

**LANDAU ASSOCIATES
SCOPE OF SERVICES AND BUDGET
CRITICAL AREAS REPORT
EDMONDS CITY PARK PLAY AND SPRAY REVITALIZATION**

Landau Associates will prepare a Critical Areas Report to address impacts and mitigation to wetland buffers identified in the June 6, 2013 draft *Wetland/Waterway Reconnaissance, City Park Play and Spray Area Revitalization* technical memorandum (reconnaissance memorandum) and subsequent wetland delineation efforts. The mitigation will be limited to buffer enhancement and buffer averaging to include selected clearing of non-native species and provide a planting plan.

Landau Associates will incorporate information presented in the reconnaissance memorandum in to the Critical Areas Report, which will contain results of the subsequent delineation effort, a summary of project impacts, and a description of mitigation, and will include:

- A summary of the methodology used
- The approximate size and rating of each wetland; and a characterization of wetland vegetation, soils, and hydrology
- A scaled site map showing the approximate locations of wetlands and buffers
- A buffer mitigation planting plan and specifications including: Mitigation goals, objectives, and performance standards; a timeline for mitigation monitoring and reporting; and contingency plans, as necessary
- Supporting photographs.

The draft Critical Areas Report will be provided to the City of Edmonds (City) for review. Comments will be reviewed and incorporated into a final Critical Areas Report.

Deliverables:

- An electronic (Adobe PDF) copy of the draft and final Critical Areas Report.

Assumptions:

- Project impacts will be required to comply with the City's current interim critical areas ordinance.
- Project impacts will be limited to wetland buffers
- Specifications will be formatted to Landau Associates standards.
- Project base mapping will be provided to Landau Associates in AutoCAD format.
- The mitigation planting plan will be incorporated into the design plans, and will be included as an attachment to the Critical Areas Report.
- The mitigation plan set will consist of no more than two sheets including planting plan, details, and plant list.

- Landau Associates AutoCAD standards will be used in developing mitigation design plans.
- This task does not include costs or labor to implement the mitigation plan.
- This task does not include time to conduct technical oversight of the implemented mitigation plan. Technical oversight of implementation of the mitigation plan is recommended, and a scope of services and cost estimate for this work can be provided upon request.
- This task does not include costs for monitoring of the installed mitigation design. Regulatory agencies typically require annual monitoring for a minimum time period (i.e., 3 to 10 years depending on type of mitigation) following implementation of the mitigation plan. A scope of services and cost estimate for this work can be provided upon request.
- Mitigation can be accommodated on site (within the project limits). If offsite mitigation is required, the City will identify a suitable site to accommodate the required mitigation.
- Landau Associates will include Sheet L5.0 of the project plans prepared by MacLeod Reckord for the 60% construction documents in the Critical Areas Report for the purpose of identifying project impacts.
- This scope includes time for a site reconnaissance to confirm limits of buffer mitigation area.

The above scope of services will be completed on a time-and-expenses basis in accordance with the terms of the On-Call Agreement between Landau Associates and the City of Edmonds. The budget for the above scope of services is \$5,156 in general accordance with the attached Consultant Fee Estimate.

The draft Critical Areas Report will be provided to the City within 2 weeks of receipt of notice to proceed. The final report will be provided within 1 week of receipt of comments from the City.

Project Cost Estimate
Natural Resources Services
Site Name
Site Location

Critical Areas Report
 City Park Play and Spray Revitalization
 Edmonds City Park

LAI Ref: SJQ/
 Date: 16-Oct-13
 Revised:
 Prepared By: SJQ

ESTIMATED LABOR:

WORK TASK DESCRIPTION	PERSONNEL & 2013 HOURLY RATES										TOTAL HOURS	TOTAL AMOUNT
	Principal	Assoc.	Senior	GIS Analys	Sr. Staff	Sr. CADD	Staff	Proj. Coord.	CADD	Admin.		
Field Recon			1								1	\$155
Mitigation Planning			4					8			12	\$1,380
Draft Report and Specifications		2	12					4	4		22	\$2,940
Final Report			2					2	2		6	\$680
											0	\$0
											0	\$0
											0	\$0
											0	\$0
											0	\$0
LABOR:	0	2	19	0	0	0	0	6	14	0	41	\$5,155

LABORATORY TEST SUMMARY:

Test	Est. No. Tests	Unit Cost	Total Cost
Moisture Content	0	\$12	\$0
Unit Weight	0	\$20	\$0
Combined Analysis	0	\$180	\$0
200 Wash Sieve	0	\$45	\$0
pH/Minimum Resistivity	0	\$60	\$0
Consolidation Testing	0	\$250	\$0
Grain Size/Atterberg Limits	0	\$85	\$0
LAB TOTAL:			\$0

ESTIMATED DIRECT EXPENSES:

Mileage @ \$0.5/mile	\$1
Computer Use	\$0
Photo Processing	\$0
Copies	\$0
Field Supplies	\$0
Vehicle Usage	\$0
Laboratory Testing	\$0
TOTAL DIRECT EXPENSES:	\$1

SUBCONTRACTOR COSTS:

Private Locator	
Backhoe Subcontractor	\$0
Drilling Subcontractor	
CPT Subcontractor	
Cuttings Disposal	\$0
TOTAL SUB COSTS:	\$0

PROJECT TOTALS AND SUMMARY:

Total Labor Cost	\$5,155
Direct Expenses	\$1
Subcontractor Costs + 12% markup	\$0
TOTAL:	\$5,156

DRILLING COSTS: CME Track Rig Holocene

Description	Qty	Cost	Total
Mob/Demob	0	\$475.00	\$0
Track - Rotary/HSA Drilling and Sampling	0	\$245.00	\$0
Moving, Set-up, Clean up	0	\$145.00	\$0
Extra Samples	0	\$20.00	\$0
Bentonite Chips	0	\$10.50	\$0
DOE card	0	\$25.00	\$0
Gator ATV	0	\$125.00	\$0
Subsistance		\$250.00	\$0
Redimix		\$7.20	\$0
Tax			\$0
DRILLING TOTAL:			\$0

Estimated CPT COSTS: NW Cone - Track? If available

Description	Qty	Cost	Total
Mob/Demob		\$250.00	\$0
Soundings (per foot) 4 - 50 foot cpts		\$8.50	\$0
Reporting (per report)		\$20.00	\$0
Materials		\$22.00	\$0
Hourly Charge		\$120.00	\$0
Seismic		\$20.00	\$0
Travel		\$90.00	\$0
CPT TOTAL:			\$0