

	Question	Response	Addendum?
1	Budget is very low, does the owner have the ability to award bid if substantially over the estimate? A 1,000 foot 20-inch well with 500 foot screen interval with glass bead filter pack and a month long delay between drilling and well construction, will be closer to 2M rather than 1M	The project is fully funded by the State of Washington. CWU understands the estimate may be lower than the actual bid price, but reserves the right to reject all bids based on the amount of the bids and their relationship to the overall budget of the project.	N
2	Please confirm project funding and that there are no federal requirements regarding materials or wages?	The funding source is the Washington State Capital Budget. Federal requirements regarding materials or wages do not apply.	N
3	Please confirm which state prevailing wage will be applicable. Standard Well Drillers and Irrigation Pump installers or Operating engineers Power equipment operators for drilling machine? There is \$60.00 plus dollar an hour difference	CWU will rely on the experience of the bidders to determine the applicable prevailing wage rate and include that in the bid.	N
4	If owner is not able to make determination on correct wages we request a delay in the bid date so owner can obtain a determination from L&I	See above.	N
5	There are no apprenticeship programs for our trade and the minority goals for labor are unattainable given our specialty trade. An exemption to these requirements will be necessary.	If there are no apprenticeship programs for this trade, then the requirements do not apply. OMWBE percentages are goals, not requirements.	N
6	Confirm if affirmative action in part 10 page 79 are voluntary or is this required. Same challenge as above for specialty trade	Affirmative Action percentages are goals, not requirements.	N
7	Will 24/7 work be allowed to accommodate mud rotary open hole drilling and other items requiring 24/7?	24/7 operation will be negotiated with CWU for periods that are critical to the work being completed on time. 24/7 permission will not be unreasonably withheld by CWU.	Y
8	Can the well be designed off of a pilot hole if contractor chooses to drill pilot hole. One month delay from TD of hole to start of well construction will be very detrimental to the borehole and costly	The OWNER requires the CONTRACTOR to bid the project as specified in the Specifications. After selection, the CONTRACTOR can propose a modification that includes a pilot borehole for the OWNER'S consideration.	Y
9	What will be considered as "equivalent" to the Shur-Pak glass bead pack? Lead time on the glass beads is typically 12-16 weeks if the selected size is not in stock in CA	We anticipate the use of Shur-Pak™ Glass Bead Filter Pack manufactured by Johnson Screens. The OWNER would consider use of an equivalent glass bead filter pack by a different manufacturer, if applicable.	Y
10	Open area of well screen will be restricted due to the construction strength required to withstand column load of 500 foot screen assembly. Specs state owner will provide required open area calculation with well design.	The CONTRACTOR shall be responsible for ensuring that the screen strength is appropriate for the column pressures inherent to the well design and placement method. The OWNER is not specifying the screen manufacturer for use by the CONTRACTOR. However, the intent of the provision of open area requirements by the OWNER is to ensure that the screen's open area is consistent with industry standards for the required column pressures.	Y
11	Please provide specific details on the required slip packer shown on the drawing	A challenge with deep production wells with filter-packed telescopic screen assemblies is sealing the screen assembly to the permanent casing after filter pack placement. The OWNER intends to accomplish this using methods and materials that the CONTRACTOR can successfully implement and are acceptable to the OWNER. The Specifications anticipate that this will be accomplished using a slip packer such as the MMR packer manufactured by IPI Packers. However, the OWNER will consider alternative materials and methods to achieve this objective if fully described in the CONTRACTOR'S Drilling Plan.	Y
12	Will it be acceptable to install permanent conductor casing and seal to allow for safer fluid drilling operations below that point. Would 100 feet be the minimum depth for this	The OWNER requires the CONTRACTOR to bid the project as specified in the Specifications. After selection, the CONTRACTOR can propose a modification that includes cementing the conductor casing in place for the OWNER'S consideration.	Y

13	Can you add a line item to the bid schedule for contractors time during owner supplied geophysical logging	The Specifications indicate that the OWNER will conduct the downhole geophysical survey (if applicable) and provide the CONTRACTOR with design details for the production well's filter pack and well screen assembly within 15 business days of the completion of test well drilling, the HYDROGEOLOGIST's receipt of geologic samples, or the completion of the geophysical survey (if implemented) whichever occurs last. No additional charges will be accrued by the CONTRACTOR during the 15-business-day design period. Additionally and at no additional cost to the OWNER, the CONTRACTOR shall provide the OWNER with sufficient access to the wellbore to complete the downhole geophysical survey, if conducted. The OWNER anticipates that the CONTRACTOR will account for the cost associated with this time period within existing line items. Any additional days that are incurred beyond the 15 specified business days will not be considered part of the contract work period.	Y
14	Who is responsible for haul off and disposal of cuttings and drilling fluids? Is there a known location nearby for disposal?	Per the Section 1.16 of the specifications, the contractor is responsible for disposal of all drilling fluids. CWU will provide an area for disposal that is within one mile of the drilling site. CWU will be responsible for preparing and refurbishing the area for disposal.	N
16	Please clarify what taxes are to be included?	Per Section 010001 Article 7, all taxes (with the exception of Washington State Sales Tax) shall be included in the bid.	N
17	Is there any cost to contractor to obtain water from hydrant discussed at pre-bid?	Bidders must contact the City of Ellensburg to determine the procedure to obtain water from hydrants and the cost (if any) for the water. All such costs (including metering) will be the responsibility of the contractor.	Y
18	Will Garco be building the pad to the drillers spec as CWU expense or will this expense be the contractors responsibility? or will this be on the contract to include this cost in the mobilization line item ? and if so the contractors responsibility will the contractor be financially responsible for site remediation back to its original or close to state ?	Garco will be preparing the site which will include stripping the sod, leveling the dirt, importing the 3" minus material, and plating the sidewalk(s). Requirements for pads, or other accommodations for the driller's equipment will be at the driller's expense. Driller will be responsible for removing any pads or other accommodations that they themselves installed.	Y
19	Based on other wells drilled in the area comparable to this size of project it took 175 contract days. I don't believe 150 calendar days would be enough to finish this project.	Contract time will be extended to 200 calendar days.	Y
20	Setbacks ? from Bonneville power lines and any other private water, power and steam lines on the proposed job site.	All equipment within the construction site must be at least 30 feet from the PSE power lines.	Y
21	L&I wage rate clarification ? I believe as this not being a water production well our wage rates will be over double than we usually expect for operators and helpers.	See Item 3 above.	N
22	Cuttings and Drilling fluid discharge pit. All the drilling products we use are NSF approved and approved by the DOE water well drilling department. However dumping these into an open pit that is in a city or county limits these municipalities and the DOE that oversees land use and dumping might have another opinion on this and see our cuttings and drilling fluids as contaminated soil / products. I would expect we or CWU would need approval or permits for us to dump these materials in an open pit.	CWU will take responsibility for any coordination, approvals, or permitting required to use the intended site for fluid discharge.	N
23	Before pump testing / flow testing will CWU or the city make sure all storm drains are free and clear of any potential debris that might plug up the drains and there for causing the storm drains to overflow and or back up and there for causing the contractor to cut the flow test short costing the customer more \$\$ having to restart the test as the contractor is not in charge or control of the discharge after it hits the storm drain.	CWU has been in contact with the City of Ellensburg to discuss the pumping discharge plan including the anticipated flow rate and duration of the test. The City has indicated that the current storm line adjacent to the drilling site is large enough to accommodate the test pumping. GeoEngineers will be monitoring the testing and will terminate the pumping if the discharge rate exceeds the capacity of the City's system.	Y
24	Working hours. Not all processes of this job will need to be 24 hour shifts. But the few that will need to be are: Running Casing / screens. Flow testing. Spec mentioned potential artesian and or loss circulation zones. If these due occur this would also fall under 24 hour work until the problem is resolved. Do we know the city of Ellensburg's noise max decibals allowed between "x" time and "x" time ? also if we are allowed to work long days and or 24 hrs will there be incur costs to the contractor for engineer and hydro oversite for these hours / days ? and if so at what rate per hour or day ? Also if we do run into an artesian or lost circ zone that is above and beyond our control, while dealing with these potential issues will contract time / days be counted against the contractor in this potential unforeseen event ?	24/7 operation will be negotiated with CWU for periods that are critical to the work being completed on time. 24/7 permission will not be unreasonably withheld by CWU. There will be no additional costs to the contractor for third party oversite that might be required during the 24/7 periods. Per the General Conditions, delays due to latent unforeseen conditions will be negotiated between CWU and the contractor at the time of occurrence.	Y

25	Will CWU be supplying the contractor with a water meter ? or will this be the contractor's responsibility to procure from the city and at the contractor's cost ?	Bidders must contact the City of Ellensburg to determine the procedure to obtain water from hydrants and the cost (if any) for the water. All such costs (including metering) will be the responsibility of the contractor.	Y
26	If the geo data logging equipment has faults or fails to perform resulting in the contractor having to shut down the flow test the contractor won't be penalized correct ?	Per the General Conditions, the contractor will not be penalized for circumstances beyond their control.	N
27	It states in the contract for the screen assembly that the screen assembly shall be equipped with a factory manufactured slip packer? if there is to be a packer put in place then how are we to get the filter packing in place. This comment in the contract makes me assume that pre-pack gravel pack screens are being installed ? rather than a filter pack installed by the contractor ?	A challenge with deep production wells with filter-packed telescopic screen assemblies is sealing the screen assembly to the permanent casing after filter pack placement. The OWNER intends to accomplish this using methods and materials that the CONTRACTOR can successfully implement and are acceptable to the OWNER. The specifications anticipate that this would be accomplished using a slip packer such as the MMR packer manufactured by IPI Packers. However, the OWNER will consider alternative materials and methods to achieve this objective if fully described in the CONTRACTOR'S drilling plan.	Y
28	Will the transition coupler between the screens and casing in the bore hole be allowed to be approved steel casing ? and or will the project require a die-electric coupler for this transition ?	The OWNER requires that dissimilar casing/screen materials be connected in a manner to mitigate for galvanic corrosion. The OWNER anticipates that this will be accomplished by installing dielectric couplers. The CONTRACTOR can propose use of a different method in the CONTRACTOR'S Drilling Plan for consideration by the OWNER.	Y
29	Line item 5. state drill 20" borehole. 20" .375 casing will not allow a 20" bit through it. This portion will need to be drilled with a 19" bit as this is the largest size bit you will be able to run through 20" .375 wall casing.	The OWNER specifies the drilling of a 20-inch-nominal-diameter borehole to an estimated depth of 1,000 feet below ground surface. The intent is to drill the maximum diameter borehole allowed by the 20-inch-outside-diameter casing and to achieve a filter pack that is a minimum of three inches in annular thickness. A 19-inch-diameter borehole achieves this intent.	Y
30	The contractor will supply their own security fencing but will CWU provide onsite security ? as we have worked on jobs like this in the past and with young students especially when they are inebriated can do some un-smart things along with flying drones etc over the job site causing drilling contractors issues.	Contractor will not be responsible for onsite security.	N
31	Who will be the onsite contract to relay all info through ? Will it be NAC or Geoengineers?	The contract will be between CWU and the well driller. Onsite contact will be Joe Chanes, CWU Project Manager, 509.856.7107. Joe.Chanes@cwu.edu	N
32	Who will the contractor submit all pay apps to and change orders etc ? NAC or Geoengineers.	The contract will be between CWU and the well driller. Documents will be submitted to Joe Chanes, CWU Project Manager, 509.856.7107. Joe.Chanes@cwu.edu and Rachel Barker, CWU Public Works Contract Specialist, Rachel.Barker@cwu.edu	N