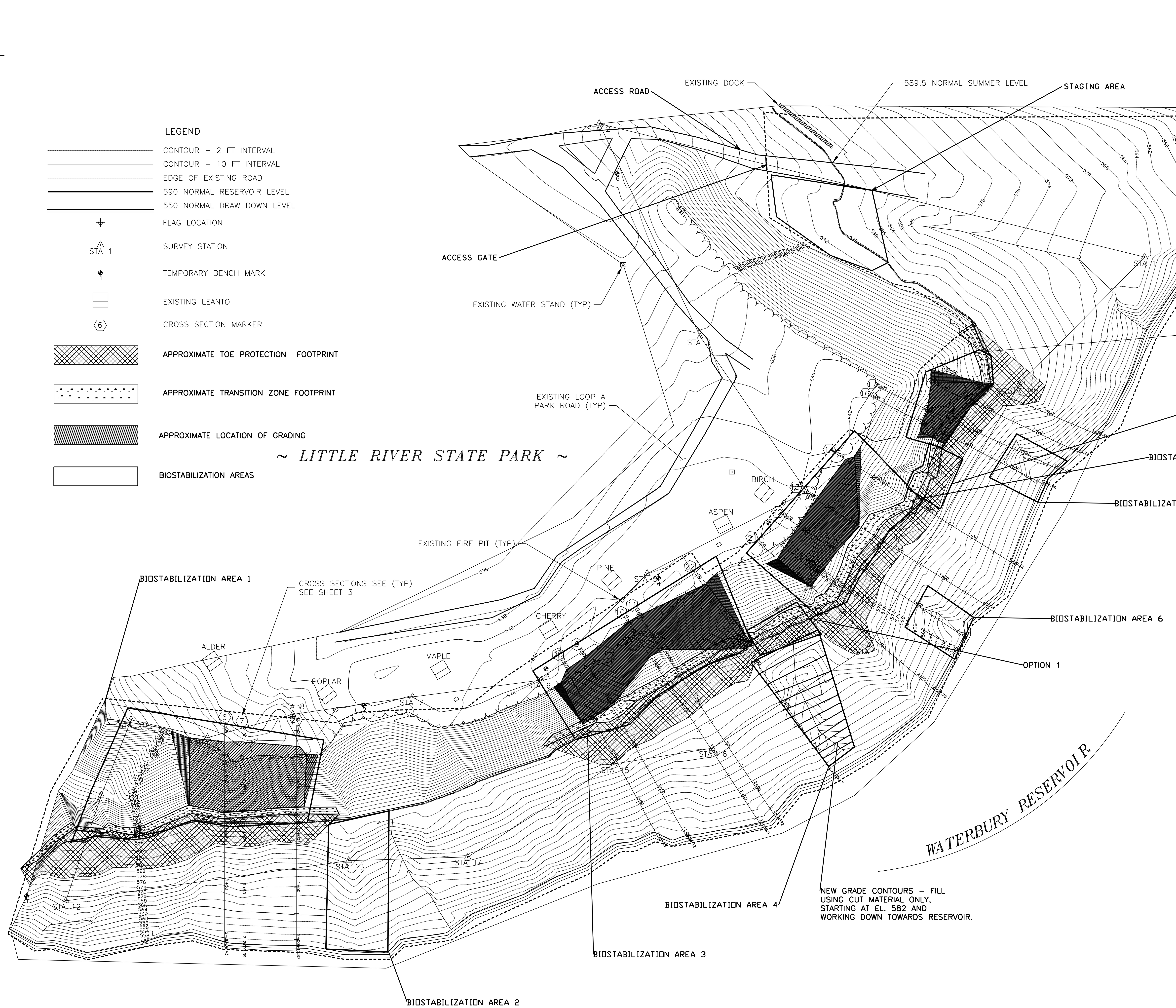

BIOSTABILIZATION AREAS

AREA	ACRE	SHORELINE DISTANCE	VOLUME
1	0.60	280'	877 CUYD
2	0.14	38'	
3	0.35	183'	909 CUYD
4	0.14	38'	-
5	0.31	150'	773 CUYD
6	0.04	30'	
7	0.10	110'	77 CUYD
8	0.06	30'	

TEMPORARY BENCH MARK TABLE

TBM#	ELEV (FT.)	DESC.
1	574.29	CHISLED "X" IN LEDGE
2	640.42	SPIKE IN ROOT 16" HEMLOCK
3	644.73	S.I.R. 36" WHITE PINE
4	644.75	S.I.R. 12" WHITE BIRCH
5	644.20	SPIKE IN TREE 14" WHITE PINE
6	618.98	S.I.T. 14" WHITE BIRCH

NOTE:
DATUM BASED ON BRASS PLUG CEMENTED INTO CONCRETE STEP OF GATEHOUSE ELEVATION 634.10

FLAG LOCATION TABLE

FLAG NO.	NORTHING	EASTING	ELEV
6	209953.5172	4794420.6619	647.42
7	209958.6872	479437.2719	655.49
9	210037.8872	479773.9319	635.18
10	210079.3872	479811.9919	644.81
11	210075.2172	479830.3219	640.22
12	210175.8472	479976.2119	642.94
13	210197.8772	479998.5719	642.02
14	210226.5601	480042.0431	625.23
16	210278.2631	480089.8507	615.67
17	210291.4377	480092.9157	617.63
18	210315.2205	480142.6325	602.37
19	210297.5816	480137.7110	589.04
21	210121.8570	479981.5082	607.56
22	210071.4572	479914.1819	594.77
23	209995.3772	479773.5619	595.88
24A	209903.5972	479489.2019	592.19

NOTES:
1. STATION COORDINATES WERE OBTAINED USING A TRIMBLE MODEL 4800 GPS SURVEYING SYSTEM CORRECTED VCAP VT CORS.
2. HORIZONTAL SURVEY IS BASED IN NAD83 VT STATE PLANES U.S. FOOT.
3. VERTICAL SURVEY IS BASED ON N.G.V.D 1929 DATUM.
4. TOE PROTECTION, TRANSITION AREA AND GRADING AREA SHALL BE TIED INTO EXISTING BANK. GRADING SHALL BE SLOPED GRADUALLY TO MEET EXISTING CONTOURS.

40 20 0 40 80FT
SCALE: 1"= 40'

US Army Corps of Engineers
New York District

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK

Designed by: B. BEARMORE/K. DONOHUE
Dwn by: BB
Ckd by: KAD
Reviewed by: MARTY GOFF
Submitted by:
Date: **01 APR 2005**
Drawing file no.: CC-WAT-04
Drawing code:
Plot date: $sytime$
Plot by: Bethany Bearmore
Scale: AS SHOWN
Size:
Rev.:
File name: $ipdesign$

WATERBURY DAM SEEPAGE CONTROL
REHABILITATION PROJECT – MITIGATION
WATERBURY RESERVOIR, WATERBURY, VERMONT

GRADING PLAN

Sheet reference number
CC-WAT-04
Sheet 5 of 12

Submitted by: USERNAME
Plot Date: DD-MMM-YYYY HH:MM FILE NAME