocated position prior to removal of existing facilities, unless otherwise accepted by OWNER.

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- C. Leaks on Mains:
1. Extreme care shall be taken when excavating existing water mains. If excavating by hydraulic means, water pressure shall not be applied directly to the pipe or used to clean the pipe to remove coatings.
 2. Leaks discovered on mains shall be reported to the INSPECTOR or ENGINEER immediately. Leak repairs shall be made by DISTRICT Operations staff.
 3. The DISTRICT reserves the right to charge the CONTRACTOR for all leak repair costs resulting from negligent work by the CONTRACTOR.
- D. Overtime:
1. Conduct Work outside regular working hours only on prior written consent of OWNER to meet Project schedule and avoid undesirable conditions.
 2. All overtime Work by the CONTRACTOR necessary to conform to the requirements of this Section and related Sections shall be performed by the CONTRACTOR, at no cost to the OWNER and shall be performed in accordance with the General Conditions. The CONTRACTOR shall make no claims for extra compensation as a result thereof.
- E. Ongoing Recovery Operations:
1. Due to the nature of ongoing recovery operations, hazardous tree removal and reconstruction within the Town of Paradise, CONTRACTOR will be required to coordinate and adjust work sequencing to accommodate a variety of activities in proximity to project sites. Every effort shall be made by the CONTRACTOR to avoid interrupting or otherwise preventing other entities from completing their work. If any interruption to the sequencing or timing of contract work is necessary due to these other activities, inform ENGINEER immediately.
- F. In Road Work:
1. Contractor shall be responsible for executing Traffic Control for all in-road work according to all local, state, and federal regulations and safety standards.
 2. Open trench work will not be allowed within the public easement along Clark Road, south of Pearson without a CALTRANS Encroachment permit, to be obtained by the CONTRACTOR
- G. Permitting: Work shall be conducted under the Encroachment Permit obtained by the Contractor from the governing agency whose right-of-way is encroached upon (Town of Paradise). The Contractor is responsible for complying with all applicable conditions listed on the governing agency encroachment permit including payment for inspections by the governing agency.

1.6—1.7 CONSTRUCTION SEQUENCING CONSTRAINTS

- A. The locations where work will be completed as part of this CONTRACT will be selected and prioritized by ENGINEER or the DISTRICT in order to support ongoing operations and/or rebuilding of the Town of Paradise following the Camp Fire.
1. The CONTRACTOR will be provided with a prioritized list of locations where work is to be completed, and the scope of the work to be completed at each site.
 2. For two of the CONTRACTOR's crews, sites will be organized by location into Zones. Work through the zones must be completed in the order of zones provided by the DISTRICT or ENGINEER. A third CONTRACTOR crew will receive assignments of PRIORITY addresses which may be located anywhere within the DISTRICT's service

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area. These Priority sites must be completed within 4 weeks of assignment to the contractor. If these Priority sites are caught up, this third crew may also work through the regular listed locations alongside the first two crews.

3. Adherence to this prioritized list of project locations is of critical importance. CONTRACTOR is required to coordinate with ENGINEER if any deviation from this prioritized sequence becomes necessary.
4. Priority order on the list of assigned locations may be adjusted by the DISTRICT at any time.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

+ + END OF SECTION + +

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