ADDENDUM No. 2

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CONTRACT DOCUMENTS FOR CONSTRUCTION OF JICARILLA APACHE NATION – CUTTER INTERTIE WATER SUPPLY PROJECT

THE JICARILLA APACHE NATION

April 27, 2020

This is ADDENDUM No. 2 to the CONTRACT DOCUMENTS for construction of the JICARILLA APACHE NATION – CUTTER INTERTIE WATER SUPPLY PROJECT, bid package published April 2020. This ADDENDUM No. 2 consists of fifteen (15) pages. All interested bidders are hereby notified of the following modifications to the Contract Documents, as described in detail below.

Item 1. Documentation of pre-bid conference

Minutes from the non-mandatory pre-bid conference held April 04, 2020 at 2 p.m. via teleconference are attached to this addendum.

DISCLAIMER: The pre-bid meeting minutes are not an addendum and are not part of the Bid / Contract Documents. They are not intended to modify, update or interpret the Bid / Contract Documents in any way. In the event of any discrepancy between the Bid/Contract Documents and the pre-bid meeting minutes (or agenda), the Bid/Contract Documents shall govern.

Many but not all topics addressed in the pre-bid conference are also included as items in this addendum.

Item 2. Clarification regarding funding

This Project is funded, at least in part by the State of New Mexico.

Item 3. Clarification regarding work permits (*Technical Specification 01 00 00, Article 1.3.B; Appendix B*)

The winning Contractor and all subcontractors that will be on the project site should submit work permit applications (for the vendor, individual employees, and vehicles) electronically by email to Tunte Chavez at Dept. of Labor ((575) 759-4412; <u>complianceceo@ymail.com</u>).

The Jicarilla Dept. of Labor also requested during the pre-bid conference that the winning bidder and subcontractors should notify Tunte Chavez approximately three weeks prior to their anticipated start of work onsite to move permitting process forward as fast as possible. Due to COVID-19, work permit applications are being processed by email and mail only at this time. If contractors or subcontractors are found to be working on the project site without a permit they will have to leave the project site and will be subject to fines/tickets. If bidders have questions during the bidding process regarding work permits, the Jicarilla Department of Labor Ordinance, or wage rates (also see Item 5 below), questions should be directed to Tunte Chavez at the email provided above, with copy to the Engineer.

As indicated in Article 1.3.B, no additional compensation will be provided for obtaining these permits and all costs will be considered incidental.

Item 4. Clarification regarding bid pricing and taxes (Instructions to Bidders)

The Owner referenced during the pre-bid meeting that some Oil & Gas work on the Jicarilla Reservation is applied a 6% tribal tax, that is different from New Mexico Gross Receipts Tax. The Owner is in the process of defining whether this 6% tribal tax (which one potential bidder referred to as a TERO tax), New Mexico Gross Receipts Tax, or both will be applied to the project.

Although the winning bidder will be responsible for paying applicable taxes (*Instructions to Bidders, Article 7.09*), *Article 22* makes clear that New Mexico Gross Receipts Tax shall not be included in the bid pricing.

It is anticipated that the applicable local NMGRT will apply, and that the discussed separate 6% tribal tax most likely will not apply. Consistent with Article 22, neither of these taxes should be included in the Contractor's bid. As applicable, these taxes will be added to each pay request.

Item 5. Clarification regarding minimum wage (*Technical Specification Section 01 00 00, Article 1.7*)

A potential bidder asked during the pre-bid conference: Is there a wage decision?

The Engineer indicated, consistent with Article 1.7, that minimum wage for work on Jicarilla Apache Reservation applies (\$10/hr at present). No other special Federal or State wage rate determinations (or decisions) apply. The Owner confirmed \$10/hr as the correct minimum wage on the Jicarilla Apache Reservation during the pre-bid meeting.

Item 6. Clarification regarding pipeline Phasing

The Engineer provided the following clarifications regarding pipeline phasing during the pre-bid conference:

Phase 1 of the project (a.k.a. NGWSP Reach 24.1 JAN), *See Sheet C-1*, is already constructed and ends at the boundary of JAN Reservation. Permission to Tap from the Navajo Tribal Utility Authority (NTUA) must be obtained to connect the Project to Reach 24.1 JAN (See Item 10 of this Addendum for more details).

Phase 2 (This Project) begins at the boundary of JAN Reservation and continues north, beginning with 10" pipeline, the tank site referenced above, and then east from the tank site as a 12" pipeline. Only Phase 2 work and quantities are included on the bid form.

- Bureau of Land Management Lands and Navajo Tribal Fee Lands lie west of the project site (before Station 0+00, *Sheet C-5*) along the Reservation Boundary. No project work other than access via existing roads is anticipated on these lands.
- The western terminus of This Project (Phase 2), is at Station 129+10 (Sheet C-9).

Phase 3 referenced on some Sheets is NOT INCLUDED in scope of work being bid. Plan & Profile Sheets C-10 through C-21, and any associated site plans and details for Phase 3 have been excluded from the Design Drawings and are therefore noted as "Not Used".

An electronic .kmz file is attached to this addendum which includes the alignment of Phases 2 and 3 of the JAN Cutter Intertie, with pins identifying the start and end of the Phase 2 waterline (This Project). The JAN Border Tank site right of way limits are also delineated, as well as suggested access routes further discussed in Item 7 below.

Item 7. Clarification regarding access routes

During the pre-bid conference, the Engineer described available routes to reach the Project from highway 550, noting that vehicle travel via the project ROW may not be feasible across the wash crossing at Station 42+11.6, as this crossing is to be HDD installed (wash banks may or may not be passable).

The information below is revised from that provided in the pre-bid meeting, to reflect additional routes verified in the field since the pre-bid conference. Driving distances from highway 550 to the tank site requested in the pre-bid conference are also provided below.

- 1. Access roads that intersect highway 550 to access the project site are described below. After reaching the project site, other roads shown on the drawings, some of which are also delineated on the attached .kmz file can be used to reach both the west and east ends of the Project.
 - a) Jicarilla Tribal Road J-23 is labeled on sheet C-1 and intersects highway 55 within Section 34, halfway between Highway 550 mile markers 91 and 92.

- i. J-23 can be used to access the tank site, however, the road described below provides a shorter route.
- An additional dirt road (not labeled on the design drawings) meets highway 550 within Section 29 (also on Jicarilla Reservation), and is visible on Sheet C-1, intersecting highway 550 between mile markers 93 and 94 (approx. 0.2 miles northwest of mile marker 93).
- iii. This road provides the shortest route to the JAN Border Tank Site alignment and the west end of the project alignment (Station 0+00) from the highway (4.62 miles).
- iv. The east end of the project alignment (Station 129+10) can also be accessed from this road.
- b) Indian Service Route 474 meets highway 550 northwest of the Jicarilla Reservation, and may also be useful for accessing the JAN Border Tank Site and west end of the project alignment (Station 0+00) alignment. The distance from US 550 to the tank site is 6.5 miles along this route.
 - i. This route uses existing roadways through BLM and Navajo Nation lands to access the site.
 - A lock combination for the fence line along the JAN Reservation boundary must be obtained by the winning Contractor from the Owner if this route is to be used. Coordination with the Owner, Engineer, and adjoining landowners, if necessary, to obtain access through this fence line is incidental to the work.
- 2. Other J-roads and unnamed existing dirt roads within the project area may also be used.
 - a) Rather than travel across the wash centered at approximately Station 42+11.6 within the project ROW, the contractor may utilize an existing road to the north of the wash crossing (see attached .kmz).
 - i. The wash banks at the HDD installed wash crossing should not be disturbed by the Contractor without approval from the Engineer.
 - ii. Additional costs for supplemental erosion controls required by the Engineer, SWPPP, permitting, restoration or other mitigation that may be incurred should the Contractor disturb the wash banks at the HDD installed wash crossing shall be borne entirely by the Contractor at no expense to the Owner.
 - b) <u>Do not use 'Private Roads' labeled on Sheet C-1 and C-2, unless otherwise directed by the project Owner.</u>
- 3. Confirmed access routes beginning at J-23, the unlabeled road described in 1.b) above, and Indian Service Route 474 are included in the .kmz file attached to this addendum.

Item 8. Clarification regarding additional staging and storage areas at Teepee Junction (*Technical Specification Section 01 00 00, Article 1.3.R.4*)

During the pre-bid conference, the Owner confirmed that in addition to staging and storage areas along the project right of way (ROW) and Temporary Construction Easement (TCE) discussed in *Article 1.3.R.4*, there may be additional room available for staging and storage at Teepee Junction. Use of this area must be requested by the winning bidder for approval at the Owner's discretion.

Item 9. Clarification regarding Water for Construction and addition of water purchase & hauling agreement forms (*Technical Specification Section 01 00 00, 1.3.L*; *Appendix I*)

As described in Article 1.3.L, as a convenience, the Owner has made construction water available for purchase by the Contractor. The Contractor, however, is not required to purchase construction water from the Owner.

During the pre-bid meeting, the volume of the Owner's storage tanks was incorrectly referenced. The volume of these storage tanks referenced in Article 1.3.L.1.a as 12,500 gallons each is correct.

Appendix I, a copy of the Owner's Water Purchase and Hauling Agreement is hereby been added to the bid documents. Appendix I is attached to this addendum and includes costs and fees applicable for the year 2020 for water purchased from the Owner.

All costs associated with purchase, permits, hauling, etc. for construction water shall be considered incidental.

Note that the purchase of water from the Owner is coordinated through the Jicarilla Apache Nation Water Administration, not through JAUA, and not through NTUA. See Items 10 and 11 of this addendum, respectively, regarding coordination with NTUA and JAUA. See Item 10 of this addendum regarding NTUA water that is only available for filling and flushing.

Item 10. Clarifications and modifications to specification regarding coordination with NTUA and use of NTUA water for filling/flushing (*Appendix F; Technical Specification Section 01 00 00, Article 1.14.E*)

A potential bidder asked: Is there an estimated amount of potable water required to fill entire pipeline and will the source (NTUA [existing Reach 24.1 pipeline]) meet the demand for filling and flushing entire [Project] pipeline?

NTUA's water system will provide the potable water for filling and flushing the constructed storage tank and pipeline, after obtaining Permission to Tap from NTUA and a separate Water Use Permit from the Navajo Nation Water Code Administration (consistent with Article 1.14.E). This NTUA water will be metered and delivered to the Project after tapping the existing Reach 24.1 JAN pipeline, at Station 0+00 of the Project.

The estimated volume to fill the pipeline and storage tank one time is 225,000 gallons, considering the pipeline lengths to the nearest tenth of a mile and storage tank volume reported in the project description. NTUA water has been used successfully to fill and flush multiple existing upstream phases of the Cutter Lateral project (including Reach 24.1 JAN that this Project connects to). Many of these existing pipeline phases and associated storage tank sites required significantly larger fill volumes than this Project. This information is provided for bidder's convenience only, and in no way changes the requirement to avoid infringing on NTUA's ability to serve its existing customers, as further detailed in Article 1.14.E.

A potential bidder asked: Who will be the contact person with NTUA and can the direct contact information of individual be provided?

In addition to the NTUA permission to tap forms provided in Appendix F, NTUA's phone number, (800) 528-5011, is provided on Sheet G-2 of the Design Drawings. It is anticipated that Permission to Tap will be requested through NTUA Headquarters (in Window Rock, AZ), however, NTUA headquarters may delegate other aspects of coordination with the Contractor to the local NTUA district office. More details regarding who the winning bidder will coordinate with at NTUA regarding Permission to Tap, metering, and coordination of available flow rates for filling and flushing will be provided to the winning bidder at the preconstruction meeting.

Pertinent to coordination for NTUA water used, an incorrect Appendix reference and incorrect email were provided in Articles 1.14.E.2 and 1.14.E.6.

Articles 1.14.E.2 and 1.14.E.6. are hereby been corrected and now read:

- 2. Contractor shall obtain permission to tap from the Navajo Tribal Utility Authority (NTUA). A blank Permission to Tap application form is provided in Appendix <u>F</u> H. Contractor shall not connect to existing NTUA system without written permission from NTUA and the Engineer to proceed.
 - •••
- Contractor is advised that a Water Use Permit from Navajo Nation Water Code Administration (NNWCA) is required for use of the NTUA water. Contact Wayne Williams Marjorie Natonabah at (928) 729 – 4132 or wwilliamsjr@navajo-nsn.gov mnatonabah@navajo-nsn.gov for more information.

The Engineer noted during the pre-bid conference that **costs invoiced by NTUA and the Navajo Nation for** *filling and flushing water are reimbursable* and noted that NTUA water should not be used as construction water for purposes other than filling and flushing.

Consistent with this, Articles 1.14.E.9 and 1.14.E.10 are hereby added and read:

- 9. Permitting costs and metered water use fees paid to NTUA and NNWCA for the purposes of potable NTUA water used for filling and flushing only will be reimbursed to the Contractor based on NTUA and/or NNWCA invoices submitted. Reimbursement will be paid from the Testing Allowance provided on the bid form, in accordance with Article 1.8 of this specification.
- 10. <u>NTUA water shall be used for only for filling and flushing of the Project pipelines and storage</u> tank and shall not be used as construction water for other purposes.

Also note that NTUA and NNWCA will charge the Contractor for water use according to the rates applicable at the time of use. NTUA rates may vary from those included in Appendix F that are provided as an example only.

Item 11. *Clarification of role and coordination with JAUA* (*Technical Specification Section 01 00 00*, *Article 1.14*)

JAUA will not be the Owner's RPR for the project. However, JAUA will be on the job site, on a full time or periodic basis as JAUA deems necessary, to gather its own survey data (in addition to that gathered by the Owner's Surveyor) of the constructed work and to inspect work. Coordination with JAUA is incidental to the Contractor's work.

The Engineer also clarified during the pre-bid conference that there are no existing JAUA utilities that will be crossed or tapped during construction of the Project. Tie-in to existing JAUA facilities, such as referenced in Article 1.14.F, apply to Phase 3 of the JAN-Cutter Intertie and is not included in the scope of work of the Project being bid.

Item 12. Modification of allowable maximum pipeline fill rate (*Technical Specification Section 33 11 13, Article 3.14.D*)

Article 3.14.D is hereby modified and now reads:

D. Unless otherwise directed by the Engineer, the maximum allowable instantaneous flow rate shall be <u>300</u> 420 gpm. Note that actual allowable maximum fill rate based on availability of water from NTUA's existing facilities may be significantly less than this amount. Contractor shall schedule sufficient time for filling and flushing to account for actual water availability from NTUA.

Item 13. Clarification regarding disposal of water flushed from pipeline (*Technical Specification Section 01 00 00, Article 1.3.Q*)

During the pre-bid conference a potential bidder asked: Will flush water need to be dechlorinated and where would it go?

The Engineer clarified that prior to discharging water through flush valves included in the Project design, the Contractor would need to at a minimum obtain a U.S. EPA 402 permit and neutralize any water chlorinated to levels equal to or lower than those normally associated with drinking water.

Item 14. Clarification regarding anticipated Notice to Proceed

A Potential bidder asked during the prebid: When is it anticipated that the Notice to Proceed would be issued?

Under normal circumstances, after opening bids, it would take approximately a month to execute a Contract between the Owner and Contractor, allowing the Owner to issue a Notice to Proceed by early June, 2020. However, the COVID-19 situation is unpredictable and could delay this process.

After the Contract has been executed, in the event that work onsite cannot commence immediately due to COVID-19 related delays, the Owner may issue an initial partial notice to proceed that would allow the

Contractor to start the submittals review process and begin ordering materials, and be paid for stored materials. Delays caused related to COVID-19 would not be counted against Contract Times.

Item 15. Clarification regarding retainage (C-520 Agreement)

The Engineer clarified in the pre-bid conference that no retainage will be withheld, considering requirements State of New Mexico funded work, consistent with article 6.02 of the Agreement.

Item 16. Modifications to specifications regarding road permits (*Technical Specification Section 01 00 00*)

The Engineer clarified in the pre-bid conference that the Project (Phase 2 of the pipeline) does not cross any BIA, NMDOT, or Sandoval County roads, and therefore Article 1.3.A is hereby modified to read as follows:

A. Contractor shall abide by all permit stipulations and requirements, including but not necessarily limited to BIA and Jicarilla Apache Nation environmental and archaeological stipulations, <u>and</u> utility encroachment agreements or requirements, and BIA Jicarilla, Sandoval County, and New Mexico Department of Transportation road crossing and access permits, where applicable, regardless of whether such permits are obtained by the Owner, Engineer or Contractor.

Article 1.14.D is also hereby modified and now reads as follows:

- C. Contractor shall obtain permits from BIA-Jicarilla and Sandoval County prior to encroaching on any county or BIA roads, except for permits already obtained by the Owner or the Engineer.
 - 1. Contractor shall notify the BIA-Jicarilla and the Engineer at least five (5) working days prior to working within the ROW of any BIA Jicarilla tribal road.

Item 17. Clarifications regarding utility crossing and encroachment (*Technical Specification Section 01 00 00*)

During the pre-bid conference, the Engineer confirmed the following:

Petroleum resistant gaskets will be required for gasketed pipe wherever waterline is within 200' of petroleum/gas lines. Petroleum resistant gaskets are NOT required in other areas.

Although JAUA will operate the Project once constructed, there are no known existing JAUA waterlines in the (Phase 2) Project area.

Known existing overhead electric distribution lines are shown on the plans.

The Engineer did complete design one-call, notify, and coordinate with all known utilities during the design process. All requirements provided by the utilities at the time of advertisement of bid are incorporated in the design, but the Contractor is still responsible to comply with NM One Call 811 requirements, and shall coordinate with the existing utilities during construction and comply with any additional utility crossing or encroachment requirements identified.

Item 18. Clarification regarding applicability of electrical and building permits (*Technical Specification Section 01 00 00*)

As no significant electrical or building construction is included in this Project, it is not anticipated that permits for building or electrical work will need to be obtained from the New Mexico Industries Construction Division.

Item 19. Clarification regarding applicability of 404 permits and 401 certifications (*Technical Specification Section 01 00 00, Article 1.3.G*)

Since the initial design of this project, the definition of Waters of the United States changed in 2019, and a 404 permit and 401 certifications have not been acquired and are no longer anticipated to be necessary for the construction of this Project.

However, applications are available online at the USACE website should the Contractor need to obtain a permit.

Item 20. Clarification regarding SWPPP (*Technical Specification Section 01 00 00, Article 1.3.H*)

The Drawings include specific erosion control features to protect the pipe. These features are not part of the SWPPP. Features called out in Drawings shall be paid under their respective bid items. All features included in SWPPP shall be paid under the SWPPP bid item.

Item 21. Clarifications regarding rock removal (*Technical Specification Section 01 00 00, Article 1.3.K.;* Section 31 23 18; Section 31 23 17; Bid Form Item 13)

A potential bidder asked: Where on the jobsite is rock excavation anticipated? Looking at the geotechnical report giving, the only area that showed rock is not part of this phase.

In addition to information provided in the geotechnical report (<u>Exhibit A</u>) referenced by the potential bidder, Exhibit B, Soil and Rock Potholing Information, is also provided. <u>Exhibit B</u> considers more locations where potholing was completed than Exhibit A and <u>does</u> indicate rock present at depths to refusal less than the anticipated trench depth along the alignment of this Project (Phase 2).

This data in <u>Exhibit B</u> is provided for informational purposes only and will not be used as a basis for payment. Final quantities will be determined in the field during the construction process, in coordination with the Engineer.

A potential bidder asked: Does The Jicarilla Apache Nation have a designated disposal site for rock from rock excavation?

Excavated rock may be disposed of within the ROW if the conditions stipulated in Section 31 23 17 – Trenching, Article 3.8, are met. Beyond this, the Owner has not designated a specific disposal site for rock.

Clarification by Engineer during pre-bid conference regarding units of measurement for rock removal:

As the unit of measurement for rock removal is vertical linear feet (VLF), this essentially means that the Contractor is not paid for the width of trenching through rock, but rather calculating the VLF to be paid with field measurements of the depth and length of rock material encountered.

Item 22. Clarification regarding borrow material (Technical Specification Section 01 00 00, Article 1.3.M)

A potential bidder asked: Does The Jicarilla Apache Nation have a designated borrow source for suitable fill backfill? If so, are there any costs associated with obtaining material?

This question is addressed by Article 1.3.M, that reads:

- M. No dedicated borrow area for fill material has been pre-determined for this project. Material may be borrowed from within the designated ROW, provided all conditions set forth in the specifications are met.
 - 1. For Bidders' convenience only, the following background information is provided: The native soil that was excavated on the last three (3) phases of the nearby Cutter Lateral pipeline stretching north, south and west of the project vicinity was predominantly suitable bedding material. No bedding material was imported from outside the project areas for the last three (3) phases of Cutter Lateral. For the last phase of the project (3 miles to the west), it is estimated that 90% of the excavated material was suitable bedding material. The remaining 10% was borrowed from within the project ROW. However, the soils found in constructed phases of Cutter Lateral are not necessarily representative of the soils that will be encountered in the current Project. Bidder is not entitled to base his/her bid upon this information.

The Owner will not charge fees or other costs to the Contractor for borrow material obtained within the ROW. The Contractor's own costs for obtaining borrow material within the ROW are incidental to the work.

Item 23. Clarification regarding soil cement slurry and soil pads (*Technical Specification Section 01 00 00, Article 1.3.N*; Section 31 23 25)

A potential bidder asked: Will soil *cement* pads be required for entire pipeline installation? Could this be achieved using bedding material or only soil cement?

This question is addressed by Article 1.3.N, which reads:

N. Contractor is advised that compaction requirements shall be strictly enforced. In the event that the contractor is unable to meet compaction requirements for pipe embedment using select material, the Contractor shall have the option to use soil cement at no additional cost to the Owner.

Thus, soil cement slurry, and the associated soil pads, <u>are NOT required for any portion of the pipeline</u>. Soil cement slurry pipe embedment is included in the design only as a method to meet compaction requirements at the Contractor's option. Design Drawing Sheet DT-1 provides details for either type of pipe embedment, but notes embedment using only select material as 'typical'.

If soil cement slurry is used for embedment, soil pads could be provided using bedding material. Installation with only soil cement, but without soil pads or other approved compressible material, is not acceptable.

Potential bidders should reference Section 31 23 25 – Soil Cement Slurry for more details regarding the use of soil cement.

Item 24. Modification and clarification regarding fence and gate requirements (*Technical Specification Section 01 00 00, Article 1.3.S*)

As no gates or openings in the fenceline along US 550 are to be created as part of this Project (Phase 2), Article 1.3.S is hereby modified and now reads as follows:

S. Contractor shall restore fences to original condition or better, and shall install 10-ft wide lockable 'rancher-style' gates with H-braces on both sides within pipeline right-of-way at all fence crossings. Each post shall be embedded in 3,000 psi concrete 36-inch deep, 18- inch diameter. Attach wire to the H-braces prior to cutting the fence to prevent slacking of wire. Contract shall repair all gates and fences in a timely manner to prevent livestock ingress/ egress.

1. Fence and gate requirements may vary along US 550. See plans for details.

A potential bidder asked: Will there be any fence crossing requirements for this project where any Rancher style gate with H brace will be required per sheet DT-2? Looking at the drawings they show no existing fencing that will be crossed.

At least one fence crossing that will require the Rancher style gate detailed on Sheet DT-2 is present along the pipeline alignment and is shown at Station 87+35.1 on Sheet C-8.

Item 25. Clarifications regarding hydrostatic pressure testing requirements (*Technical Specification Section 01 00 00, Article 1.3.S*)

During the pre-bid conference, a potential bidder asked: We are used to following a standard 150 psi pressure test (referenced a State of New Mexico standard). Does contractor complete a 150psi pressure test or follow the hydrostatic provided on sheet [Appendix H]?

Consistent with Article 3.16 of Technical Specification Section 01 00 00, the test pressures used for hydrostatic testing shall be in accordance with Appendix H to the Contract Documents.

Note that Appendix H was developed to pressure test the low point in each defined test section at 235 psi, which is the working pressure rating of DR18 PVC pipe. Materials specified in the project design will not be required to be submitted to pressure tests higher than the hydrostatic pressure test limits recommended by the manufacturer.

Potential bidder asked: What is the pressure of the existing system [Reach 24.1 JAN, to which the Project will be connected]?

The existing Phase 1/ Reach 24.1 JAN line this project ties into at Station 0+00 is constructed with DR18 PVC piping and was tested at pressures comparable to those required for this Project or higher. An existing isolation valve (rated to 350 psi working pressure) at the end of Reach 24.1 JAN has already been similarly pressure tested and will be used to isolate the start of the first pressure test section for this Project.

The pressure test indicated on Appendix H for the first stretch of the pipeline, from Station 0+00 to the tank site (and including tank site piping) has been reduced (from the 235psi maximum required elsewhere) to limit test pressure on the tank site to a maximum of 200psi.

Item 26. Clarifications regarding joint restraints and fusible PVC (*Technical Specification Section 01 00 00, Article 1.3.S*)

During the pre-bid conference, a potential bidder asked: Is [restrained pipe required] for all valves, fittings, etc.?

The restraint lengths in the table provided on Sheet DT-3 apply to all Fittings (including Tees, Isolation Valves / Dead Ends, and Cased pipe), horizontal and vertical bends or sweeps.

During the pre-bid conference, a potential bidder asked: Is all PVC pipe at the tank site to be fusible PVC?

A potential bidder later asked: Will Bell harness restraints be allowed in the Plant Site or will only Fusible be Allowed in the Plant Site [tank site]?

All pipe, valves and fittings within the tank site do need to be restrained. Bell harness restraints are not an acceptable restraint system for this project.

However, where sections of PVC pipe between fittings are 20 feet or less long, and restrained pipe is required, a continuous piece of bell and spigot pipe can be used in lieu of fusible PVC in these locations on the tank site or elsewhere.

- All restrained PVC sections longer than 20 feet shall use fusible PVC.

The Engineer noted during the pre-bid conference that tank site piping (which all must be restrained) begins at the tank site ROW, not the tank site fence line.

Item 27. Correction of item numbering on bid form (Bid Form)

The Item Numbering on the bid form first published and provided to potential bidders unintentionally skipped item numbers 16 and 18. These are not actual missing work items or quantities.

The bid form has been updated and renumbered to address this issue. The bid form now includes items 1 through 32 with no item numbers skipped. The updated bid form is attached to this addendum.

All bidders shall use the most recent version of the bid form provided when submitting their bid.

Item 28. Clarifications regarding Water Utility Valves (Technical Specification Section 33 12 16)

The Engineer provided the following clarifications regarding water utility valves during the pre-bid conference:

- 1. Buried gate valves (Site Valves and Mainline Valves)
 - a. Site Valves and Mainline Valves require different completions at the surface, per specifications and Sheet *DT-6*.
 - i. All Mainline Valves have Warning Placard to be placed on an inner locking valve box lid within a shallow meter can.
 - ii. All Site Valves (with one exception) have a more standard valve box (non-locking lid) and collar with an exposed Valve ID Placard.

- iii. Site Valve No. 11 is to be constructed as a Mainline Valve but also requires an exposed Valve ID Placard. Valve No. 11 is included with the Mainline Valve quantities (10" diameter) on the bid form.
- 2. Altitude Valve Assembly
 - a. See specification regarding important details such as Altitude Valve Assembly design criteria, testing, field calibration/adjustment and operator training requirements.
 - b. See Item 29 of this addendum regarding addition of vent and draft dampener assembly.

Item 29. Addition of vent and draft dampener assembly to altitude valve assembly and vault (*Technical Specification Section 33 12 16; Bid Form, Sheet DT-7***)**

A vent and draft dampener assembly has been added to the Altitude Valve Assembly. Sheet DT-7 has been updated to reflect this change and is provided to bidders electronically via this addendum.

The cost of this vent and draft dampener assembly is incidental to the 6-inch altitude valve assembly with vault item on the bid form.

Item 30. Corrections to bid form and design drawing quantities and labeling (site valves and tank outlets) (*Technical Specification Sections 33 12 16 and 33 16 19; Bid Form, Sheets C-25, C-26, DT-9, and DT-17*)

Two potential bidders asked the questions below.

An updated bid form and select revised Design Drawings have been attached to this addendum.

10" Tank Site Gate Valves: Bid schedule quantities call for 5 EA. The drawings show 6 EA (3- MJ x MJ & 3- FL x MJ). Will bid schedule quantities be revised?

The bid form quantity was incorrect and has been updated to reflect 6 EA of 10" Tank site gate valve assembly, CIP.

What is the correct size of piping and gate valve required for Tank 1 to Tank 2 connection stub out? Sheet C-25 calls for 10" and sheet C-26 calls for it to be 8".

Sheet C-26 has been updated to correctly call out Valve No. 7 as a 10" Gate Valve.

Will the Tank 1 to Tank 2 stub out from new tank be required? This is not shown on DT-17 JAN BORDER TANK DETAILS.

Yes, the Tank 1 to Tank 2 stub out will be required and has been added to Sheet DT-17.

8" Tank site gate valves: Bid schedule calls for 2 EA. The drawings only show 1 – per sheet C-25. Will bid schedule quantities be revised?

The bid form quantity was incorrect and has been updated to reflect 1 EA of 8" Tank site gate valve assembly, CIP.

Item 31. Clarification regarding horizontal and vertical pipe line and grade (*Technical Specification Section 33 11 13*)

A potential bidder asked: The profile drawing for new waterline pipeline shows a required minimum depth of cover as well as frequent changes in slope percentages. Will the minimum depth of cover be acceptable, or will pipeline be required to be laid at slope percentages? (See Item 32 for second half of potential bidder's question)

Potential bidders are required to read all of Article 3.5 (Installation-Pipe) of the above referenced Technical Specification Section, in addition to the excerpt provided below as a response to this question.

The horizontal and vertical lines and grades shown on the Drawings indicate the intent of the design. Actual horizontal and vertical lines and grades in the field may deviate from those shown on the Drawings, provided all of the following conditions are met:

- a. Actual minimum slope of pipe shall not be less than 0.00100 ft/ft.
- b. Actual maximum slope of pipe shall not be greater than 0.40000 ft/ft, except where otherwise noted on the Drawings.
- c. Direction of pipe slope shall not differ from that shown on Drawings.
- d. Minimum pipe cover of 4 feet shall be maintained throughout the project.
- e. Additional minimum cover or specific minimum vertical clearances called out on the Drawings at specific locations, such as wash crossings, road crossings or pipeline crossings, shall be maintained.
- f. In the case of horizontal bends, the outer wall of the pipe must remain at least 12 horizontal feet within the permanent right-of-way boundaries, except where otherwise noted on the Drawings.
- g. At bends near casings, pipe bending and/or off-set from centerline shall be done on the far side of the PI from the casing, to maximize the length of straight pipe in the sleeve on each side of the casing.
- h. All other specifications shall be met.
- i. All deviations from the Drawings shall be documented by the Contractor and must be approved in advance by the Engineer.
 - 1) In certain locations, the pipe elevation and/or slope must remain as shown on drawings to facilitate pipe draining, maintain pressures, or other performance criteria. In such cases, deviation from the Drawings may not be allowed.
- j. Any exceptions to the foregoing conditions must receive prior written approval by the Engineer.
- 2. No high points of any magnitude shall be allowed without an approved air valve assembly. If the As-Built survey of the pipeline reveals high points not shown on the Drawings, Contractor shall correct the pipe grade or install additional air valve assemblies, as directed by Engineer.

Item 32. Correction to specification and clarifications horizontal and vertical bends (*Technical Specification Section 33 11 13*)

The potential bidder also asked: If slope percentages are required, will this require vertical bends to accommodate the slope percentage and will locations of bends and angles be given?

Again, potential bidders are required to read all of Article 3.5. As referenced in the response to Item 31, slope percentages may vary from those called out on the drawings, provided that the conditions in the specifications are met. The modified specification text below is provided in response to the bidder's question.

Article 3.5.H.2 is hereby modified and now reads:

- 1. Actual horizontal and vertical angles required in the field shall be accomplished by a combination of allowable DI ells, fusible PVC sweeps (if applicable), and/or pipe deflection (i.e. pipe bending or joint deflection, as specified below).
 - a. Horizontal bends: At most locations, the plan and profile sheets show horizontal bends without specifying whether the horizontal bend is to be accomplished by DI ells, fusible PVC sweeps, bending of fusible PVC pipe, or joint deflection of jointed PVC pipe. At such locations, the method of bending is at Contractor's option, provided all design requirements set forth in the Drawings and Specifications are met.

Vertical bends: At most locations, The plan and profile sheets show horizontal vertical bends without specifying whether the horizontal vertical bend is to be accomplished by DI ells or fusible PVC sweeps. At such locations, either DI ells or fusible PVC sweeps may be used at the Contractor's option, provided all design requirements set forth in the Drawings and Specifications are met. The plan and profile sheets may show vertical fusible PVC sweeps in some locations. Where fusible PVC sweeps are shown, they must be used.

In addition to the modified specification text above, the clarifications below are provided.

The only locations in the plan and profile drawings of this Project where vertical bends are designed to be accomplished with DI ells or fusible PVC sweeps are on either end of the HDD installed wash crossing at Station 42+11.6. Elsewhere, the pipeline profile alignment has been designed with vertical curves that are within the tolerances of pipe deflection for the specified PVC pipe.

Also see Item 39 of this addendum regarding CAD files of plan and profile sheets that will be made available to the winning Contractor.

Item 33. Clarification regarding above ground pipe markers within the fenced tank site (*Technical Specification Section 33 11 13; DT-2; C-25*)

A potential bidder asked: Will Carsonite Markers be required for the valves within tank site area?

Above ground pipe markers will not be required for the valves within the fence line of the tank site, however, the Contractor shall provide and install a single above ground pipe marker above each buried tee, cross, ell, capped pipe end, and stainless steel saddle tap within the tank site fenced area.

There are eleven (11) such fittings within the fenced tank site area that will require above ground pipe markers.

Item 34. Miscellaneous clarifications made regarding Design Drawings

The following clarifications were made during the pre-bid conference regarding the design drawings:

Earthwork quantities provided on grading plans and road improvement plans are estimates only; Contractor is not entitled to base bid on these quantities.

Grading Plans: Contractor shall verify all elevations and grades of site piping and grading and notify Engineer of any discrepancies or conflicts.

Site Piping Plans: Locations and elevation of flanges, drains and tie-ins are approximate. Contractor responsible to field-check all dimensions and to align all connections.

Do not allow transition between cut and fill underneath or within 5 ft of the tank. Increase overexcavation, if needed, to ensure all structures bear on cut. Over-excavation depths provided in Geotechnical Report and on individual Drawings shall be considered minimums.

Item 35. Clarification and specification change regarding American Made Materials

A potential bidder asked: Will American Made Material be required for this project?

American Made (or domestic) Material will not be required for this project, except where called for in the technical specifications.

Pertinent to this topic, the following change is hereby made to Technical Specification Section 33 12 16, Article 2.8.A to remove a 'domestic' requirement regarding valve boxes, which now reads as follows:

A. 12-inch diameter Valves and Smaller: Domestic cast iron, two-piece, slip type.

Bidders should be aware however, that the same Section 33 12 16 generally requires valves to be American Made with some exceptions.

Item 36. Engineer's estimate

A potential bidder requested the Engineer's Estimate for bonding purposes.

The Engineer's Estimate is One Million Five Hundred and Ninety Thousand dollars (\$1,590,000).

Item 37. Video documentation of project site provided by Owner

During the pre-bid meeting, a potential bidder suggested providing video documentation of the project site.

Although a guided vehicle tour and site visit has been scheduled for April 28th (See Item 1 of Addendum No. 1 for details), the Engineer and Owner gathered video documentation of the site to supplement the guided tour/site visit. The video is attached to this addendum.

Clarifications regarding the video:

- The video files (.mp4 format) listed below are included, with the file name denoting the approximate station where the video was taken.
- Approximate Stations were assigned primarily using the teeposts visible in many of the videos that are located a points of inflection (PIs) along the proposed pipeline.
- The audio narration was primarily gathered to assist SMA with organizing and stationing the videos and should not be relied upon by bidders as an exact description of the proposed alignment, project improvements or existing infrastructure.
- The entire project alignment is not captured in the videos.
- Additional notes are provided below to clarify what is shown in some of the videos.

List of video files:

Sta 0+00 to 3+62.6

- The brown marker post visible is a section line marker/monument and is not the proposed pipe centerline. The Project ROW and centerline is east of this marker.
- The Tank Site is roughly where white truck is parked on top of hill.
- Sta 3+62.6 Tank Site
 - Green tee posts shown in videos were placed for field layout during design and are not the construction staking to be provided by Owner.

Sta 5+42.9

• From edge of tank site, video looks towards wash crossing at Sta 42+11.6 in valley below.

Sta 40+11.3

- o Includes wash crossing.
- Sta 45+00 driving
 - Videos recorded while driving are only intended to show general terrain of the alignment in the vicinity of the station indicated by the filename.
- Sta 55+00 driving
- Sta 65+00
 - o Includes PVC cased road crossing and multiple gas line crossings.

Sta 89+41.9

• Recorded from tee post marking PI at Sta 89+41.9, and primarily looking backward along alignment towards gas line crossing area.

Sta 91+00

- Recorded from a short distance beyond tee post marking PI at Sta 89+41.9, and primarily looking forward along alignment.
- Sta 100+00 driving
- Sta 105+00 looking backward
- Sta 105+00 looking forward
- Sta 115+00
 - Recorded from PI at Sta 115+00, primarily looking backward along alignment.
- Sta 115+10 looking forward
- Sta 129+10 end of Project (Phase 2)
 - Recorded from PI at Sta 132+05 (Phase 3, not included in this Project), looking back at the end of Phase 2 pipeline.
 - Pipeline road crossing visible in distance.
 - o Sandstone rock outcrop that is north of the pipeline alignment is visible in distance.

Item 38. CAD Drawings available to potential bidders

Drawings in CAD (Civil3D-2017, ACAD 2017, and Land XML) format related to earthwork required at the tank site are available from Souder, Miller & Associates at <u>www.soudermiller.com</u>. Any Bidder interested in obtaining access to the files must complete an 'Electronic Data File Transfer and Sharing Agreement' and submit to the office of the Engineer, Souder, Miller and Associates, attention Ryan Biehl, Project Engineer at <u>ryan.biehl@soudermiller.com</u>. Upon submittal of the attached form, the Bidder will receive instructions on how to access the files. Copy <u>wacey.jodie@soudermiller.com</u> on such requests.

Item 39. CAD Drawings available to winning Contractor

Upon request, CAD files for the plan and profile sheets will be made available to the winning Contractor after Notice of Award. However, neither the Owner nor Engineer shall assume any liability for their use, nor shall use of any electronic files relieve the Contractor of his/her responsibility to meet the conditions of the Contract Documents, including the published Drawings. Contractor must submit an Electronic Data File Transfer and Sharing Agreement to the Engineer prior to receiving CAD files.

- In addition to the CAD formats listed in Item 38 above, RXL files will also be made available to the winning Contractor.

Item 40. Electronic files available to bidders (attachments to this addendum)

The following files referenced and requested have been made available to Bidders through the Engineer's website at <u>www.soudermiller.com</u>. Bidder's requiring further assistance in obtaining these files should contact Wacey Jodie at <u>wacey.jodie@soudermiller.com</u> or 505-514-9808.

The files referenced below ARE part of the Bid/ Contract Documents. Any previous versions of these specific documents are hereby removed from the Bid/ Contract Documents.

- C-410 Updated Bid Form 042520.pdf
- Revised Drawings C-25 C-26 DT-9 DT-17 04-21-20.pdf
- Appendix I JAN Water Purchase and Hauling Agreement.pdf

The files referenced below ARE NOT part of the Bid / Contract Documents, and are not intended to modify, update or interpret the Bid / Contract Documents in any way.

- JAN Cutter Intertie Plan Holders List 042420.pdf
- Pre-Bid Conference Minutes- JAN Cutter Intertie Water Supply Project 040920.pdf
- JAN Cutter Intertie alignment and access.kmz
- JAN Cutter Intertie Video Tour.zip

This Addendum No. 2 constitutes clarifications, changes, additions, modifications and deletions to the aforementioned contract documents. All provisions of the contract documents and previous addenda not in conflict with Addendum No. 2 shall remain in full force. Receipt of this Addendum shall be acknowledged on the Bid Form.

Additional questions should be directed to the Project Engineer in writing at <u>ryan.biehl@soudermiller.com</u>, with cc: to the Project Manager Assistant at <u>wacey.jodie@soudermiller.com</u>. Should a bidder first call with a question, the Engineer will request the bidder submit the question in writing. All questions will be answered by written addendum.

April 27, 2020

Ryan Biehl, P.E.

Date