

Project: Carpenter Creek Fish Passage

To: Granite Construction Company

**SCOPE OF SERVICES:**

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**Temporary Stream Diversion** **\$5,000.00 LS**

- Design with engineering calculations to develop pipe size and fittings for a single temporary diversion and pipe alignment. (double price if a secondary alignment design is required)
  - Submittal Package provides:
    - Professional Engineer State of Washington stamp
    - Engineered Calculations
    - Pump minimum requirements
  - Exclusion:
    - Field Inspections or site visits

**Temporary Grading Plan** **\$5,500.00 LS**

- Design with engineering calculations to develop grading plan for open cut excavation for the culvert structure.
  - Submittal Package provides:
    - Professional Engineer State of Washington stamp
    - Engineered Calculations
    - Slope stability analysis for Contractor required slopes\*
      - Crane ground bearing pressure shall be provided by Contractor
    - Construction drawings, notes, and details
  - Exclusions:
    - Temporary shoring plan design
    - Dewatering plan design
    - Implementation of grading plan
    - Field inspection or site visits

**Clarifications & Assumptions:**

Hourly rate for field inspections or site visits: \$200/hr + travel time

\*Assumed allowable slopes based on general review of the Geotechnical Report.

- 1.25H : 1V Slope
  - No surcharge or loading is allowed within 50 feet of top of slope
- 1.5H : 1V Slope
  - Equipment surcharge is acceptable within 10 feet of top of slope
  - Crane surcharge is acceptable within 20 feet of top of slope

Sincerely,

Sly A. Marcus, PE

Owner