**Project:** Carpenter Creek Fish Passage

**To:** Granite Construction Company

**SCOPE OF SERVICES:**

**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