



Westlake Watershed District

"Local People Working Together to Conserve and Enhance Local Resources"

REQUEST FOR QUOTATION

Quotation is to be received by Westlake Watershed District prior to **October 31, 2023**.
Quotation may be submitted by email to manager@westlakewd.com , mail (Box 33 Alonsa, MB R0H 0A0) or hand delivery.

SCOPE OF WORK

Project: Culvert replacement on Garrioch Creek Drain, intersection of Road 120N and 66W. Reset contributing culvert to meet new upstream culvert inlet.

Completion Date: To be completed as soon as possible as weather allows.

Culvert Replacement: Culvert Replacement: Remove collapsed existing through-grade culvert. New culverts will be installed at a different angle from existing culverts to assist water flow, as described by Westlake Watershed District. Replace removed culvert with 2 culverts on a 45 degree angle. New culverts to be installed at elevation set by Westlake Watershed District. New culverts provided by Westlake Watershed District are 1 – 1600mm x 27m and 1 – 1800mm x 24m (set 200mm lower than 1600mm culvert for fish passage) (see attached map). Also, reset upstream (from the west) 24" gated culvert to drain to inlet of newly set culverts.

Culverts will be located in RM of Alonsa yard; contractor to pick up and haul to location; couplers, geo tech, nuts and bolts will be with culverts in the RM of Alonsa yard. Culvert details: 3 – 9m x 1600mm CSP with 2 couplers, 2 – 9m x 1800mm and 1 - 6m x 1800mm CSP with 2 couplers.

Culverts and couplers associated with resetting of upstream gated pipe are available in the RM of Alonsa yard. The reset will require 18m of 600mm CSP. If the existing culvert is in acceptable condition, it may be reused.

Removed scrap culvert is to be disposed of off-site by the contractor.

Contractor to return any unused geo tech to the RM of Alonsa yard.

Contractor to provide all material required for culvert removal and new installation:

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- Remove existing through grade culvert and fill in with material to match constructed road
- New culverts are to be installed at an angle defined by Westlake Watershed District to aid in water flow
- 1600mm x 27m culvert to be installed north of the 1800mm x 24m culvert
 - NOTE: 1800mm culvert to be installed **200mm lower** than 1600mm culvert to allow for fish passage
- Excavate 6" below defined culvert invert (provided by Westlake Watershed District)
- Place 6" of ¾" down gravel and pack
- Place culvert on packed gravel
- Pack 6" lifts of ¾" down crushed gravel to spring line of culverts
- Cover remainder of pipe with natural material
- Pack 2' of clay to cap ends surrounding the culverts **and** 6" clay cap on road surface
 - NOTE: R.M. of Alonsa will complete road surface gravelling
- Place geo-tech (provided by Westlake Watershed) around culvert ends
- Place 4"-10" debris-free field stone (riprap) surrounding culverts and bank slopes at upstream and downstream ends
- Extend riprap beyond the upstream and downstream ends of the culverts, both on the drain bottom and banks to support water flow
- Contractor to provide road signage as needed
- The R.M. of Alonsa will be contacted by Westlake Watershed District to close the road.
- NOTE: some existing material can be reused as long as it meets above noted specifications

Drain Reshaping Upstream of Culvert Replacement: Contractor to provide fill material and rock (4-10" debris-free field stone) to shape the channel within the drain. Purpose is to guide water towards the through-grade culverts and reduce bank erosion.

Westlake Watershed District **requires** an onsite meeting with interested contractors' on **Monday October 30, 2023 at 9am** to review project requirements prior to submitting quotation. Westlake Watershed District welcomes any other inquiries regarding this project prior to the onsite meeting on October 30, 2023.

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******Westlake Watershed District will complete cable locate for the project – when the contractor has been selected, the locate will be updated with the contractors information and contractor must have locate documents on site. Locate states that work must be completed within 14 days of the date of the locate.******

The lowest or any tender for any job will not necessarily be accepted. Discretion is given to the Board.

Only the contractor who is awarded the project will be contacted.
If you have any questions, please contact Westlake Watershed District by phone, at 204.767.2101, or by email at manager@westlakewd.com.