RIVER CITY ENGINEERING
Texas Registered Engineering Firm F-0001546
CIVIL, ENVIRONMENTAL & CONSULTING

May 5, 2016

Addendum No. 1

CITY OF COPPERAS COVE

MOUNTAIN TOP NORTH 300,000 GAL. ELEVATED STORAGE TANK

Notice to Bidders:

This addendum will be considered a part of the City of Copperas Cove Mountain Top North 300,000 Gal. Elevated Storage Tank project. Where provisions of this addendum differ from those of the original Contract Documents, this addendum will govern.

Addendum No. 1 to the Plans, Contract Documents and Specifications for the above listed project:

1. **Technical Specification Section 13204** - Welded Steel Elevated Storage Tank - **Single Pedestal Spheroid**

   - Under Section 1.01(3), Nominal Operating Range is revised to 30.0 ft ± 3 ft.
   - Revise Section 1.03(1) as follows:
     "All tank work shall be performed by a company which specializes in the design and construction of single pedestal spheroid style welded steel elevated water storage tanks using the methods of fabrication which *are capable of meeting all the* requirements of these specifications. No company is considered qualified *unless it has designed and built* in its own name at least five (5) single pedestal spheroid style welded *steel elevated water storage tanks*, conforming to AWWA D 100, of 250,000 gallon or greater capacity in *the last ten years."*

   - Revise Section 3.03(5) as follows:
     "Welding procedures and general welding requirements shall be in accordance with AWWA D100, *Section 8, "Welding". Welding* shall only be done by ASME qualified welders. No structural welding is *permitted to any steel embedded* in hardened concrete, unless the weld is at least 2 ft. from the *embedment interface. Grinding* of weld contour shall approximate condition of NACE Standard RPO178 *designation "C". "*

2. **Technical Specification Section 09913** - Coating & Painting Steel Water Storage Tanks

   - Revise Section 2.04(4)(D) Access, Ladders and Platforms as follows:
     "Rest platforms shall be provided at maximum 40 foot intervals along the interior pedestal ladder. The *platform shall be in accordance* with OSHA requirements. Platform shall be arranged for straight run *ladder and operable without removing* fall prevention equipment."

- Revise Section 3.10 Maintenance Materials as follows:
  "At the end of the project before final payment, the CONTRACTOR shall provide the OWNER (1) one gallon can of each type and color of coating, primer, thinner, another coatings used in the field including multiple component materials . . . "

3. Technical Specification Section 02370 - Erosion and Sedimentation Control

- Revise Section 1.01(B) as follows:
  "Storm Water Pollution Prevention Plan (SWPPP). The SWPPP shall be implemented and maintained, in accordance with the Texas Commission on Environmental Quality General Permit TXR 150000. The General permit is available upon request.

  1. *The Contractor shall prepare the SWPPP.*
  2. *The Contractor shall be responsible for submitting Notice of Intent (NOI) to TCEQ, posting NOI and Site Notice, and submitting copy of NOI to Municipal Separate Storm Sewer System (MS4).*
  3. *The Contractor shall be responsible for the implementation, any necessary field adjustments, routine inspections, and weekly reports in accordance with the prepared SWPPP."*

4. Clarification

- Plans indicate typical conical base section of pedestal, however, straight base pedestal section design is not specifically excluded and is allowable.
- Refer to attached Bidding Questions and Answers for additional items of clarification.

Each contractor shall acknowledge receipt of Addendum No. 1 on his or her proposal. If you should have any questions, please do not hesitate to contact us.

Sincerely,

John J. Muras, P.E.

Mountain Top North 300,000 Gal. Elevated Storage Tank
Bid #2016-08-82

Bidding Questions and Answers

1.) Are there currently or will there be any homes in close proximity to the new tank site at the time of erection or painting?

There is currently a new home being constructed approximately 400 feet to the south of the proposed tank site. There are additional residential lots in proximity to the tank site, however, the construction schedule for any additional new homes is not known at this time.

2.) Is there a logo or lettering going on the tank?

No logo or lettering is anticipated as part of the base bid.

3.) Section 13204-1.01-3 requires the tank to have a nominal operating range of 30'. Our standard 300,000 gallon elevated tank has a head range of 33'. Will this be acceptable?

A nominal operating range of 30' ± 3' will be allowed. Refer to Addendum No. 1, Item 1.

4.) What is the owners budget for this project?

The Engineer's Estimate for the project is $1,250,000.

5.) Who is on the plan holder's list?

See attached Plan Holder's List.

6.) Is this project exempt from state and local taxes?

The project will be exempt from state and local taxes.

7.) Will the Contractor be required to obtain any building or construction permits for this project? If so, what is their cost? Are there any other licenses or fees that the Contractor must pay for?

The contractor will be required to obtain a building permit from the City of Copperas Cove, however, the City waives the permit fee for its own projects. If the contractor is a new contractor to the city, then the contractor will have to register with the city and pay a $110 new contractor registration fee. Note that the contractor is also responsible for preparation and implementation of the Storm Water Pollution Prevention Plan (SWPPP) per paragraph 1.01(B) of Technical Specification Section 02370 Erosion and Sedimentation Control.

8.) Has an Obstruction Evaluation/Airport Airspace Analysis (OE/AAA) been filed with the FAA? If one has been filed and completed, are the results available?

Yes, please find attached copy of FAA determination. Although not required per FAA, note that obstruction lighting is to be provided for the elevated storage tank in accordance with plans and specifications.

9.) Will there be any 3rd party inspection(I.e. TIC, KLM, AEC etc.) on construction or painting? If so, who will it be and on what portion of work?

Steel erection and welding inspections and coating operations inspections will be performed by Dunham Engineering, Inc. Concrete foundation inspection and testing will be determined prior to construction.

10.) The summary of work states that standard work hours for the City of Copperas Cove and Monday through Friday 8:00 AM through 5:00 PM unless exception is approved by the City. Our crews and subcontractors typically work outside of these hours. Will the Contractor be granted the ability to work weekends and hours outside of when the City is working?

Any work involving working on or connections to existing facilities, city staff/operator or owner inspector presence shall occur during standard work hours. An exception is not granted at this time, however, the City has allowed work not requiring any of the above to occur outside of standard work hours (typically 7:00 am to 7:00 pm Mon - Sat) provided it is not a nuisance to residents in the area. If work outside of standard hours is anticipated, the bidder should familiarize his/her self with the project site, proximity to occupied homes and proposed construction methods and equipment to determine likelihood of nuisance.

11.) There is a shop priming specification section and also listed pre construction primers, however, there is a statement in section 09913 that states that unless otherwise approved in writing by the Engineer, prime coat shall be field applied. Our preference would be to apply the full thickness of the primer in the shop. This would allow the primer to be applied in a controlled environment. We would then repair the weld seams and erection scars in the field and apply the intermediate coat. This is an acceptable process by AWWA D102 and saves time and money in the field. Will shop priming be allowed?

Priming shall be in accordance with technical specifications Section 09913 Coating and Painting Steel Water Storage Tanks.

12.) The specifications state that all expenses incurred for the transportation, lodging, and meals for inspections on work done at a location such as shop surface preparation and coating work shall be paid for by the Contractor. Is this only valid if shop priming is utilized? If so, would this be an inspector hired by the Contractor or the Owner? If hired by the owner, where is this individual coming from and how many days should we include for their inspection?

Per 1.04(F) of Section 09913 Coating and Painting Steel Water Storage Tanks, contractor is responsible for expenses incurred for transportation, lodging, and meals for inspections on work done at a location outside of a 150 mile radius of the project site. This would apply if shop priming were to be utilized. The inspector is the third party inspector, Dunham Engineering, Inc. out of College Station, TX.

13.) Under shop applied pre-construction primer, and field applied coatings, the welds are specified toe to ground to a smooth contour as per NACE Standard RP0178 designation "C". This designation requires all welds to be ground smooth and free of all defects. This will add significant field man-hours and be a very expensive requirement. Please revise this requirement to approximate NACE designation "D" as specified in Section 13204-9-3.03.5

The requirement will remain as specified in Section 09913 Coating & Painting Steel Water Storage Tanks . Refer to Addendum 1, Item 1.

14.) The specifications call for five one gallon cans of each type and color of coating, primer, and thinner used in the field. This will be a lot of one gallon cans that will tank up storage and also have a short shelf life. This is not typical, please confirm that you are wanting to pay for several gallons of paint that may expire before they are ever used.

Paragraph 3.10 Maintenance Material of Section 09913 Coating & Painting Steel Water Storage Tanks of the technical specifications will be revised to require one one-gallon cans of each type and color of coating, primer and thinner used. Refer to Addendum #1, Item 2.

15.) The ladder safety rail or cable is specified as manufactured by CB&I Industries. We are not familiar with this supplier, would a LAD-SAF galvanized cable system be considers as an equal?

A Lad-Saf galvanized cable system is an acceptable ladder safety rail / cable system.

16.) The platforms inside the shaft as specified as 3' x 3' and galvanized steel. This is a typical CET specification, however, in a Pedesphere we would supply a carbon steel platform that encompasses the entire shaft diameter and painted with the same system as the interior dry, Would this be acceptable?

Carbon steel, intermediate rest platforms are acceptable. Refer to Addendum #1, Item 2.

17.) What is the thickness of the interior concrete floor?

Concrete floor design to be provided by foundation design engineer and shall not be less than 4 inches.

PLAN HOLDER'S LIST

CITY OF COPPERAS COVE
MTN. TOP NORTH 300,000 GAL EST
RCE JOB #5019-95
REVISED: 05/03/2015

RIVER CITY ENGINEERING
Civil, Environmental and Surveying
Texas Engineering Firm F-1546 Texas Survey Firm 10193949

COMPANY	CONTACT	DELIVERY / E-MAIL ADDRESS	PHONE / FAX	DATE OF REQUEST	DATE SHIPPED	FEE REC'D
Maguire Iron, Inc.	Adrienne Falor	PO Box 1446, Sioux Falls, SD 57101 falora@maguireiron.com	(P) 605-334-9749 (F) 604-334-9752	04/18/16	04/18/16	Elec.
Landmark Structures	Michella Thompson	mthompson@teamlandmark.com	(M) 817-230-8871 (O) 812-439-8888 x1225	04/18/16	04/18/16	Elec.
Caldwell Tanks	Carolyn Burke	cburke@caldwelltanks.com	(P) 502-964-3361 x2211 (F) 502-810-0877	04/20/16	04/20/16	Elec.
Phoenix Fabricators	Casey Cornett	casey.cornett@phoenixtank.com	(P) 317-737-2941 (F) 317-273-1154	04/22/16	04/22/16	Elec.
West Texas AGC Planroom	Kimberly Terrell	wtagc@sbcglobal.net	(P) 325-676-7447 (F) 325-676-7119	04/22/16	04/22/16	Elec.
Central Texas AGC	Elaine Hobbs	plans@centexAGC.org	(P) 254-772-5400 (F) 254-772-5451	04/25/16	04/25/16	Elec.
Keystone Construction	Vanessa Chapa	estimating@keystoneconstruct.com	(P) 512-288-6437	04/22/16	04/25/16	Elec.
Strong Electric	Abraham Santillan	asantillan@strongelectric.net	(P) 512-627-2189	04/25/16	04/25/16	Elec.
Bloc Design	Aleeda Barton	abarton@blocdesign.com	(P) 903-247-9444 (F) 903-236-7779	04/27/16	04/27/16	Elec.
Gerard Tank & Steel	Nick Gerard	nick@gerardtank.com	785-243-3897	04/29/16	04/29/16	Elec.
H2O Steel Contractors, LLC	Nichole Epperley	nichole@h2osteel.com	(P) 972-938-2730 (F) 972-923-9629	05/03/16	05/03/16	Elec.

PROJECT MANAGER: John Muras, P.E. / Phone: 512-442-3008 ext. 108 / E-mail: jmuras@rcetx.com

PLAN HOLDER'S LIST

CITY OF COPPERAS COVE
MTN. TOP NORTH 300,000 GAL EST
RCE JOB #5019-95
REVISED: 05/03/2015

RIVER CITY ENGINEERING
Civil, Environmental and Surveying
Texas Engineering Firm F-1546 Texas Survey Firm 10193949

COMPANY	CONTACT	DELIVERY / E-MAIL ADDRESS	PHONE / FAX	DATE OF REQUEST	DATE SHIPPED	FEE REC'D

Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2016-ASW-3524-OE
Prior Study No.
2012-ASW-154-OE

Issued Date: 04/26/2016

Daryl Uptmore
City of Copperas Cove
1601 N. First Street
Copperas Cove, TX 76522

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Water Tank Mountain Top North 300,000 Gallon EST
Location:	Copperas Cove, TX
Latitude:	31-08-24.27N NAD 83
Longitude:	97-55-48.61W
Heights:	1254 feet site elevation (SE) 148 feet above ground level (AGL) 1402 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

_____ At least 10 days prior to start of construction (7460-2, Part 1)
__X__ Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/ lighting are accomplished on a voluntary basis, we recommend it be installed and maintained in accordance with FAA Advisory circular 70/7460-1 L.

This determination expires on 10/26/2017 unless:

(a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
(b) extended, revised, or terminated by the issuing office.
(c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (817) 222-5928. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2016-ASW-3524-OE.

Signature Control No: 287319220-289910943 (DNE)
Alice Yett
Technician