WB18 - SB - 250 - part 3 of 3

Feet	Stratigraphy	Description
60	Marl	*See description above.*
65	Transmarl	f-m Sand; 10YR 4/1; loose, f. fine shell frags; from 67 ft – clay; 10YR 4/1; firm-sticky; few, fine rootlests towards bottom; thin band of fine sand at about 69 ft
70	Glaciolacustrine deposits	Top – silty clay loam; 5Y 3/1; sl. firm-sl. sticky; bottom – silty clay; N2.5; sl. firm-sticky; laminated
75	Glaciolacustrine deposits	Contact – top portion (1.5 ft) is like bottom part of deposit above; the rest is clay; 7.5YR 4/1; sticky; black mottles towards bottom
80		
85	E.O.B.	
90		

Appendix IV. Boring Location and Stratigraphy Maps of Wastebeds 1-8

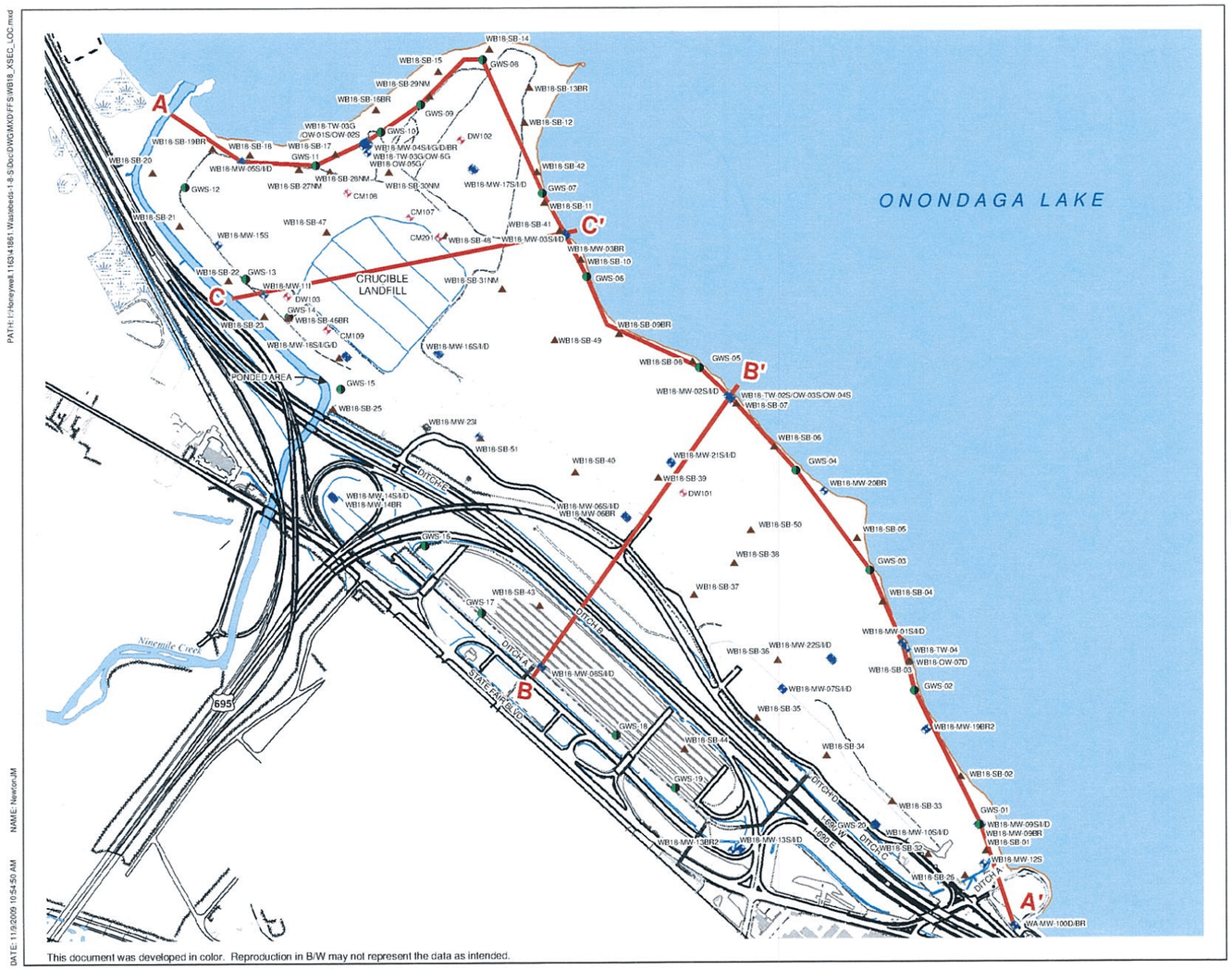

FIGURE 3

N

LEGEND

- CROSS SECTION LOCATION
- MONITORING WELL
- SOIL BORING
- GROUNDWATER SCREENING
- CRUCIBLE WELL

HONEYWELL
WASTEBEDS 1 - 8
FOCUSED FEASIBILITY STUDY
GEDDES, NEW YORK

CROSS SECTION LOCATIONS

0 350 700 1,400
Feet

JUNE 2010
1163.41851

O'BRIEN & GERE

FFS Figure 3. Cross Section Locations.

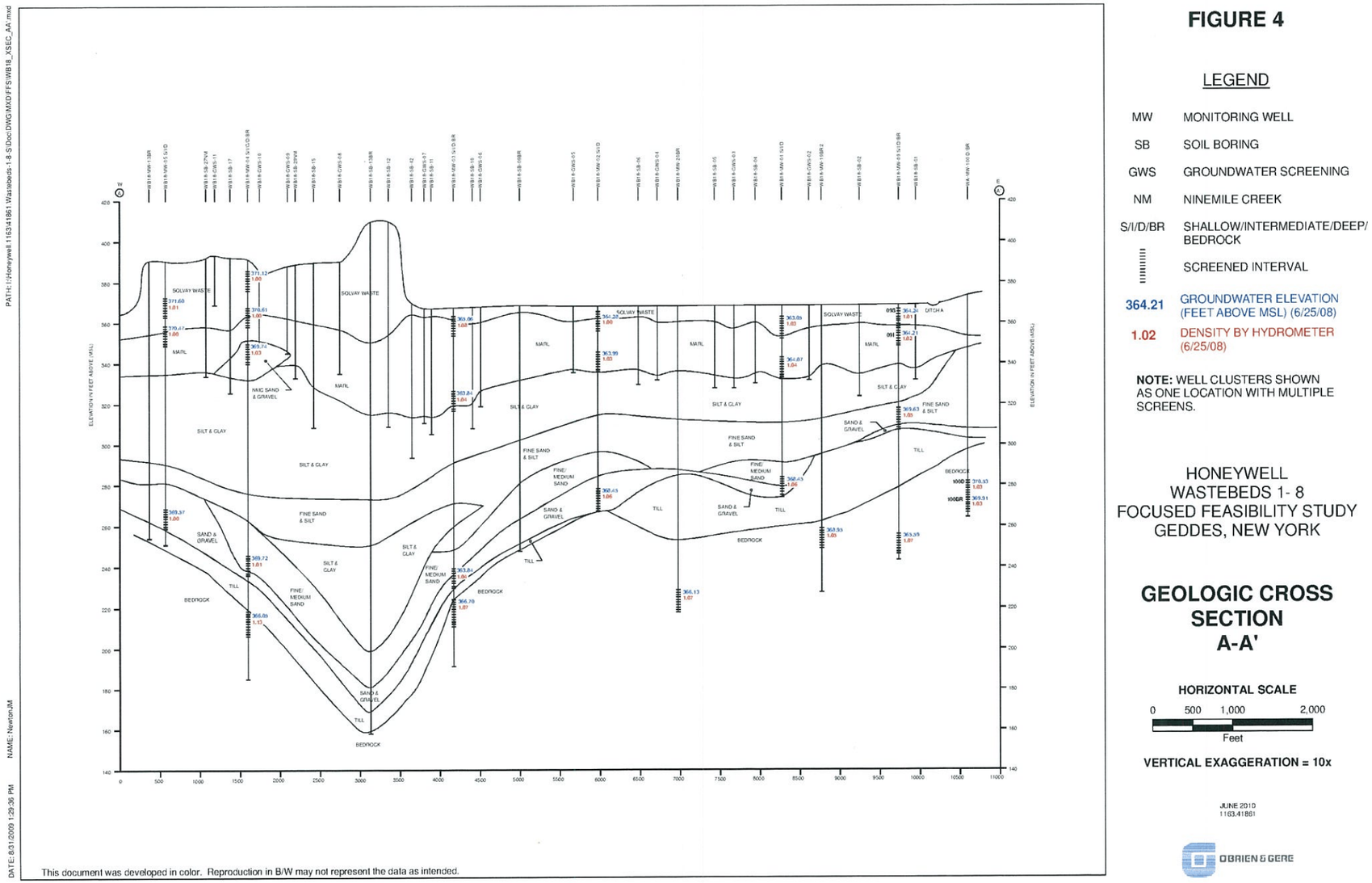

FIGURE 4

LEGEND

MW	MONITORING WELL
SB	SOIL BORING
GWS	GROUNDWATER SCREENING
NM	NINEMILE CREEK
S/I/D/BR	SHALLOW/INTERMEDIATE/DEEP/ BEDROCK
	SCREENED INTERVAL
364.21	GROUNDWATER ELEVATION (FEET ABOVE MSL) (6/25/08)
1.02	DENSITY BY HYDROMETER (6/25/08)

NOTE: WELL CLUSTERS SHOWN AS ONE LOCATION WITH MULTIPLE SCREENS.

HONEYWELL
WASTEBEDS 1- 8
FOCUSED FEASIBILITY STUDY
GEDDES, NEW YORK

GEOLOGIC CROSS SECTION A-A'

HORIZONTAL SCALE

0 500 1,000 2,000

Feet

VERTICAL EXAGGERATION = 10x

JUNE 2010
1163.41861

O'BRIEN & GERE

FFS Figure 4. Geologic Cross Section A-A'.

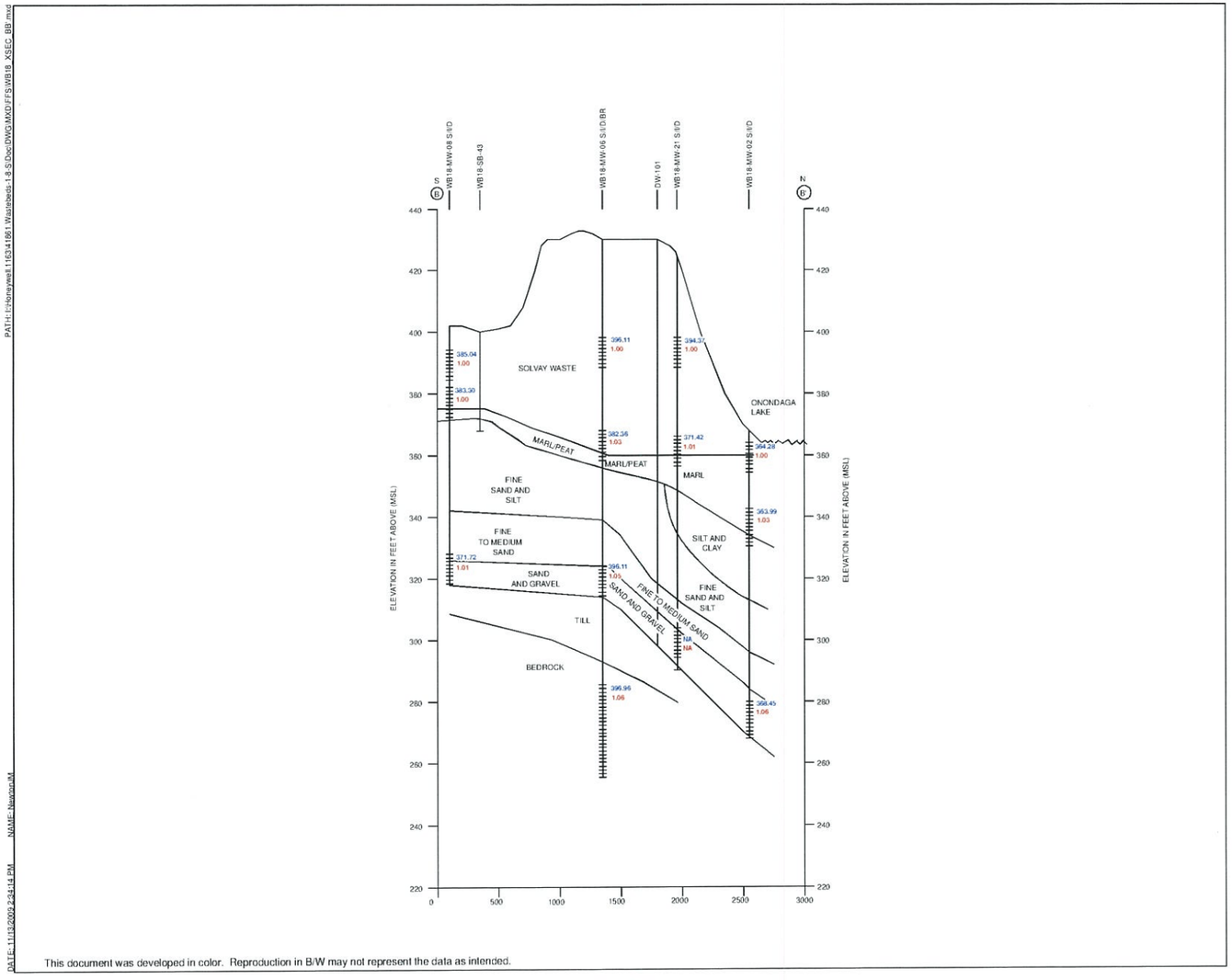

FIGURE 5

LEGEND

MW	MONITORING WELL
SB	SOIL BORING
GWS	GROUNDWATER SCREENING
NM	NINEMILE CREEK
S/I/D/BR	SHALLOW/INTERMEDIATE/DEEP/ BEDROCK
	SCREENED INTERVAL
364.21	GROUNDWATER ELEVATION (FEET ABOVE MSL) (6/25/08)
1.02	DENSITY BY HYDROMETER (6/25/08)

NOTE: WELL CLUSTERS SHOWN AS ONE LOCATION WITH MULTIPLE SCREENS.

HONEYWELL
WASTEBEDS 1 - 8
FOCUSED FEASIBILITY STUDY
GEDDES, NEW YORK

GEOLOGIC CROSS SECTION B-B'

HORIZONTAL SCALE

0 500 1,000 2,000
Feet

VERTICAL EXAGGERATION = 10x

JUNE 2010
1163.41861

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FFS Figure 5. Geologic Cross Section B-B'.

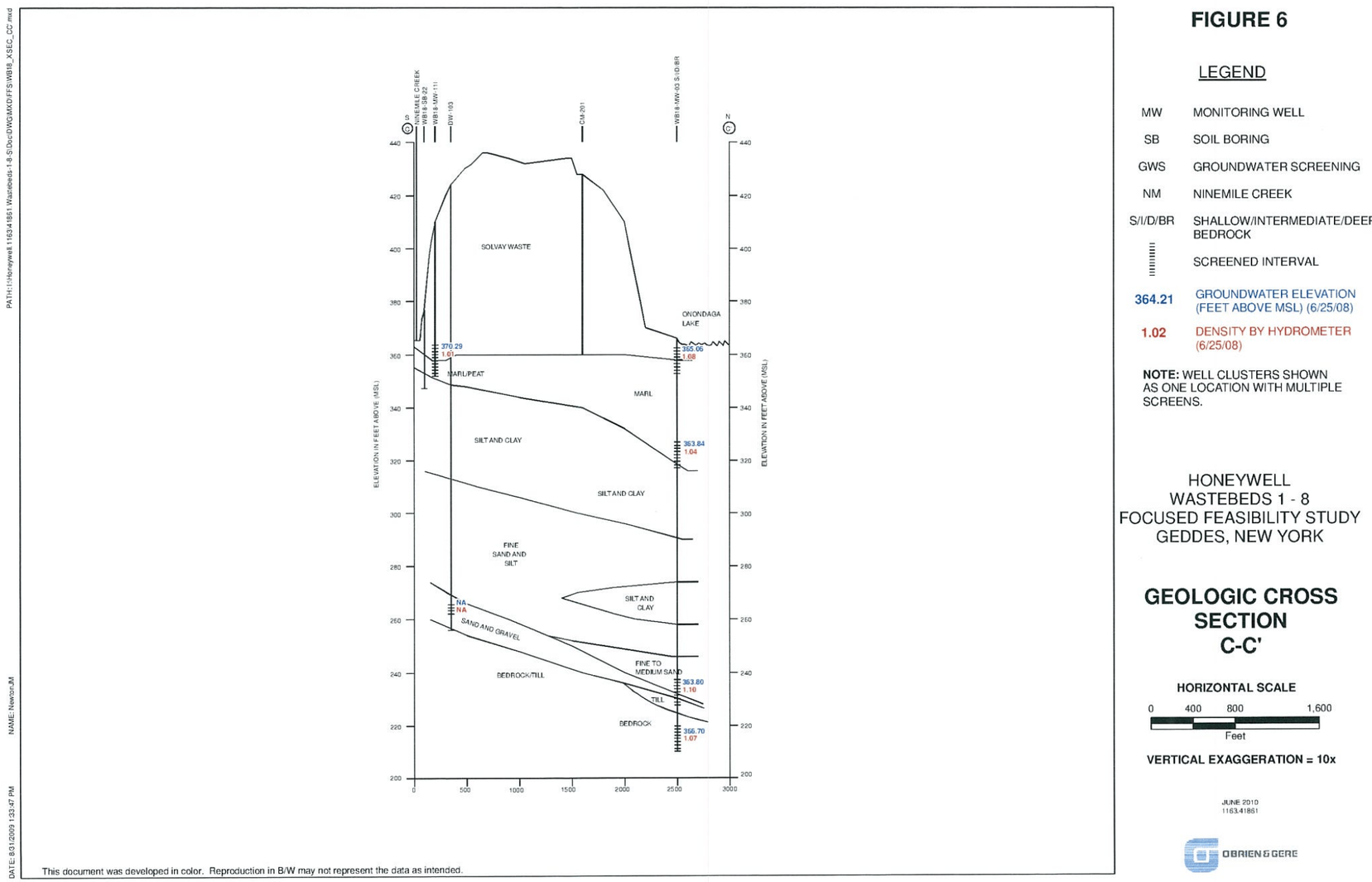


FIGURE 6

LEGEND

MW	MONITORING WELL
SB	SOIL BORING
GWS	GROUNDWATER SCREENING
NM	NINEMILE CREEK
S/I/D/BR	SHALLOW/INTERMEDIATE/DEEP/ BEDROCK
⁞⁞⁞⁞	SCREENED INTERVAL
364.21	GROUNDWATER ELEVATION (FEET ABOVE MSL) (6/25/08)
1.02	DENSITY BY HYDROMETER (6/25/08)

NOTE: WELL CLUSTERS SHOWN AS ONE LOCATION WITH MULTIPLE SCREENS.

HONEYWELL
WASTEBEDS 1 - 8
FOCUSED FEASIBILITY STUDY
GEDDES, NEW YORK

GEOLOGIC CROSS SECTION C-C'

HORIZONTAL SCALE

0 400 800 1,600
Feet

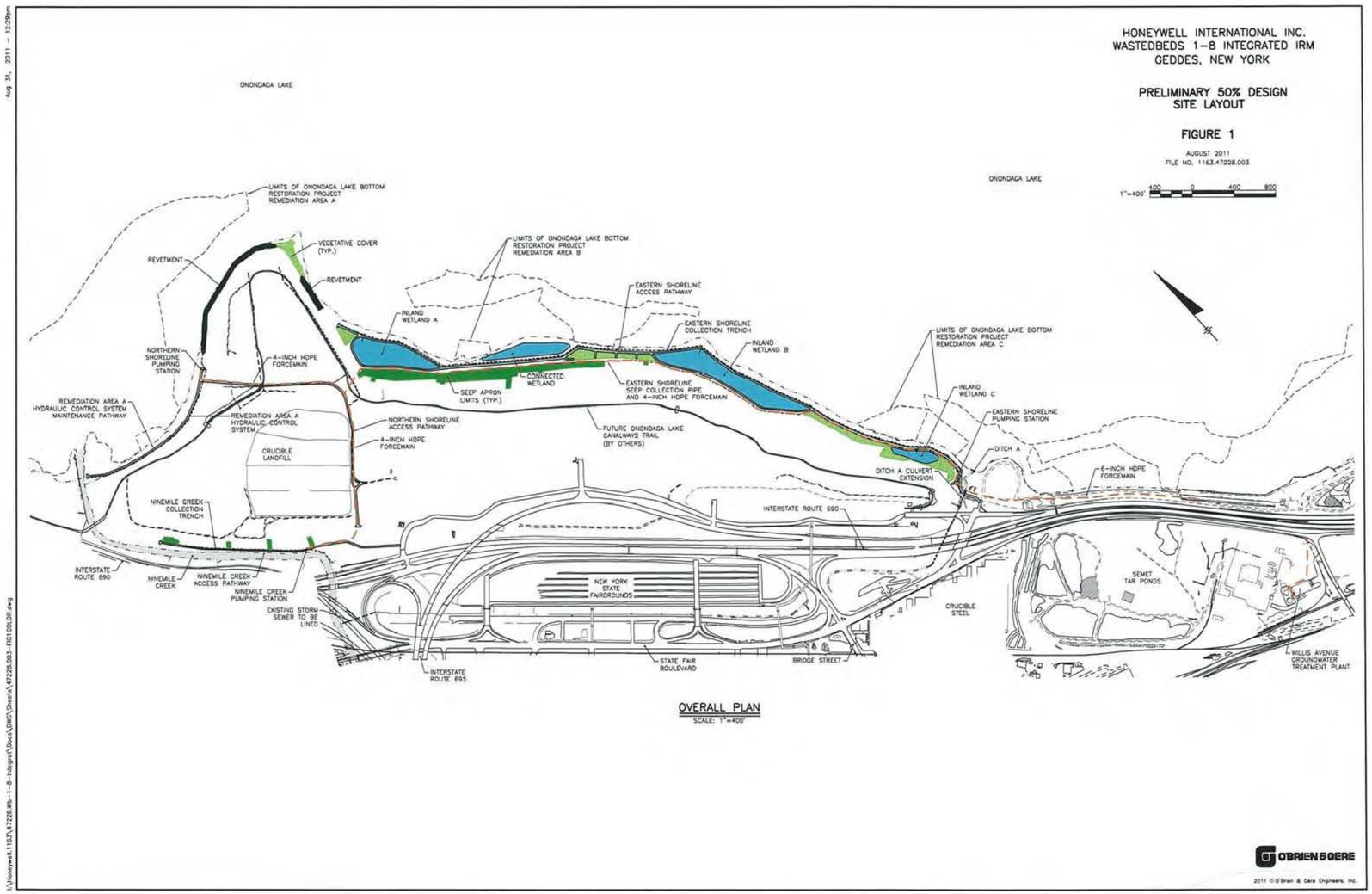
VERTICAL EXAGGERATION = 10x

JUNE 2010
1163.41861

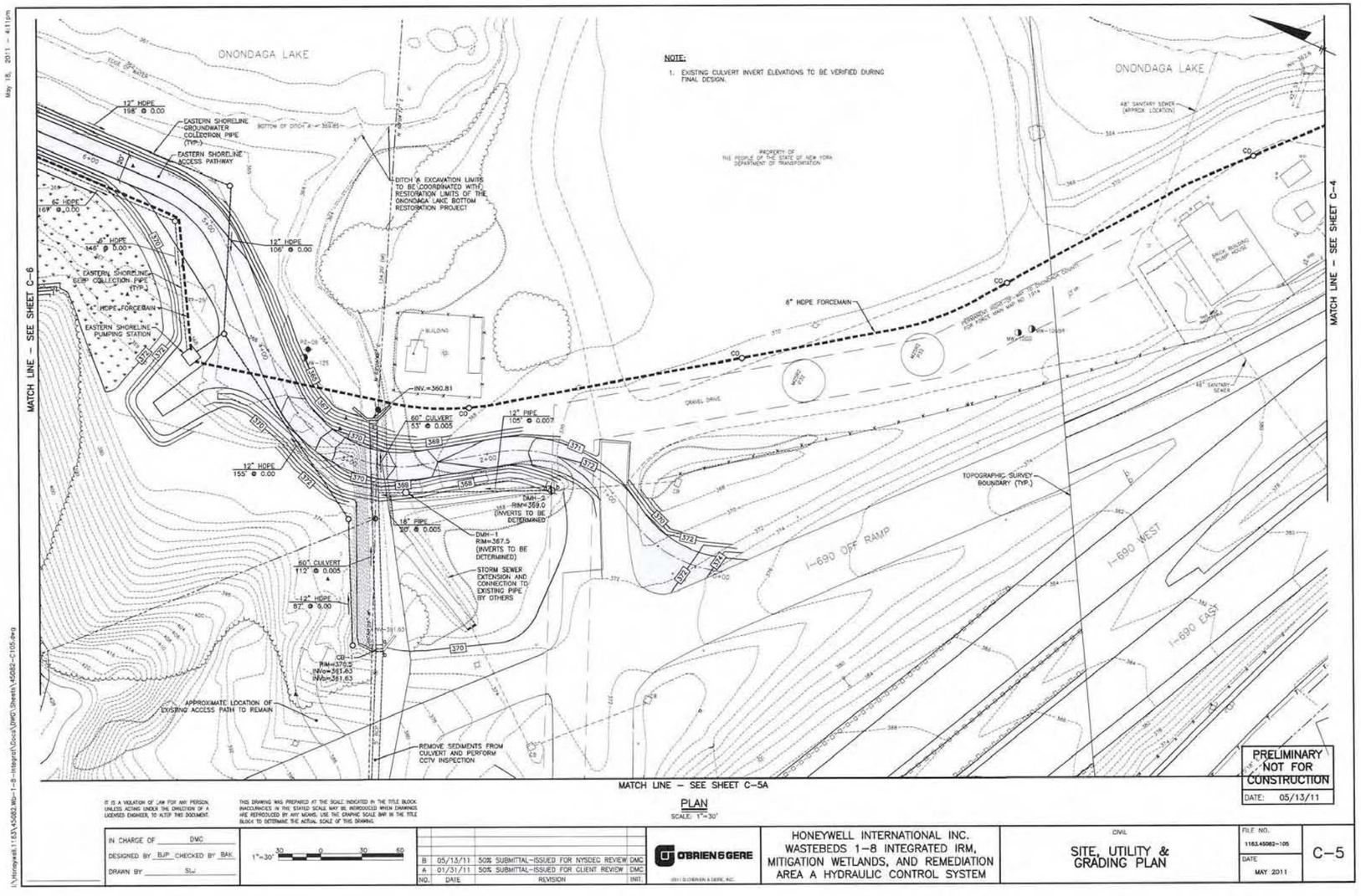
O'BRIEN & GERE

FFS Figure 6. Geologic Cross Section C-C'.

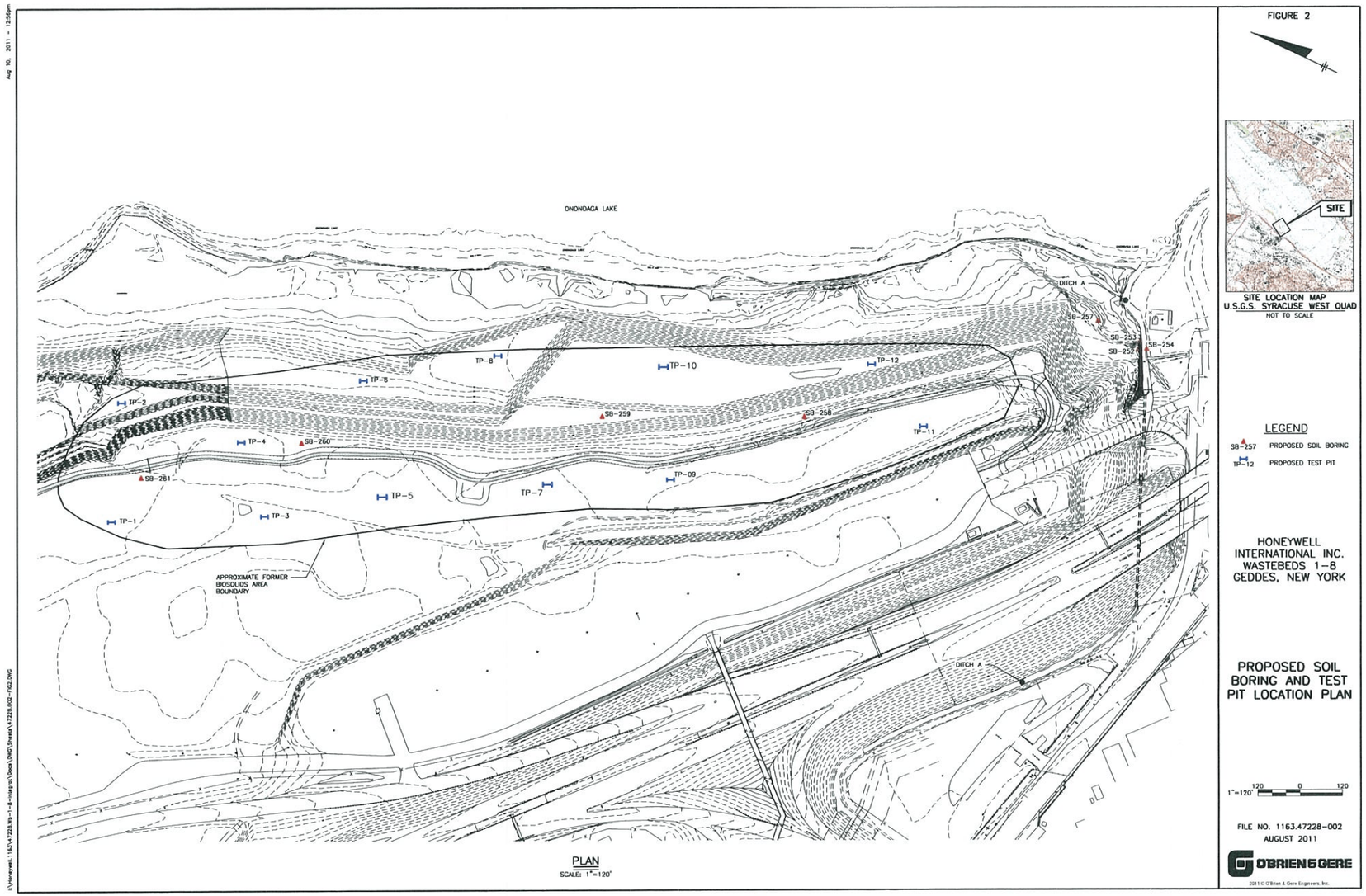
Appendix V. Proposed Work on Wastebeds 1-8, including Biosolids Area



Preliminary 50% Design Site Layout.

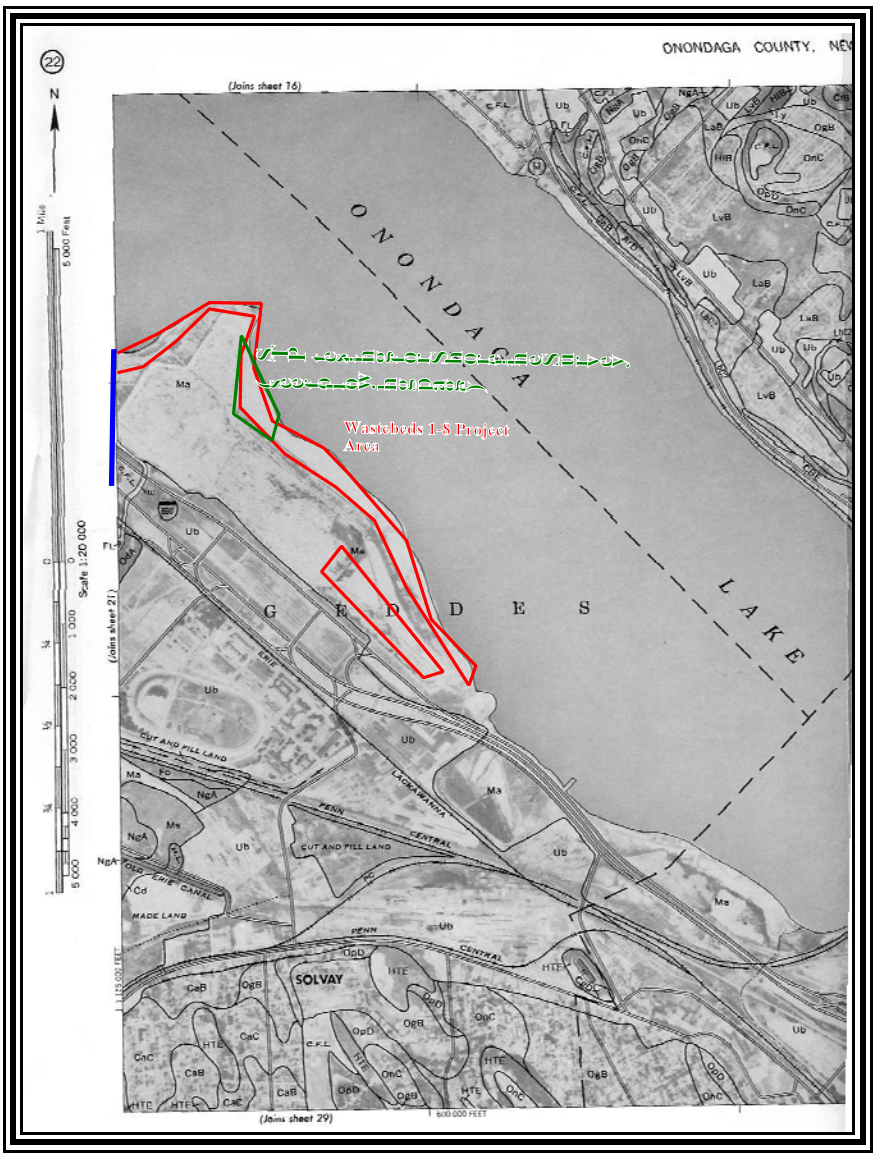


Site, Utility and Grading Plan

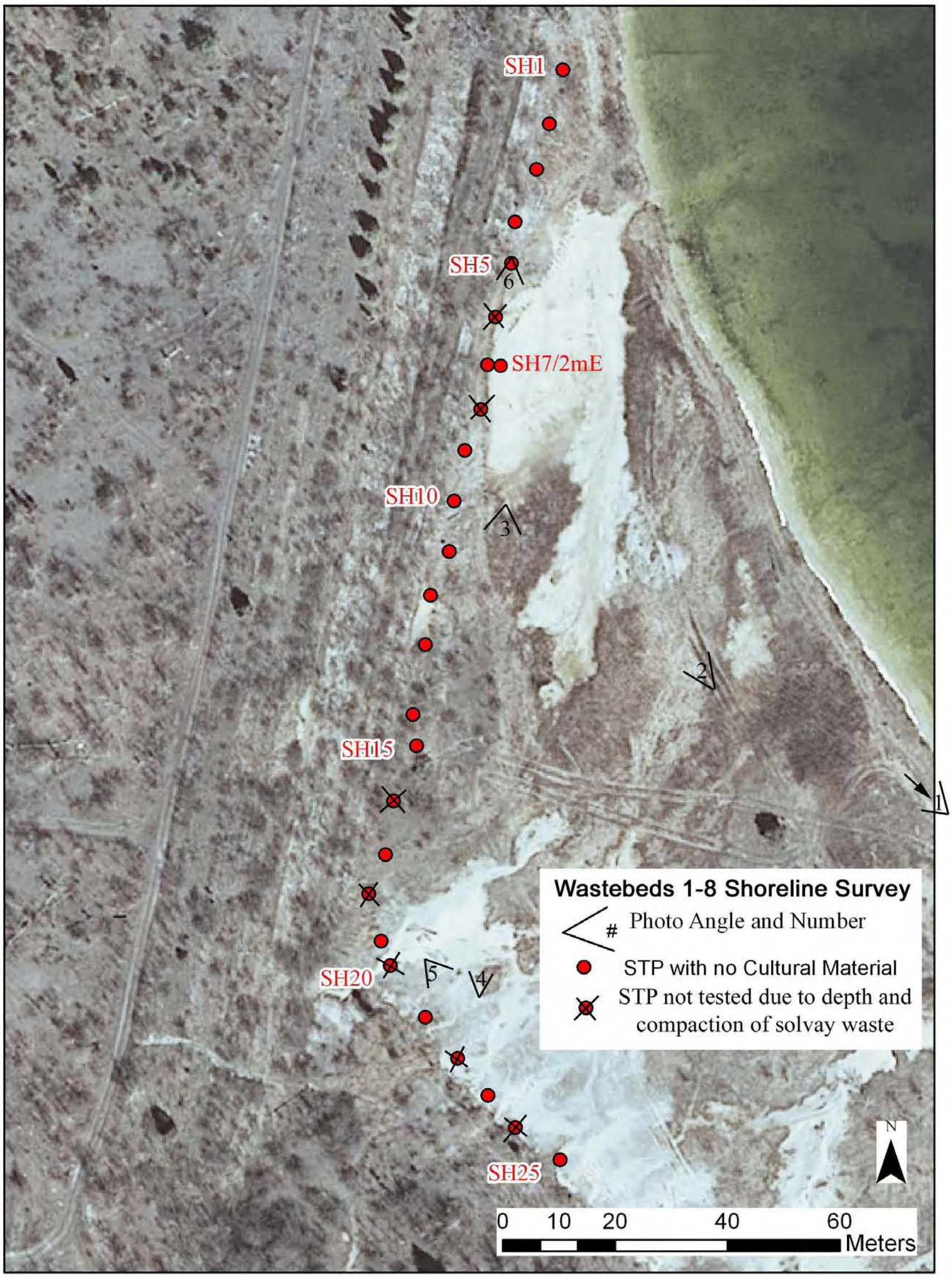


Biosolids area circled in black.

Appendix VI. STP Testing Map for Shoreline Survey



Location of STP testing for Shoreline survey outlined in green.



Location of STPs for Wastebeds 1-8 Eastern Shoreline Survey.

APPENDIX VII. STP SOIL PROFILES

PROJECT NAME: ONONDAGA LAKE
PIN#:
PROJ.DIR.: C. HOHMAN
FILE NAME: OnondagaLake10-s1
PHASE: 1 - STP SOIL RECORD
ARTIFACTS CATALOGED BY:
DATA ENTRY BY: L. KNAPP

PA=PALE LT=LIGHT MD=MEDIUM DK=DARK
BR=BROWN GR=GRAY YL=YELLOW OL=OLIVE TN=TAN RD=RED BK=BLACK WH=WHITE
SI=SILT SA=SAND CL=CLAY LO=LOAM GVL=GRAVEL
P=PRECONTACT H=POSTCONTACT N=NO CULTURAL MATERIAL
DISC.=DISCARDED

AREA	STP#	4-RND	LEVEL	DEPTH	SOIL DESCRIPTION	CM	CREW	DATE
SH	1		1	0-16	Dk Br Si Lo	N	DP/JM	08/19/10
SH	1		2	16-40	Wh Sa Lo (Solvay Waste)	N	DP/JM	08/19/10
SH	1		3	40-60	Gr Br Sa Lo	N	DP/JM	08/19/10
SH	1		4	60-97	Dk Gr Br Sa Lo	N	DP/JM	08/19/10
SH	2		1	0-20	Br Si Lo; Stopped By Compact Solvay Waste	N	DP/JM	08/19/10
SH	3		1	0-22	Br Si Lo	N	ML/CH	08/19/10
SH	3		2	22-47	Solvay Waste	N	ML/CH	08/19/10
SH	3		3	47-82	Marl	N	ML/CH	08/19/10
SH	3		4	82-97	Dk Gr Br Sa Lo	N	ML/CH	08/19/10
SH	4		1	0-25	Br Sa W/Solvay	N	ML/CH	08/19/10
SH	4		2	25-30	Br Sa W/Solvay; Stopped By Solid Solvay Waste	N	ML/CH	08/19/10
SH	5		1	0-18	Br Sa; Stopped By Compact Waste	N	ML/CH	08/19/10
SH	7		1	0-15	Gr Br Sa Lo	N	ML/CH	08/19/10
SH	7		2	15-40	Dried Compact Solvay Waste	N	ML/CH	08/19/10
SH	7		3	40-45	Dried Compact Solvay Waste; Stopped By Fallen Tree/Fence Post	N	ML/CH	08/19/10
SH	7	2mE	1	0-15	Gr Br Sa Lo	N	DP/JM	08/19/10
SH	7	2mE	2	15-30	Wh Sa Lo (Waste)	N	DP/JM	08/19/10
SH	7	2mE	3	30-45	Strong Br Compact Sa	N	DP/JM	08/19/10
SH	7	2mE	4	45-83	Wh Compact Sa Lo	N	DP/JM	08/19/10
SH	9		1	0-12	Br Sa	N	ML/CH	08/19/10
SH	9		2	12-22	Compact Solvay Waste	N	ML/CH	08/19/10
SH	9		3	22-77	Wh Solvay Waste; Stopped By Compact Waste	N	ML/CH	08/19/10
SH	10		1	0-13	Dk Br Sa Lo	N	DP/JM	08/19/10
SH	10		2	13-118	Wh Si Lo (Solvay Waste)	N	DP/JM	08/19/10
SH	11		1	0-15	Br Si Lo W/Very Compact Soil At Bottom	N	DP/JM	08/19/10
SH	11		2	15-36	Wh Solvay W/Very Compact Soil At Bottom	N	DP/JM	08/19/10
SH	12		1	0-18	Lt Gr Br Solvay	N	DP/JM	08/19/10
SH	12		2	18-35	Very Lt Gr Solvay	N	DP/JM	08/19/10
SH	12		3	35-70	Lt Gr Solvay; Stopped By Compact Solvay Waste	N	DP/JM	08/19/10
SH	13		1	0-12	Gr Br Sa Lo	N	ML/CH	08/19/10
SH	13		2	12-27	Compact Solvay Waste	N	ML/CH	08/19/10
SH	13		3	27-50	Compact Solvay Waste	N	ML/CH	08/19/10
SH	13		4	50-75	Compact Solvay Waste	N	ML/CH	08/19/10
SH	13		5	75-80	Compact Solvay Waste	N	ML/CH	08/19/10
SH	13		6	80-100	Compact Solvay Waste; Standing Water At 80cm	N	ML/CH	08/19/10
SH	14		1	0-13	Br Sa Lo	N	ML/CH	08/19/10
SH	14		2	13-22	Br Compact Solvay Waste	N	ML/CH	08/19/10
SH	14		3	22-44	Compact Solvay Waste; Stopped By Compact Solvay Waste	N	ML/CH	08/19/10
SH	15		1	0-12	Br Si Lo	N	DP/JM	08/19/10
SH	15		2	12-35	Wh Compact Si Lo; Stopped By Compact Waste	N	DP/JM	08/19/10
SH	17		1	0-22	Br Si Lo/Solvay W/Unbreakable Solvay Concretion	N	DP/JM	08/19/10
SH	19		1	0-10	Br Si Sa	N	ML/CH	08/19/10

AREA	STP#	4-RND	LEVEL	DEPTH	SOIL DESCRIPTION	CM	CREW	DATE
SH	19		2	10-35	Wet Solvay Waste	N	ML/CH	08/19/10
SH	19		3	35-60	Wet Solvay Waste; Wood Fence Post At 50cm	N	ML/CH	08/19/10
SH	19		4	60-75	Wet Solvay Waste	N	ML/CH	08/19/10
SH	19		5	75-115	Wet Solvay Waste	N	ML/CH	08/19/10
SH	21		1	0-12	Br Sa Lo	N	DP/JM	08/19/10
SH	21		2	12-95	Solvay Waste; Standing Water At 85cm	N	DP/JM	08/19/10
SH	23		1	0-72	Wh Solvay Waste	N	CH/ML	08/20/10
SH	23		2	72-94	Wh Solvay Waste; Standing Water At 92cm	N	CH/ML	08/20/10
SH	25		1	0-25	Lt Gr Solvay	N	JM/DP	08/19/10
SH	25		2	25-50	Lt Gr Solvay	N	JM/DP	08/19/10
SH	25		3	50-75	Lt Gr Solvay	N	JM/DP	08/19/10
SH	25		4	75-96	Lt Gr Solvay W/Solid Concretion At Bottom	N	JM/DP	08/19/10