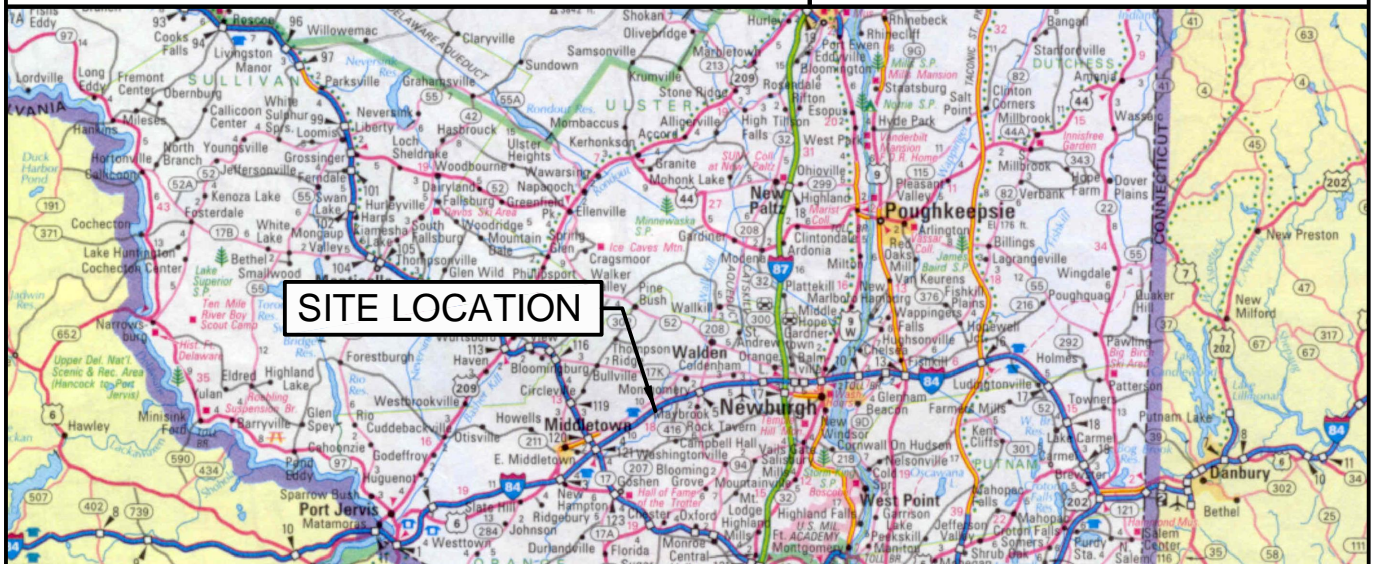


SOURCE: USGS MAYBROOK NEW YORK AND GOSHEN NEW YORK QUADRANGLE MAP



SOURCE: RAND McNALLY ROAD ATLAS

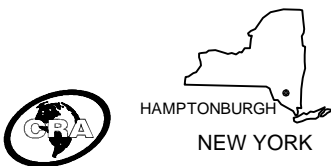


figure 1.1
 SITE LOCATION
 FORMER LAGOON SITE
 Hamptonburgh, New York

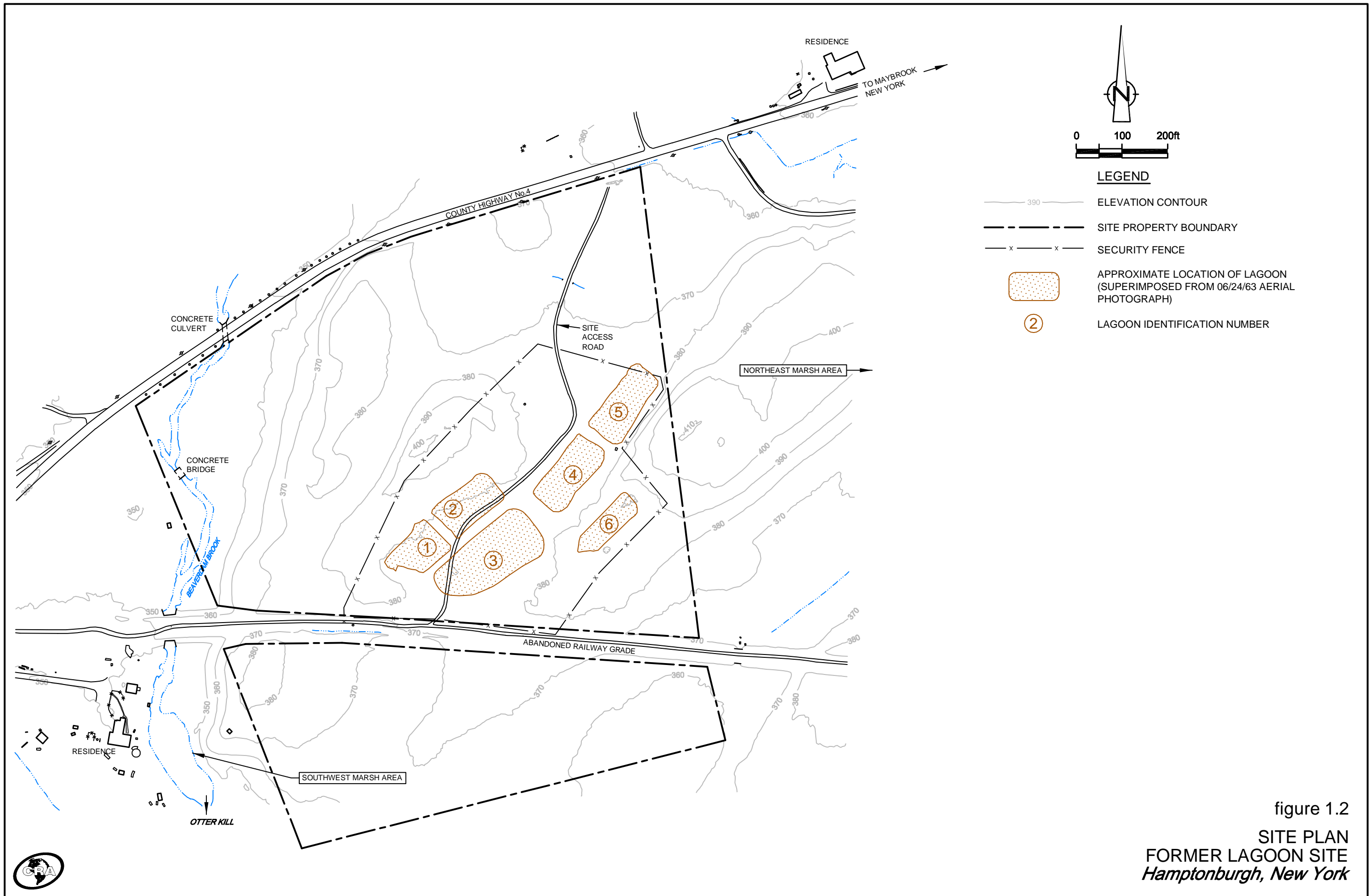
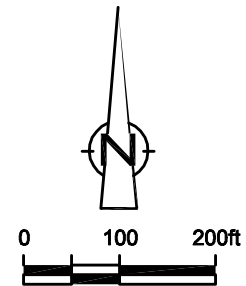
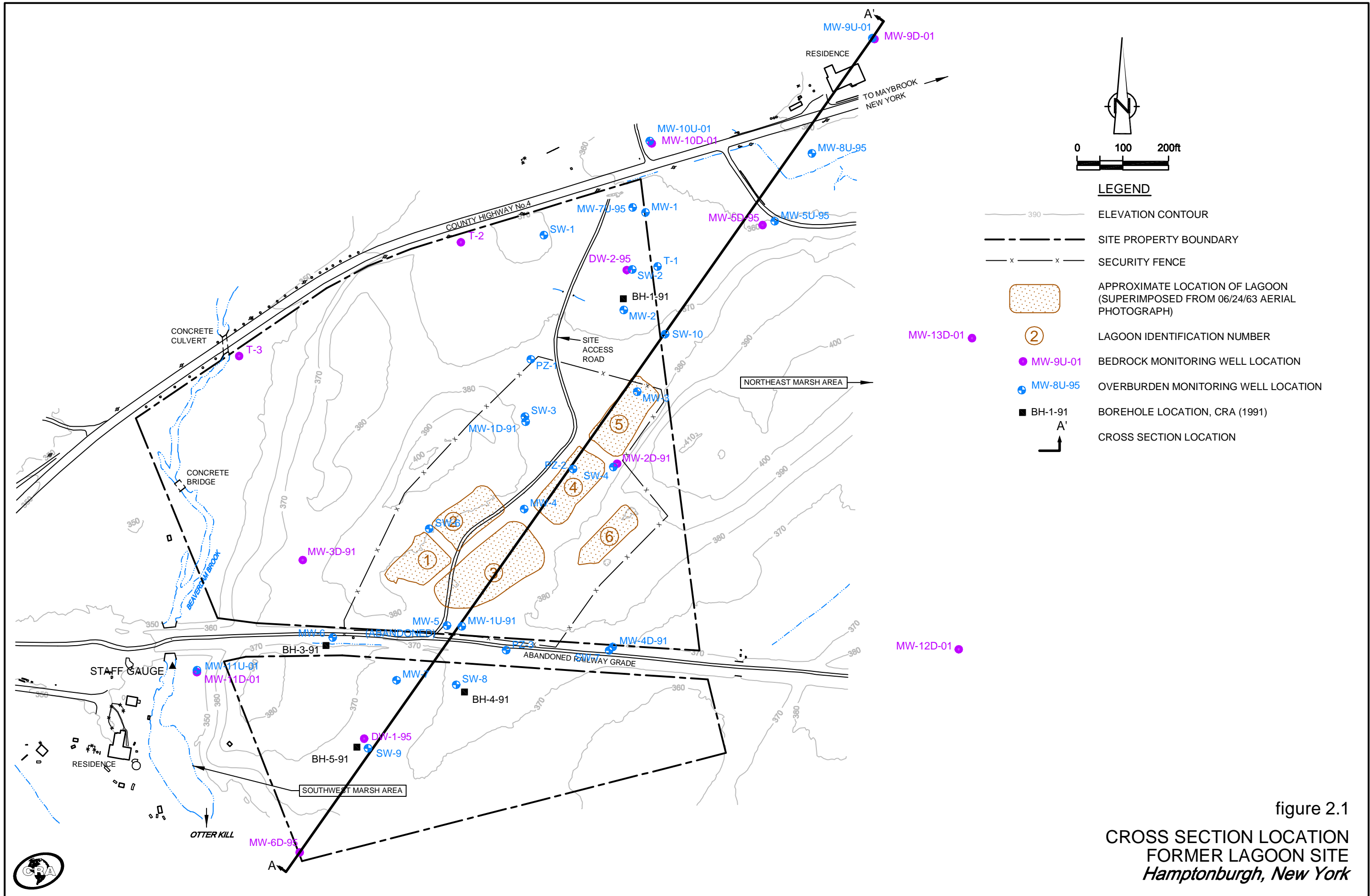


figure 1.2
 SITE PLAN
 FORMER LAGOON SITE
 Hamptonburgh, New York



LEGEND



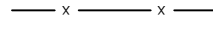
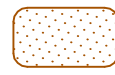





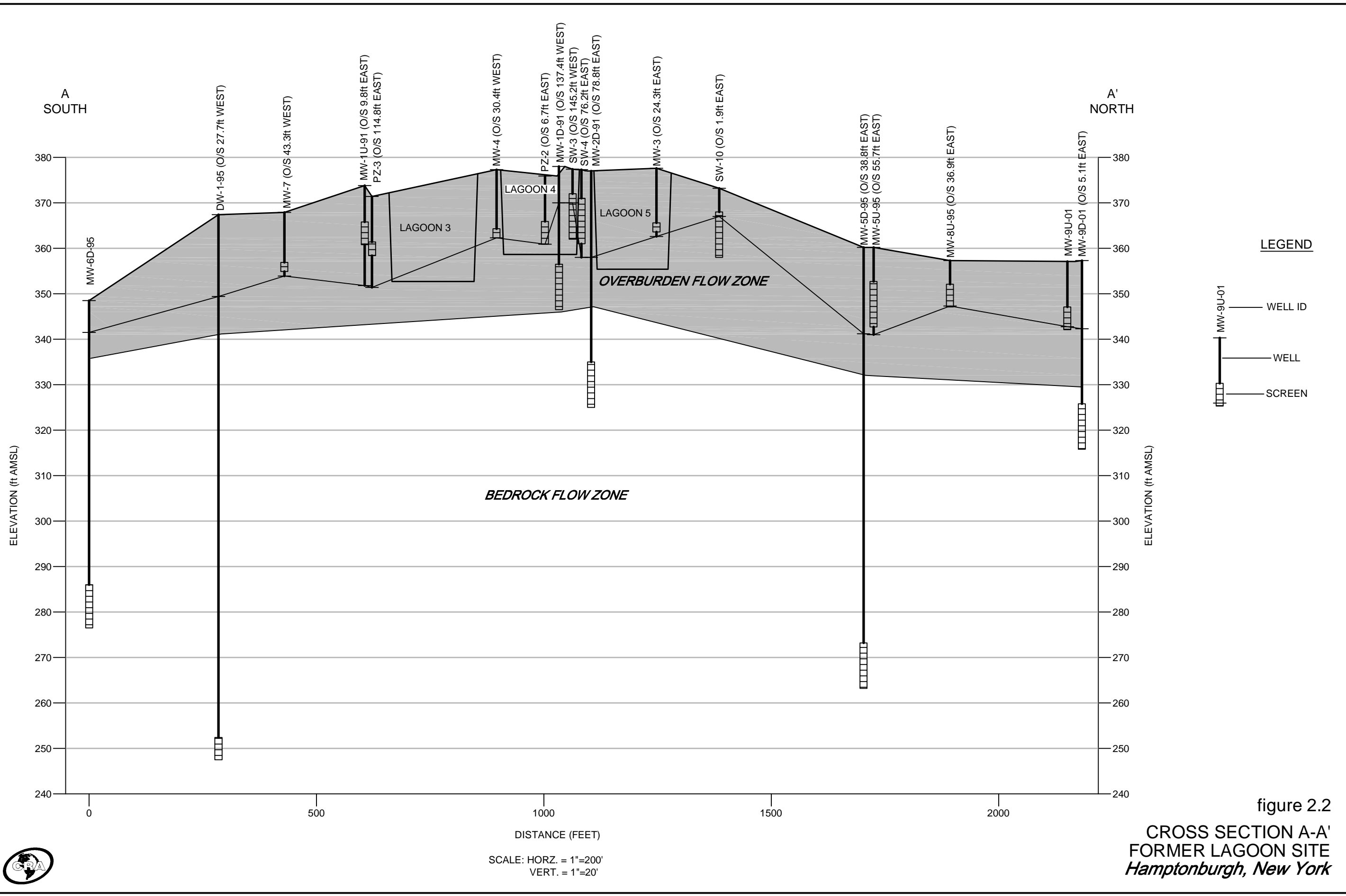
-  ELEVATION CONTOUR
-  SITE PROPERTY BOUNDARY
-  SECURITY FENCE
-  APPROXIMATE LOCATION OF LAGOON (SUPERIMPOSED FROM 06/24/63 AERIAL PHOTOGRAPH)
-  LAGOON IDENTIFICATION NUMBER
-  MW-9U-01 BEDROCK MONITORING WELL LOCATION
-  MW-8U-95 OVERBURDEN MONITORING WELL LOCATION
-  BH-1-91 BOREHOLE LOCATION, CRA (1991)
-  CROSS SECTION LOCATION

figure 2.1
 CROSS SECTION LOCATION
 FORMER LAGOON SITE
 Hamptonburgh, New York



SCALE: HORZ. = 1"=200'
 VERT. = 1"=20'

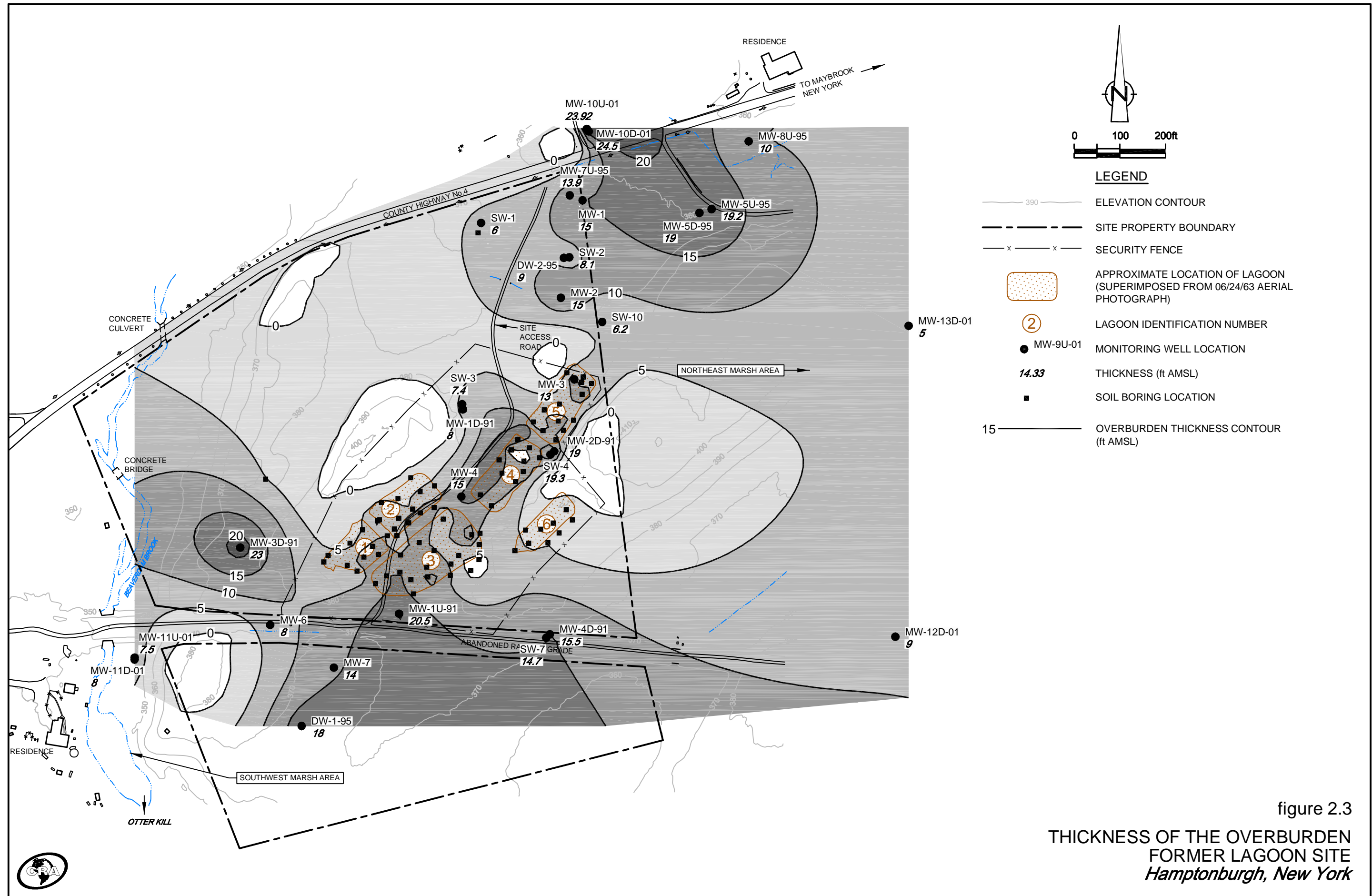


figure 2.3
 THICKNESS OF THE OVERBURDEN
 FORMER LAGOON SITE
 Hamptonburgh, New York

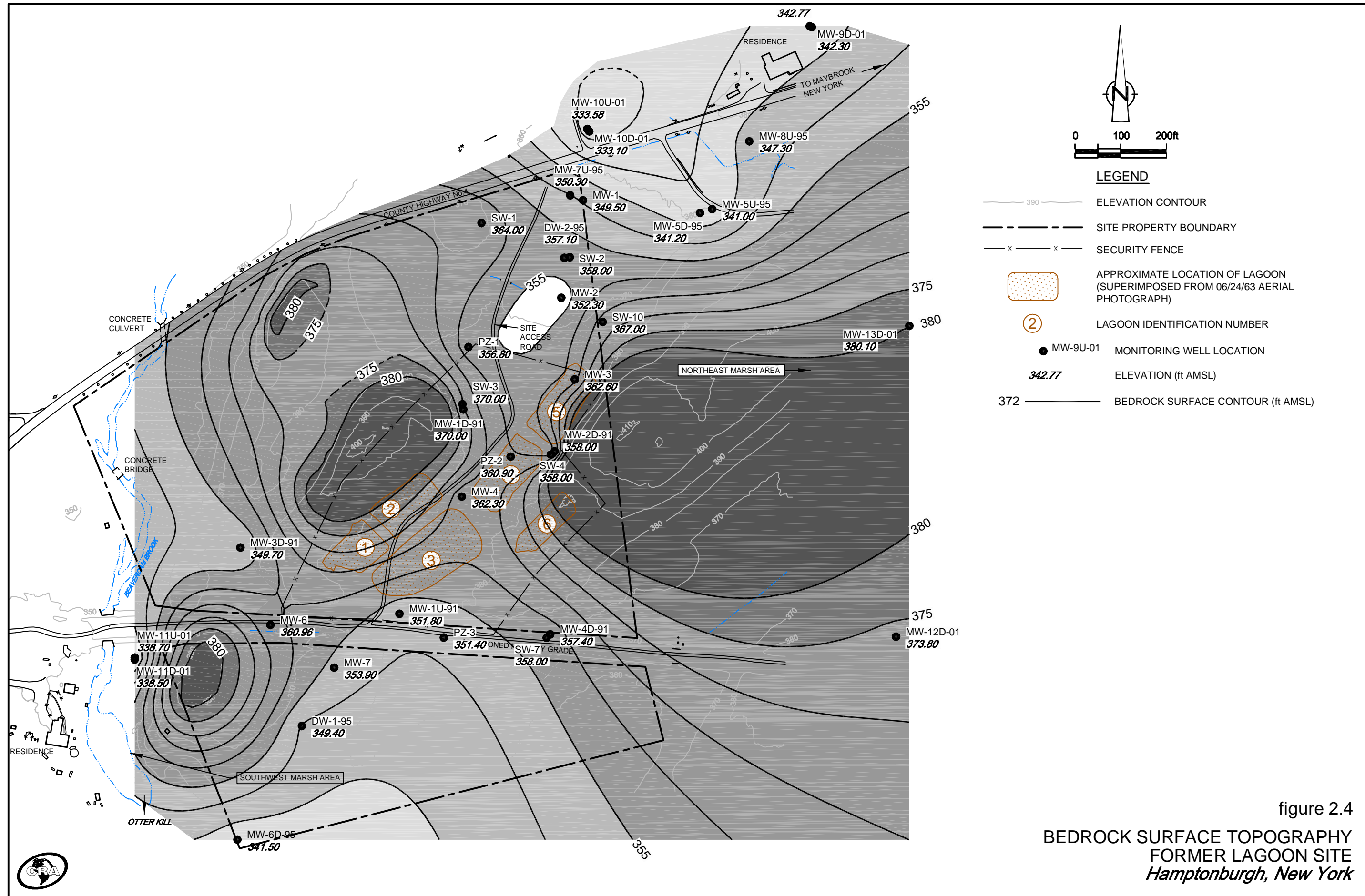


figure 2.4
 BEDROCK SURFACE TOPOGRAPHY
 FORMER LAGOON SITE
 Hamptonburgh, New York

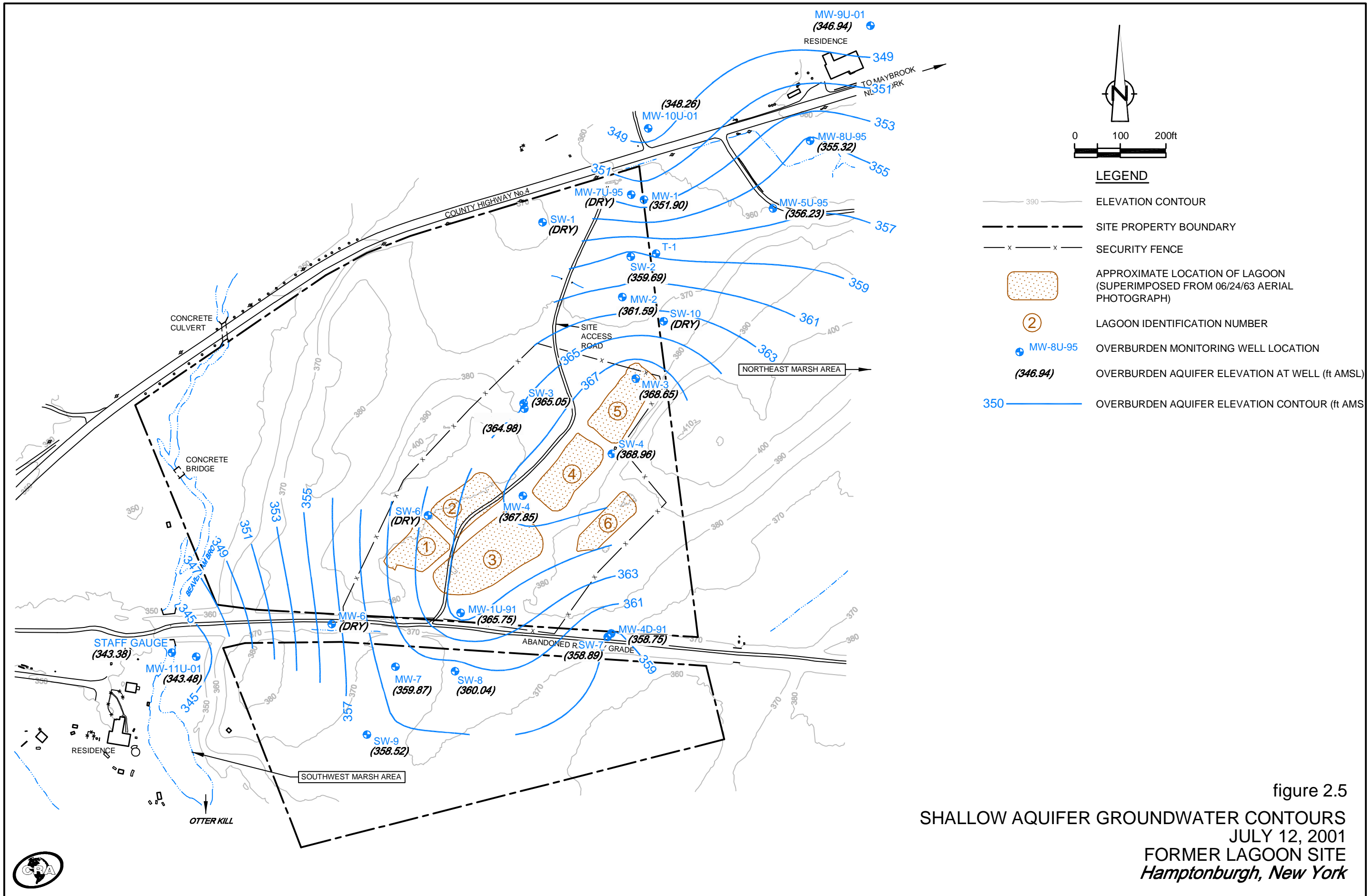


figure 2.5
 SHALLOW AQUIFER GROUNDWATER CONTOURS
 JULY 12, 2001
 FORMER LAGOON SITE
 Hamptonburgh, New York

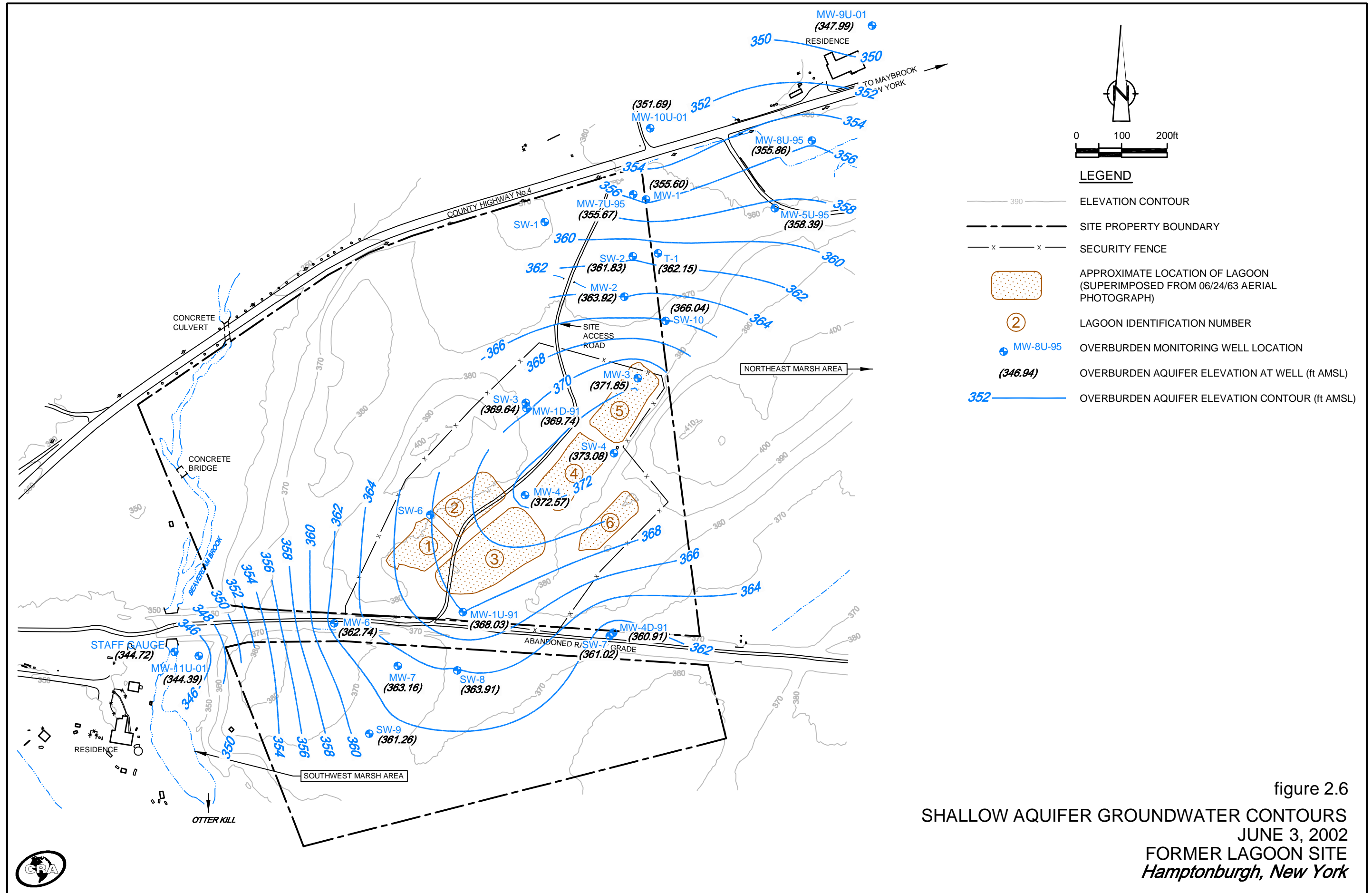


figure 2.6
 SHALLOW AQUIFER GROUNDWATER CONTOURS
 JUNE 3, 2002
 FORMER LAGOON SITE
 Hamptonburgh, New York

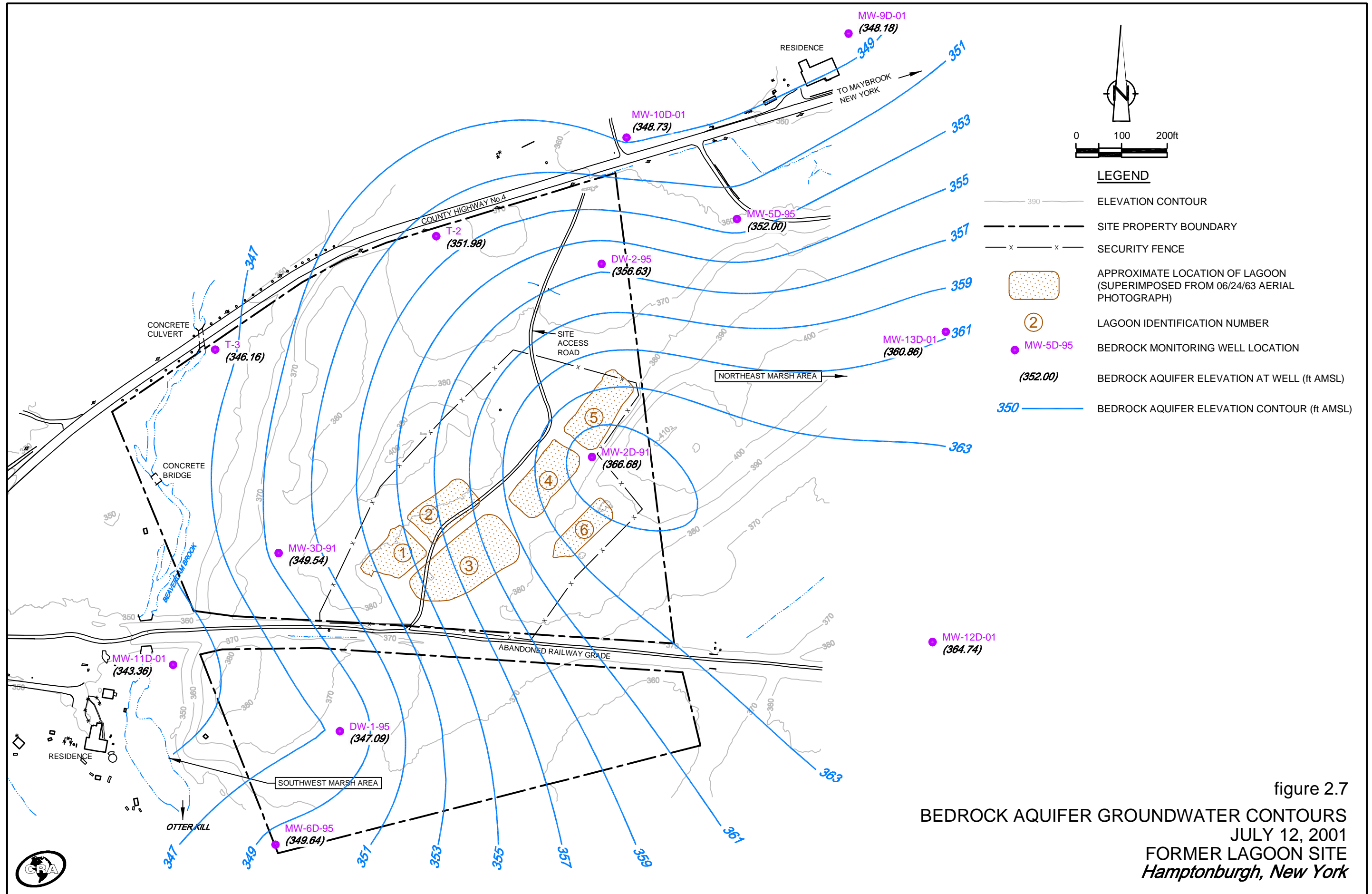


figure 2.7
 BEDROCK AQUIFER GROUNDWATER CONTOURS
 JULY 12, 2001
 FORMER LAGOON SITE
 Hamptonburgh, New York

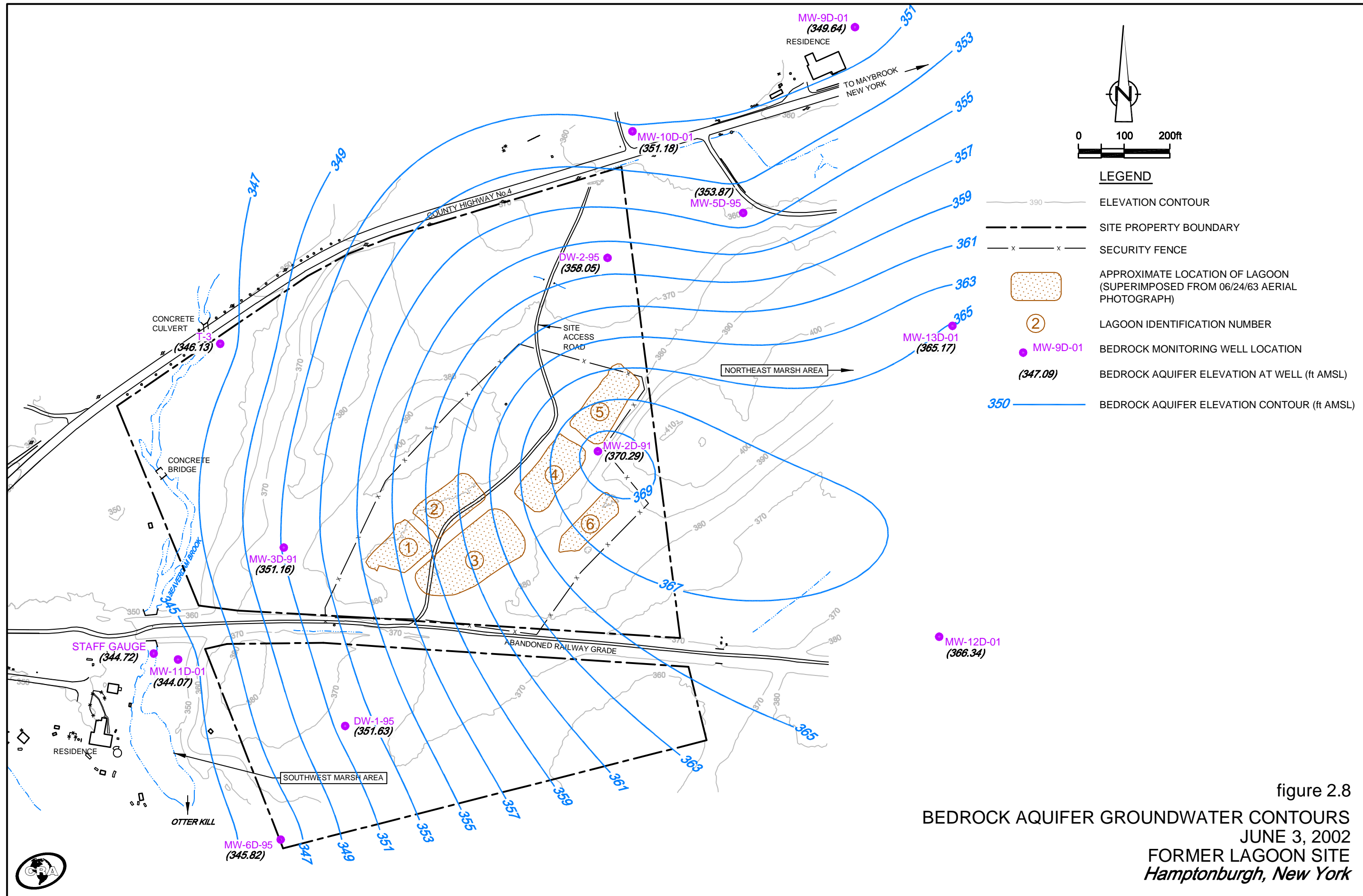
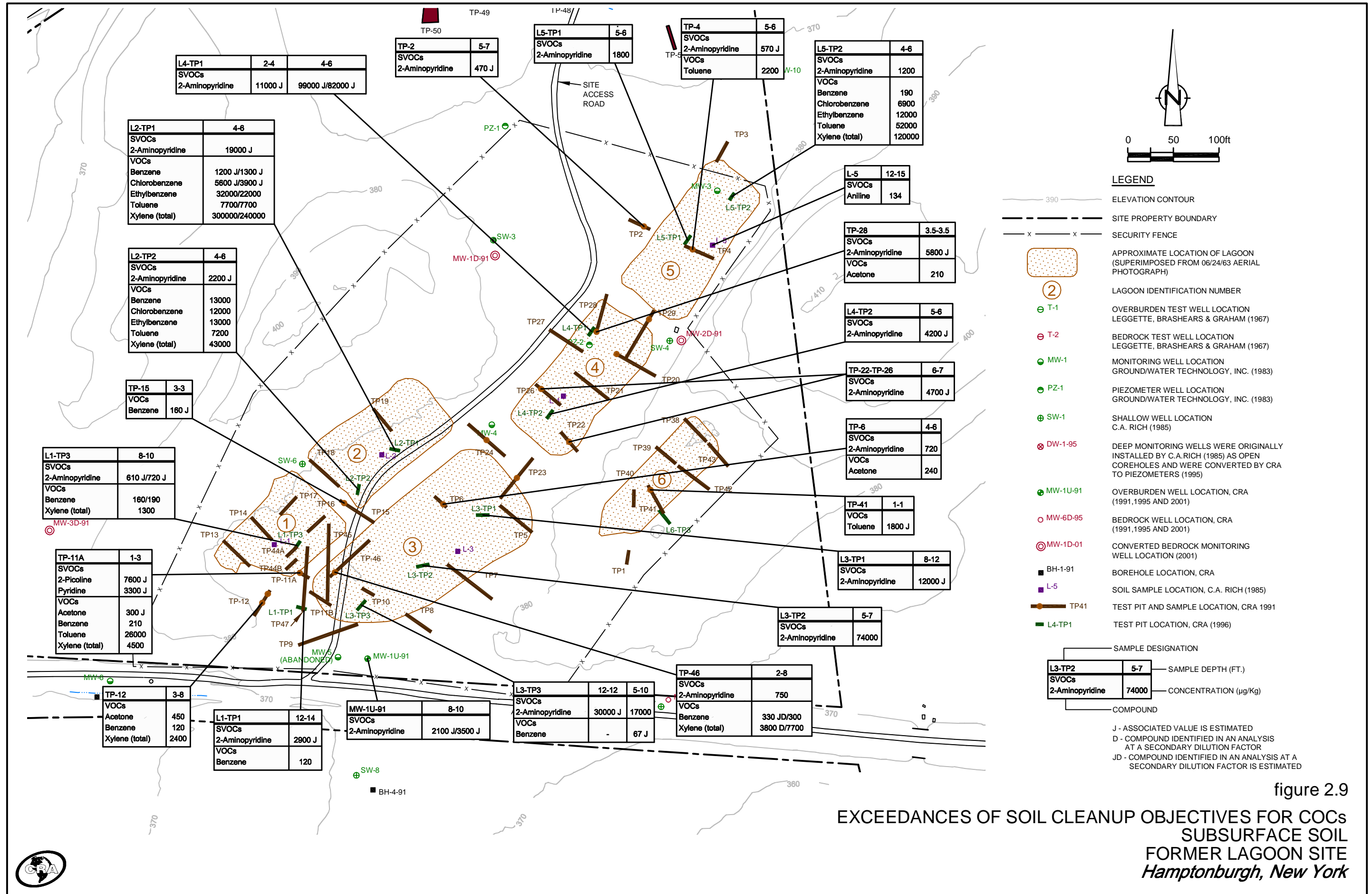
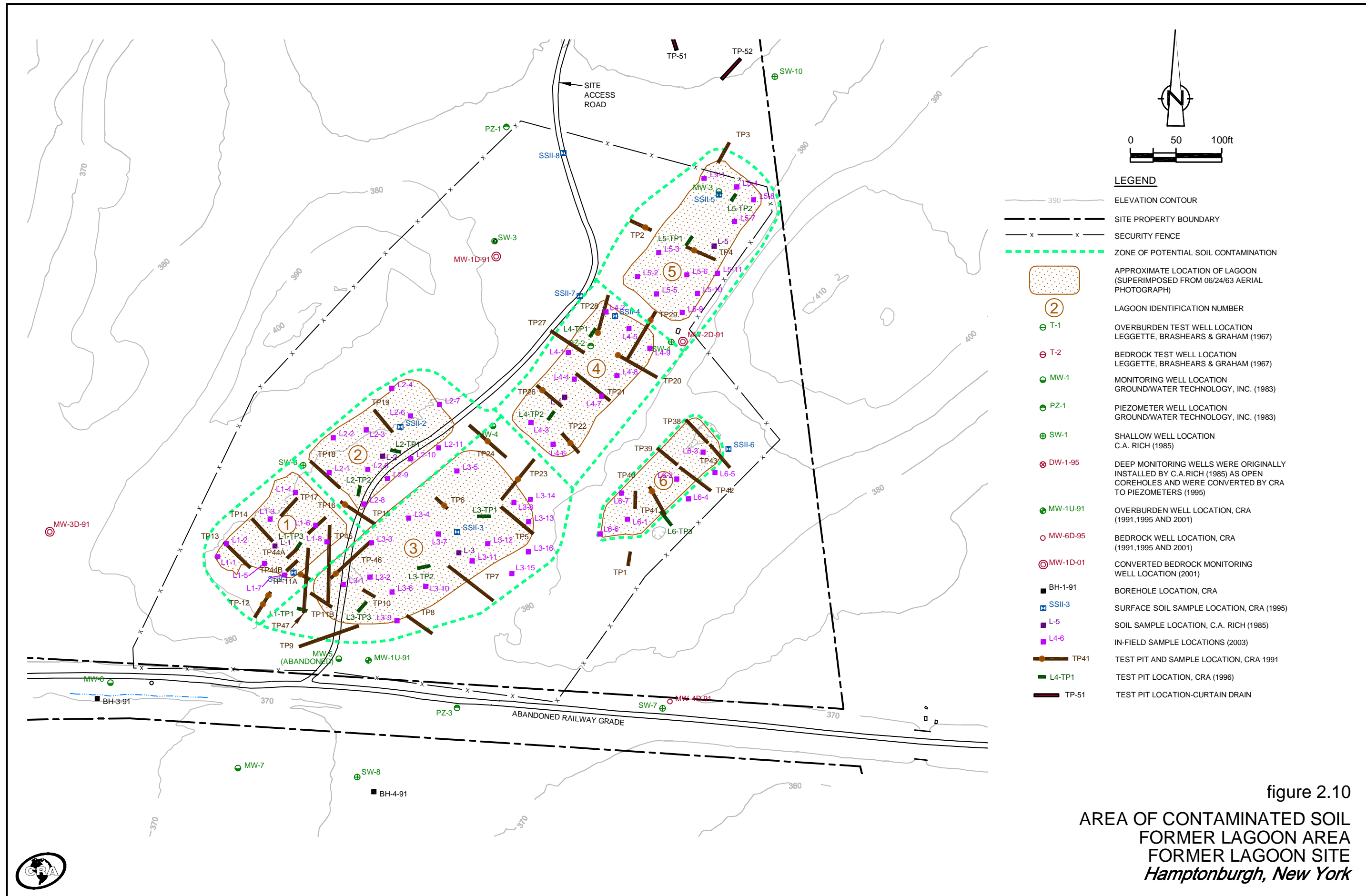


figure 2.8
 BEDROCK AQUIFER GROUNDWATER CONTOURS
 JUNE 3, 2002
 FORMER LAGOON SITE
 Hamptonburgh, New York





- LEGEND**
- 390 ELEVATION CONTOUR
 - SITE PROPERTY BOUNDARY
 - SECURITY FENCE
 - ZONE OF POTENTIAL SOIL CONTAMINATION
 - APPROXIMATE LOCATION OF LAGOON (SUPERIMPOSED FROM 06/24/63 AERIAL PHOTOGRAPH)
 - LAGOON IDENTIFICATION NUMBER
 - OVERBURDEN TEST WELL LOCATION LEGGETTE, BRASHEARS & GRAHAM (1967)
 - BEDROCK TEST WELL LOCATION LEGGETTE, BRASHEARS & GRAHAM (1967)
 - MONITORING WELL LOCATION GROUND/WATER TECHNOLOGY, INC. (1983)
 - PIEZOMETER WELL LOCATION GROUND/WATER TECHNOLOGY, INC. (1983)
 - SHALLOW WELL LOCATION C.A. RICH (1985)
 - DEEP MONITORING WELLS WERE ORIGINALLY INSTALLED BY C.A.RICH (1985) AS OPEN COREHOLES AND WERE CONVERTED BY CRA TO PIEZOMETERS (1995)
 - OVERBURDEN WELL LOCATION, CRA (1991,1995 AND 2001)
 - BEDROCK WELL LOCATION, CRA (1991,1995 AND 2001)
 - CONVERTED BEDROCK MONITORING WELL LOCATION (2001)
 - BOREHOLE LOCATION, CRA
 - SURFACE SOIL SAMPLE LOCATION, CRA (1995)
 - SOIL SAMPLE LOCATION, C.A. RICH (1985)
 - IN-FIELD SAMPLE LOCATIONS (2003)
 - TEST PIT AND SAMPLE LOCATION, CRA 1991
 - TEST PIT LOCATION, CRA (1996)
 - TEST PIT LOCATION-CURTAIN DRAIN

figure 2.10
 AREA OF CONTAMINATED SOIL
 FORMER LAGOON AREA
 FORMER LAGOON SITE
 Hamptonburgh, New York

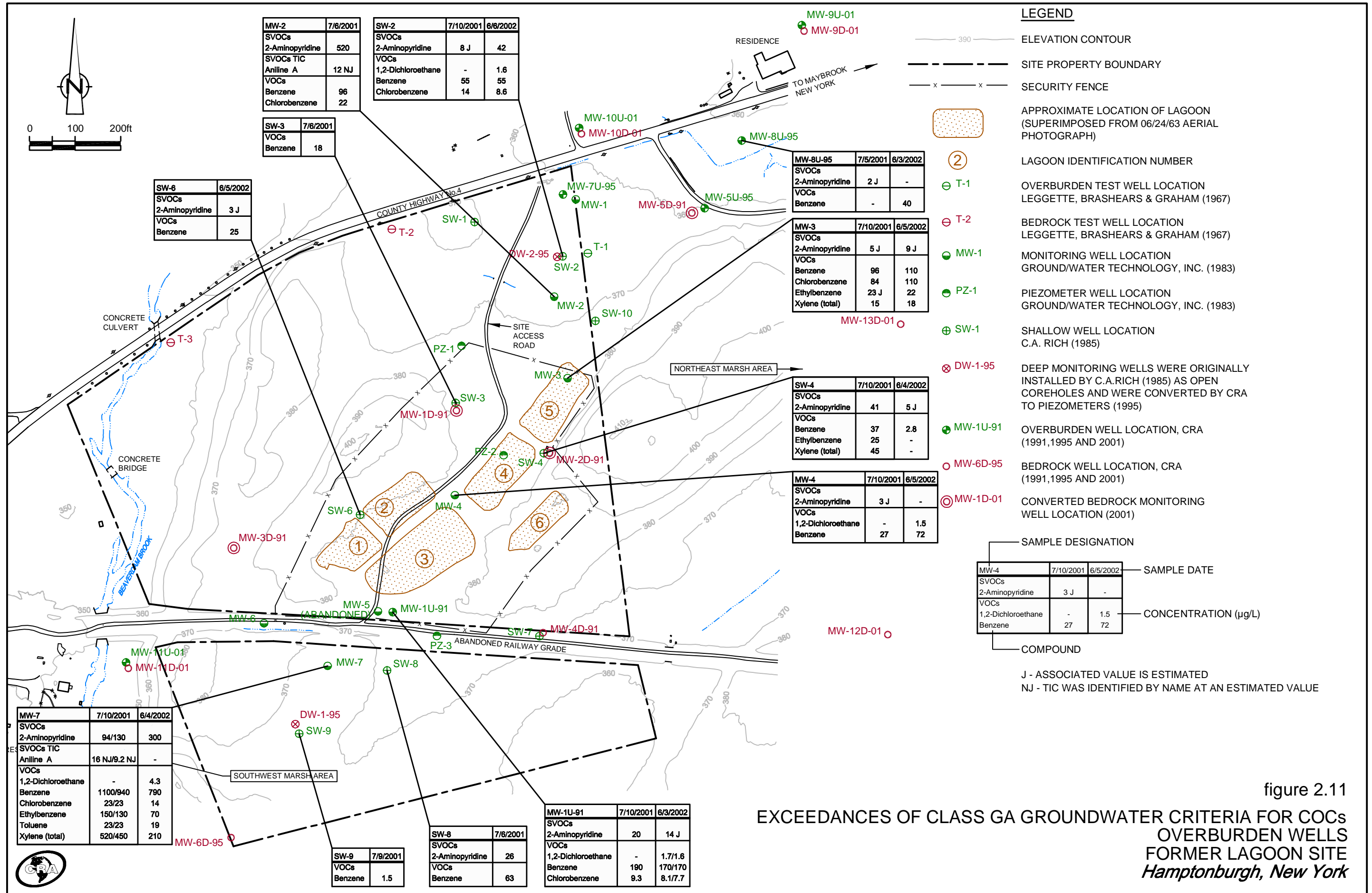
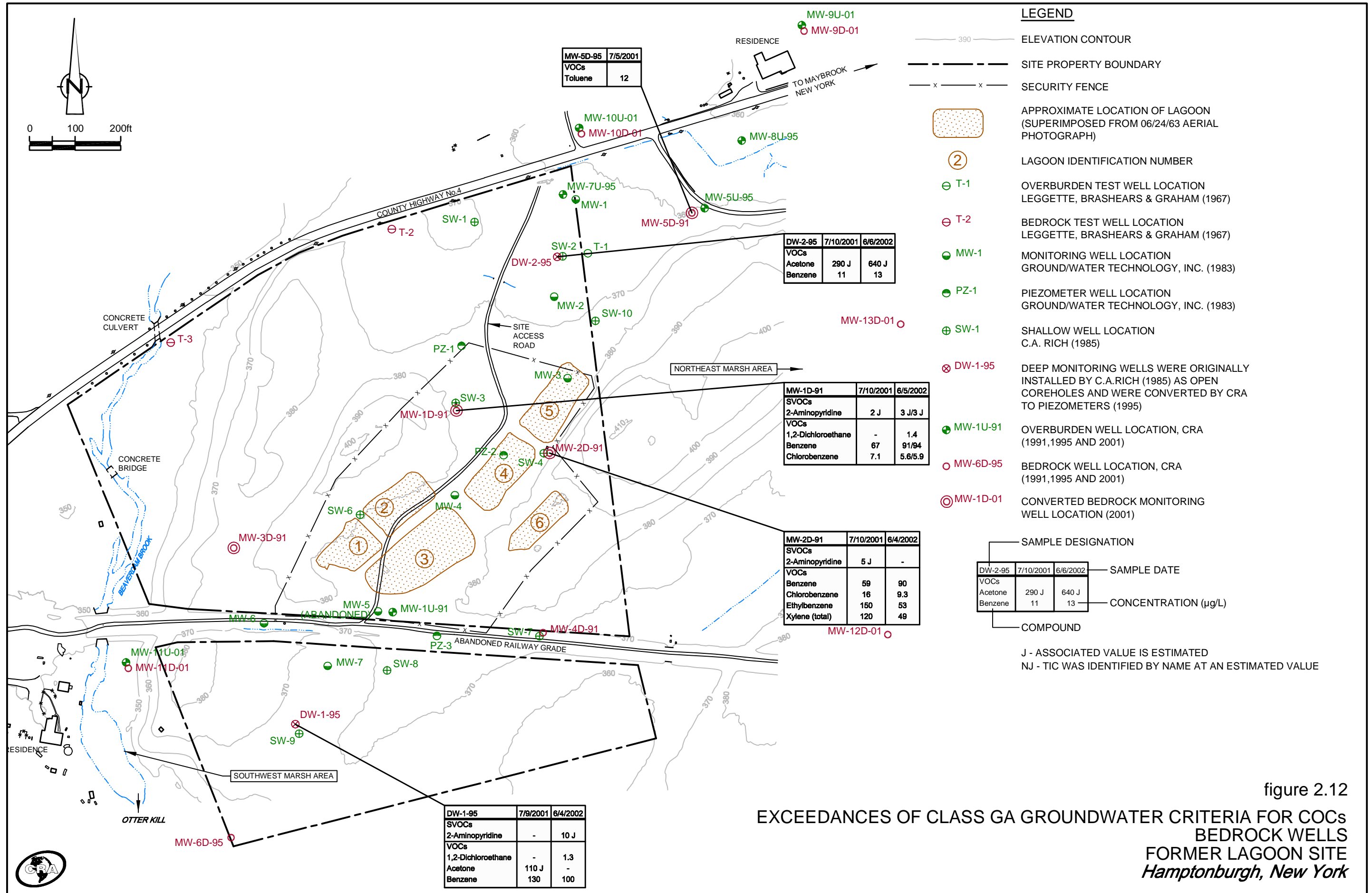


figure 2.11
 EXCEEDANCES OF CLASS GA GROUNDWATER CRITERIA FOR COCs
 OVERBURDEN WELLS
 FORMER LAGOON SITE
 Hamptonburgh, New York



LEGEND

- 390 — ELEVATION CONTOUR
- — — SITE PROPERTY BOUNDARY
- x — x — SECURITY FENCE
- APPROXIMATE LOCATION OF LAGOON (SUPERIMPOSED FROM 06/24/63 AERIAL PHOTOGRAPH)
- LAGOON IDENTIFICATION NUMBER
- OVERBURDEN TEST WELL LOCATION LEGGETTE, BRASHEARS & GRAHAM (1967)
- BEDROCK TEST WELL LOCATION LEGGETTE, BRASHEARS & GRAHAM (1967)
- MONITORING WELL LOCATION GROUND/WATER TECHNOLOGY, INC. (1983)
- PIEZOMETER WELL LOCATION GROUND/WATER TECHNOLOGY, INC. (1983)
- SHALLOW WELL LOCATION C.A. RICH (1985)
- DEEP MONITORING WELLS WERE ORIGINALLY INSTALLED BY C.A.RICH (1985) AS OPEN COREHOLES AND WERE CONVERTED BY CRA TO PIEZOMETERS (1995)
- OVERBURDEN WELL LOCATION, CRA (1991,1995 AND 2001)
- BEDROCK WELL LOCATION, CRA (1991,1995 AND 2001)
- CONVERTED BEDROCK MONITORING WELL LOCATION (2001)
- — — SAMPLE DESIGNATION
- | | | |
|---------|-----------|----------|
| DW-2-95 | 7/10/2001 | 6/6/2002 |
| VOCs | | |
| Acetone | 290 J | 640 J |
| Benzene | 11 | 13 |

 — SAMPLE DATE
- | | | |
|---------|-------|-------|
| VOCs | | |
| Acetone | 290 J | 640 J |
| Benzene | 11 | 13 |

 — CONCENTRATION (µg/L)
- — — COMPOUND
- J - ASSOCIATED VALUE IS ESTIMATED
- NJ - TIC WAS IDENTIFIED BY NAME AT AN ESTIMATED VALUE

MW-5D-95	7/5/2001
VOCs	
Toluene	12

DW-2-95	7/10/2001	6/6/2002
VOCs		
Acetone	290 J	640 J
Benzene	11	13

MW-1D-91	7/10/2001	6/5/2002
SVOCs		
2-Aminopyridine	2 J	3 J/3 J
VOCs		
1,2-Dichloroethane	-	1.4
Benzene	67	91/94
Chlorobenzene	7.1	5.6/5.9

MW-2D-91	7/10/2001	6/4/2002
SVOCs		
2-Aminopyridine	5 J	-
VOCs		
Benzene	59	90
Chlorobenzene	16	9.3
Ethylbenzene	150	53
Xylene (total)	120	49

DW-1-95	7/9/2001	6/4/2002
SVOCs		
2-Aminopyridine	-	10 J
VOCs		
1,2-Dichloroethane	-	1.3
Acetone	110 J	-
Benzene	130	100

figure 2.12
**EXCEEDANCES OF CLASS GA GROUNDWATER CRITERIA FOR COCs
 BEDROCK WELLS
 FORMER LAGOON SITE
 Hamptonburgh, New York**

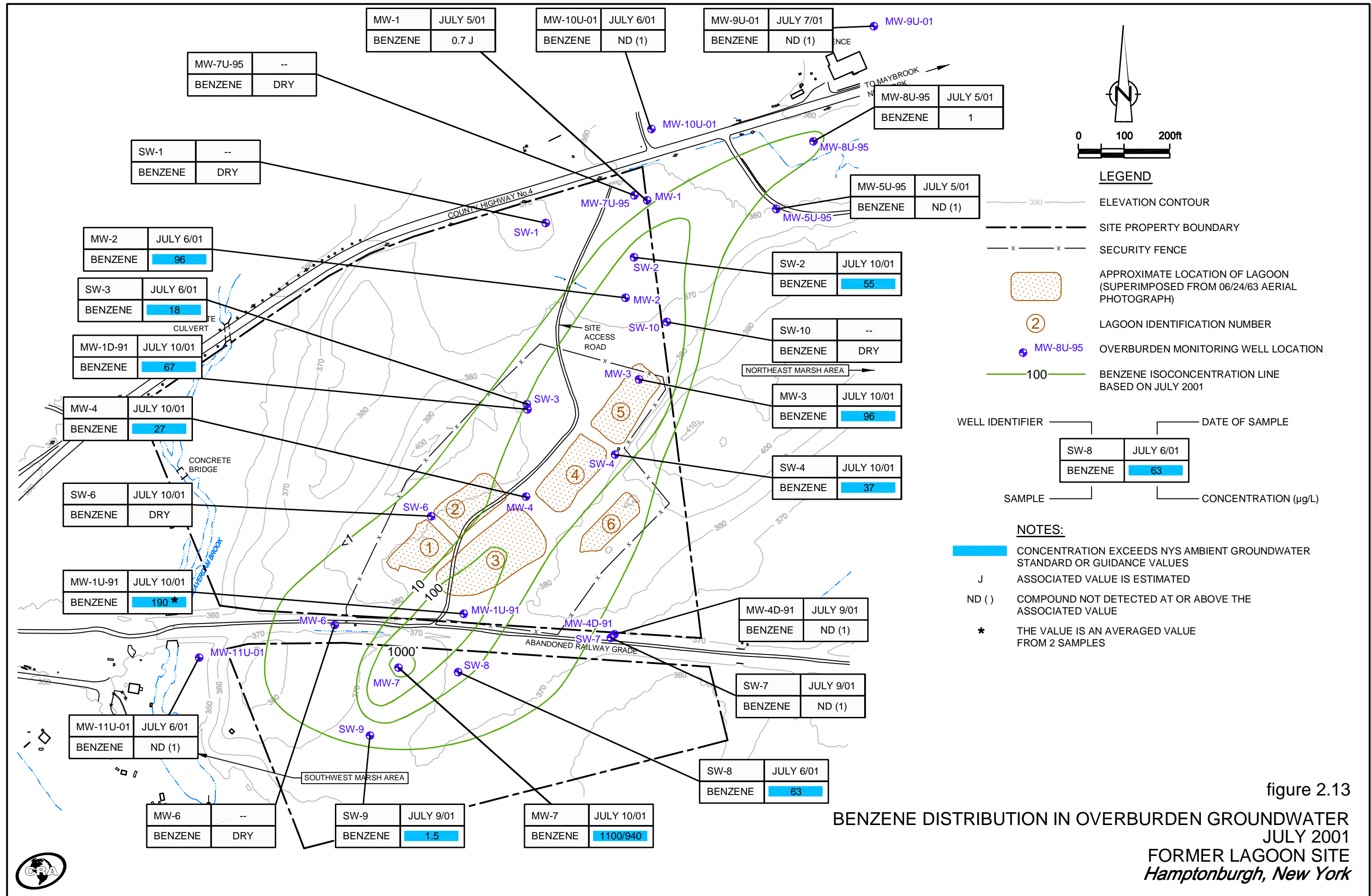


figure 2.13
 BENZENE DISTRIBUTION IN OVERBURDEN GROUNDWATER
 JULY 2001
 FORMER LAGOON SITE
 Hamptonburgh, New York

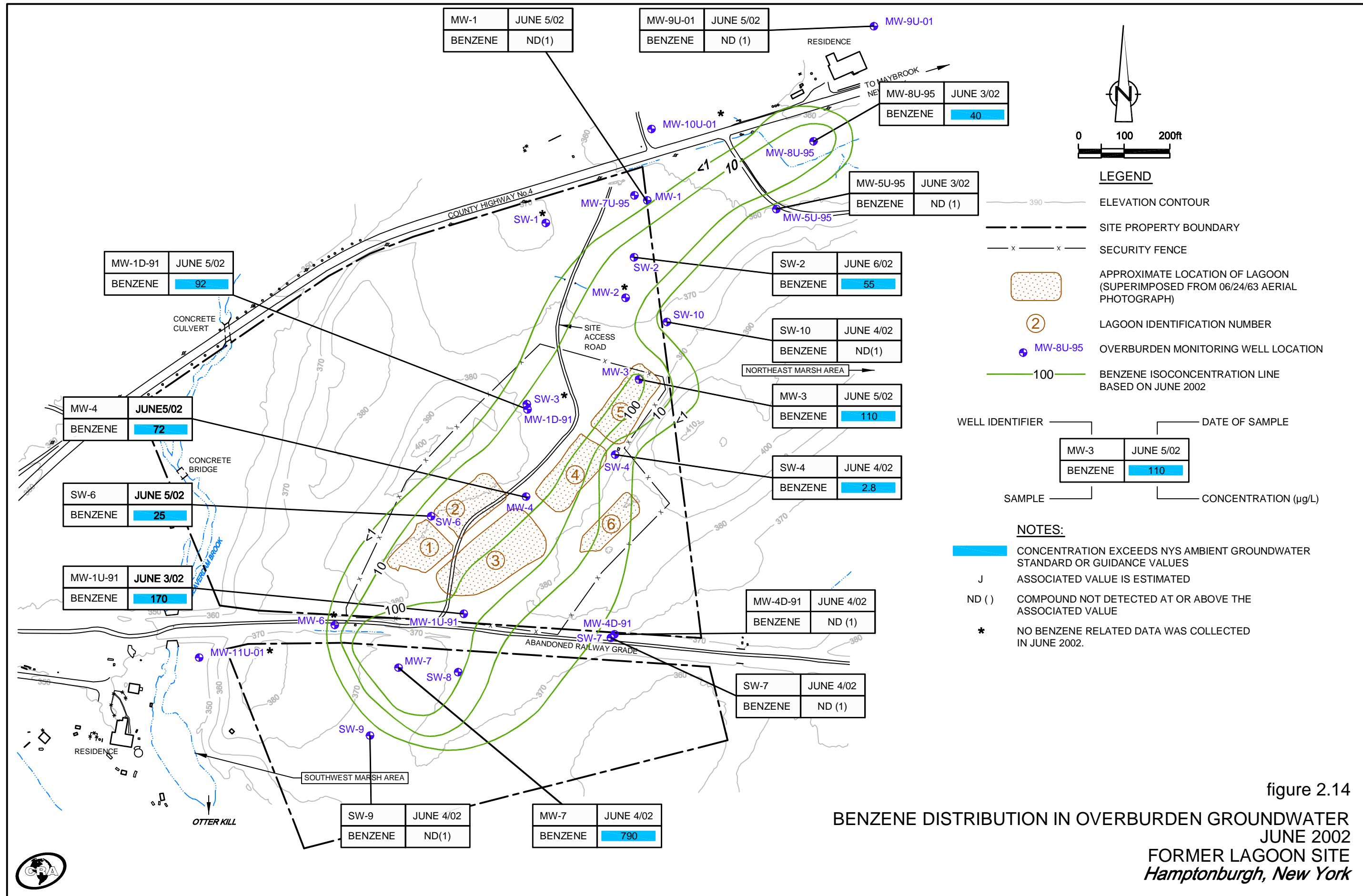


figure 2.14
 BENZENE DISTRIBUTION IN OVERBURDEN GROUNDWATER
 JUNE 2002
 FORMER LAGOON SITE
 Hamptonburgh, New York

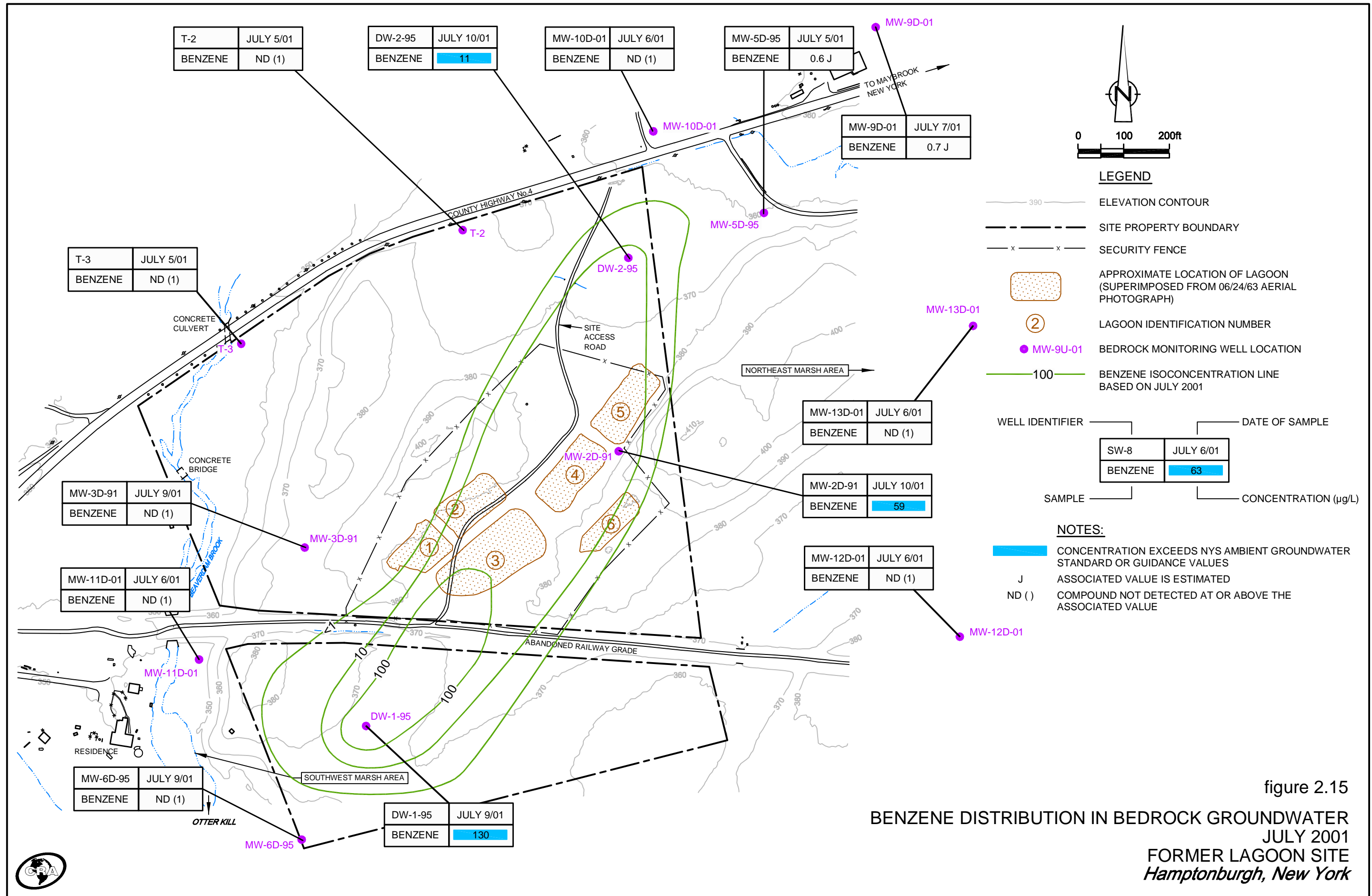


figure 2.15
 BENZENE DISTRIBUTION IN BEDROCK GROUNDWATER
 JULY 2001
 FORMER LAGOON SITE
 Hamptonburgh, New York

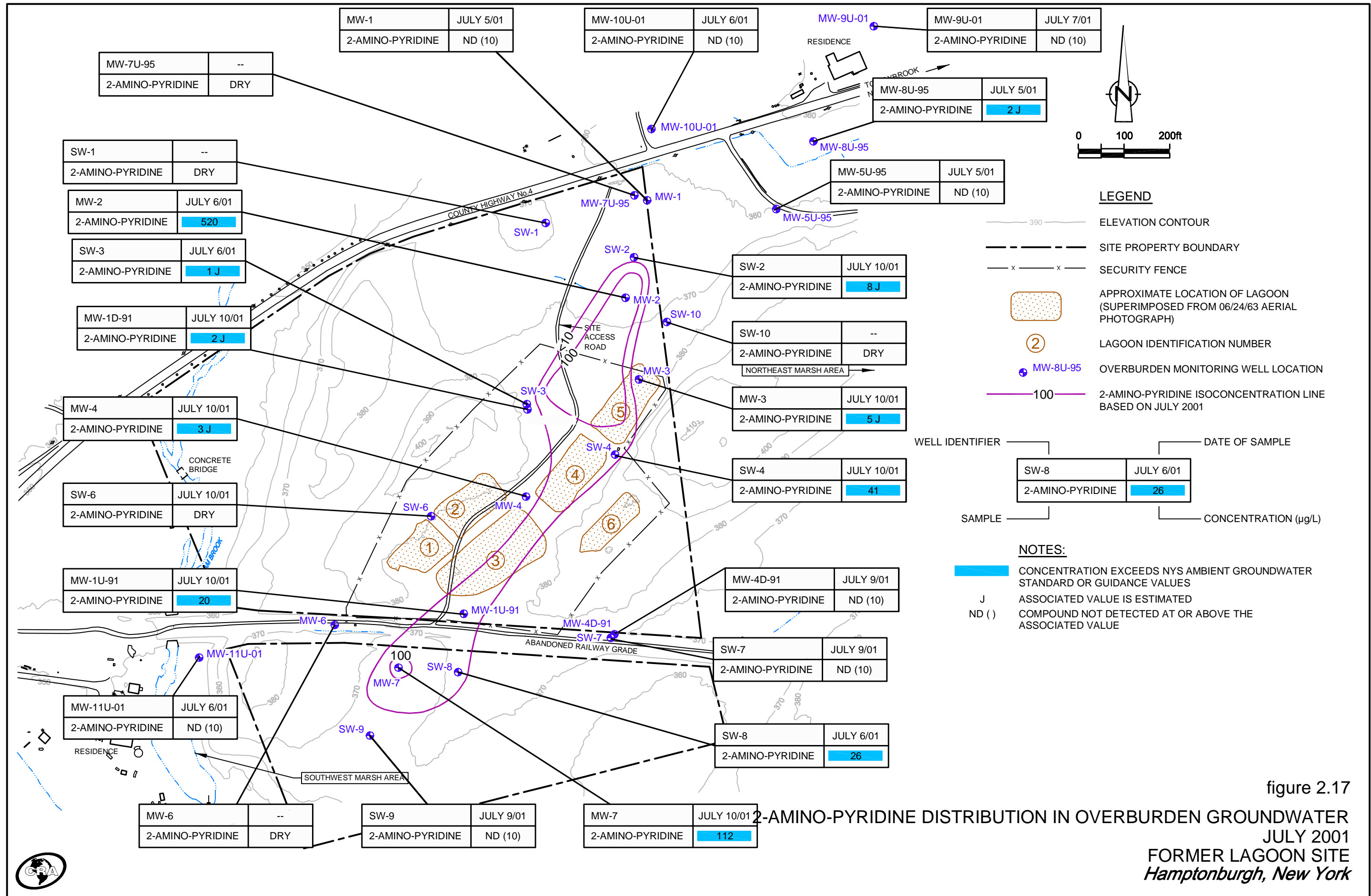


figure 2.17
 2-AMINO-PYRIDINE DISTRIBUTION IN OVERBURDEN GROUNDWATER
 JULY 2001
 FORMER LAGOON SITE
 Hamptonburgh, New York

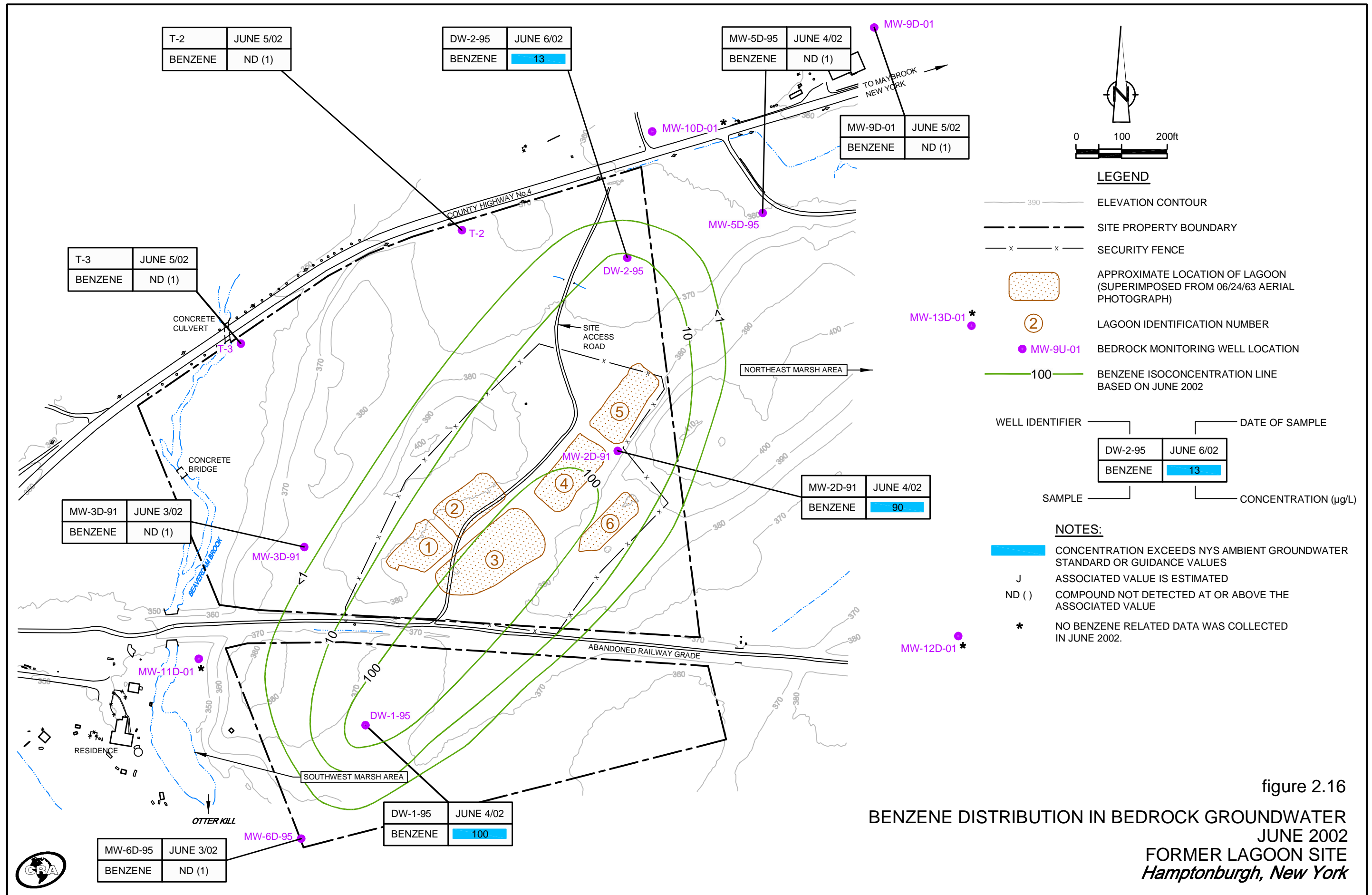


figure 2.16
 BENZENE DISTRIBUTION IN BEDROCK GROUNDWATER
 JUNE 2002
 FORMER LAGOON SITE
 Hamptonburgh, New York

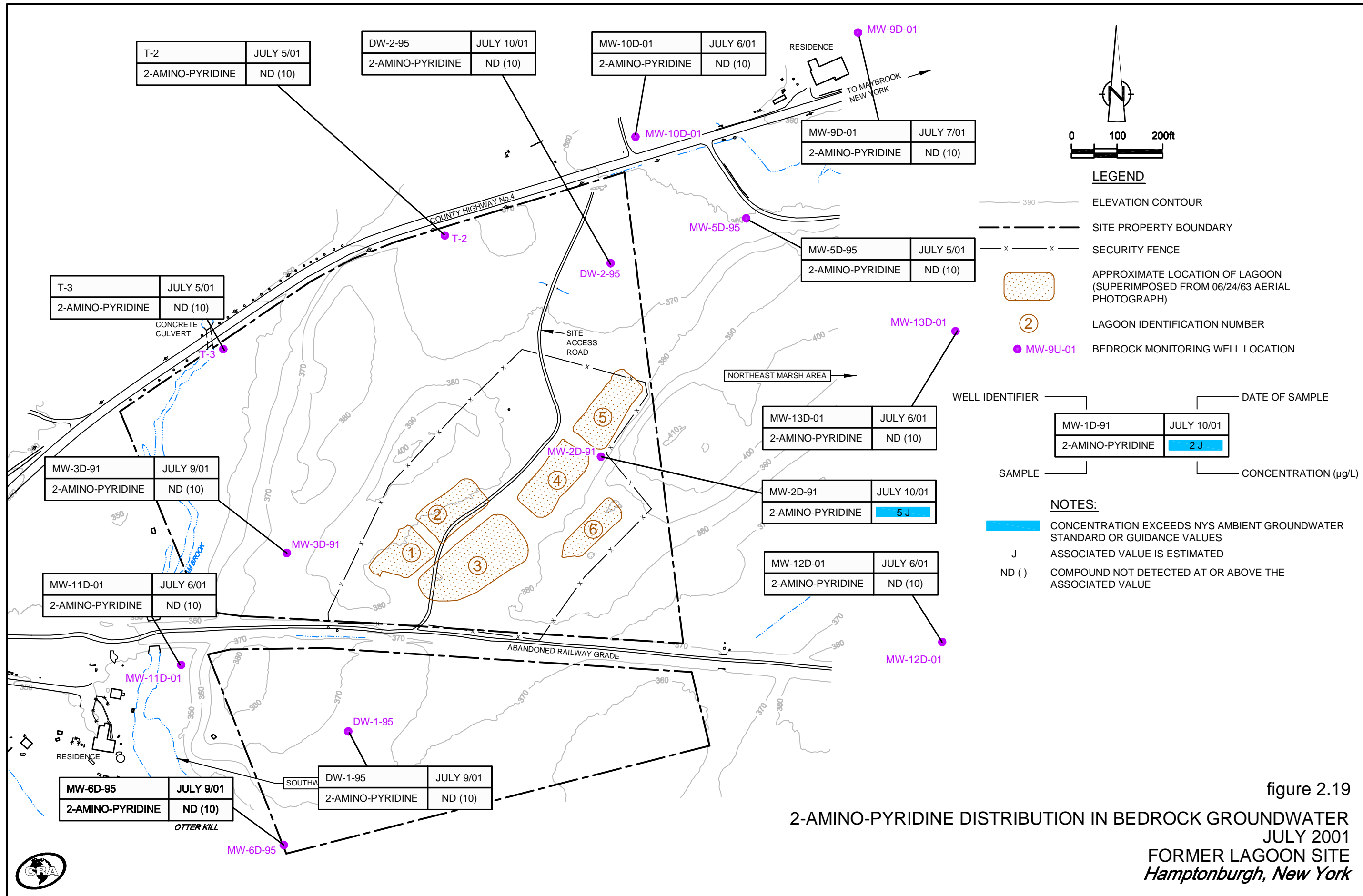


figure 2.19
 2-AMINO-PYRIDINE DISTRIBUTION IN BEDROCK GROUNDWATER
 JULY 2001
 FORMER LAGOON SITE
 Hamptonburgh, New York

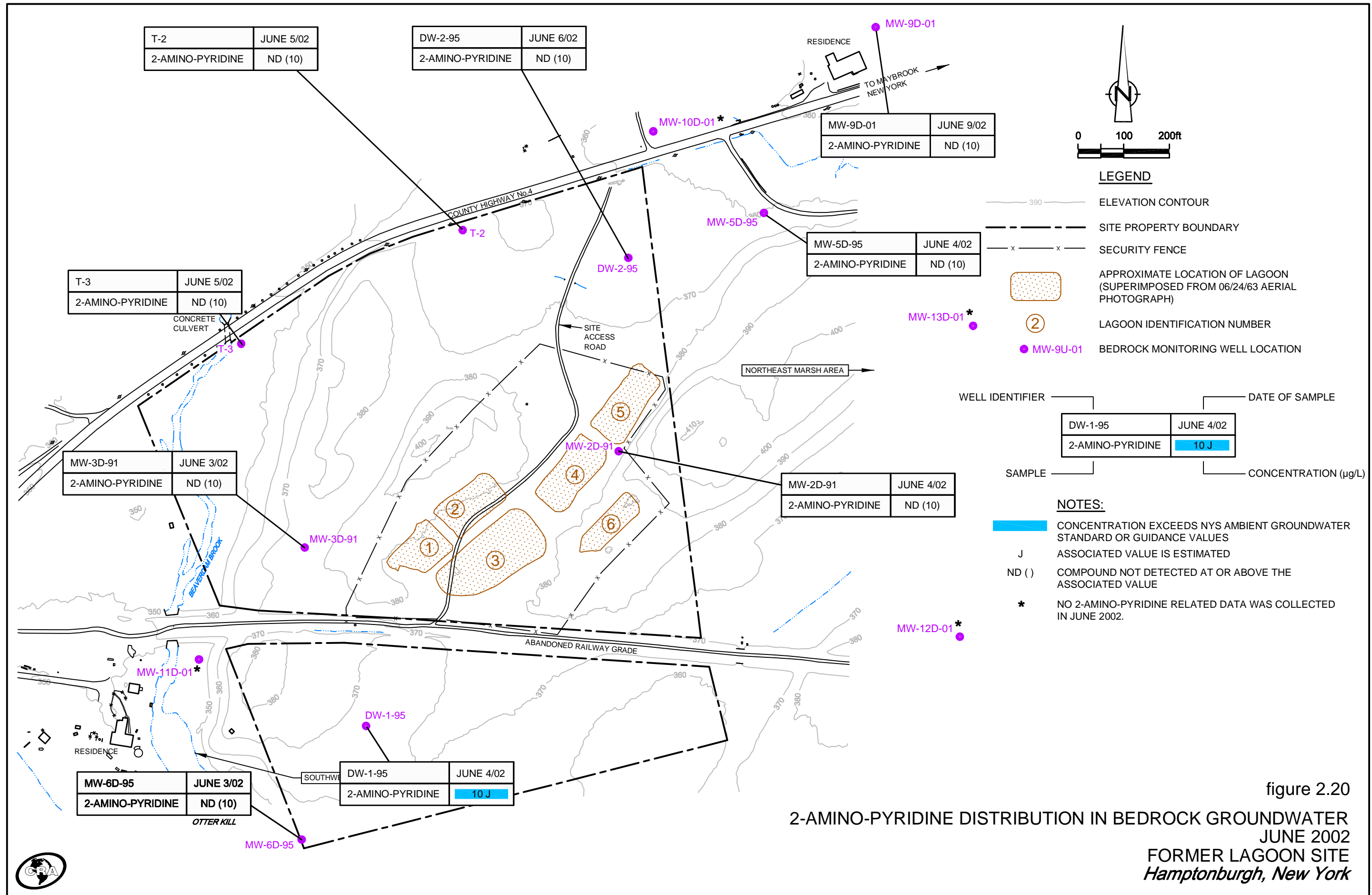


figure 2.20
 2-AMINO-PYRIDINE DISTRIBUTION IN BEDROCK GROUNDWATER
 JUNE 2002
 FORMER LAGOON SITE
 Hamptonburgh, New York

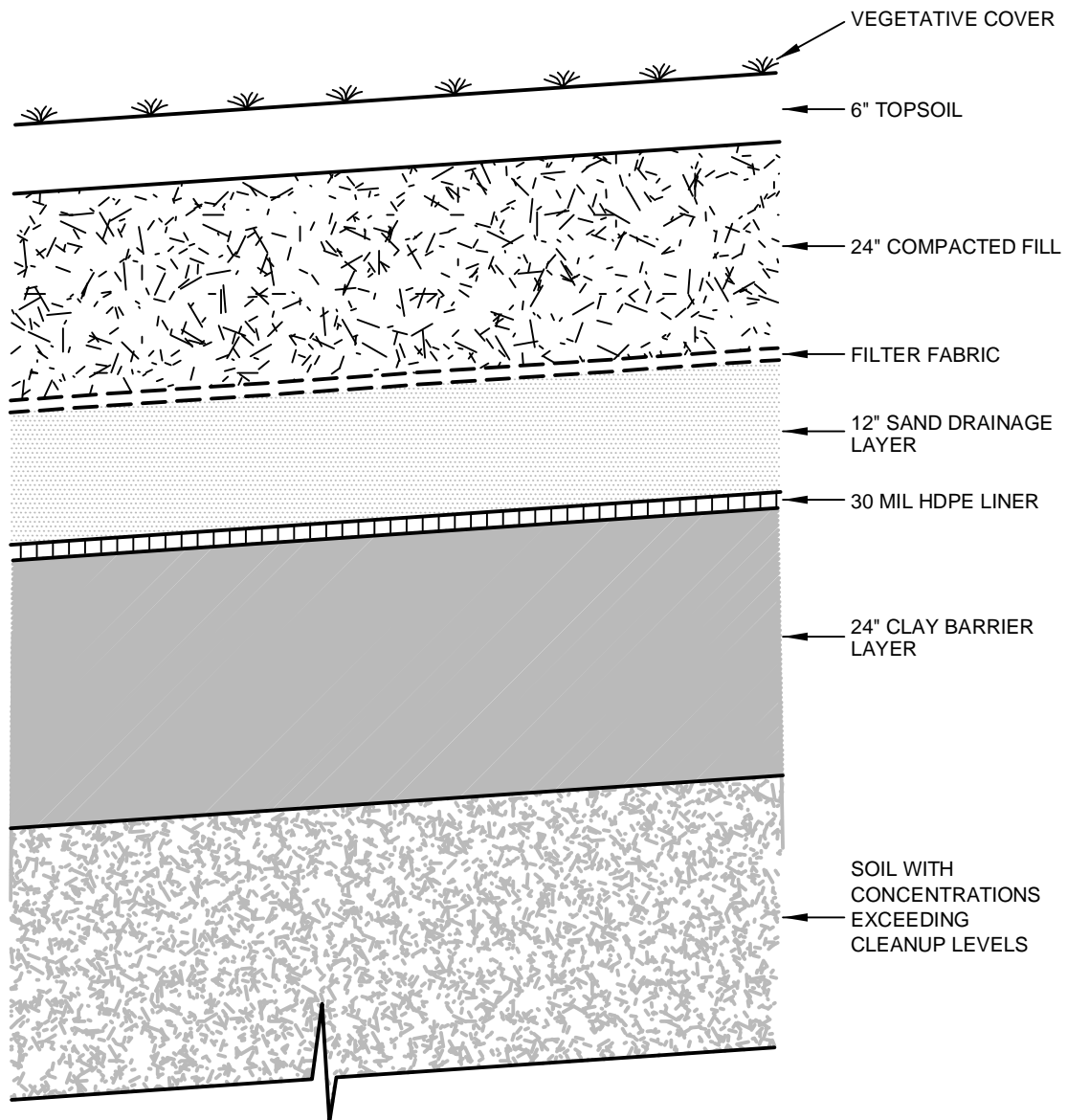


figure 4.1
 TYPICAL SECTION
 RCRA LANDFILL CAP
 FORMER LAGOON SITE
Hamptonburgh, New York



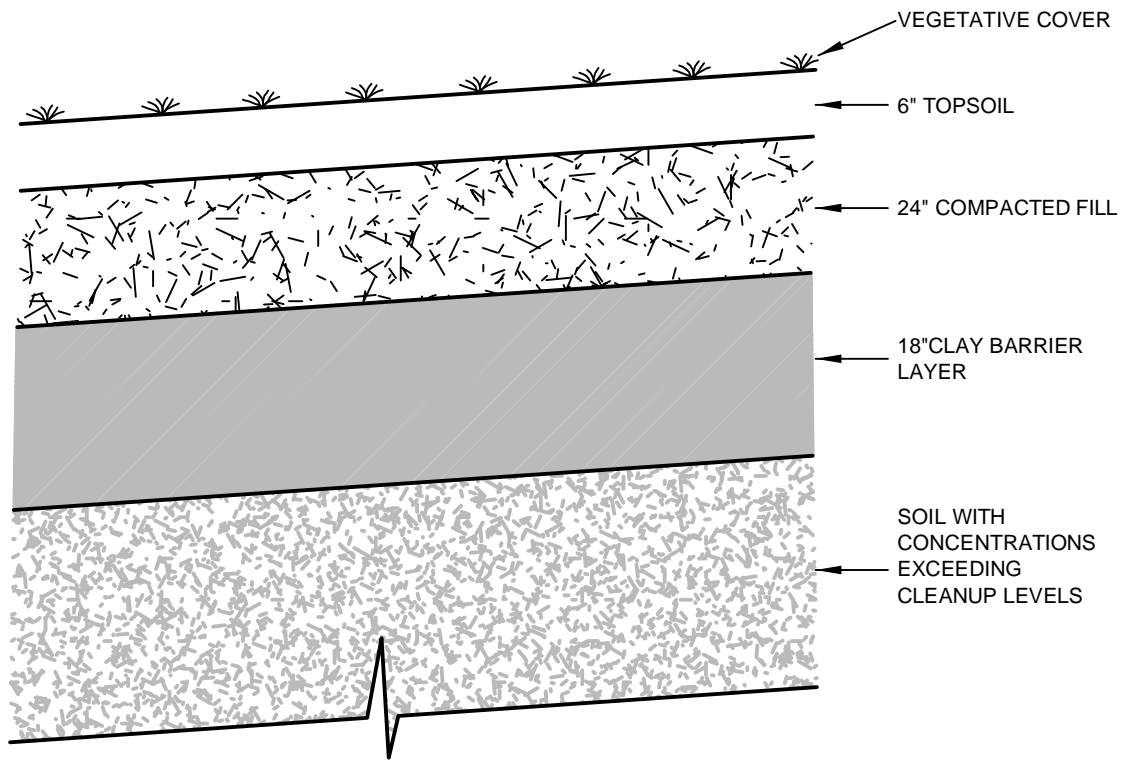


figure 4.2
 TYPICAL SECTION
 NEW YORK STATE SANITARY LANDFILL CAP
 FORMER LAGOON SITE
Hamptonburgh, New York



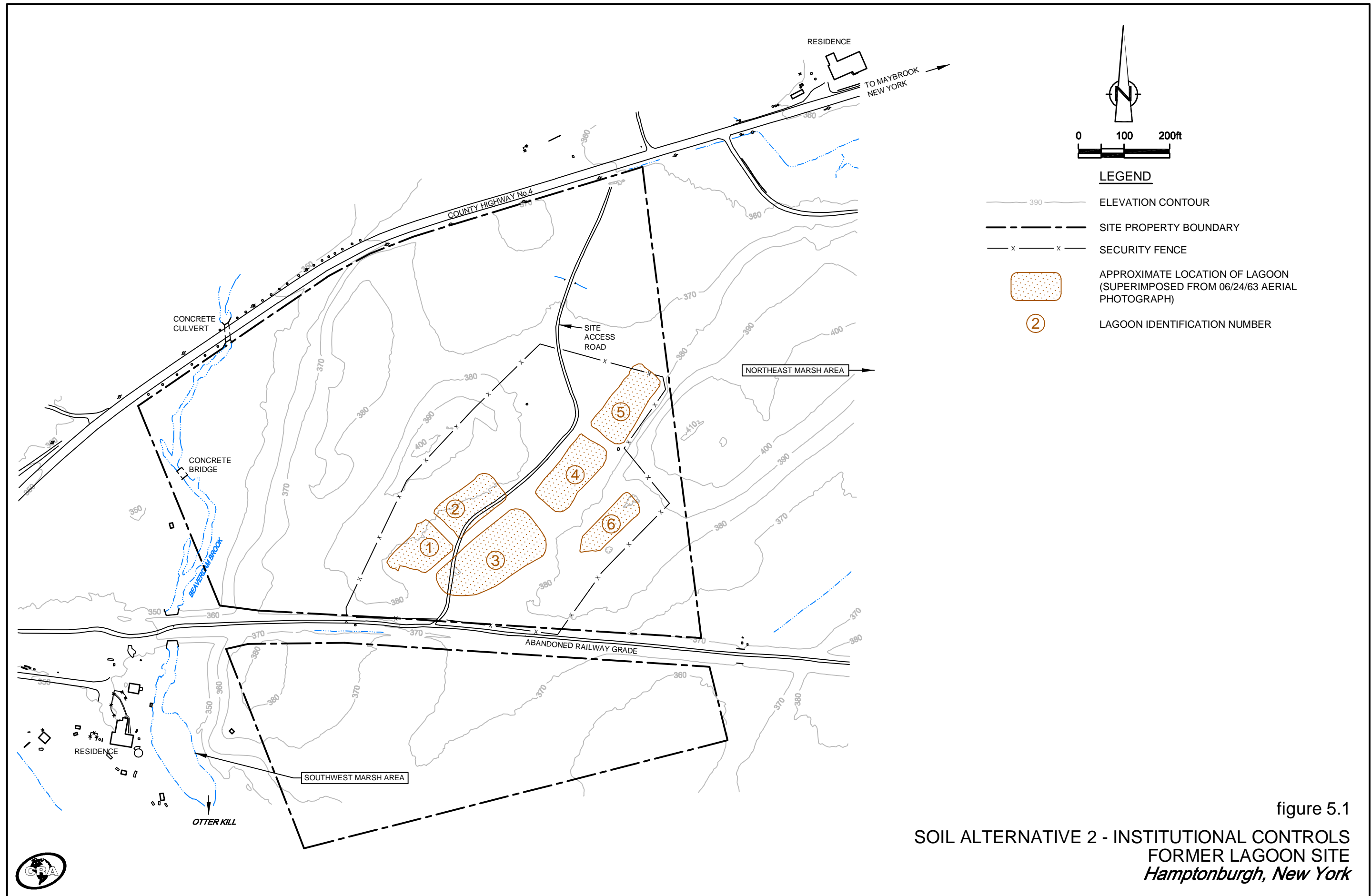


figure 5.1
 SOIL ALTERNATIVE 2 - INSTITUTIONAL CONTROLS
 FORMER LAGOON SITE
 Hamptonburgh, New York



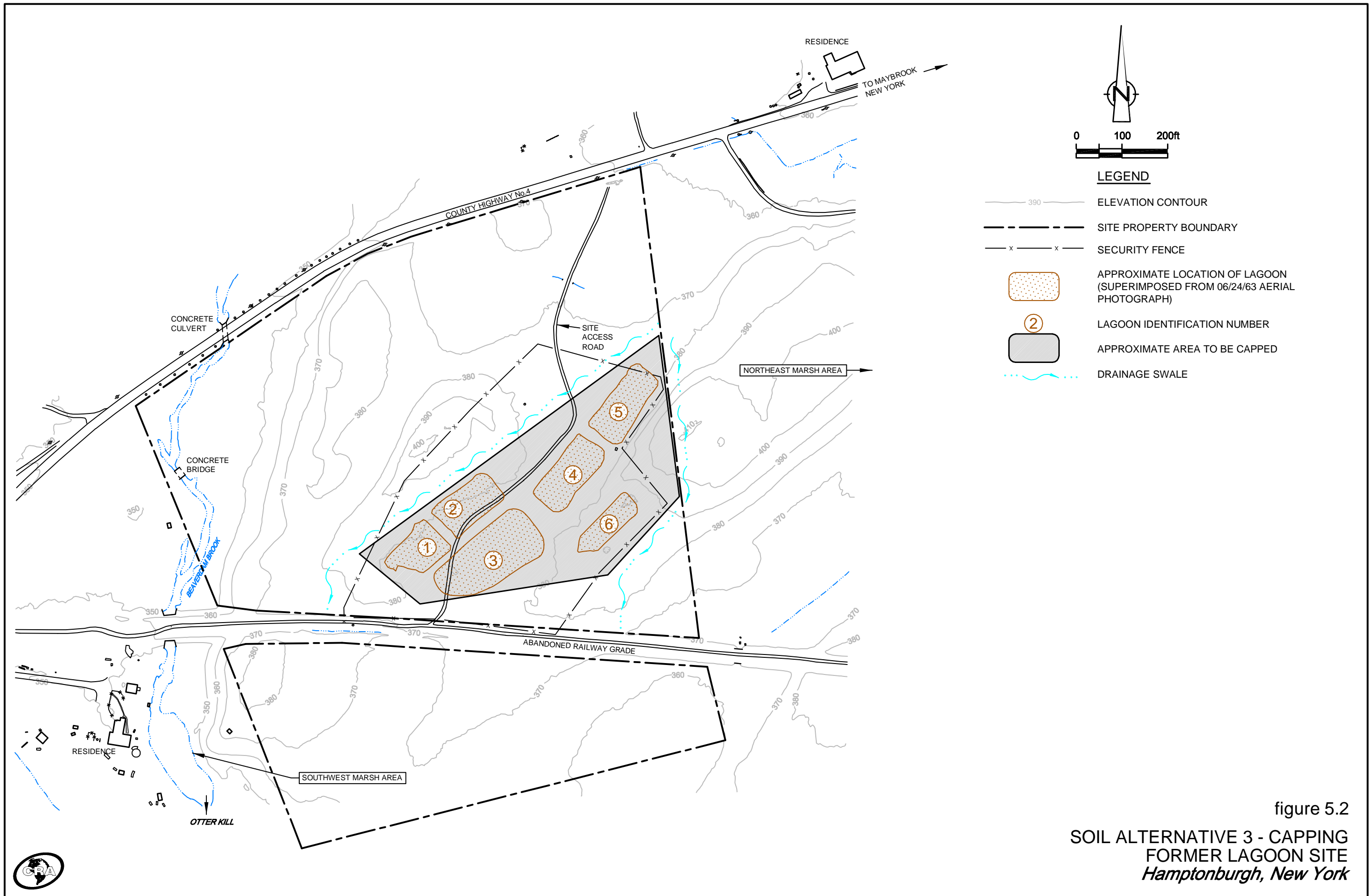


figure 5.2
 SOIL ALTERNATIVE 3 - CAPPING
 FORMER LAGOON SITE
 Hamptonburgh, New York

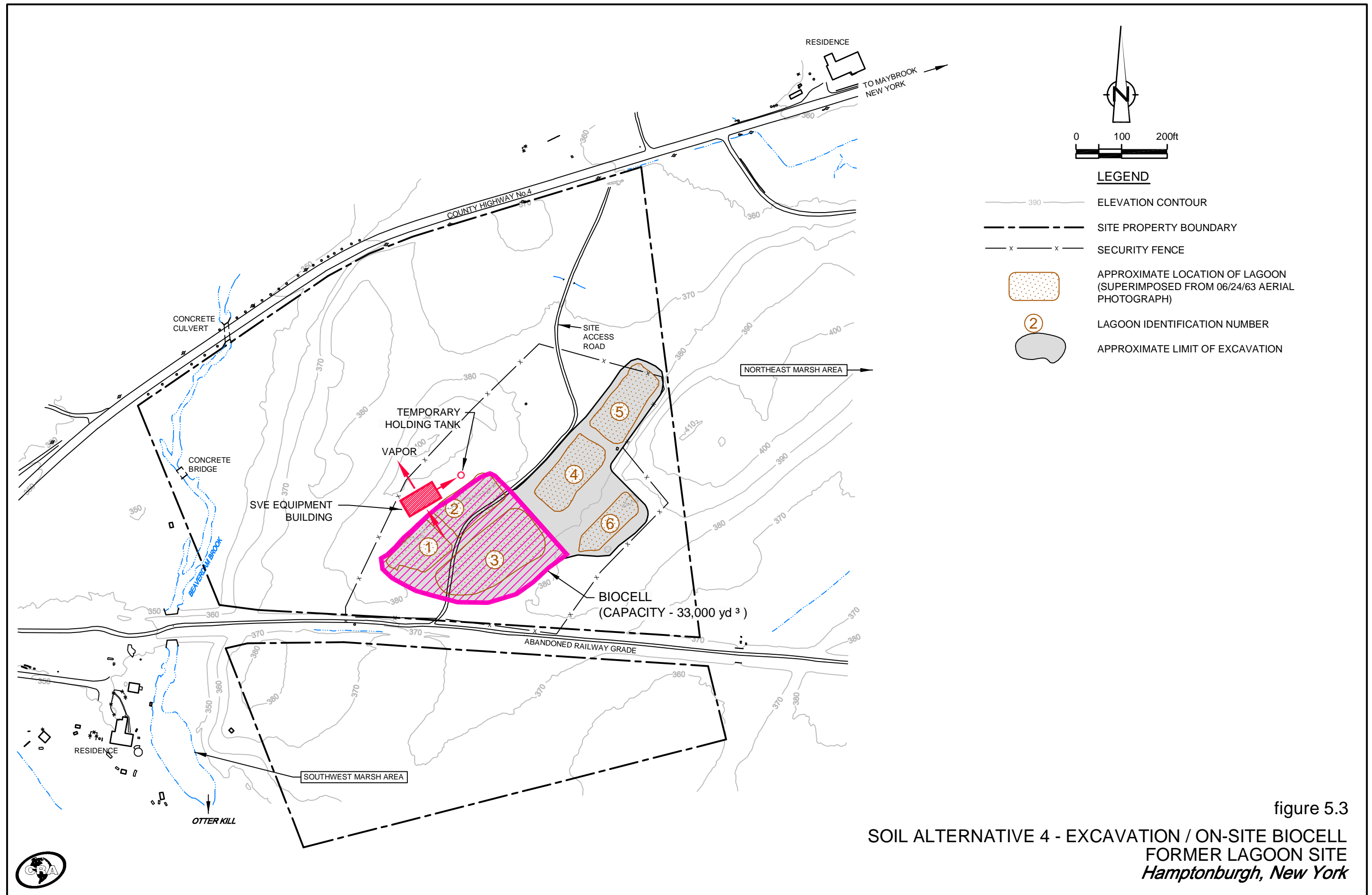
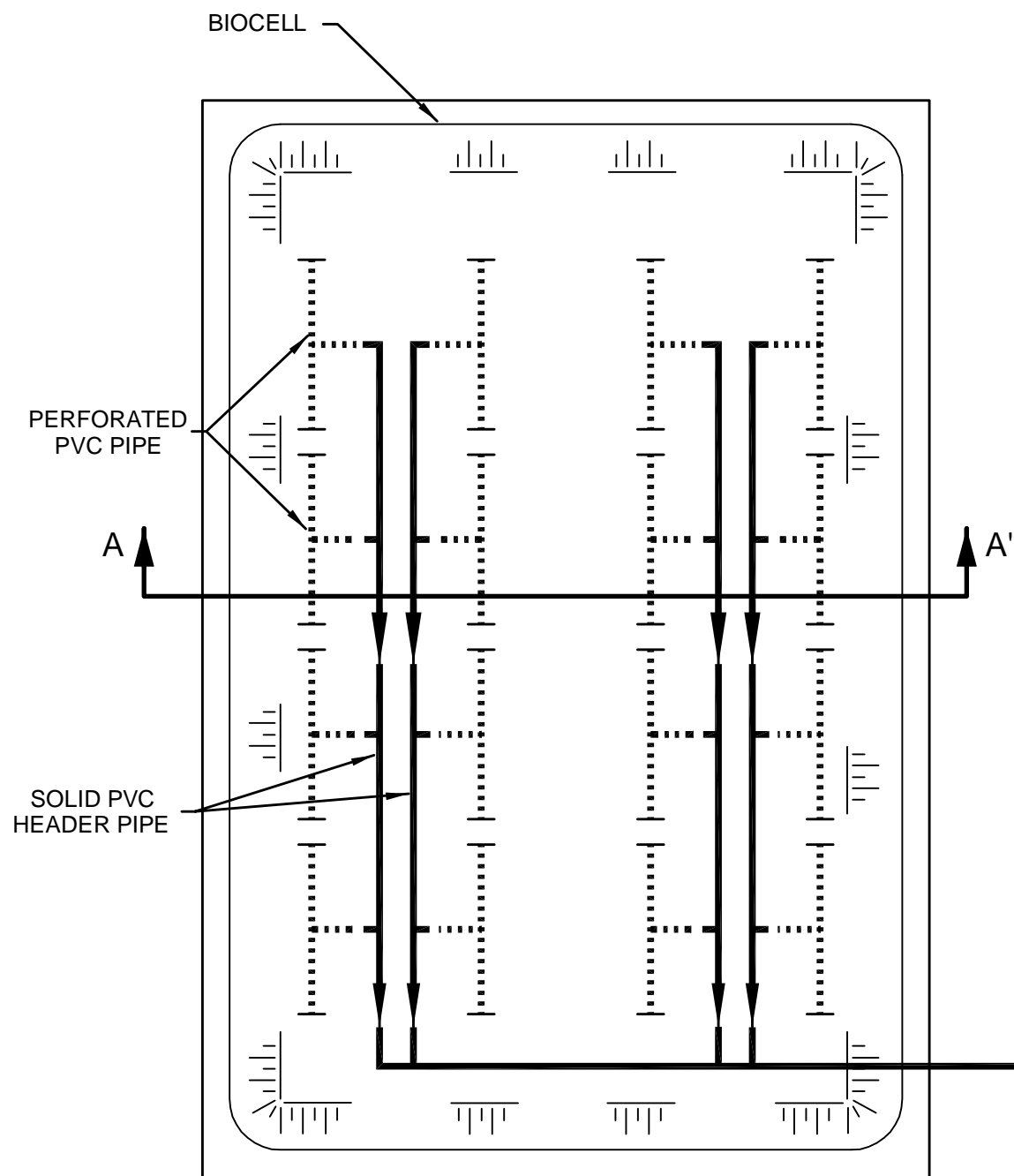
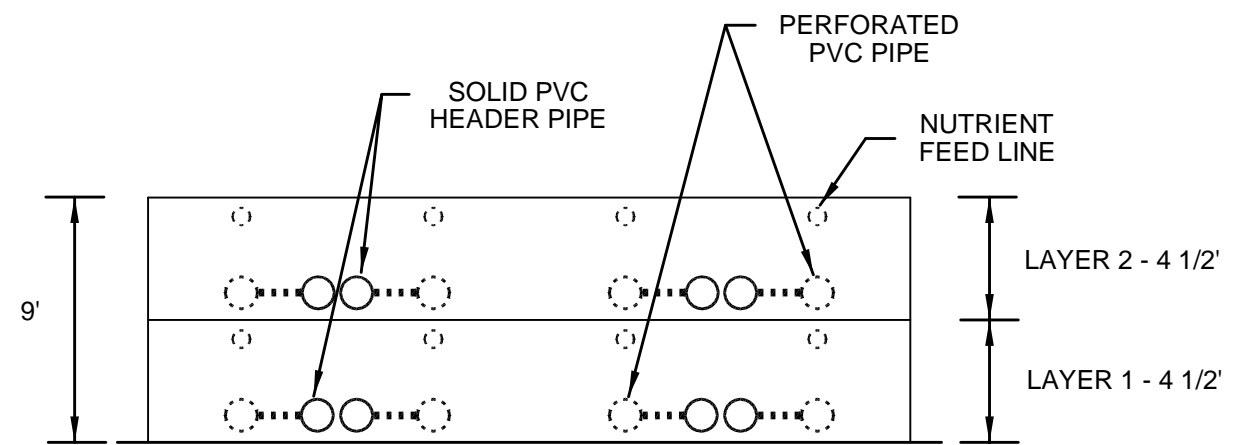


figure 5.3
 SOIL ALTERNATIVE 4 - EXCAVATION / ON-SITE BIOCELL
 FORMER LAGOON SITE
 Hamptonburgh, New York





CONCEPTUAL PLAN VIEW
NTS



SECTION A - A'
NTS

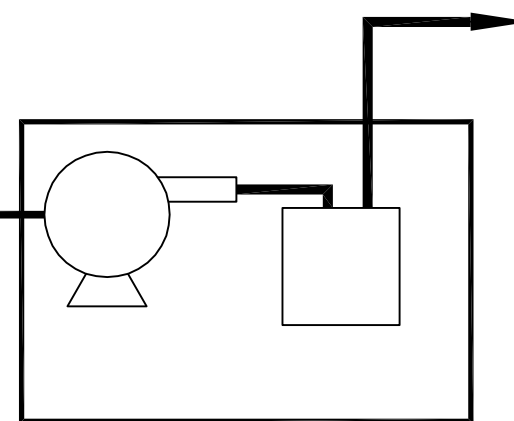


figure 5.4
TYPICAL LAYOUT FOR BIOCELL
VACUUM EXTRACTION SYSTEM
FORMER LAGOON SITE
Hamptonburgh, New York



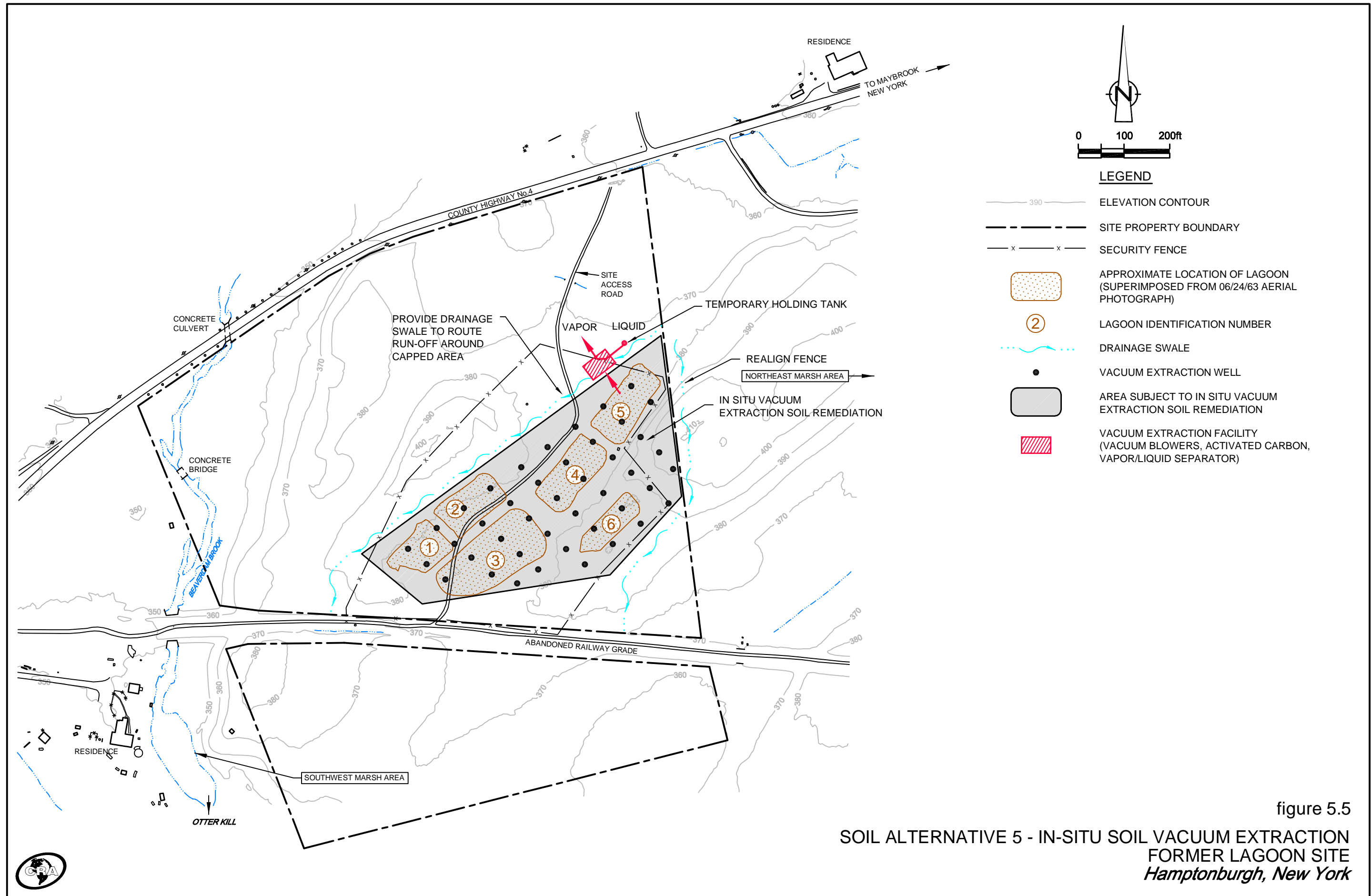
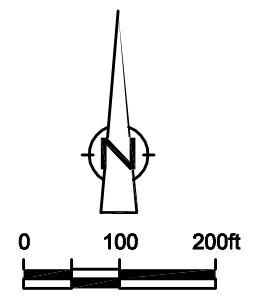
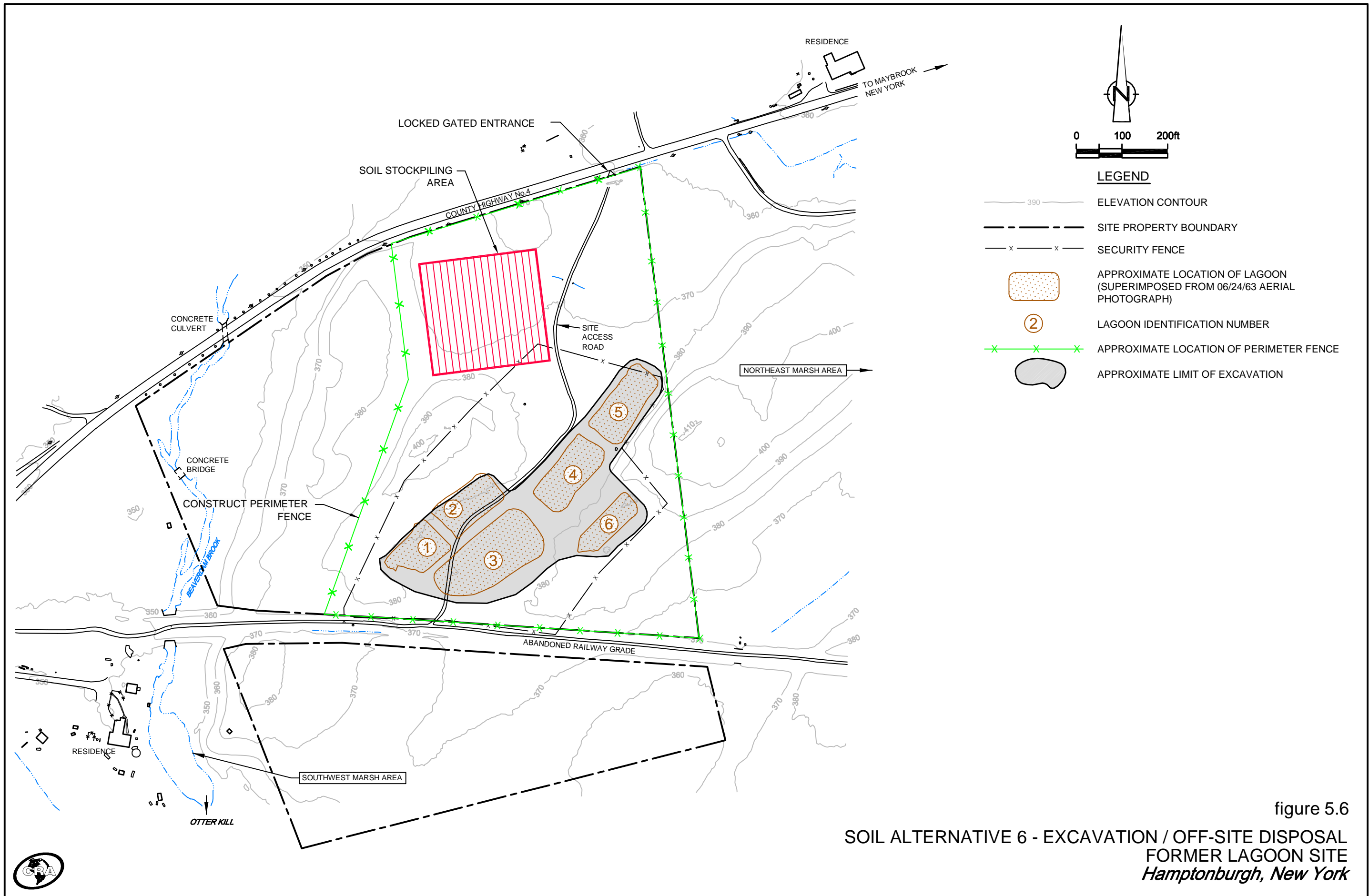


figure 5.5
 SOIL ALTERNATIVE 5 - IN-SITU SOIL VACUUM EXTRACTION
 FORMER LAGOON SITE
 Hamptonburgh, New York



LEGEND



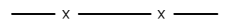
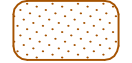



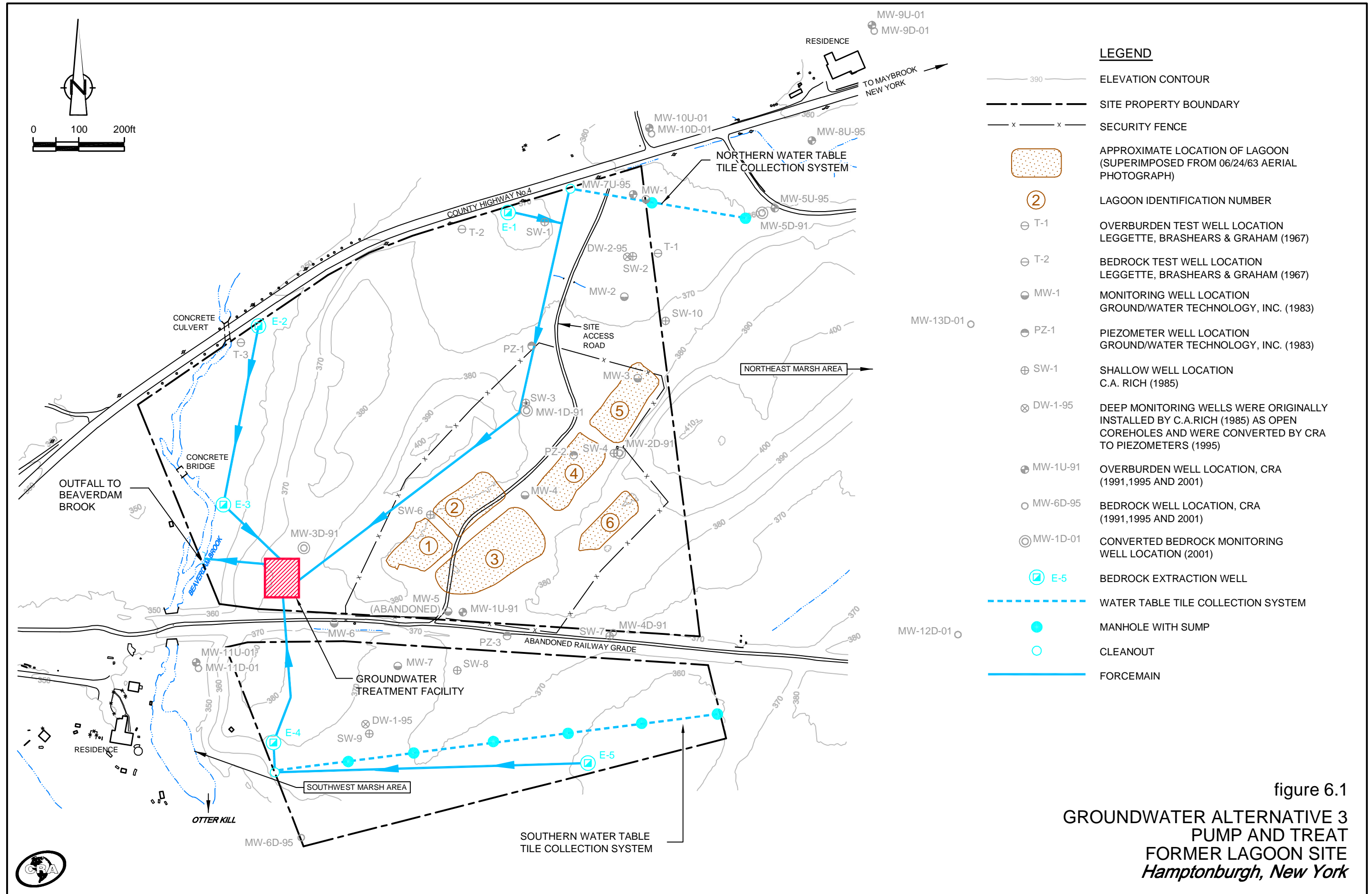
-  ELEVATION CONTOUR
-  SITE PROPERTY BOUNDARY
-  SECURITY FENCE
-  APPROXIMATE LOCATION OF LAGOON (SUPERIMPOSED FROM 06/24/63 AERIAL PHOTOGRAPH)
-  LAGOON IDENTIFICATION NUMBER
-  APPROXIMATE LOCATION OF PERIMETER FENCE
-  APPROXIMATE LIMIT OF EXCAVATION

figure 5.6
 SOIL ALTERNATIVE 6 - EXCAVATION / OFF-SITE DISPOSAL
 FORMER LAGOON SITE
 Hamptonburgh, New York





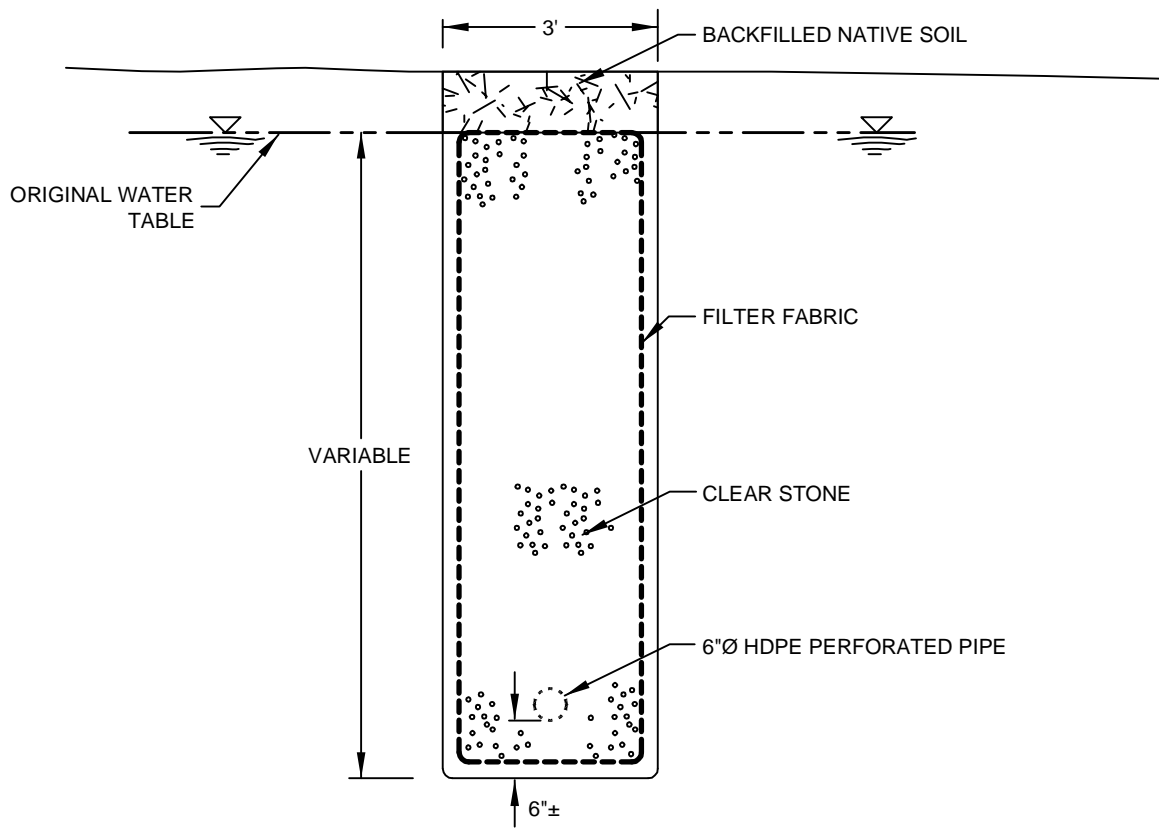


figure 6.2

GROUNDWATER COLLECTION TRENCH DETAIL
 FORMER LAGOON SITE
Hamptonburgh, New York



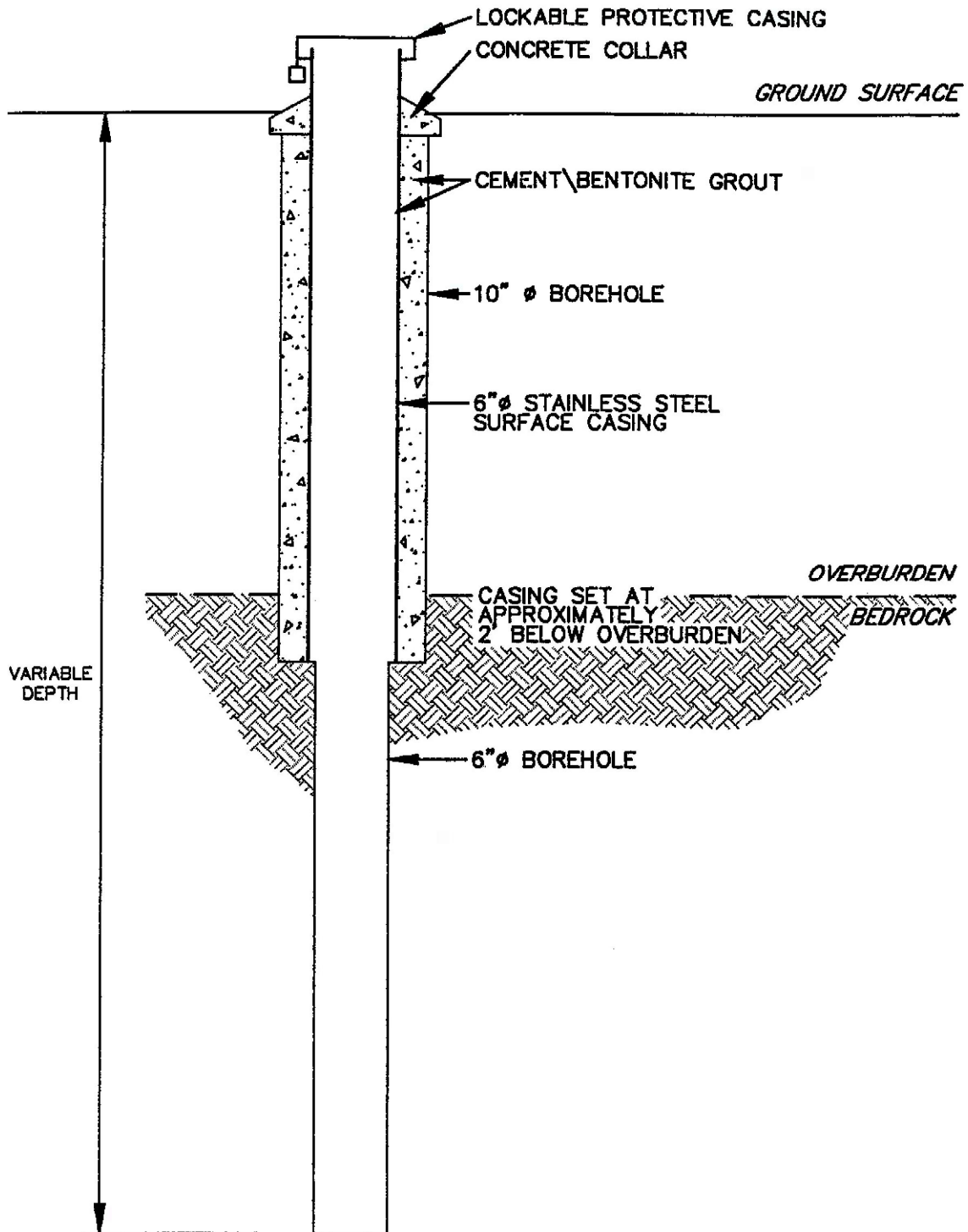


figure 6.3
TYPICAL BEDROCK EXTRACTION WELL
CONSTRUCTION DETAILS
FORMER LAGOON SITE
Hamptonburgh, New York



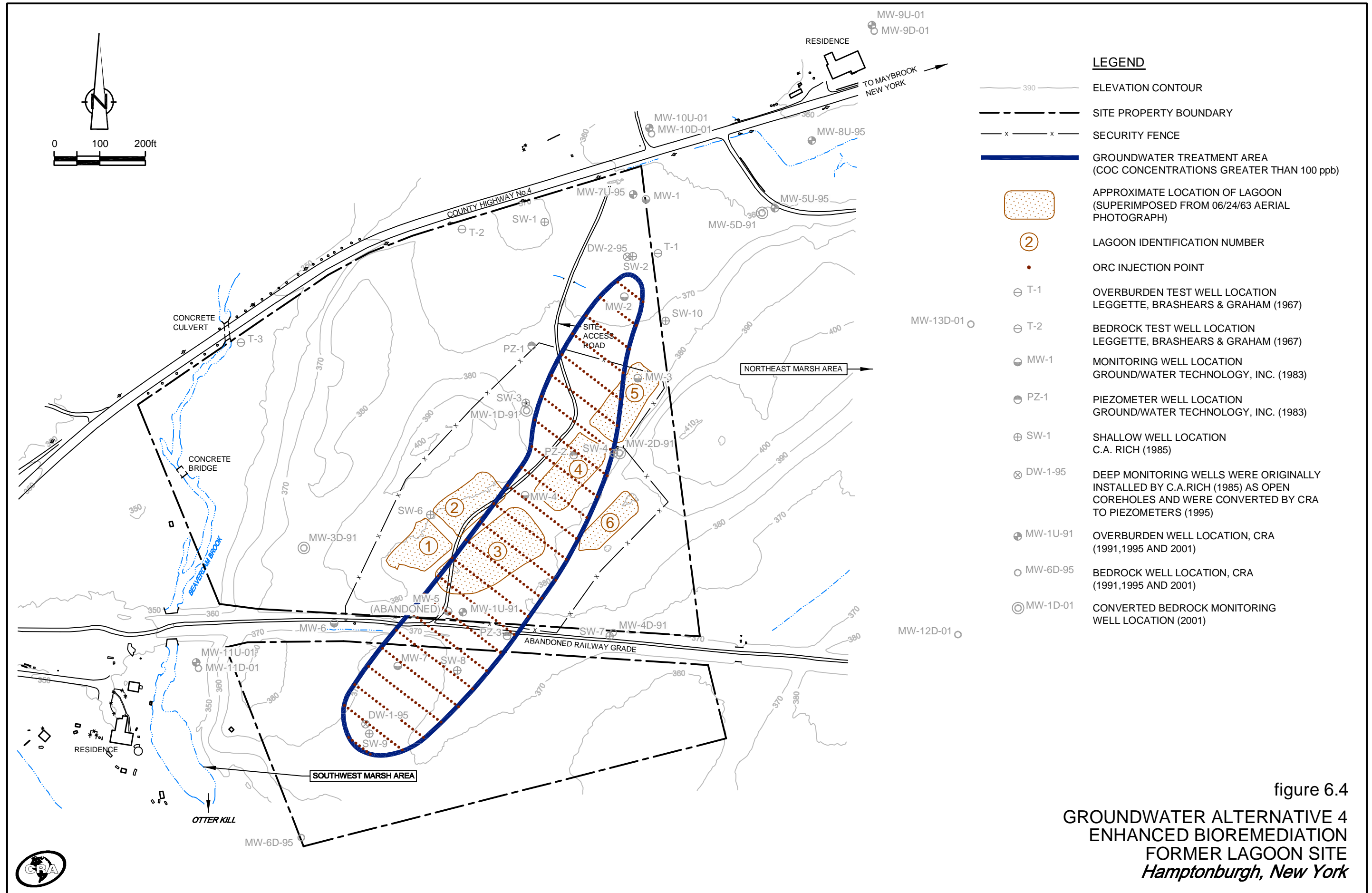


figure 6.4
**GROUNDWATER ALTERNATIVE 4
 ENHANCED BIOREMEDIATION
 FORMER LAGOON SITE
 Hamptonburgh, New York**

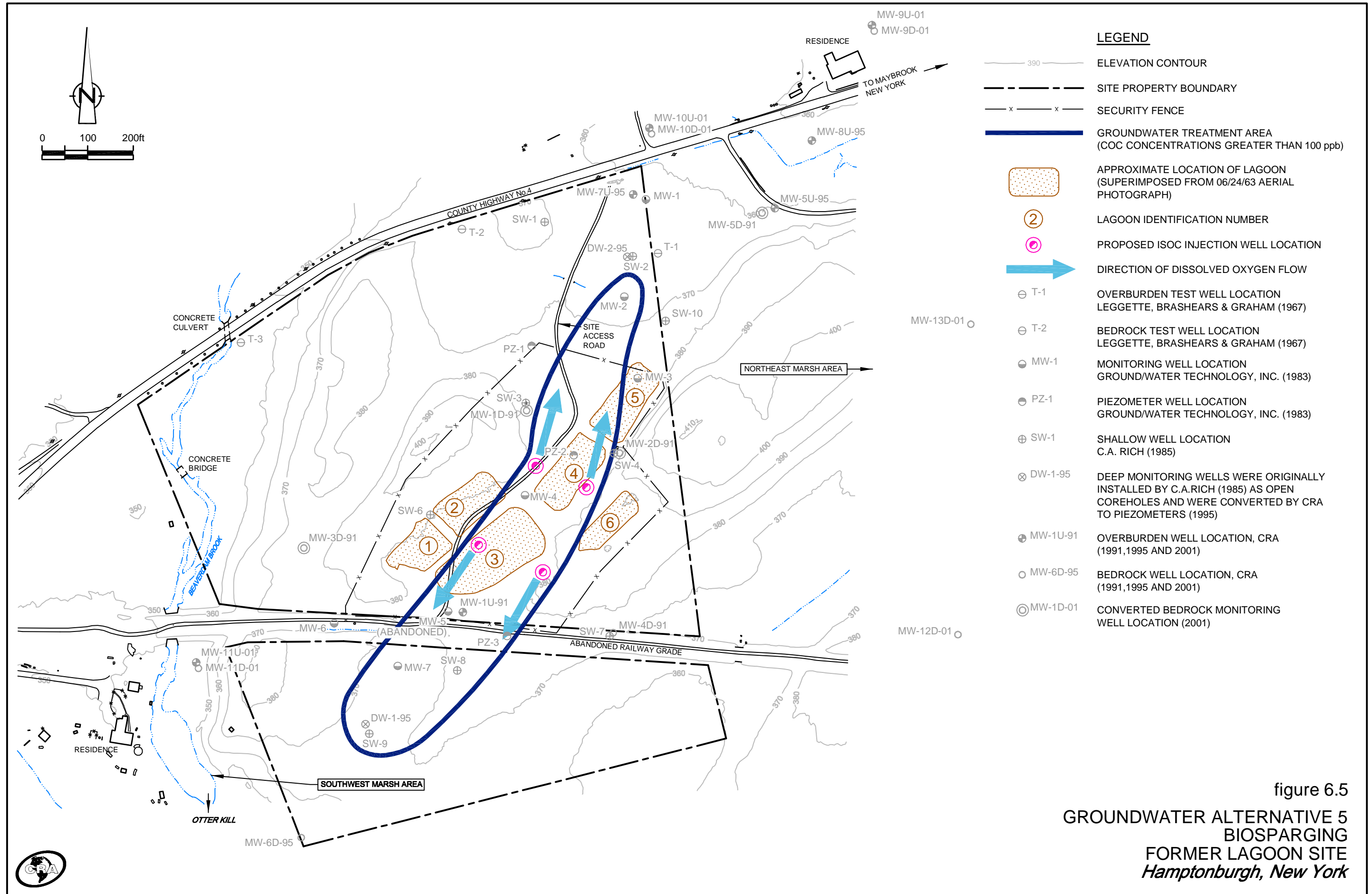


figure 6.5
**GROUNDWATER ALTERNATIVE 5
 BIOSPARING
 FORMER LAGOON SITE
 Hamptonburgh, New York**