

**Northridge Water System Improvement Project**  
**Addendum #2**  
**December 21, 2023**

The following questions were received through December 21, 2023 from interested contractors and suppliers. Responses are in **bold**.

1. What is the minimum depth of bury for the water mains and services lines? **The minimum bury depth to the top of pipe is 4 feet. Other depths are shown on the plans for reference to ditch crossings and bores where bury depths are likely to be greater due to site conditions.**
2. Will alternatives to the Class B bedding called out on the plans be considered by Town staff? **Yes, as long as bedding meets the approval of the Town's Public Works director, Jerry Young, alternative bedding material may be considered if there is a clear cost savings to the Town.**
3. Can the concrete vaults for the air relief valves be round concrete manholes instead of the square vaults shown on the plans? **Yes, round concrete manholes can be provided in lieu of the square vaults shown on the plans. We understand those may be special orders whereas concrete manholes are generally more available from regional pre-cast concrete suppliers.**
4. Can you show all 46 service lines to be bored? **Service lines will be bored to residences in locations where the new water main is across the street from those residences Bidders should use 46 bores as the basis for their bids. If actual bore counts vary, they will paid at the unit cost provided for that item**
5. Along County right of way services do we have to seed? Do we have to re-seed all of the easements? Do you have an estimated square footage for site restoration? **All disturbed areas shall be reseeded and restored to pre-construction conditions. The areas of disturbance are contractor dependent so no estimated area is available.**
6. What are the rest of the dimensions on the 72" diameter master meter manhole? **A detail for the master meter manholes will be issued in Addendum #3 on December 27<sup>th</sup>.**
7. Do you have the stormwater plans? If not, can you provide a cost we can use in our estimate or refer us to someone? **Stormwater Management Plans (SWMP) shall be prepared by the contractor along with the Discharge permit with CDPHE for the project. Buckhorn's fee for the SWMP is \$5,000.**
8. Do you have coordinates for pre-construction Survey? Is this something you can provide a cost for in our estimate or refer us to someone? **Construction surveying is to be provided by the contractor. Buckhorn surveying staff can be contacted to provide a cost for those services. Successful bidder will be provided with the survey files in Civil 3D .dwg format at the time of award.**

9. Do we need traffic control for County road crossings? **Yes, all road crossings require traffic control per the contractors traffic control plan to be submitted to the Town engineer prior to start of construction..**
10. Does the trench shoring need to be designed by a P.E.? **No, contractor is required to provide an OSHA competent person and appropriate shoring design based on their company safety policies.**
11. Can the water line trench be benched if it stays in the R.O.W.? **Yes**
12. Can you please issue a detail on the 72" Manhole for Master Meters? **Yes, that detail will be provided in Addendum #3 on December 27<sup>th</sup>.**
13. Can you please identify on the plans the location of the 46 bores for the service reconnections. I only see 7 bores for the services? **Service reconnection bores are located in all locations where the new water main is across the street from those services. The bores called out are for mains not services.**
14. Do the water service bores require casing or conduit of any kind or just flow fill? **The service bores do not require casing or conduit.**
15. Spec Section 02950 Storm Water Management, Part 2c and Part 3D talks about mechanical Stabilization of steep slopes using a "cellular confinement system", but there is nothing on the plan sheets as to where this is required. Can you please clarify the location of this, the size of the area and what kind of fill materials is required for this "cellular confinement system? **There are no known areas of steep slope where that cellular confinement system will be required. Traditional seeding is anticipated in all areas of the project for site restoration.**
16. Can you please clarify the location of the 5 Flushing Valves in Bid Item #8. I only see 1 location shown on plan sheet C-4 at the end of the 6" line? **Flushing valves will be installed at the end of all dead end mains for water quality purposes. We anticipate 5 of those locations as shown on the plans.**
17. Can you please clarify that the open cut road crossings that are shown on sheet C-5 are accurate? **Those two crossings should be bores if possible. Those notes will be corrected on the Issued for Construction plans following award of the project. Bidders should consider those crossings as bores in their bids.**
18. Can you confirm that the water line on NE Shady Oak is in the middle of the road as shown page C11? **The location of existing water mains, shown in dashed purple, are generally accurate per Town records but shall be confirmed by the contractor.**

19. I see in Addendum #1, question #8, it says the Town will supply any additional materials needed. Just to clarify, that includes all MJ fittings that will be required, no matter what size, correct?  
**That is correct.**
20. The Town supplied items will include all accessories needs tracer tape, bolts mega lugs, flange kits, etc, no matter what size, correct? **Contractor will furnish and install metallic tracer tape per Town standards, Town will supply hardware such as mega lugs, bolts and flange kits required for the project. Note: Town is supplying 12 gauge tracer wire as noted in Addendum #1.**
21. The Town will supply any other material needed for the temp water connections, such as fittings to make the connections to the meter, the 2:" fittings required, ¾ pipe, etc. correct? **Town is supplying the 2" HDPE pipe for the temporary bypass only. Contractor will supply all required 2" temporary fittings, and temporary ¾ inch pipe and fittings to install the temporary service connections. Town is supplying the necessary materials for the permanent service connections to the existing meters. The temporary bypass bid item is included as a convenience to the contractor and as such, may not be necessary depending on the contractors' approach to constructing the improvements.**
22. The Town will supply any materials needed for the water service meters or the master meters (except the re-cast items) yokes, adapters, spool, tees, valves, etc. no matter what size, correct? **The contractor will make permanent connection from the new mains to the existing services at the curb stop on the upstream side of the meter using materials supplied by the Town of the correct sizes. Existing meters will remain in their current locations. The detail of the master meter manhole will provide materials required to be supplied by the contractor. The Town is supplying the master meters and flanged ductile iron to HDPE connections. Contractor will furnish and install the additional necessary materials for the master meters in the pre-cast concrete manholes as shown on the detail to be provide in addendum #3.**

Contractor shall acknowledge receipt of this addendum and include this acknowledgement with their bid to be considered as compliant with the requirements of the Request for Proposal.

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date