



# METRO

2000 SW First Avenue  
Portland, OR 97201-5398  
(503) 221-1646  
Fax 241-7417

July 23, 1992

Executive Officer  
Rena Cusma

Metro Council

Jim Gardner  
Presiding Officer  
District 3

Judy Wyers  
Deputy Presiding  
Officer  
District 8

Susan McLain  
District 1

Lawrence Bauer  
District 2

Richard Devlin  
District 4

Edward P. Gronke  
District 5

George Van Bergen  
District 6

Ruth McFarland  
District 7

Tanya Collier  
District 9

Roger Buchanan  
District 10

Ed Washington  
District 11

Sandi Hansen  
District 12

L & H Grading, Inc.  
8765 Portland Road NE  
P. O. Box 9220  
Salem, OR 97305

Attention: Jim Beck

RE: St. Johns Landfill Cover Vegetation Plan - Sub-Area 1 Test Plot Plan

Dear Jim:

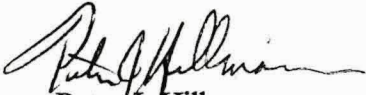
The purpose of this letter is to serve as an advance warning of expected direction to execute changes in soil profiles and vegetative cover in Sub-Area 1. It is our intention to use the cover for Sub-Area 1 to study the mutual effects of soil, plant types, slope and orientation in order to arrive at the best design for the entire landfill. Fishman Environmental Services has produced a "Draft Report" which is included with this letter. The "Draft Report" is not a construction document and elements of the proposed test have already been changed to facilitate construction. We do not plan to construct the bioswale/forest wetland/riparian woodland at this time.

Attached as Enclosure 1 is an outline of the test areas currently planned for Sub-Area 1. Enclosure 2 is a table of the currently planned soil profiles. You will note that existing specifications for hydroseed mix and for imported topsoil no longer apply. No Mecklinberger Sheep Fescue or Manhattan Perennial Ryegrass will be planted. Topsoil will not be mixed offsite. Imported subsoil and imported compost will be placed and mixed in place in the test areas, and in other areas to supplement existing topsoil as required.

Jim Beck  
July 23, 1992  
Page 2

Please review the "Draft Report" at Enclosure 3 in light of the changes included in Enclosures 1 and 2. We plan to have a joint meeting with Fishman Environmental Services early next week to answer questions and finalize plans for execution of the work.

Sincerely



Peter J. Hillmann  
Construction Coordinator

cc: Nelson Davis, Parametrix  
Dennis O'Neil, Senior Solid Waste Planner  
Jim Morgan, Senior Regional Planner

Enc: 1) Sub-Area 1 Test Plot Plan (Revised 7/22/92)  
2) Sub-Area 1 Test Plot Soil Profiles  
3) Draft Report - St. Johns Landfill Cover Vegetation Plan dated 7/9/92

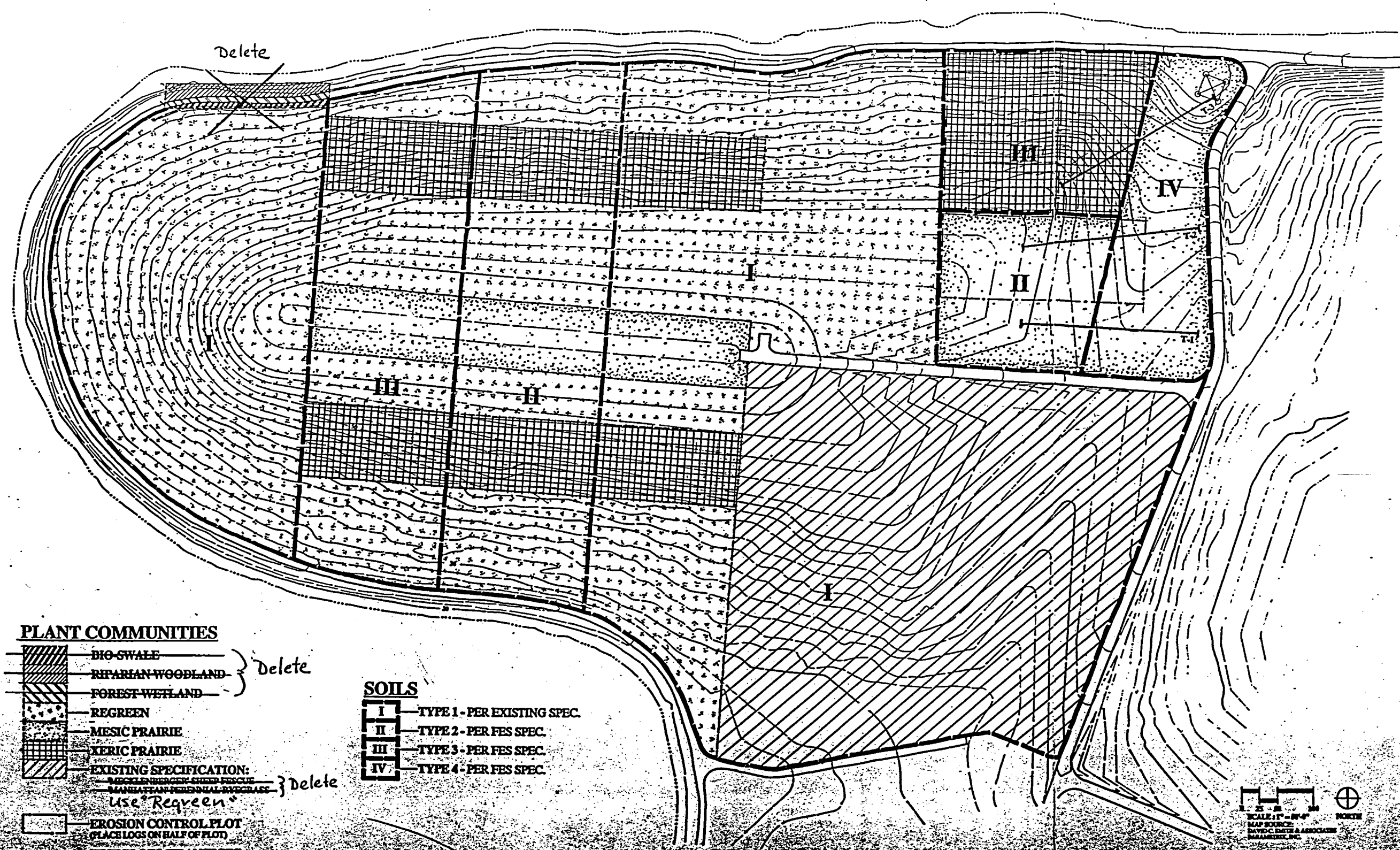
PH:clk  
s:\hill\letters\L&H0722.ltr

**VEGETATION PLAN**  
**SUB-AREA 1 TEST PLOT**  
**SOIL PROFILES**

TYPE PLANTING	SOIL PROFILE	SOIL TYPE I	SOIL TYPE II	SOIL TYPE III	SOIL TYPE IV
Mesic Prairie	C Sand B Subsoil A Topsoil  Total Depth		1.0' 9" (12") <u>6"</u> 3" compost Disc into top 3" subsoil 2.25'	1.5' 9" (12") <u>6"</u> 3" compost Disc into top 3" subsoil 2.75'	
Xeric Prairie	C Sand B Subsoil A Topsoil  Total Depth		1.5' 6" (8") <u>4"</u> 2" compost Disc into top 2" subsoil 2.33'	1.5' --- (3") <u>6"</u> 3" compost Disc into top 3" subsoil 2.0'	
Valley Bottoms	C Sand B Subsoil A Topsoil  Total Depth				1.0' 1.25" (18") <u>6"</u> 3" compost Disc into top 3" subsoil 2.75"
"Regreen" and Existing Spec Areas	C Sand B Subsoil A Topsoil  Total Depth	1.5' --- <u>1.0'</u> 2.5'	1.5' --- <u>1.0'</u> 2.5'	1.5' --- <u>1.0'</u> 2.5'	

**VEGETATION PLAN  
SUB-AREA 1 TEST PLOT  
SOIL PROFILES**

TYPE PLANTING	SOIL PROFILE	SOIL TYPE I	SOIL TYPE II	SOIL TYPE III	SOIL TYPE IV
Mesic Prairie	C Sand B Subsoil  A Topsoil  Total Depth		1.0' 9" - 6" Existing topsoil plus 6" new subsoil 6" - 3" Compost disced into top 3" subsoil 2.25'	1.5' 9" - 6" Existing topsoil plus 6" new subsoil 6" - 3" Compost disced into top 3" subsoil 2.75'	
Xeric Prairie	C Sand B Subsoil  A Topsoil  Total Depth		1.5' 6" - 8" New subsoil 4" - 2" Compost disced into top 2" subsoil 2.33'	1.5' - 3" New subsoil - 3" Compost disced into top 3" subsoil 2.0'	
Valley Bottoms	C Sand B Subsoil  A Topsoil  Total Depth				1.0' 18"-15" Existing topsoil plus 6" imported subsoil 6" - 3" Compost disced into top 3" subsoil 3.0'
"Regreen" and Existing Spec Areas	C Sand B Subsoil A Topsoil  Total Depth	1.5' 6" - 6" Existing topsoil 6" - 3" Imported subsoil 3" compost disced 2.5' 6" deep	1.5' 6" - 6" Existing topsoil 6" - 3" Imported subsoil 3" compost disced 6" 2.5' deep	1.5' 6" - 6" Existing topsoil 6" - 3" Imported subsoil 3" compost disced 6" 2.5' deep	



**PLANT COMMUNITIES**

- BIO-SWALE
- RIPARIAN WOODLAND
- FOREST WETLAND
- REGREEN
- MESIC PRAIRIE
- XERIC PRAIRIE
- EXISTING SPECIFICATION:  
MISCELLANEOUS SHRUB SPECIES  
MANHATTAN PERENNIAL RYEGRASS
- Use Regreen
- EROSION CONTROL PLOT  
(PLACE LOGS ON HALF OF PLOT)
- TEST PLOTS (TRANSECTS)
- T-1 — ROSA NUTKANA, SYMPHORICARPOS ALBUS
- T-2 — AMELANCHIER ALNIFOLIA, SALIX SCOUERIANA
- T-3 — AMELANCHIER ALNIFOLIA, SALIX SCOUERIANA

**SOILS**

- I — TYPE 1 - PER EXISTING SPEC.
- II — TYPE 2 - PER FES SPEC.
- III — TYPE 3 - PER FES SPEC.
- IV — TYPE 4 - PER FES SPEC.

**METROPOLITAN SERVICE DISTRICT  
SOLID WASTE DEPARTMENT**

FISHMAN ENVIRONMENTAL SERVICES

MARK G. WILSON - HORTICULTURIST • WES JARRELL • MIKE PAMA & ASSOCIATES • LANDSCAPE ARCHITECTS



**SUBAREA 1 TEST PLOT PLAN**

Revised 7/22/92 PHH

**ST. JOHNS LANDFILL COVER VEGETATION PLAN**