

# Silver Creek Cliff Trail Project

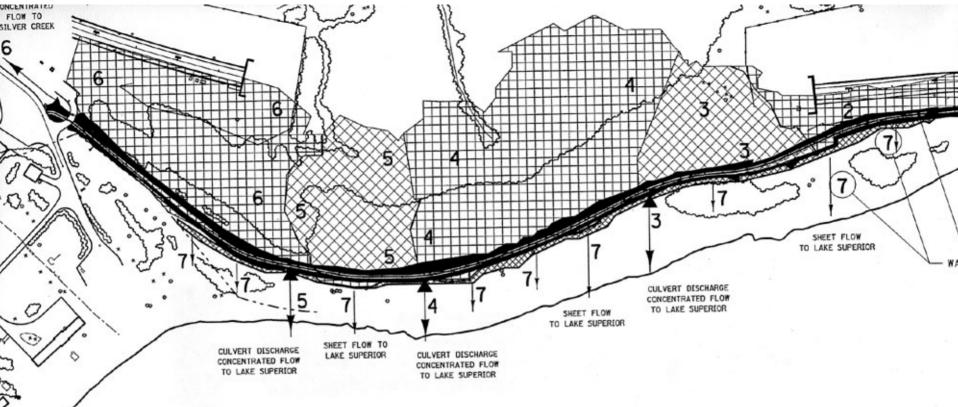
Peregrine falcon nesting area

#### Historic viewshed

Special water of the state

Rare and threatened plants



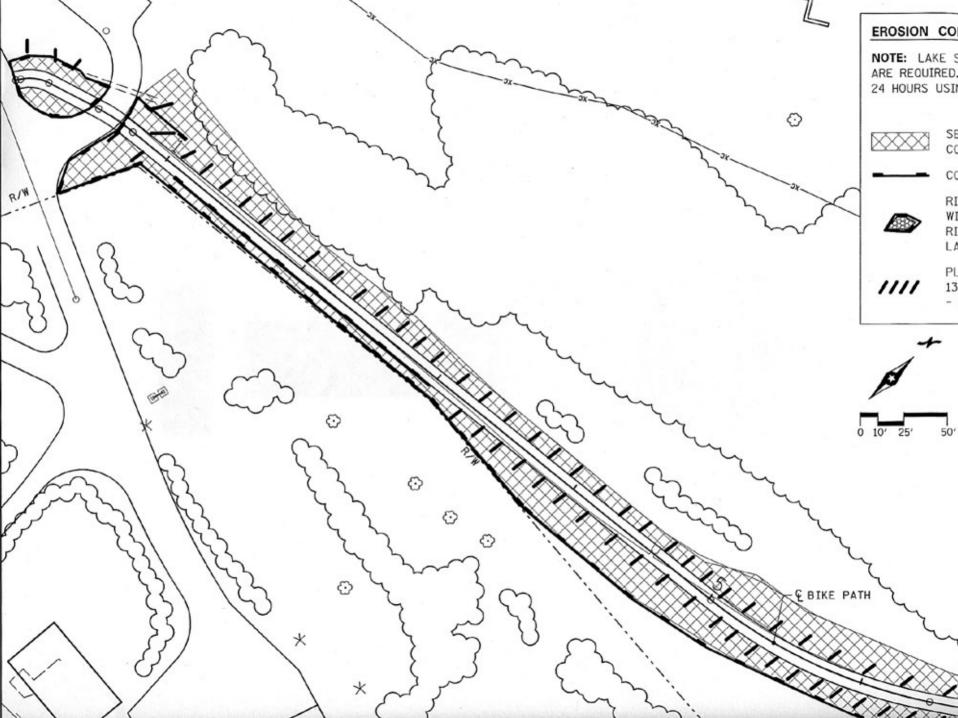


	WATERSHED TABULATION									
AREA	SURFACE AREA TOTAL	DISTURBED AREA	FLOW TYPE	RECEIVED BY	AREA	S.Y.	AC.	RAPID ST	ABILIZATION	METHOD 5
-	23.630 S.F.	7.285 S.F.	CONCENTRATED	LAKE SUPERIOR	1	809	0.17	x	X(1)(3)	х
1		28.678 S.F.	CONCENTRATED	LAKE SUPERIOR	2	3186	0.66	X34		X3
2	81,497 S.F.	5.458 S.F.	CONCENTRATED	LAKE SUPERIOR	3	606	0.13		X(1)(3)	х
3	81771 S.F.	7.744 S.F.	CONCENTRATED	LAKE SUPERIOR	4	860	0.18		XII 3	х
4	247,193 S.F.	4.682 S.F.	CONCENTRATED	LAKE SUPERIOR	5	520	0.11		XD3	x
5	92,824 S.F.	12.190 S.F.	CONCENTRATED	SILVER CLIFF CREEK		1354	0.28		X13	×
6	190,447 S.F.	6,660 S.F.	SHEET FLOW	LAKE SUPERIOR	73	740	0.15		X123	

#### NOTES:

- ALL SLOPES AND DISTURBED A MUST BE STABILIZED 200' UPS
- 2) ALL POSITIVE SLOPES TO LAKE PROGRESSIVELY WORKING THE
- 3) 1/6 ACRE INCREMENTS WITHIN EXPOSED SOILS - 7 DAYS
- (4) ALL TOPSOIL STOCKPILES WILL

STATE OF MINIESOTA										
FILE NAME	DATE	PROJECT MANAGER		I HENGEY CORTEY THAT THES PLAN EAS PREPARED BY ME OF UNCOTH MY LANGSOME ANOMETET UNCOT THE LANS OF THE STATE OF NUMBERONA, ONKET SUPERVISION AND THAT I AN A OLLY LEDGED PROTESSONA.		DEPARTMENT OF TRANSPORTATION	SILVER	CREE		
CAEW2KS004\I:\sitedevelopment\mn\prJ\ class4\silvercl\finals\silvercltf.004	enerri unitopi je od mant zoot zite	D. OBERNOL TE		ант. <u>02-03-03</u> ис. ко. <u>19383</u>		OFFICE OF TECHNICAL SUPPORT SITE DEVELOPMENT MS688 TRANSPORTATION BUILDING ST. PAUL MINNESOTA 53155-1899	STATE PR	OJ. NO.		















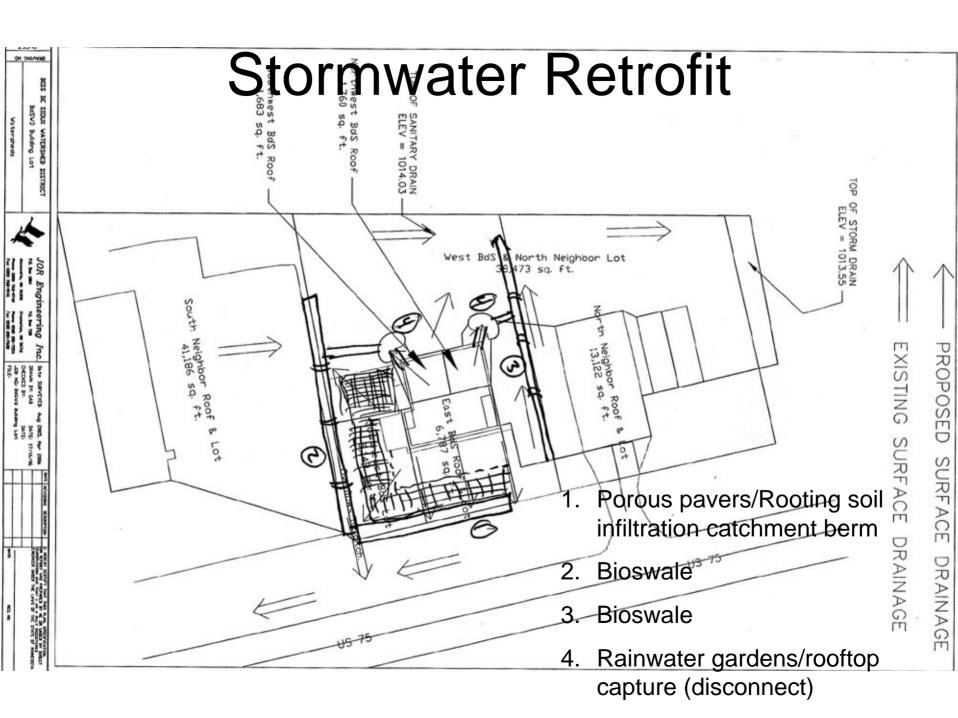
## July 13, 2006

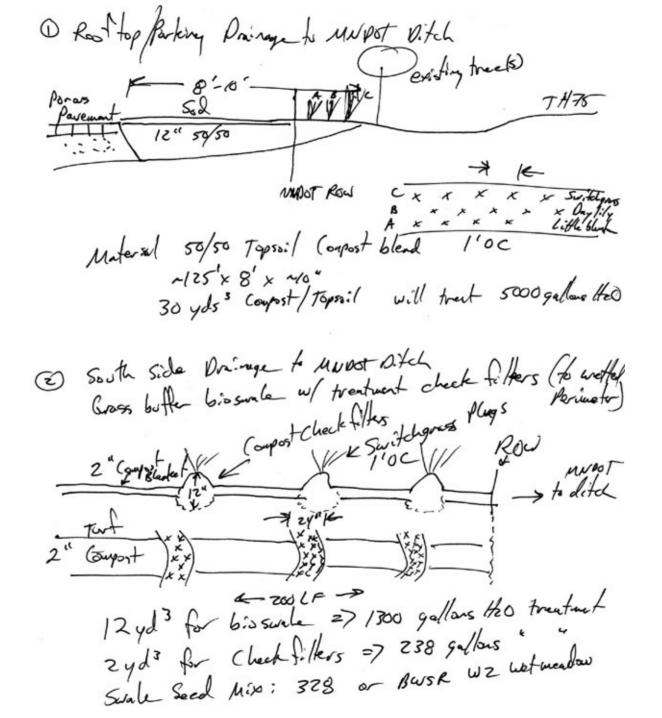
LAS A

### **Compost Calculations**

- 270 yd<sup>3</sup> per acre = 2 inches *loose fill*
- 1 lb compost will capture 2.5 lbs water = 0.3 gallons (2.5 to 8 times its weight)
- 1 yd<sup>3</sup> compost = 900 lbs
- 2 inches compost = 50 lbs/yd<sup>2</sup> = 15 gallons water/yd<sup>2</sup> = 2.5 inch rain storage
- Assume 60 percent water typical concentration, 1.5 inches captured/yd<sup>2</sup>

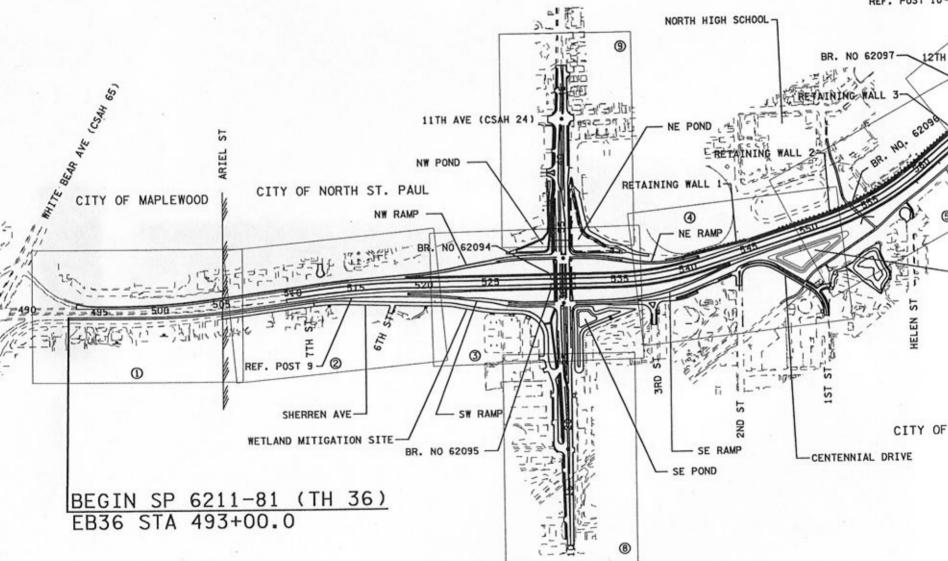
# Loose fill version 2





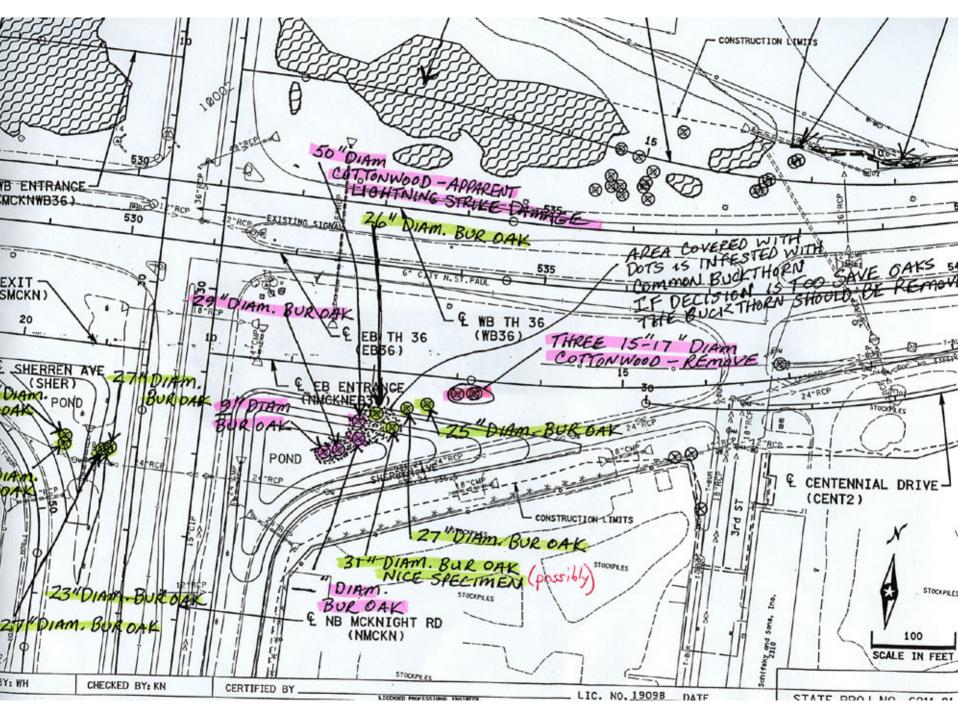
Kain water Gardene ->A Hickenbottom 1 10 Note or South Dife Soil Medda 50/50 blend of Sand and Compost Perk rate = 4" AA A some 12×24' => will treat 3240 gallous Heo

### Bur oak Salvage



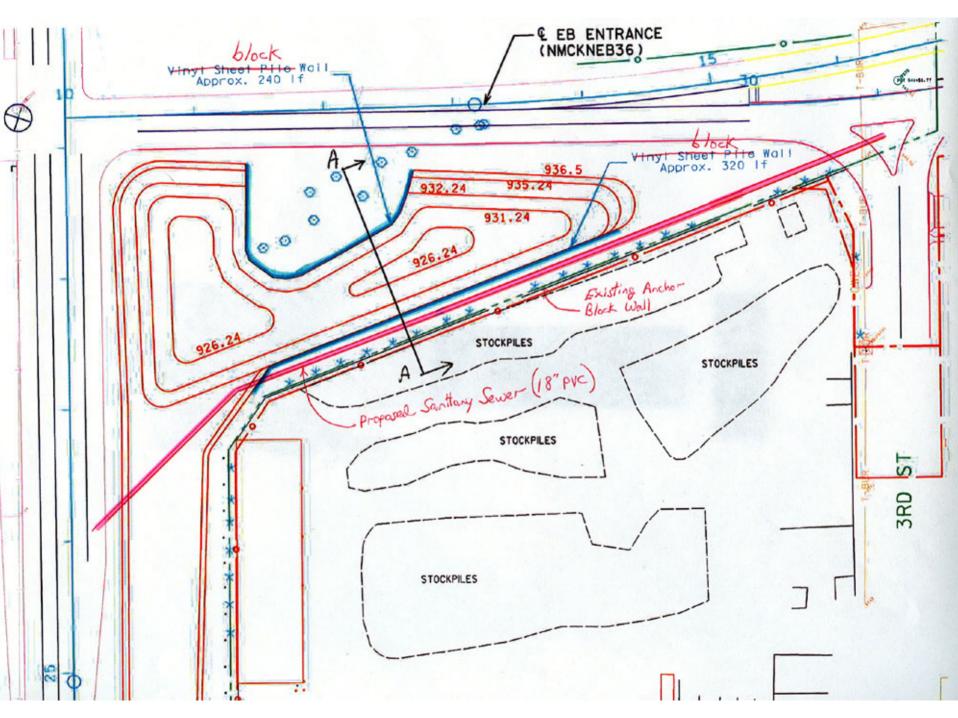
ACKNIGHT RD (CSA

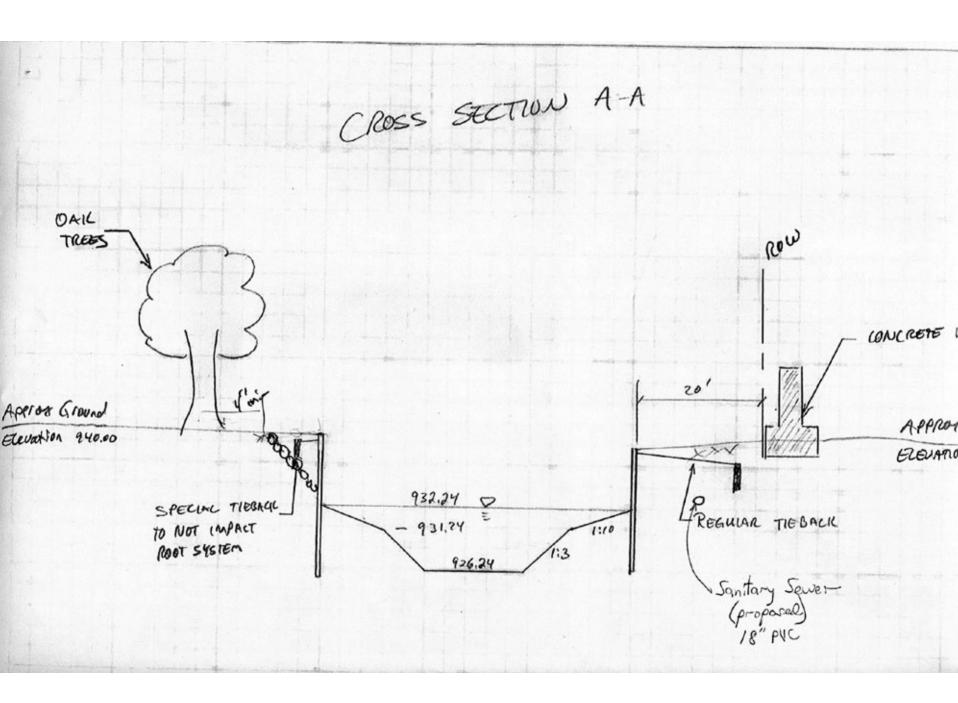
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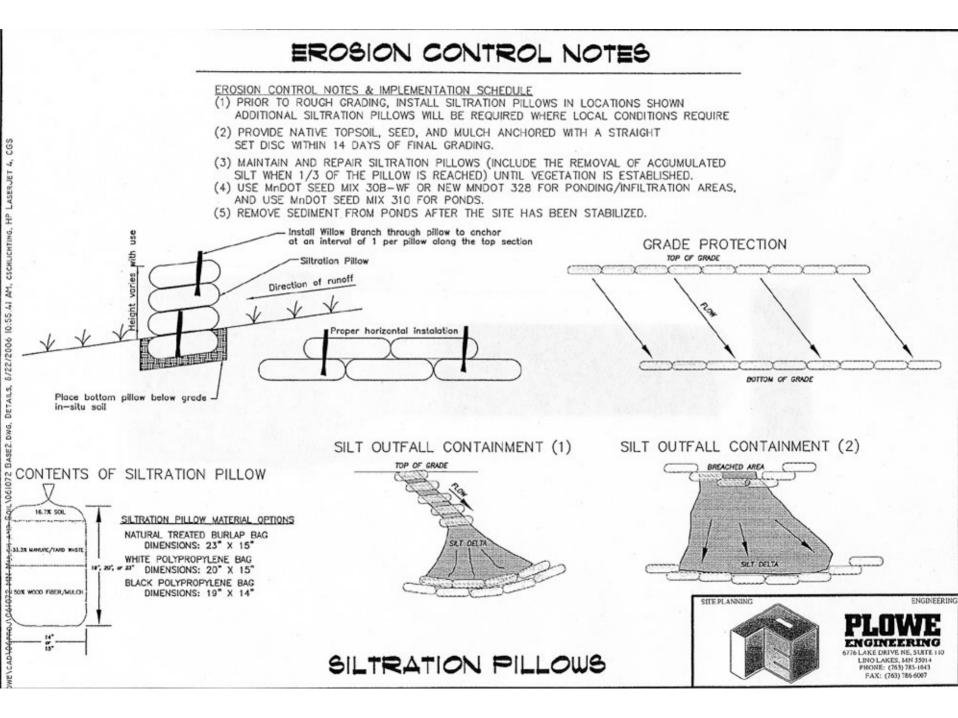


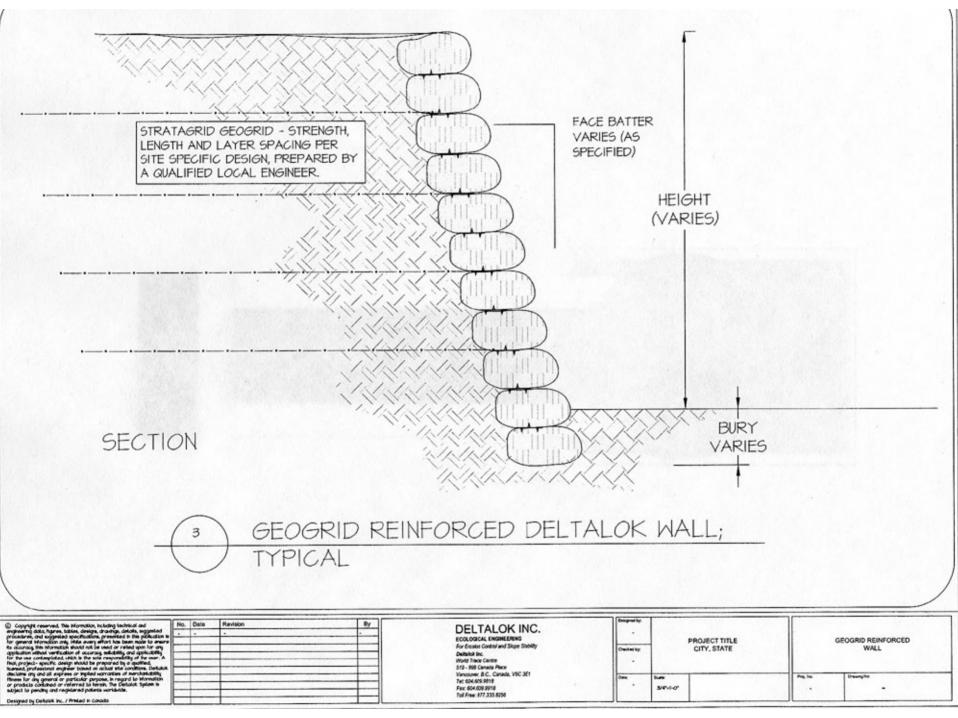












## **Ditch** phytoremediation

