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**ESTABLISHMENT OF NATIVE VEGETATION AT ST. JOHNS LANDFILL  
PROPOSED SCOPE OF WORK FOR:**

**PROJECT OVERSIGHT,**

**PREPARATION OF 1998 WORKING DRAFT REPORT,**

Containing Plan Elements D & E

**PREPARATION OF 1998 FINAL DRAFT REPORT**

Containing Plan Elements A, B, C, D, & E

**Duration of Work-** December 12, 1997 through September 1, 1998

**Submittal Dates-**

1998 Working Draft Report - August 1, 1998

1998 Final Draft Report - September 1, 1998

**Proposed Work Tasks-**

**Task 1: Compile/Review site information.**

- Oversee/Coordinate additional soil testing on 97/98 testplots to determine soil depth and severity of compaction.
- Oversee/Coordinate preliminary sampling of soil microflora on 97/98 testplots, old testplots and reference sites.

**Task 2: Conduct surveys of the existing cover vegetation at SJL.**

- Survey the vegetation on the 97/98 testplots.
- Oversee an additional application of herbicide to 97/98 testplots.
- Conduct two surveys of the existing cover vegetation on the entire landfill and old testplots (1992-1996).

**Task 3: Research regionally appropriate disturbed site revegetation efforts and integrated vegetation management (IVM) techniques.**

- Research IVM techniques for invasive non-native species inventoried in spring 1998.

**Task 4: Design a series of experimental testplots/garden plots.**

- Specify and Locate planting equipment and subcontractor for seeding of 1997-1998 Testplots in the Fall of 1998.
- Specify and Locate suppliers of seed for sowing in 1997-1998 Testplots in the Fall of 1998.
- Specify and Locate suppliers of mycorrhizal inoculum for application to selected 1997-1998 Testplots in the fall of 1998.
- Oversee additional garden plot plantings in the late Winter of 1998.

**Task 5: Prepare and Implement monitoring protocols for the experimental testplots.**

- Submit revisions to 1997 Final Draft Report (Plan Elements A, B, & C) as required.

**Task 6: Develop integrated vegetation management (IVM) plans for the existing native and non-native grasslands.**

- Revise existing IVM Plan (M. G. Wilson, April 1997) to include results of IVM research (Task 3 above) and 1997 inventory of existing cover vegetation on existing native and non-native grasslands. This task will satisfy Plan Elements D & E.

**Task 7: Prepare revisions to Project Work Schedule.**

- Suggest revisions to project work schedules as itemized in 1997 Final Draft Report (Plan Elements A, B, and C) as required.

**Task 8: Prepare revisions to Project Staffing and Budget.**

- Suggest revisions to Project Staffing and Budgets as itemized in 1997 Final Draft Report (Plan Elements A, B, and C) as required.

**Task 9: Participate in Metro - Design Team meetings. Prepare communications.**

- Present 1997 Final Draft Report (Plan Elements A, B, & C) to Smith & Bybee Lakes Technical Advisory Committee and Smith & Bybee Lakes Management Committee for approval [NOTE: This item to be funded by Amendment #1 budget].
- Manage WBW Project Team and submit written communications to Metro Project Manager as required.

**Task 10: Prepare 1998 Working Draft Report and Final Draft Report.**

**NOTE:** The 1998 Working Draft Report will contain only Plan Elements D & E. Upon approval by the Metro Project Manager, a 1998 Final Draft Report will be prepared and be combined with the 1997 Final Draft Report (which contains Plan Elements A, B, & C) into one document.

**ESTABLISHMENT OF NATIVE VEGETATION AT ST. JOHNS LANDFILL  
PROPOSED BUDGET FOR:**

**PROJECT OVERSIGHT,**

**PREPARATION OF 1998 WORKING DRAFT REPORT, &**

Containing Plan Elements D & E

**PREPARATION OF 1998 FINAL DRAFT REPORT**

Containing Plan Elements A, B, C, D, & E

**Professional Fee Schedules-**

Mark Griswold Wilson	\$80.00/per hour
Laura Brophy	\$70.00/per hour
Loverna Wilson	\$80.00/per hour

**Proposed Labor-**

<b>Task 1: Compile/Review site information.</b>	<b>\$1,700.00</b>
2 hours @ \$80.00/hour (MGW)	
22 hours @ \$70.00/hour (LB)	
<b>Task 2: Conduct surveys of the existing cover vegetation at SJL.</b>	<b>\$5,630.00</b>
6 hours @ \$80.00/hour (MGW)	
23 hours @ \$70.00/hour (LB)	
33 hours @ \$80.00/hour (LW)	
<b>Task 3: Research regionally appropriate disturbed site revegetation efforts and integrated vegetation management (IVM) techniques.</b>	<b>\$320.00</b>
4 hours @ \$80.00/hour (MGW)	
<b>Task 4: Design a series of experimental testplots &amp; garden plots.</b>	<b>\$3,300.00</b>
8 hours @ \$80.00/hour (MGW)	
38 hours @ \$70.00/hour (LB)	
<b>Task 5: Prepare revisions to the monitoring protocols for the experimental testplots.</b>	<b>\$160.00</b>
2 hours @ \$80.00/hour (MGW)	

<b>Task 6: Develop integrated vegetation management (IVM) plans for the existing native and non-native grasslands.</b>	<b>\$940.00</b>
8 hours @ \$80.00/hour (MGW) 2 hours @ \$70.00/hour (LB) 2 hours @ \$80.00/hour (LW)	
<b>Task 7: Prepare revisions to Project Work Schedule.</b>	<b>\$160.00</b>
2 hours @ \$80.00/hour (MGW)	
<b>Task 8: Prepare revisions to Project Staffing and Budget.</b>	<b>\$160.00</b>
2 hours @ \$80.00/hour (MGW)	
<b>Task 9: Participate in Metro - Design Team meetings. Prepare communications.</b>	
12 hours (MGW)	<b>\$960.00</b>
<b>Task 10: Prepare 1998 Working Draft Report &amp; 1998 Final Draft Report</b>	<b>\$1,080.00</b>
6 hours @ \$80.00/hour (MGW) 4 hours @ \$70.00/hour (LB) 4 hours @ \$80.00/hour (LW)	
<b>Labor Subtotal</b>	<b>\$14,410.00</b>

**Expense Schedule-**

Mileage: \$.32/mile

Travel time: ½ hourly rate

Meals: 1 per 4 hr. work @ \$8. each

Copy/Print/Post: at cost

FAX/Telephone: \$1.00 each

**Proposed Expenses-**

Mileage:	\$256.00
200 miles (MGW)	
600 miles (LB)	
Travel time:	\$900.00
4 hours (MGW)	
12 hours (LB)	
8 hours (LW)	
Meals:	\$136.00
17 meals (LB & LW)	
FAX/Telephone:	\$150.00
150 long distance calls (Project Team)	
Expenses Subtotal	\$1,442.00

**Total proposed budget:**

**\$15,852.00**

## **Project Work Schedule for the Consultants**

### **August 1997 through June 1998 (FY 98)**

#### **Summer 1997**

- Conduct vegetative survey and preliminary soil analysis to determine 1997-1998 testplot locations.
- Prepare 1997 [Phase 1] Working Draft Report.
- Determine location of garden plot. Oversee grow-out of vegetative plugs.

#### **Fall 1997**

- Present 1997 Working Draft Report to: Smith & Bybee Lakes Technical Advisory Committee and Smith & Bybee Lakes Management Committee for approval.
- Prepare 1997 Final Draft Report. Present to Smith & Bybee Lakes Technical Advisory Committee and Smith & Bybee Lakes Management Committee for approval.
- Oversee herbicide application to three 1 acre testplots and planting of plugs in garden plot.

#### **Winter 1997-1998**

- Conduct additional soil testing on 97/98 testplots to determine soil depth and severity of compaction.
- Conduct preliminary sampling of soil microflora on 97/98 testplots, old testplots and reference sites.
- Survey the vegetation on the 97/98 testplots. Oversee an additional application of herbicide to 97/98 testplots.
- Oversee additional garden plot plantings.
- Prepare Scope and Budget for submittal of 1998 [Phase 2] Working Draft Report.
- Conduct background research for preparation of 1997 Final Draft Report revisions and 1998 Working Draft Report.
- Submit 1997 Final Draft Report with revisions.

#### **Spring 1998**

- Survey/Monitor: old testplots and SJL areas not planted to native dominant vegetation.
- Survey the vegetation on the 97/98 testplots. Oversee an additional application of herbicide to 97/98 testplots.
- Prepare and Submit revisions to: 1997 Final Draft Report as required.
- Select garden plot expansion area. Initiate site prep work.
- Oversee continuing site prep work on 97/98 testplots.
- Locate suppliers and subcontract labor for testplot seeding in Fall 1998.
- Conduct background research for preparation of 1998 Working Draft Report.

**July 1998 through June 1999 (FY 99)**

**Summer 1998**

- Prepare and Submit revisions to 1997 Final Draft Report as required.
- Prepare 1998 Working Draft Report. Present to Smith & Bybee Lakes Technical Advisory Committee and Smith & Bybee Lakes Management Committee for approval.
- Prepare 1998 Final Draft Report. Combine with 1997 Final Draft Report.
- Survey/Monitor: old testplots and SJL areas not planted to native dominant vegetation.
- Survey the vegetation on the 97/98 testplots. Oversee an additional application of herbicide to 97/98 testplots (optional).
- Oversee production of mycorrhizal inoculum for 97/98 testplots.

**January 5, 1998**

**ST. JOHNS LANDFILL NATIVE PLANT ESTABLISHMENT  
PROPOSED SUBMITTAL DATES (revised from 10/16/97 document)**

October 17, 1997:

- Scope and Budget for Completion of Plan Elements A, B, and C from Scope of Work (Phase 1 Final Draft).

November 3, 1997:

- Plan Elements A, B, and C from Scope of Work (Phase 1 Final Draft).
- Responses to D. O'Neil review [dated 9/12/97] of Phase 1 Working Draft [dated 8/22/97].

January 9, 1998:

- Preparation of Revisions to 1997 Final Draft Report [Plan Elements A, B, & C]
- Scope and Budget for:  
Preparation of 1998 Working Draft Report [Plan Elements D & E] and  
Revisions to Plan Elements A, B, & C

August 1, 1998:

- 1998 Working Draft Report [Plan Elements D & E from Scope of Work]

September 1, 1998:

- 1998 Final Draft Report [Plan Elements A, B, C, D & E from Scope of Work  
[NOTE: If Metro comments to the 1998 Working Draft Report are  
made by 8/10/98, the consultants will prepare the 1998 Final Draft  
Report by 9/1/98.]