

MCDONALD DRILLING COMPANY INC.

November 30, 2022

Prime Contractor

ATTN: Estimating Department

RE: SR 534 Unnamed Tributary to Carpenter Creek Fish Passage
Deep Well Temporary Dewatering System
MDCI Proposal No. NW-22-293

McDonald Drilling Company, Inc. (MDCI) is pleased to provide this proposal for the installation of the dewatering system for the above-referenced project. Our proposal is based on the following unit prices, scope of work, and attached Standard Conditions (Rev. 03/18).

PROPOSAL IS BASED UPON THE FOLLOWING INFORMATION:

- Dewatering well quantities, depths, and layout based on soil and groundwater data presented in the geotechnical report, project drawings, and our experience in similar conditions.
- The fish passage excavation may require active dewatering using deep dewatering wells, "Temporary Dewatering System". Pricing is provided for six each 60-foot-deep small-diameter deep depressurization / dewatering wells consisting of 4-inch PVC well screen and casing installed in an 8-inch borehole, backfilled with filter sand/gravel and bentonite seal, generally on 50-foot centers with three wells on either side of the excavation.
- MDCI excludes: "Dewatering Plan"; ground settlement liability, analysis, monitoring, and mitigation; hydrant-like water source for drilling; power source for dewatering system; spoils handling and disposal; and other items listed below.

DEEP WELL DEWATERING SYSTEM SCOPE OF WORK:

- Mobilization of equipment, tooling, and materials to the site. Pricing includes one roundtrip mobilization.
- Drilling spoils handled by others.
- Drill and install dewatering wells.
- Provide and install electric submersible pumps (480-V 3-phase service) in the dewatering wells. These pumps will come with pump control boxes that will be installed at each well location.
- Well development water and drill water will be pumped at GC's direction.
- Provide and install common discharge header pipe. Each well will have a dedicated port to the common header pipe, each port will be equipped with a backflow preventer and a ball valve to control the flow of water. Water treatment and discharge by others.
- Provide electrical distribution panels to be energized by others (assume a 480-volt 3-phase service and that each individual well pump is 4 full load amps).

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- Pricing assumes one follow up site visit from a dewatering specialist. Any additional site visits would be performed on a T&M basis.
 - MDCI will train the contractor on the day-to-day operation of the system. If the contractor is unable to perform this work, MDCI will perform the work on a T&M basis.
 - Provide permits to construct all wells with Washington State Department of Ecology (Ecology).
 - Abandon wells per Ecology Standards and remove system when no longer in use.
- MDCI understands that the soils at the site more than likely will not stay open during drilling, MDCI will have casing and equipment capable of fully casing the holes in the event that they need to be cased, and will need a hydrant-like water source provided by others for drilling.
 - MDCI has assumed that all monitoring will be performed by GC or others.
 - MDCI will need full tracking access to the site during drilling. This includes being able to walk the drill from hole to hole on ground capable of supporting equipment.
 - MDCI has assumed that all of the wells for each site will be installed under one mobilization, and that all of the wells and header pipe will also be removed at the same time.
 - MDCI has assumed that all sump pumping will be performed by others.
 - MDCI makes no guarantees to the site being dry, suitability of the soils, sub-grade, or compaction of the soils as a result of the dewatering system.

DEWATERING SYSTEM PRICING

| ITEM | DESCRIPTION | QTY | UNIT | PRICE |
|------|-----------------------------|-----|------|-----------|
| 1 | TEMPORARY DEWATERING SYSTEM | 1 | LS | \$123,900 |
| 2 | ADDITIONAL MOBILIZATION | 1 | LS | \$27,900 |

Note: For providing Payment and Performance Bonds, if required, ADD: Depends On Contract Value % of the contract amount.

CONSTRUCTION METHODS:

MDCI proposes to use track-mounted rotary drilling or sonic drilling equipment to complete boreholes to the specified diameters and depths for the dewatering system using the equipment that MDCI owns and uses for this work daily. The proposed means and methods are based upon our extensive experience with these techniques in similar subsurface conditions.

SEQUENCE & SCHEDULE:

- MDCI will work 5 days per week (Monday thru Friday), approximately 10 hours per day during drilling activities (7 AM to 5 PM).

ACCESS & UTILITIES:

- Clear access/egress shall be provided for MDCI to do its work. It's our assumption that any and all utilities that may conflict with borehole installation must be removed or relocated prior to MDCI's work. It has been assumed that there shall be no low overhead boreholes on this project.
- Prime Contractor shall provide suitable locations to allow MDCI to complete its work and staging (for material, tooling, cranes, etc.). Minimum staging area requirements are 100 feet by 150 feet, per each work area.
- MDCI requires that all work around the well site will have full access to the area the

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dewatering needs to be installed, with the work completed in one phase.

SUPPLIED BY OTHERS:

- Spoil handling, stockpiling, loading, hauling or disposal shall be done in a timely manner so as not to interfere or slow production of the dewatering boreholes in any way.
- Hydrant-like water source.
- Treatment, testing and disposal of groundwater.
- Fuel and servicing for pumps or generators (oil filters and fuel filters must be changed on a weekly basis).
- MDCI assumes any and all interior sump pumping will be performed by others as may be needed.
- Installation, operation and regular cleaning of sumps, holding tanks, desilting basins, treatment or settlement ponds as may reasonably be required to pump water and/or drilling fluids from MDCI's work.
- Observation wells if needed.
- Dewatering design, calculations, testing, and logging of holes.
- Relocation of underground and overhead utilities.
- Discharge location preparations needed as to not erode the area during pumping.

CONTRACTUAL:

- MDCI assumes borings and the geotechnical report(s) to be accurate and material encountered shall be the same as borings represent.
- All obstructions and utilities (including overhead) are to be removed or relocated prior to the commencement of MDCI's work.
- Our estimate has been prepared with current pricing and availability provided by our suppliers. However, due to the current construction climate, we reserve the right to adjust the material costs presented herein to reflect the actual material costs at the time of notification to proceed, as the actual material costs are beyond our control.
- During the work, progress payments shall be made at least monthly. Progress payments shall include reimbursement of costs for all materials that have been purchased and/or satisfactorily fabricated, even if they have not yet been installed. Interest or late fees will be charged on all past due accounts, at 10% per annum. Retention, if withheld, shall be limited to no more than 5% of MDCI's earned payments. Full payment for MDCI work shall be made within 45 days after completion and acceptance of dewatering installation work. No payments shall be made with joint checks unless authorized in writing by MDCI. Payment of retention shall not be conditioned on payment from Owner.
- MDCI makes no guarantees of any kind as to the job being dry, the suitability or success of any dewatering system installation and/or operation. The Bid Proposal merely reflects our quotation on a specific number of wells, casing, etc. as specifically decided upon and agreed to by the Owner and/or the Prime Contractor.

SPECIFIC EXCLUSIONS:

While the attached Standard Conditions (Rev. 03/18) apply to this project, we wish to specifically emphasize the following exclusions:

- Field engineering, surveying and layout, including clearly marked center lines, grades, and offset stakes.
- The use of SBE, DBE, or MBE services.
- Ground settlement liability, analysis, evaluation, monitoring, reporting, or mitigation.

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- System monitoring, easements and permission to encroach.
- Removal, verification, (including potholing by others), protection (including capping of side sewer laterals), or relocation of utilities.
- Safe access/egress including dry, level, firm, all-weather benches and ramps.
- Prime Contractor shall provide protection and repair, if needed, of any driveways, paved roadways, sidewalks, or other finished/unfinished areas.
- Mass excavation, clearing, grubbing and any demolition.
- Spoils handling, removal, disposal, including street cleaning and any ventilation and dust control measures.
- Trenching and or protection of wells, power cord and header pipe.
- **Trash bins or any disposal of non-salvaged materials.**
- Handling, disposal and fees for any waste water generated during dewatering installation and operation, including providing discharge points for water/fluids collected by dewatering system.
- **Flagging, traffic / pedestrian control; including any installation, removal or replacement of traffic control barricades, signs or other measures required for MDCI work operations.**
- Water Source (any and all costs associated with hydrant-use fees, permits, including Department of Ecology fees), water handling, storage, treatment, or disposal (including disposal and discharge permits, fees, etc.).
- Baker tanks for water storage.
- Any and all treatment and storage of all dewatering waters.
- Any and all leapfrogging and O&M of the dewatering systems.
- Any and all power including fuel to operate the dewatering system.
- Any and all sump pumping of waters not collected by the dewatering system.
- Obstructions to drilling (boulders, debris, existing structures, etc.).
- Overhead obstructions (buildings, trees, utility lines, etc.).
- Storm water pollution prevention plans or measures.
- Site security to ensure there is no damage to or theft of MDCI's equipment and tooling. This includes theft of the power cord r damage to the operating equipment.
- Sanitation facilities.
- **LEED specific material requirements or compliance (lagging, steel material, concrete waste, etc.).**
- Night work, including lighting.
- Any proposed subcontract provision which allows Prime Contractor to take-over MDCI's equipment, plant or tooling.
- Any proposed subcontract provision which requires MDCI to defend, indemnify and insure Prime Contractor / Owner in excess of MDCI's proportionate share in the total fault causing the loss or damage.
- Parking for crew.
- As-built drawings.
- Cost or charges associated with electronic billing/payment services (costs/charges to be borne by Prime Contractor or invoiced by MDCI as extra work).
- Responsibility or liability for cracking or settlement of any existing streets, sidewalks, curbs, gutters, utilities, pavement, buildings, or other improvements, or any other damages which may be caused by vibration of machinery or equipment or by drawdown, settlement or subsidence caused by dewatering installation and operation.
- Payment and performance bonds, permits, and sales tax.