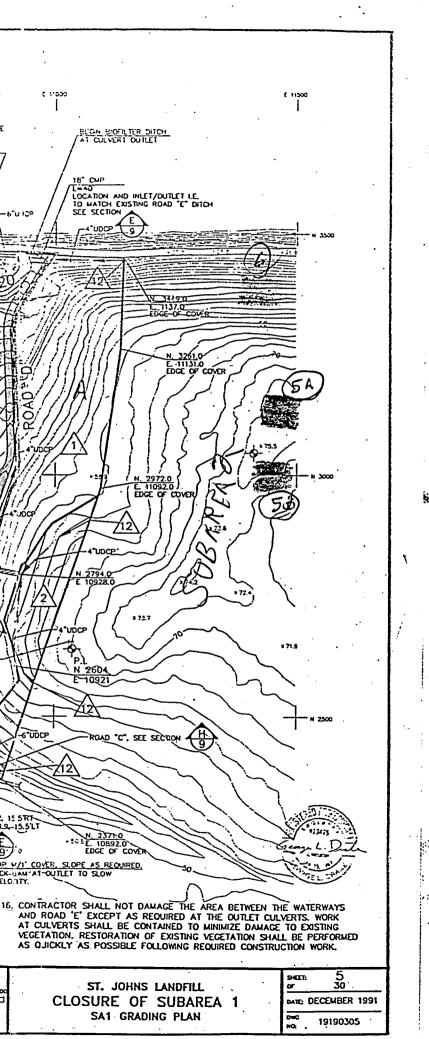
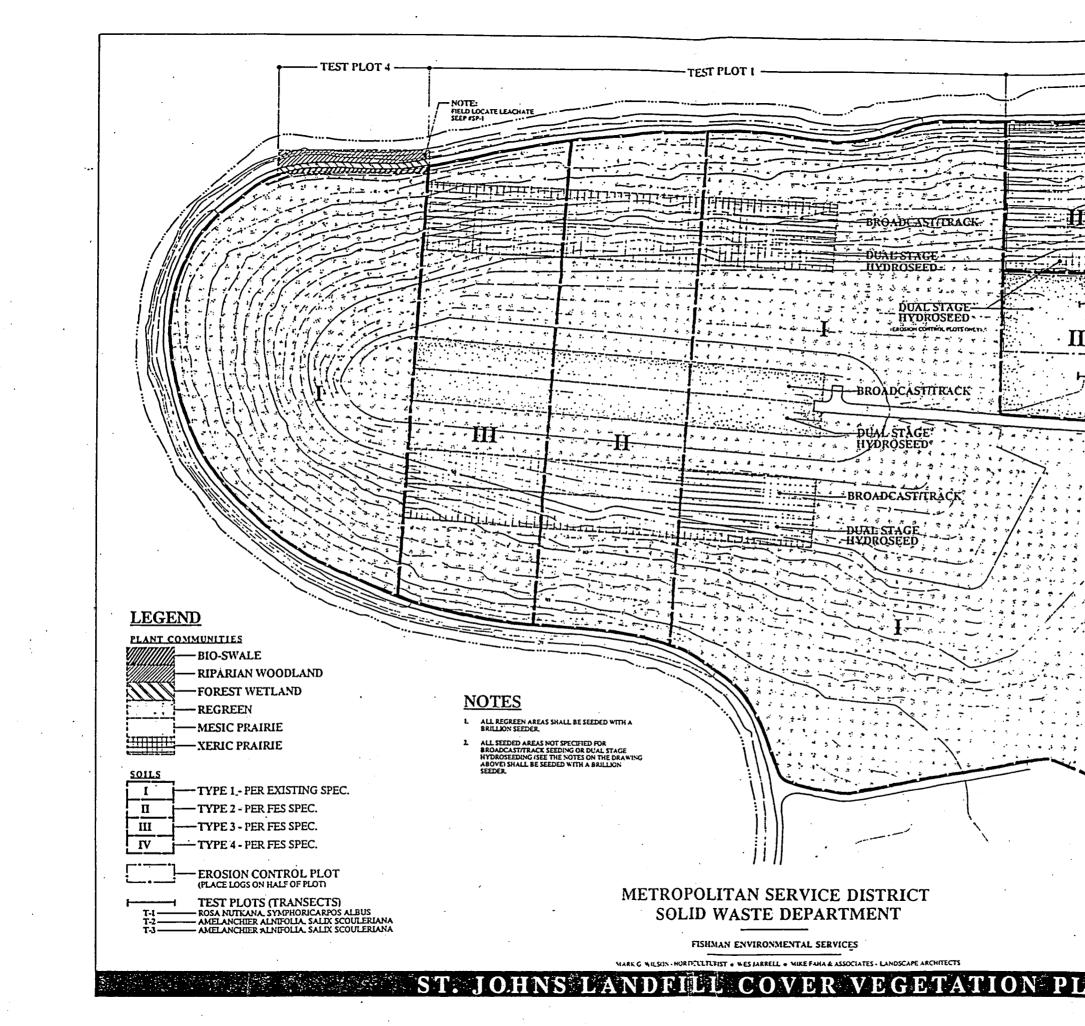
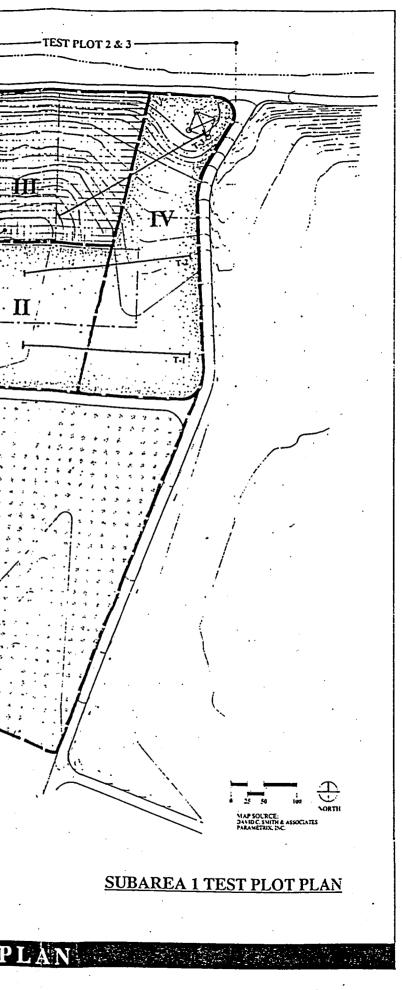
NATIVE GRASS ESTABLISHMENT PLOTS		•
PLOT NUMBER 1A - HERBICIDE/TILL		
Plot Location: Subarea 1	۵۵۵۰ ۲	C 10000
PLOT NUMBER 1B - HERBICIDE/NO TILL Plot Location: Subarea 1		PEMOVE EXISTING CULVERT REMOTE CONDENSATE
PLOT NUMBER 2 - SOLARIZATION AND TILLAGE ONLY		LOCATION - PUMP STATION T-J. LOCATION - STATION T-J. SEE DETAIL 225 NULET LE15.5
Plot Location: Subarea 1		
PLOT NUMBER 3A - TILLAGE ONLY	€. 10,500	
Plot Location: Subarea 1 PLOT NUMBER 3B - ACID pH		
Plot Location: Subarea 1		
	61000	
FALLOWING DEMONSTRATION PLOTS PLOT NUMBER 5A - SWATHING TO CONTROL RYEGRASS		PLACE CHECK DAMS
Plot Location: Subarea 2		CONTR DIGH
PLOT NUMBER 5B - FLAIL MOWING TO CONTROL RYEGRASS		
Plot Location: Subarea 2		
CONTROL PLOTS	C. BARDA	STA 65+30 - DITCH STARTS
PLOT NUMBER 6 - CONTROL (No manipulation)		
Plot Locations: Subarea 1 and 2	D TURNOUT	BECIN BIOTILTRATIO
MONITORING WELLS, PROTECT IN PLACE, SEE DETAIL (5)		h A M
MONITORING WELLS, TO BE ABANDONED BY OTHERS	60	ROAD VET THEN
	(55.3)	
TYPE "B" U		
AD AD		A UDOR STA PHESI TOP
NOTES: TYPE 'A' COVER SHALL BE INSTALLED ON EXISTING SLOPES, AS SHOWN, PER DETAIL U. REMOVE EXISTING TOPSOIL AND RECOMPACT EXISTING I OW PERM SOIL FOR GEOMEMBRANE SUBGRADE PER THE SPECIFICATIONS	ETTICE CENTRALION	
CEOMEMBRANE SUBGRADE WILL GENERALLY BE 6 INCHES BELOW EXISTING GRADES SHOWN.	N. 25160 N. 25160 K. 25160 L. 10193.0 L. 10161.0 L. 10161.0	
TYPE 'B' COVER SHALL BE INSTALLED WHERE GEOMEMBRANE SUBGRADE CONTOURS ARE SHOWN, PER DETAIL IN REMOVE EXISTING TOPSOIL AND LOW PERMEABLE SOIL AND FILL TO ONE FOOT BELOW GEOMEMBRANE SUBGRADE N	MANHOLE NO. 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Restand
SUBGRADE EMBANKMENT MATERIAL (FILL TO GEOMEMBRANE SUBGRADE WITH SUBGRADE EMBANKMENT WHEN INSTA BENTONITE MAT IN PLACE OF LOW PERMEABLE SOIL LAYER).	ALLING REMOVE EXISTING CULVERT INSTALL 27 CMP AT SAME LOCATION	
3. FOR ACCESS ROAD ALIGNMENTS SEE SHEET 6.	SEE DETAIL (C28) (15) FLUME LOCATE 20	- 31.2 COECK DAW
4. CONTRACTOR SHALL PLAN FOR DITCH EXCAVATION AS NECESSARY, CONTOURS DO NOT REFLECT EXCAVATION FOR DRAINAGE DITCHES.	FROM M.H. /2 27 CUP.	B'TTOR
5. PLACE QUARRY SPALL CHECKDAMS AT MID-SLOPE OF DOWN SLOPE FLUMES, UNLESS OTHERWISE SHOWN ON THE		CONTER DUTCH PART
<ol> <li>SEE SHEET 10 FOR GEOMEMBRANE PENETRATION DETAILS.</li> <li>UPPER DRAINAGE DITCHES SHALL MAINTAIN A MIN. 1% SLOPE. LOCATIONS AND SLOPES MAY BE AMENDED TO MAT</li> </ol>	SEDIMENTATION BASIN W-1.	
ACTUAL SITE CONDITIONS. ENGINEER MUST PREAPPROVE ALL AMENDMENTS. LOWER DRAINAGE DITCHES SHALL HAV CONTINUOUS DRAINAGE TO CULVERT AND/OR SEDIMENTATION BASIN.		$\begin{array}{c} z \\ z $
8. FOR DOWN SLOPE FLUME INLET AND OUTLET, SEE DETAIL $\begin{pmatrix} C23\\ 14 \end{pmatrix}$	VACUUM PUMP STATION VS-1,	2 <u>N. 24710</u> E. 10666.0 <u>(N: 24210</u> ) SET SECTION C. <u>106820</u> SET SECTION E 106820
$\mathbb{A}$ ROAD TET ALIGNMENT AND DRAINAGE TO FOLLOW EXISTING ROAD AND DRAINAGE, PER SECTIONS $\mathbb{A}$ $\mathbb{B}$ $\mathbb{B}$ .	SEE DETAIL P25 25	
10. CONTRACTOR TO SCHEDULE EXTENSION OF MONITORING WELL H-1 WITH MONITORING WELL CONTRACTOR AS NECESSARY.		
A	14. END OF ACCESS ROAD AT LIMITS OF GEOMEMBRANE SHALL BE TH	ANSITIONED DOWN TO MATCH
$\Delta$ cap end of udcp. A temporary ditch is a 2' deep 3H: 1V V-ditch. Hydroseed and place erosion control mat in temporary	EXISTING GRADES AT 10% SLOPE. ROADWAY EMBANKMENT AND C OF GEOMEMBRANE SIMULAR TO TYPE I SAND AND TOPSOIL IN DE	TAIL CONTINUE PAST UMITS
SLOPE AT MINIMUM 0.5%	15. LOCATIONS OF VERTICAL GAS WELLS AND HORIZONTAL GAS TREND ON SHEET 4. SEE SHEETS 16-18 FOR DETAILED LOCATIONS.	CH RISERS ARE SHOWN, IN GENERAL,
Parametrix, Inc. DATE DATE	METROPOLITAN SERVICE DISTRICT	
Provide the ready         Difference the ready <thdifference ready<="" th="" the=""> <thdifference th="" th<=""><th>Sclid Waste Department</th><th></th></thdifference></thdifference>	Sclid Waste Department	
3 300 there by Suite 20 702 KL, Halway, Suite 8-6 Proverse, Universe 4032 Parties, Despin 8216 201-327-6014 203-226-544 DESCH REVER: Dut 11/01	Dennis O'Neil, Project Manager	SCALE IN FEET

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	SOIL TYPE 4				1.0 ft. 18 ins 15 ins. Existing topsoil plus 6 ins. imported	6 ins 3 ins. Compost disced into top 3 ins. 3.0 ft. subsoil		
TABLE 3 SUBAREA 1 TEST PLOT SOIL PROFILES SUMMARY	SOIL TYPE 3	<ul> <li>1.5 ft.</li> <li>9 ins 6 ins. Existing topsoil plus 6 ins. new subsoil</li> <li>6 ins 3 ins. Compost disced into top 3 ins.</li> </ul>	2.75 ft. subsoil	<ol> <li>1.5 ft.</li> <li>3 ins. New subsoil</li> <li>3 ins. Compost disced into top</li> <li>3 ins.</li> <li>2.0 ft. subsoil</li> </ol>			<ol> <li>1.5 ft.</li> <li>6 ins 6 ins. Existing topsoil</li> <li>6 ins 3 ins. Imported subsoil</li> <li>3 ins. compost disced</li> <li>6 ins. deep</li> <li>2.5 ft. deep</li> </ol>	
	SOIL TYPE 2	<ol> <li>1.0 ft</li> <li>9 ins 6 ins. Existing topsoil</li> <li>plus 6 inches new</li> <li>subsoil</li> <li>6 ins 3 ins. Compost disced</li> <li>into top 3 ins.</li> </ol>	2.25 ft. subsoil	<ul> <li>1.5 ft</li> <li>6 ins 8 ins. New subsoil</li> <li>4 ins 2 ins. compost disced into top 2 ins.</li> <li>2.33 ft subsoll</li> </ul>			<ol> <li>1.5 ft.</li> <li>6 ins 6 ins. Existing topsoil</li> <li>6 ins 3 ins. Imported subsoil</li> <li>3 ins. compost disced</li> <li>6 ins. deep</li> <li>2.5 ft. deep</li> </ol>	
	SOIL TYPE 1						<ul> <li>1.5 ft.</li> <li>6 ins 6 ins. Existing topsoil</li> <li>6 ins 3 ins. Imported subsoil</li> <li>3 ins. compost disced</li> <li>6 ins. deep</li> </ul>	
	SOIL	Ċ Sand B Subsoil A Topsoil	Total Depth	C Sand B Subsoil A Topsoil Total Depth	C Sand B Subsoil	A Topsoil	Local Deput C Sand B Subsoil A Topsoil Total Denth	10(4) 7(4)

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## TP3.Erosion plots.

Within the shrub test plots, we have the continuous long slopes needed to effectively test the effects of soil types on sensitivity to erosion. As seen from the test plot figure, the steep northwest portion of the test area will be split into a stretch which receives cull logs placed over the soil. These logs are in place to retain any surface runoff water longer on the site, thereby increasing infiltration rates and decreasing the potential for gully formation. In addition, they provide increased diversity of microhabitat and, as they decompose, add stable organic matter to the soil. We will intentionally use cull logs which are already infected with wood rot fungi, thus increasing the potential decomposition rates.

TP4.Bioswale/riparian woodland test plots

We propose to close off the road from just east of Seep Leachate SP-1 as designated on maps, westward to the point at which drainage breaks from north to south. The road should be regraded to provide a counterslope flow. The swale should be broken up with small check dams at 50' intervals. The dams should be as high as possible without causing surface water to overflow the banks into the slough.

Additional low permeability (10<sup>-5</sup>) soil should be placed on top of the original soil to minimize infiltration and keep water on the site longer (see Figure 2).

The bioswale area will be planted with the sod mats described in Section 6.1.4. In addition, the areas on the banks themselves will be planted with shrubs.

riparian woodland species.

elsewhere in Section II of this report.

The riparian zone below the bioswale will be densely planted with native forested wetland and

See the Soil Profile Summary Chart, the Subarea 1 Test Plot Plan and the seeding specifications