



June 22, 2017

Brandon Bradley
Cibolo Creek Municipal Authority
100 Dietz Rd
Schertz, TX 78154

RE: CCMA Town Creek Lift Station and Force Main

This letter is in response to the questions that have been received on the project.

1. Please allow an extension of more days to the questioning period after the Pre-Bid Conference, since a site visit will be held until that day.
Comments will be accepted through Thursday 6/15/17, and will provide a summary response the following week.
2. Following your **AD-2 drawing** and others, please provide the *information required to estimate this temporary pumping capacity* as described in your **item #864 for "Bypass Pumping"** in the SAWS SPECS set provided in this Bid.
Temporary pumping capacity shall be equal to or greater than the pumping capacity of the existing lift station if using the existing 12" force main for bypass. CCMA Operations staff to provide allowed pumping capacity. Pumping capacity to be 2400 gpm.
3. Please provide a hierarchy for the specifications sets, since different activities have multiple instructions and establishes different project assumptions.
Specifications provided in "Supplement A" shall generally govern over conflicts with standard City of San Antonio and San Antonio Water System specifications.
4. Please provide the technical specifications for hoists
The existing lifting hoist is a Shaw Box 2 Ton 460V hoist. The rails must be extended 6ft along with the monorail extension.
5. The structural details require explicit dimensional values for estimation.
No question was asked in this statement.
6. Double gate assemblies will there be an item added to bid form
The double gate assemblies, as well as fence repair, are considered subsidiary to the pipe costs.
7. Tree Replacements what type of trees
30 gallon Monterey Oaks.
8. Replace existing ARV and repair pipe to what extent?
The replacement of the ARV must be done in a manner that allows the new ARV to function as designed.

9. Some notes call for repairing asphalt with flowable and some do not?
The flowable fill is required when crossing public streets and not for private driveways.
10. STA 84+00 May the contractor Possibly bore under existing 12" CCMA line, in lieu of asphalt repair and flow fill?
CCMA is okay with boring this section, but contractor must provide additional detail for design revision proposed (casing, depth, etc).
11. STA 113+00 Remove Driveway will it need to be replaced?
No, the City of Cibolo is not wanting this driveway replaced.
12. Will flowable be required to within 1' of the top of the manhole or can we use gravel?
Yes, the manholes will be constructed according to SAWS Spec 850.
13. Who will pay for densities?
Contractor is responsible for all testing.
14. Is there a bore log?
Yes, the geotechnical report is included in Appendix A of the Contract Documents and Specifications.
15. Sanitary Structures DD-850-01 bottom is 12' diameter top shows a transition but still shows it as a 12' diameter please clarify?
This manhole shall be 12' diameter from the bottom to the top of the manhole.
16. Sheet 1 note 8 are there any anticipated areas that will require Rip Rap with metal bean guard?
No, these notes are the TxDOT Standard Notes and are required under the utility installation permit.
17. HDPE Piping will it need to be green or can it be black with a green stripe?
Black pipe with green stripe.
18. Sheet 1& 2 clear & grub entire width of permanent Easement. Do we replace the earth in this area?
The elevation of the existing ground shall be replaced to the existing condition and revegetated after construction is completed for all disturbed areas.
19. Flushing of the 12" line will be with a vacuum truck? Can we dump sewage at plant? Will it need to be HTH?
Contractor shall coordinate flushing of force main with CCMA. After flushing the main, disinfection of the main shall be done in accordance with SAWS Spec 847.



20. Is SAWS grade 5 modified, or 1.5" gravel acceptable as bedding aggregate? The specs Reference several types
The bedding varies based on the pipe. For force main installation modified grade 5 is typical, gravity mains usually include 57 stone bedding. Alternative can be reviewed for compliance if necessary.
21. What are the requirements for the abandonment of the sewer lines and manholes, will they need to be pumped full of grout?
The abandonment must be in accordance with SAWS Spec 862.
22. The drive way noted on page 16 of the plans says to remove, but do we replace it? STA113+00
No, the City of Cibolo is not wanting this driveway replaced.
23. Add Alternate 2 the plans call for 30' of 36" pipe, but the proposal has 79 please clarify?
The quantity is 30', Bid Form has been corrected.
24. Can you put scales or dimensions on the LS drawings? We need something to estimate quantities.
Scale bars have been added to the LS drawings.
25. There is a chart on Sht 19 for PVC pipe restrained lengths. Do we use this or do we use thrust blocks per Sheet 18 details? Neither detail nor chart is referenced.
The restraint lengths shown on the table shall be used for this project.
26. What wall thickness is required on the 48" steel casing pipe?
Pipe thickness shall be 0.625in as shown in SAWS Spec 856-01
27. Are end seals required on the casing pipe?
Yes
28. Which bid item does all be pipe, fittings and valves shown on AD-1 go in?
These items are broken out separately on the bid form under Additive Alternate #1
29. The plans show the new generator for the town creek lift station is going to be "owner provided" but there is a line item for the generator and transfer switch in the bid form. Is the generator going to be owner provided?
The new generator for the Town Creek Lift Station will not be provided by the owner, and shall be provided by the contractor as part of this project. Addendum #1 reflects this update.

30. The electrical conduits from the pole LS-1 are just north of the lift station can they be drawn in on the plans to show where they service the electrical on the lift station? I would like to know if we will be crossing them when we install the gravity sewer?
These conduits were not pot-holed prior to this project, the contractor will have to locate these conduits as with all existing utilities.
31. The ARV on page 11 STA 62+30 is not sized what size should it be?
All of the ARV's on the existing 12" force main are 2", the bid form shows these broken out separately from the 3" ARV's on the new force main.
32. There are 3 ARV's on the old 12" line and 2 on the new FM line, what about the ARV's at the lift stations? Will there be another bid item to account for these ARV's?
The 4 ARVs for the lift station are called out on the bid form shown in the (). There are 2-3" ARVs on the new force main and 3-2" ARV's on the existing 12" force main. ARI will be the manufacturer of the ARVs per CCMA Operations requirements.
33. Is the existing MH located at STA 10+00 on page LS-1 big enough to accommodate a 36" pipe "If it is not" Is there an upstream manhole that can be plugged to bypass the sewage while the new manholes are being set?
SSL-A1 has been revised to a 24" gravity main to allow a clean connection into the existing manhole.
34. The new gravity sewer lines "LS-1 & AD-2" are to be tied in to the wet well, but they are under the existing concrete slab which has already settled significantly. The building canopy piers / beams are supported by this slab. How do you propose we perform this work without compromising the building canopy?
The gravity main construction in these areas will likely need to be completely using trench boxes in order to minimize the width of the excavation area.
35. Will overnight monitoring be required for the by-pass pumping, and if so to what extent? 1 man 2 man ETC?
The contractor will be required to submit a bypass pumping plan to CCMA. Overnight monitoring will be required. See bypass spec SAWS 864.
36. Will the gravity sewer manholes need to be coated?
Yes, they will be coated per the SAWS specifications.
37. Please acknowledge that the fittings on this project are to be domestic, and epoxy lined.
The fittings on this project must be in accordance with SAWS Spec 836.
38. Will Moller & Associates provide the surveying on the project?
The contractor may hire Moeller & Associates to provide surveying support and staking, but those services will be at the contractor's expense as part of the project and not provided by CCMA.

39. Drawing S1.1 shows existing trolley to be reused. From the site visit the existing trolley has a festooning system to power the hoist. Are we to extend the festooning system? If so please provide model number, electrical details and specification for the trolley system?

The hoist system at Town Creek is a track system, not festooning system. The tracks will need to be extended along with the beam. Reference response No. 4 of this letter for additional information.

40. What is the existing coating system in the Lift Station. From the site visit around the hatches appears to be a welded HDPE liner that was apart at the seams. Please verify if the welded HDPE liner is installed on all the walls to the floor? If not what is the coating system inside the Lift Station?

The existing coating is a T-Lock system, contractor shall perform all coating repairs in accordance with T-Lock Manufacturer specifications, no substitutions.

41. Is the existing manhole on drawing LS-6 a large enough manhole to accept the installation of a new 36" pipe?

SSL-A1 has been revised to be constructed over the existing

42. On Drawing LS-4 the detail for the Wet Well Wall Penetration shown a "link seal type wall sleeve seal Model WS" to be used for the large core hole that will be required for the new 36" lines coming into the Lift Station. Is a core with link seal and grout an OK method to make this penetration? Or are we to cut large hole and install a steel sleeve in the structure and then use link seal?

A steel sleeve is not required for cored penetrations into existing wet well.

43. Regarding the new generator for the lift station, what are the approved generators for the Town Creek Lift Station?

The generator spec is included in Addendum 1.

44. Contact info for Jim Schroeder with Texas Radios, LLC

Jim Schroeder, Texas Radios, LLC

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jschroeder@texasradios.com; solutions@texasradios.com

45. SAWS bypass spec 864.4 states that "Sound attenuated pump enclosures shall be required on all projects where the bypass pumps are located within 50 feet of any residence business, park, or other presence of people." Even though the police station and sports field are more than 50 ft from the lift station, will sound attenuated primary pumps be required on this bypass?

Sound attenuation enclosures will be required for all bypassing operations on this project.

46. Previous issues of air lock due to inoperative air release valves in the force main leaving the lift station created conditions of extreme friction loss resulting in diminished flow capacity inside the line. Have these issues since been resolved and as such can we expect to utilize the full capacity of an unimpeded 12" force main as the discharge line?

The existing 12" force main is currently operating properly.

47. The approximate line capacity of 12,500 LF of 12" pipe is 63,750 gallons. What are the flush requirements of the 12" line (e.g. pipe fullness, flow rate, duration)?

CCMA is willing to coordinate with the contractor providing reclaimed water for flushing existing force main.

48. I would typically provide a spec sheet showing the generator we would supply but there are not any generator specifications posted at this time. Do you know if the generator is going to be diesel or natural gas? Once the specifications are posted I will send over the spec sheet and any additional information you would like.

The generator spec is included in Addendum 1.

49. There was a question regarding quantities of 12" check valves, 12" plug valves, and 24" gate valves. They also ask about specs for the check valves.

The bid form has been updated with the quantities and the check valve info has been added to note 5 sheet LS-1.

50. Please note that a representative from FCBNP will be present at the Pre-Construction Meeting to provide training for the workers that will be onsite within the park.

Sincerely,



James Ingalls, P.E.