

SOURCE: QUADRANGLE MAP UNCASVILLE, CONNECTICUT 1984.

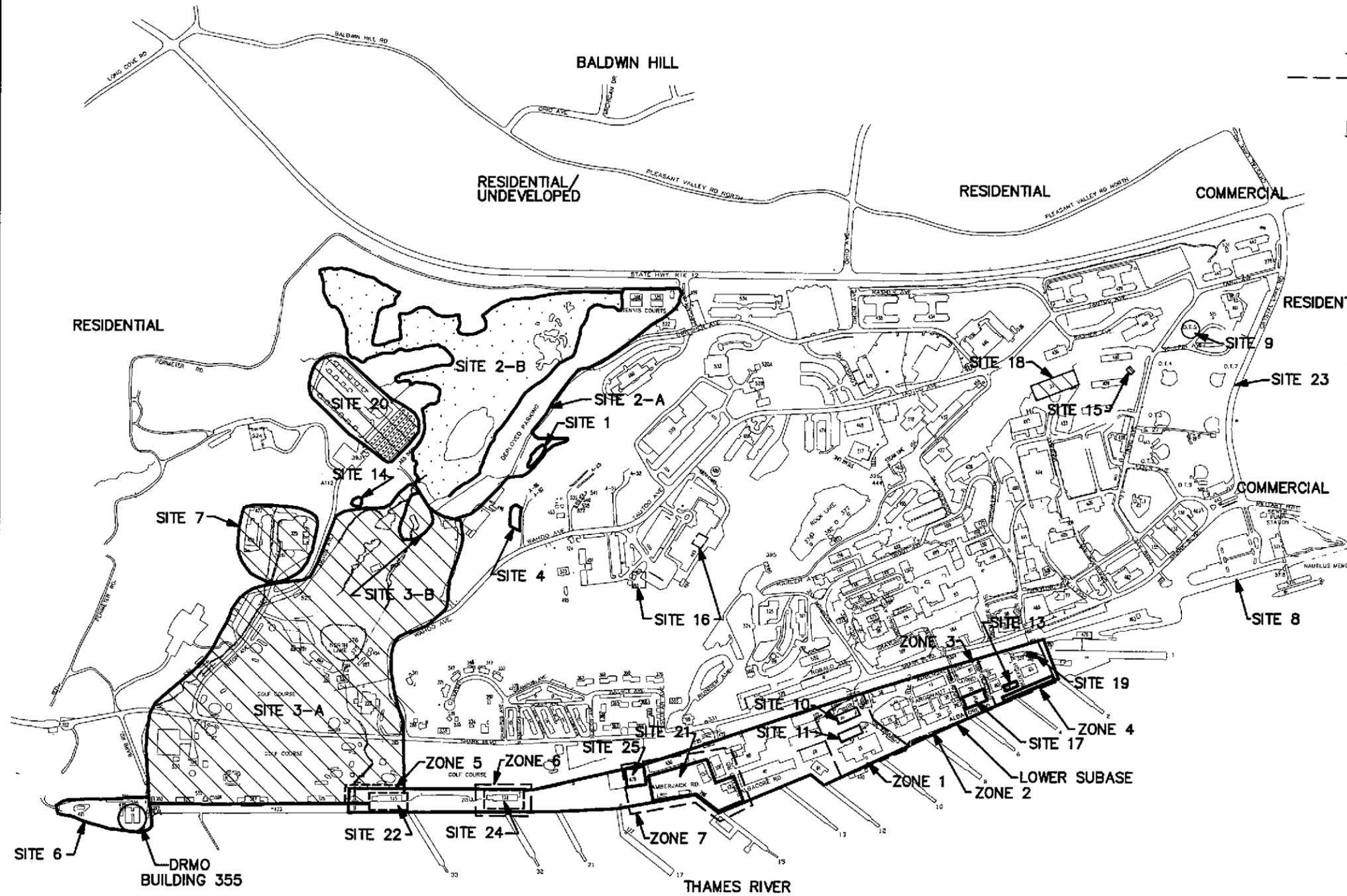


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SCALE AS NOTED	



LOCATION MAP
SITES 3, 7, 14, 15, 18, AND 20 GROUNDWATER
RECORD OF DECISION
NSB-NLON, GROTON, CONNECTICUT

CONTRACT NO. 4286	
OWNER NO. 0841	
APPROVED BY <i>CAZ</i>	DATE <i>8/2/04</i>
DRAWING NO. FIGURE 2-1	REV. 0

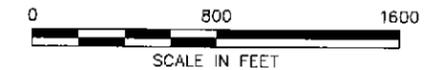


LEGEND:

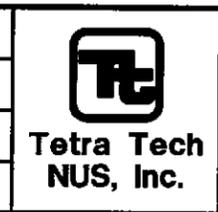
--- LOWER SUBBASE REMEDIAL INVESTIGATION ZONE BOUNDARY

NOTES:

- SITE AND STUDY AREA LOCATIONS WERE TAKEN FROM THE FOLLOWING REPORTS:
 - FEDERAL FACILITY AGREEMENT UNDER CERCLA 120, NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT
 - FINAL INITIAL ASSESSMENT STUDY (ENVRODYNE, MARCH 1983)
 - HYDROGEOLOGIC INVESTIGATION UNDERGROUND STORAGE TANKS OT-4, OT-7, OT-8, OT-9, AND 54-H (FUSS & O'NEILL, SEPTEMBER 1989)
 - PHASE I REMEDIAL INVESTIGATION (ATLANTIC, AUGUST 1992)
 - SITE CHARACTERIZATION REPORT FOR OT-10, BUILDING 325, AND BUILDING 89 (HNUS, APRIL 1995)
 - DRAFT FINAL SUPPLEMENT TO INITIAL ASSESSMENT STUDY (NAVAL FACILITIES ENGINEERING SERVICE CENTER, APRIL 1995)
 - REMOVAL SITE EVALUATION FOR QUAY WALL (HNUS, MAY 1995)
- SITE AND STUDY AREA BOUNDRIES ARE APPROXIMATE.
 - SITE 1 - CONSTRUCTION BATTALION UNIT (CBU) DRUM STORAGE AREA
 - SITE 2 - (A) AREA A LANDFILL AND (B) AREA A WETLAND
 - SITE 3 - (A) AREA A DOWNSTREAM WATER COURSES AND (B) OVERBANK DISPOSAL AREA (OBDA)
 - SITE 4 - RUBBLE FILL AREA AT BUNKER A-B6
 - SITE 6 - DEFENSE REUTILIZATION AND MARKETING OFFICE (DRMO)
 - SITE 7 - TORPEDO SHOPS
 - SITE 8 - GOSS COVE LANDFILL
 - SITE 9 - OILY WASTEWATER TANK (OT-5)
 - SITE 10 - LOWER SUBBASE-FUEL STORAGE TANKS AND TANK 54-H
 - SITE 11 - LOWER SUBBASE-POWER PLANT OIL TANKS
 - SITE 13 - LOWER SUBBASE-BUILDING 79 WASTE OIL PIT
 - SITE 14 - OVERBANK DISPOSAL AREA NORTHEAST (OBDANE)
 - SITE 15 - SPENT ACID STORAGE AND DISPOSAL AREA (SASDA)
 - SITE 16 - HOSPITAL INCINERATORS
 - SITE 17 - HAZARDOUS MATERIALS/SOLVENT STORAGE AREA (BUILDING 31)
 - SITE 18 - SOLVENT STORAGE AREA (BUILDING 33)
 - SITE 19 - SOLVENT STORAGE AREA (BUILDING 36)
 - SITE 20 - AREA A WEAPONS CENTER
 - SITE 21 - BERTH 16
 - SITE 22 - PIER 33
 - SITE 23 - FUEL FARM
 - SITE 24 - CENTRAL PAINT ACCUMULATION AREA (BUILDING 174)
 - SITE 25 - LOWER SUBBASE-CLASSIFIED MATERIALS INCINERATOR

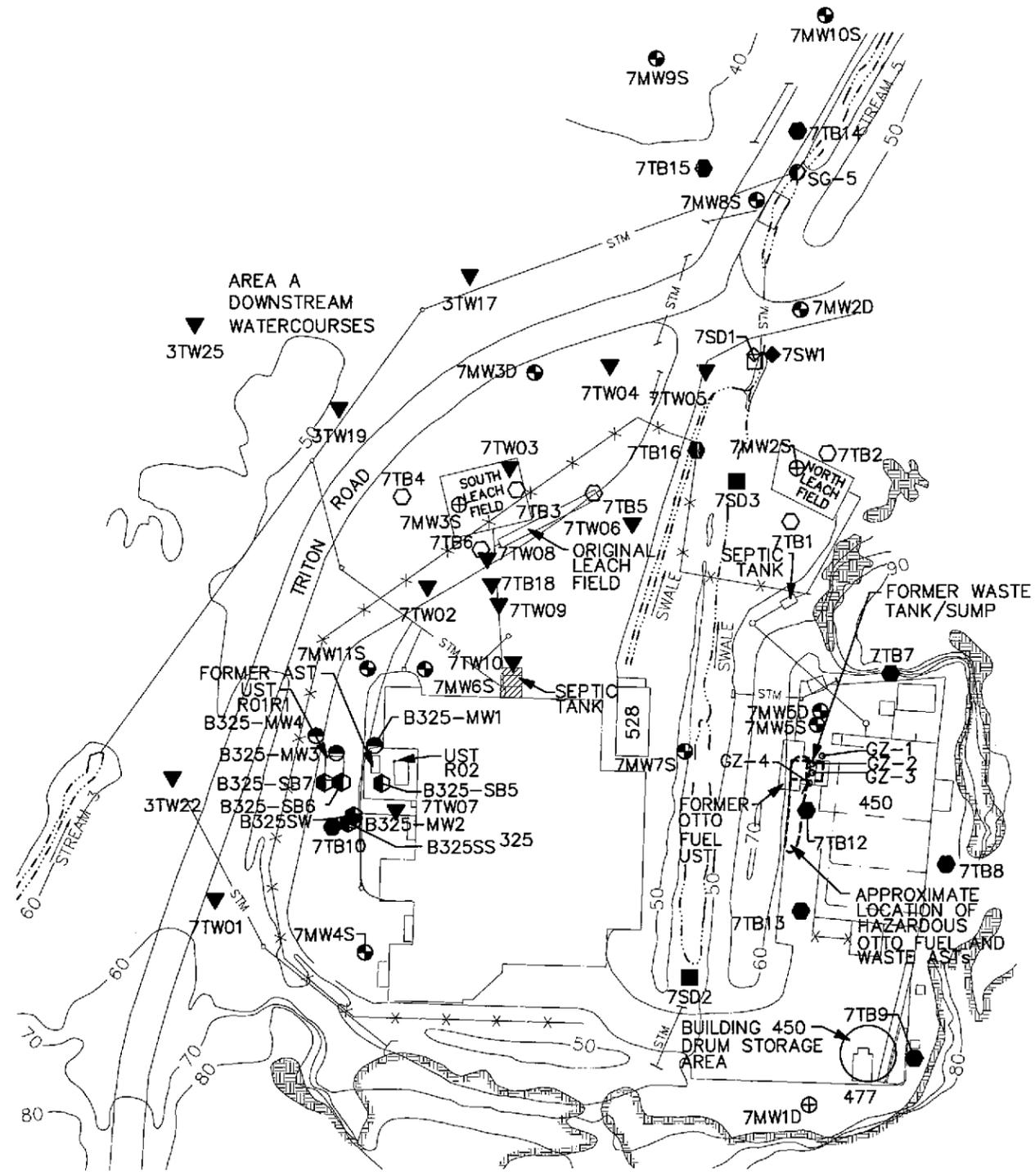
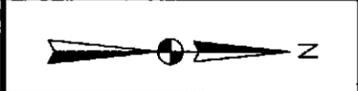


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SITE LOCATION MAP
SITES 3, 7, 14, 15, 18, AND 20 GROUNDWATER
RECORD OF DECISION
NSB-NLON, GROTON, CONNECTICUT

CONTRACT NO. 4286	
OWNER NO. 0841	
APPROVED BY <i>CAZ</i>	DATE 8/12/04
DRAWING NO. FIGURE 2-2	REV. 0

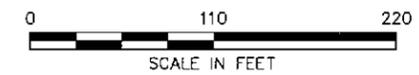


NOTES

1. UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE.
2. BASE MAP AND UTILITY INFORMATION FROM MAPS OF NSB-NLON AND PHASE II RI WORK PLAN.

LEGEND

- ⊕ 7MW2S PHASE I MONITORING WELL
- ⊕ 7MW7S PHASE II MONITORING WELL
- B325-MW1 SITE CHARACTERIZATION MONITORING WELL
- 7TB1 PHASE I TEST BORING
- 7TB12 PHASE II TEST BORING
- ⊕ B325-SB6 SITE CHARACTERIZATION SOIL BORING
- ◇ 7SW1 PHASE I EXISTING SURFACE WATER SAMPLE
- ◆ 7SW1 PHASE II SURFACE WATER SAMPLE
- 7SD1 PHASE I SEDIMENT SAMPLE
- 7SD3 PHASE II SEDIMENT SAMPLE
- SG-5 PHASE II STAFF GAUGE
- ▼ 7TB17 BGOURI TEST BORING LOCATION
- ▼ 7TW17 BGOURI TEMPORARY WELL
- 10 — TOPOGRAPHIC CONTOUR
- 123 BUILDING No.
- WATERCOURSE
- STM — STORM SEWER AND CATCH BASIN
- EXPOSED BEDROCK
- * * FENCE

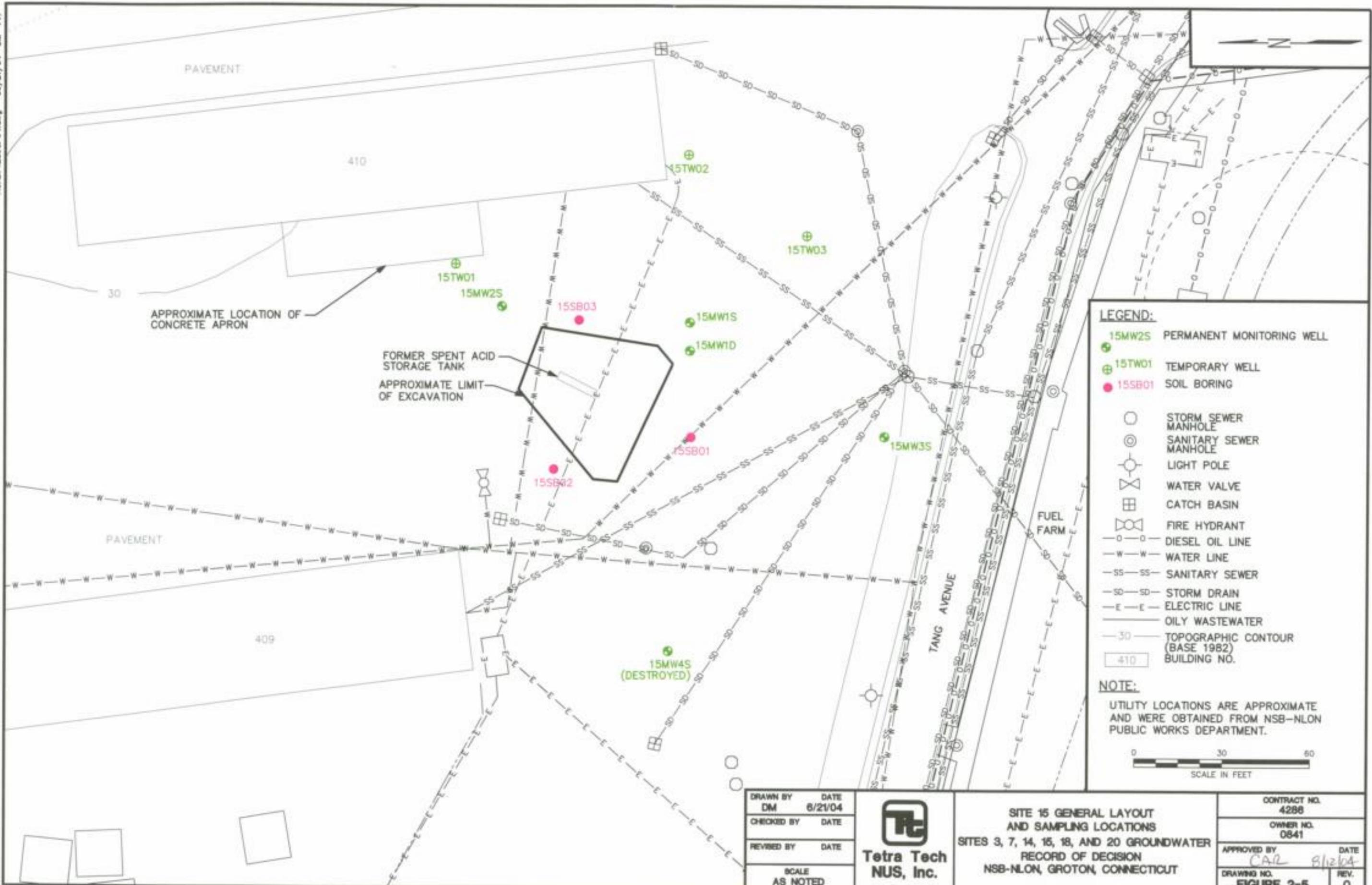


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SITE 7 GENERAL SITE LAYOUT AND SAMPLING LOCATIONS
SITES 3, 7, 14, 15, 18, AND 20 GROUNDWATER RECORD OF DECISION
 NSB-NLON, GROTON, CONNECTICUT

CONTRACT NO. 4286	
OWNER NO. 0841	
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DRAWING NO. FIGURE 2-4	REV. 0



APPROXIMATE LOCATION OF CONCRETE APRON

FORMER SPENT ACID STORAGE TANK
APPROXIMATE LIMIT OF EXCAVATION

LEGEND:

- 15MW2S PERMANENT MONITORING WELL
- 15TW01 TEMPORARY WELL
- 15SB01 SOIL BORING
- STORM SEWER MANHOLE
- ⊙ SANITARY SEWER MANHOLE
- ⊕ LIGHT POLE
- ⊗ WATER VALVE
- ⊞ CATCH BASIN
- ⊠ FIRE HYDRANT
- DIESEL OIL LINE
- W— WATER LINE
- SS— SANITARY SEWER
- SD— STORM DRAIN
- E— ELECTRIC LINE
- O— OILY WASTEWATER
- 30— TOPOGRAPHIC CONTOUR (BASE 1982)
- 410 BUILDING NO.

NOTE:
UTILITY LOCATIONS ARE APPROXIMATE AND WERE OBTAINED FROM NSB-NLON PUBLIC WORKS DEPARTMENT.

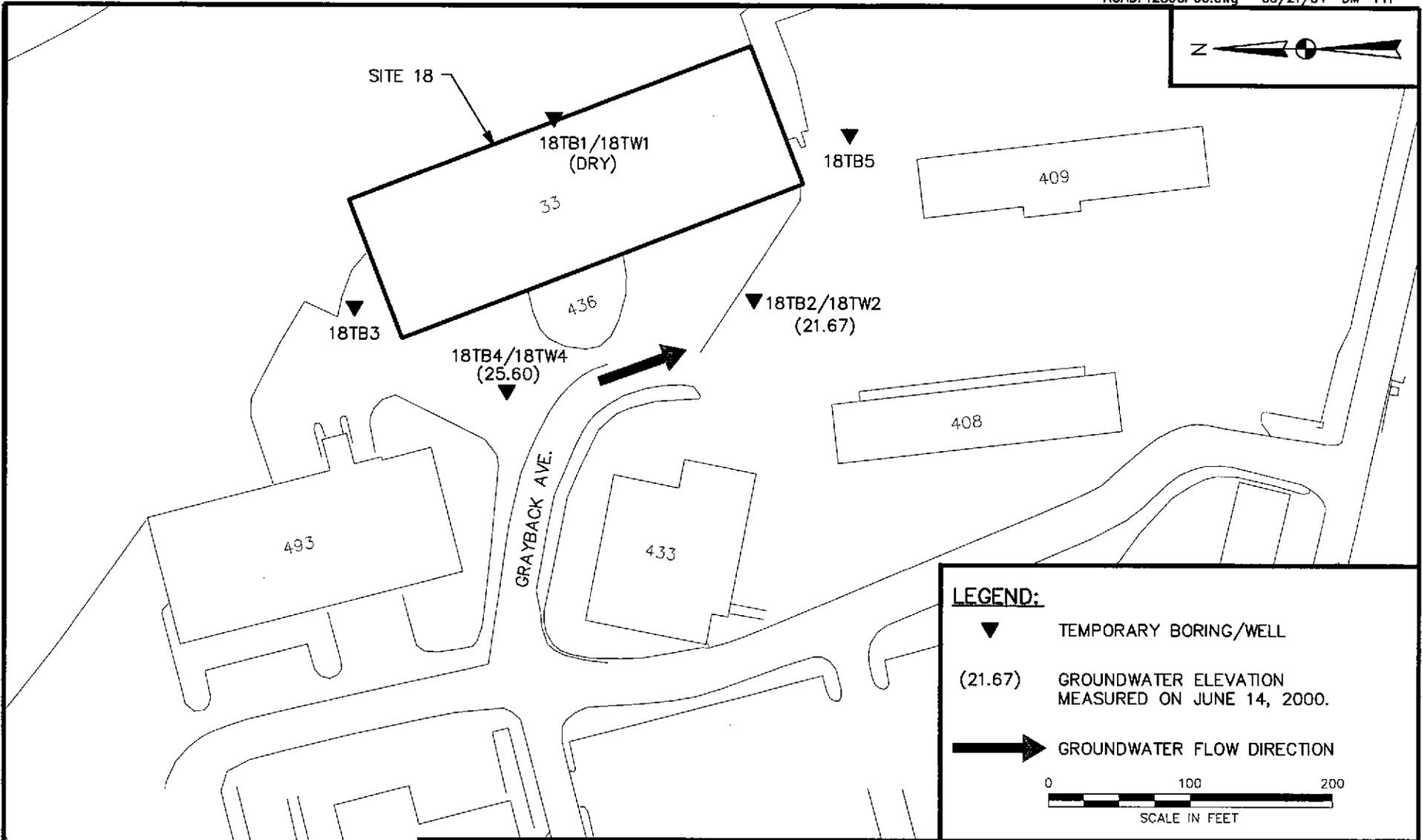
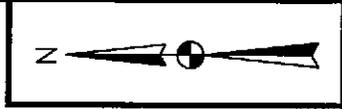
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SCALE IN FEET

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CHECKED BY	DATE
REVISED BY	DATE
SCALE AS NOTED	



SITE 15 GENERAL LAYOUT AND SAMPLING LOCATIONS
SITES 3, 7, 14, 15, 18, AND 20 GROUNDWATER
RECORD OF DECISION
NSB-NLON, GROTON, CONNECTICUT

CONTRACT NO. 4286	
OWNER NO. 0841	
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DRAWING NO. FIGURE 2-5	REV. 0



LEGEND:

- ▼ TEMPORARY BORING/WELL
- (21.67) GROUNDWATER ELEVATION MEASURED ON JUNE 14, 2000.
- ➔ GROUNDWATER FLOW DIRECTION

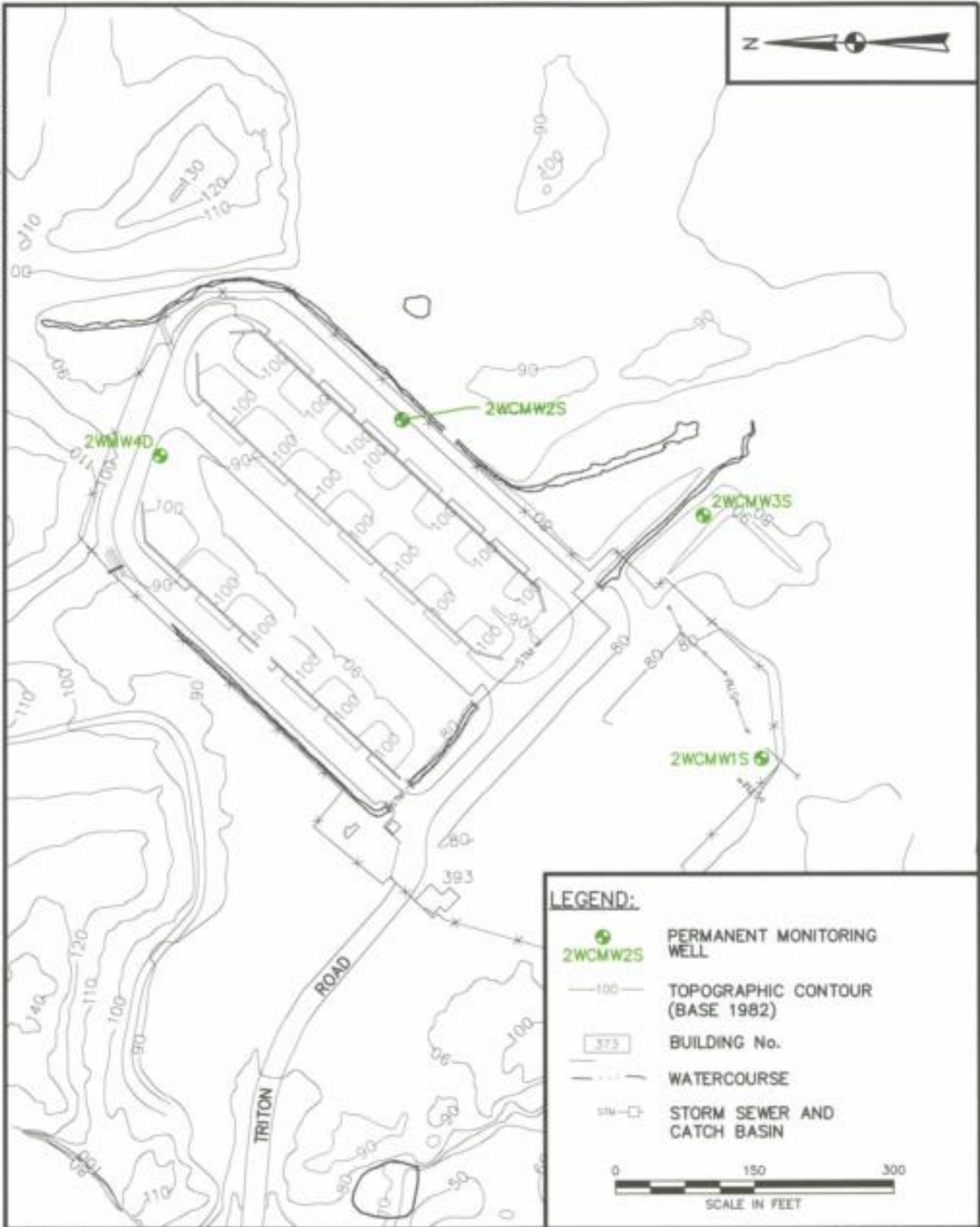
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REVISED BY	DATE
SCALE AS NOTED	



SITE 18 GENERAL LAYOUT
AND SAMPLE LOCATIONS
RECORD OF DECISION
SITES 3, 7, 14, 15, 18, AND 20 GROUNDWATER
NSB-NLON, GROTON, CONNECTICUT

CONTRACT NO. 4286	
OWNER NO. 0841	
APPROVED BY <i>CAR</i>	DATE 8/2/04
DRAWING NO. FIGURE 2-6	REV. 0



LEGEND:

- 2WCMW2S PERMANENT MONITORING WELL
- 100 — TOPOGRAPHIC CONTOUR (BASE 1982)
- 373 BUILDING No.
- - - - WATERCOURSE
- □ — STORM SEWER AND CATCH BASIN

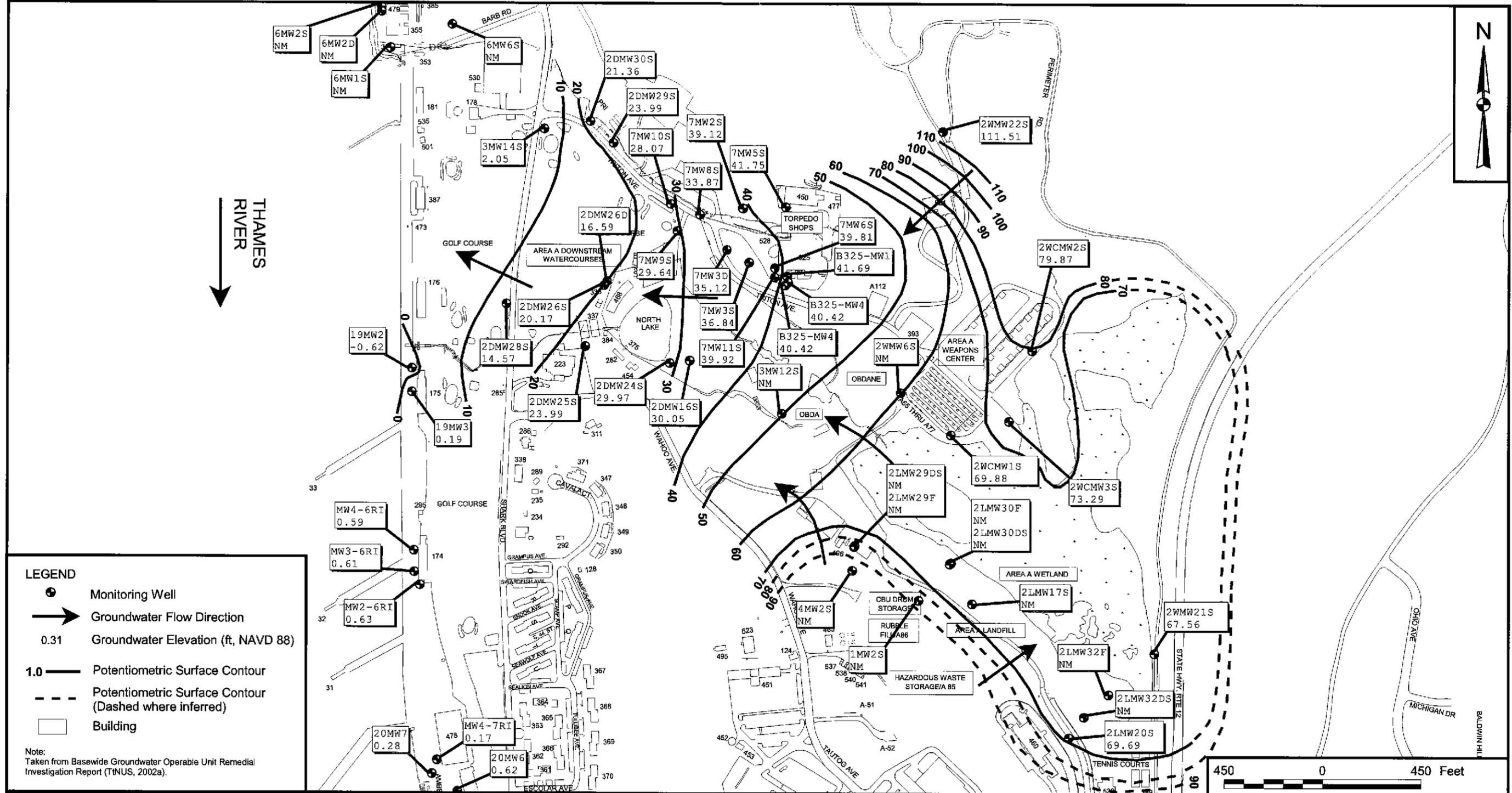
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SCALE IN FEET

DRAWN BY DM	DATE 6/21/04
CHECKED BY	DATE
REVISED BY	DATE
SCALE AS NOTED	



SITE 20 GENERAL SITE LAYOUT AND
SAMPLING LOCATIONS
SITES 3, 7, 14, 15, 18, AND 20 GROUNDWATER
RECORD OF DECISION
NSB-NLON, GROTON, CONNECTICUT

CONTRACT NO. 4286	
OWNER NO. 0841	
APPROVED BY <i>CAL</i>	DATE 8/12/04
DRAWING NO. FIGURE 2-7	REV. 0

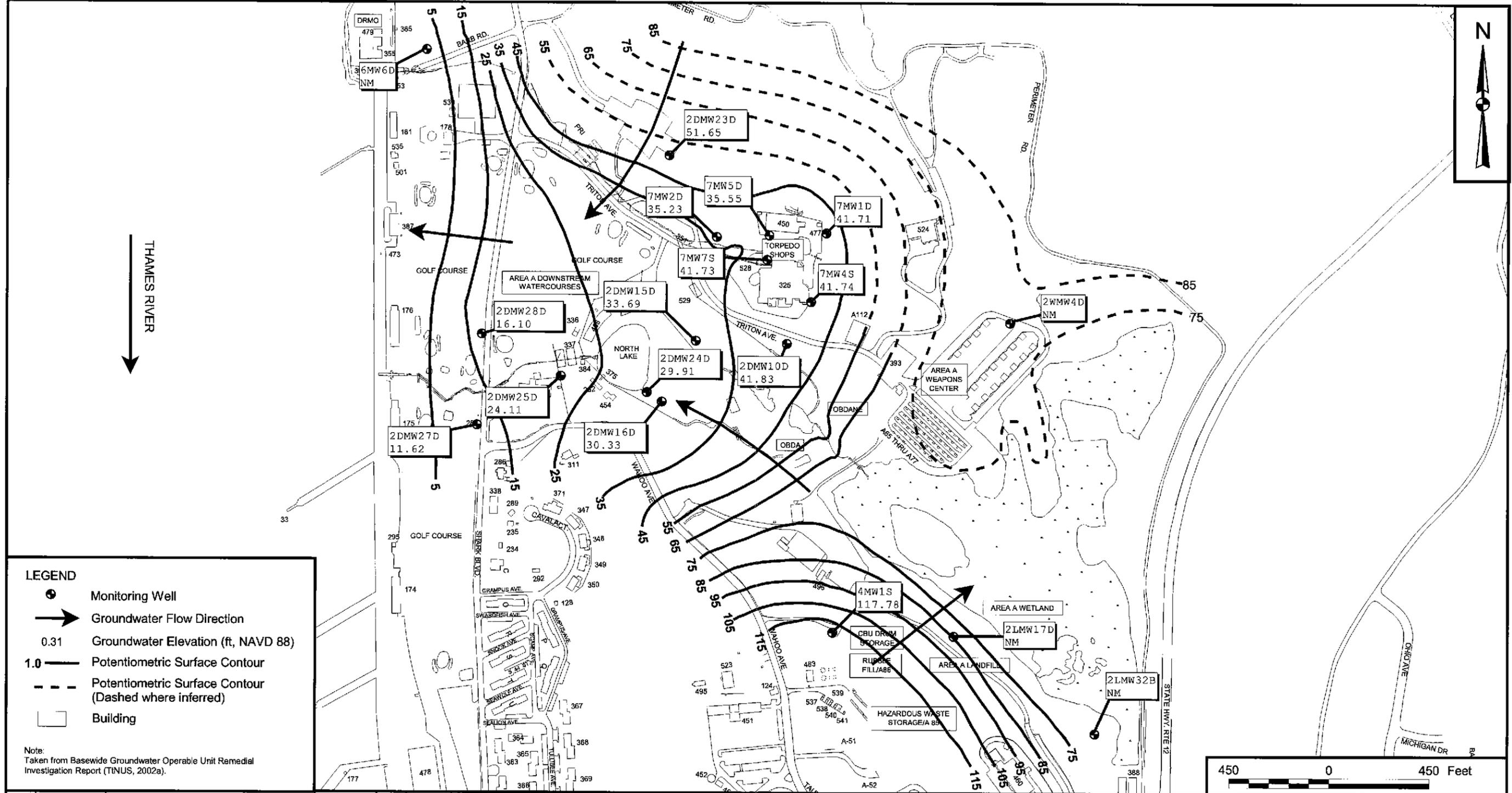


LEGEND

- Monitoring Well
- Groundwater Flow Direction
- 0.31 Groundwater Elevation (ft, NAVD 88)
- 1.0 — Potentiometric Surface Contour
- - - Potentiometric Surface Contour (Dashed where inferred)
- Building

Note:
Taken from Basewide Groundwater Operable Unit Remedial Investigation Report (TtNUS, 2002a).

NO.	DATE	REVISIONS	BY	CHKD	APPD	REFERENCES	DRAWN BY	DATE	Tetra Tech NUS, Inc.		CONTRACT NUMBER	OWNER NUMBER
							K. PEILA	4/13/04	SHALLOW OVERBURDEN POTENTIOMETRIC SURFACE MAP AUGUST 2000 NORTHERN REGION SITES 3, 7, 14, 15, 18, AND 20 GROUNDWATER RECORD OF DECISION NSB-NLON, GROTON, CONNECTICUT		4246	841
						C. RICH	4/13/04	APPROVED BY			DATE	
								C. RICH			8/12/04	
										APPROVED BY	DATE	
										DRAWING NO.	REV	
										FIGURE 2-8	0	

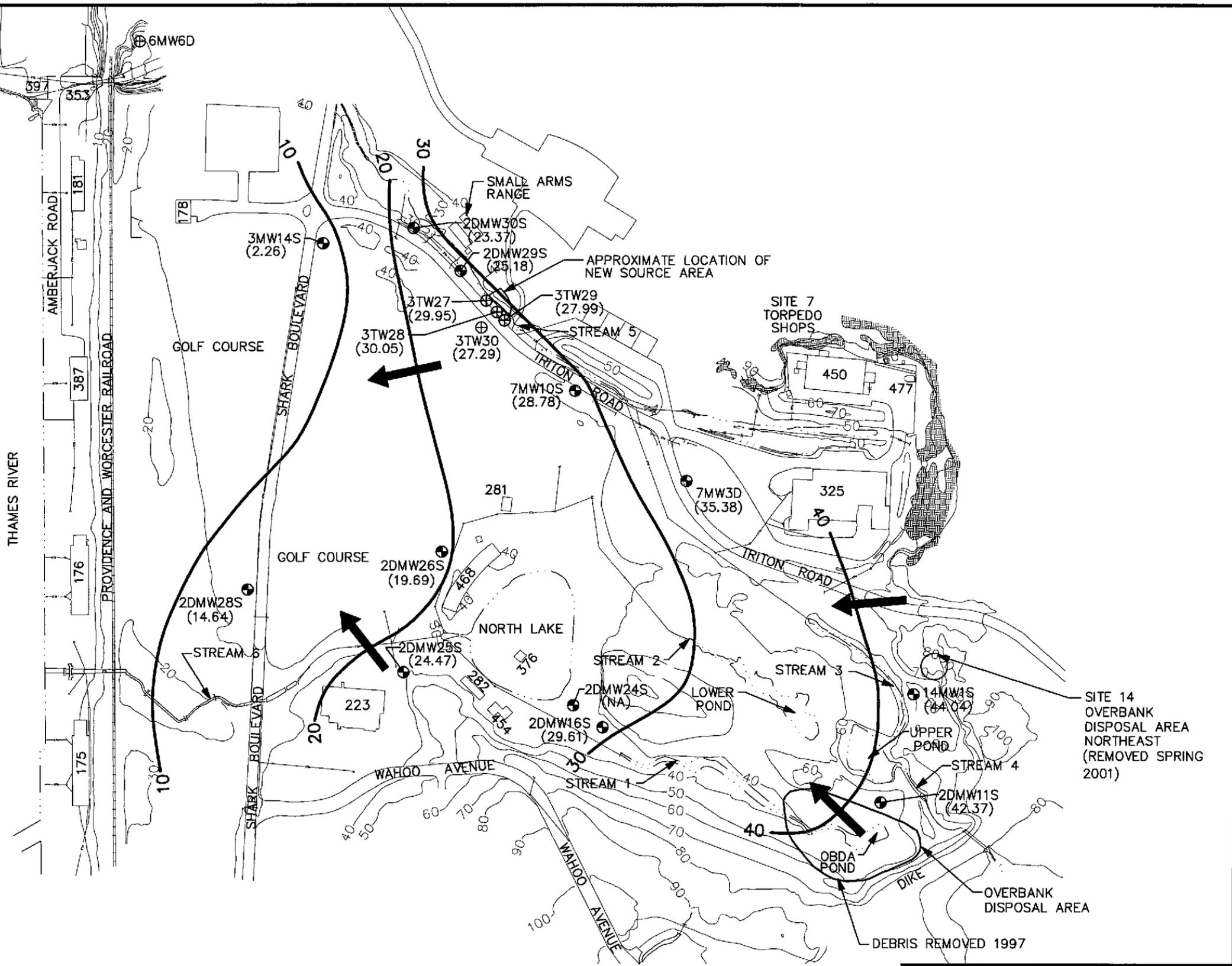


LEGEND

- Monitoring Well
- Groundwater Flow Direction
- 0.31 Groundwater Elevation (ft, NAVD 88)
- 1.0 Potentiometric Surface Contour
- Potentiometric Surface Contour (Dashed where inferred)
- Building

Note:
Taken from Basewide Groundwater Operable Unit Remedial Investigation Report (TINUS, 2002a).

NO.	DATE	REVISIONS	BY	CHKD	APPD	REFERENCES	DRAWN BY	DATE	Tetra Tech NUS, Inc.		CONTRACT NUMBER	OWNER NUMBER		
							K. PEILA	4/13/04	BEDROCK POTENTIOMETRIC SURFACE MAP AUGUST 2000 NORTHERN REGION SITES 3, 7, 14, 15, 18, AND 20 GROUNDWATER RECORD OF DECISION NSB-NLON, GROTON, CONNECTICUT		4286	841		
							C. RICH	4/13/04			APPROVED BY	DATE		
											APPROVED BY	DATE		
									SCALE		DRAWING NO.	REV		
									AS NOTED		FIGURE 2-9	0		



LEGEND:

- PERMANENT MONITORING WELL
2DMW30S
- ⊕ TEMPORARY MONITORING WELL
3TW27
- 40 — POTENTIOMETRIC SURFACE CONTOUR
OCTOBER 2002
(42.37) GROUNDWATER ELEVATION (FT.) MEASURED
10-24-02 (VERTICAL DATUM IS NAVD 88)
- ➔ GROUNDWATER FLOW DIRECTION
- 10— TOPOGRAPHIC CONTOUR
- 123 BUILDING No.
- — WATERCOURSE
- S— STORM SEWER AND
CATCH BASIN
- EXPOSED BEDROCK

NOTE:
TAKEN FROM BASEWIDE GROUNDWATER
OPERABLE UNIT REMEDIAL INVESTIGATION
UPDATE/FEASIBILITY STUDY (TTNUS, 2004).

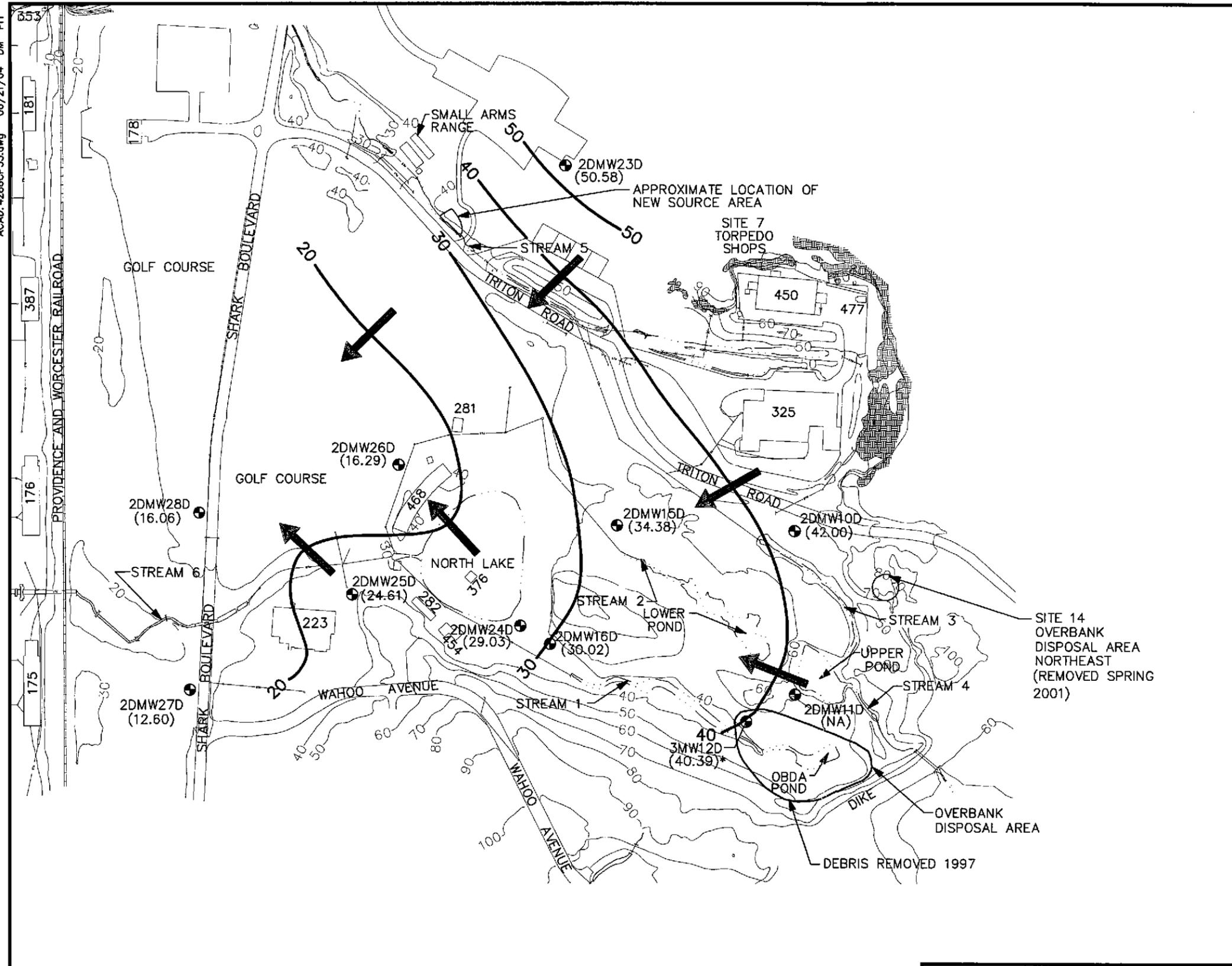
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SCALE IN FEET

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SCALE AS NOTED	



SHALLOW OVERBURDEN
POTENTIOMETRIC SURFACE MAP
FOR SITES 3 AND 14
OCTOBER 2002
SITES 3, 7, 14, 15, 18, AND 20 GROUNDWATER
RECORD OF DECISION
NSB-NLON, GROTON, CONNECTICUT

CONTRACT NO. 4286	
OWNER NO. 0841	
APPROVED BY CAL	DATE 8/12/04
DRAWING NO. FIGURE 2-10	REV. 0



LEGEND:

- PERMANENT MONITORING WELL
- 2DMW23D
- 20 — POTENTIOMETRIC SURFACE CONTOUR OCTOBER 2002
- (30.02) GROUNDWATER ELEVATION (FT.) MEASURED 10-24-02 (VERTICAL DATUM IS NAVD 88)
- GROUNDWATER FLOW DIRECTION
- 10— TOPOGRAPHIC CONTOUR
- BUILDING No.
- WATERCOURSE
- STORM SEWER AND CATCH BASIN
- EXPOSED BEDROCK

NOTES:

1. * GROUNDWATER MONITORING WELL 3MW12D INSTALLED 10/24/02. GROUNDWATER ELEVATION MEASURED 12/04/02.
2. TAKEN FROM BASEWIDE GROUNDWATER OPERABLE UNIT REMEDIAL INVESTIGATION UPDATE/FEASIBILITY STUDY (TINUS, 2004).

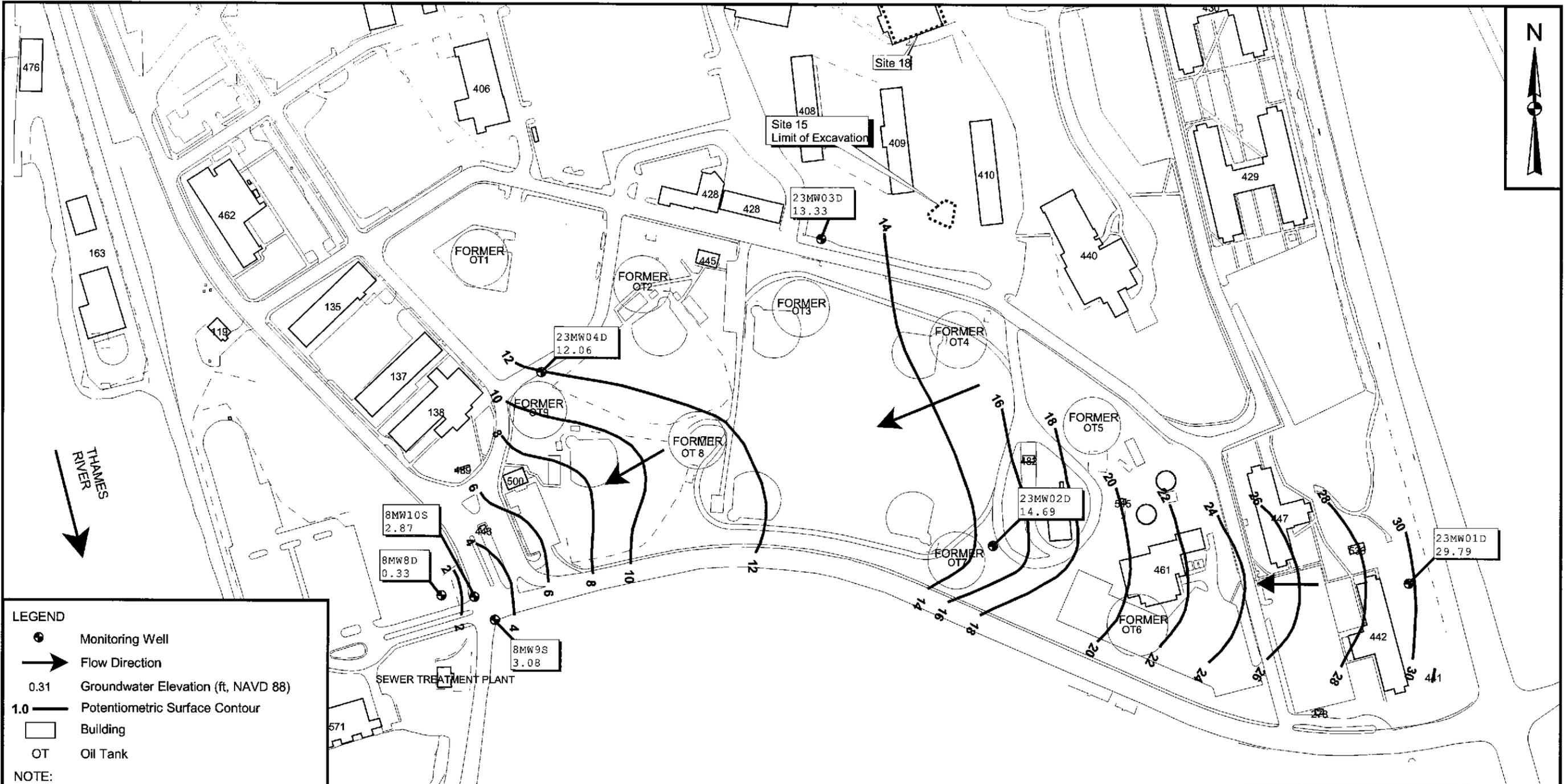
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SCALE IN FEET

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DM	6/18/04
CHECKED BY	DATE
REVISIED BY	DATE
SCALE AS NOTED	



**BEDROCK POTENTIOMETRIC SURFACE MAP
FOR SITES 3 AND 14
OCTOBER 2002
SITES 3, 7, 14, 15, 18, AND 20 GROUNDWATER
RECORD OF DECISION
NSB-NLON, GROTON, CONNECTICUT**

CONTRACT NO. 4286	
OWNER NO. 0841	
APPROVED BY <i>CRN</i>	DATE 8/12/04
DRAWING NO. FIGURE 2-11	REV. 0

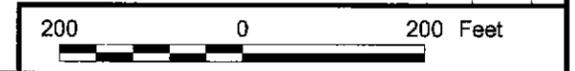


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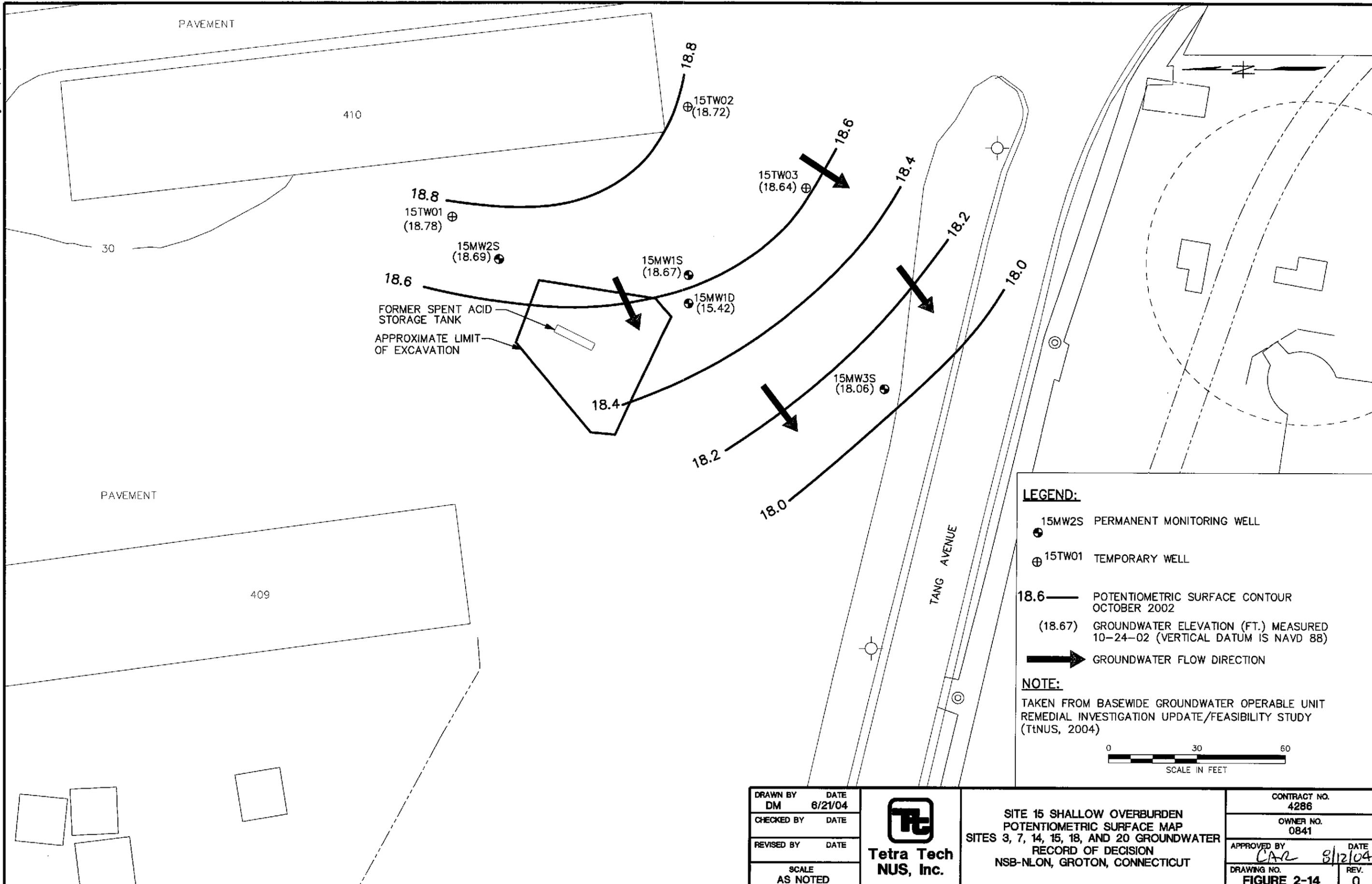
- Monitoring Well
- ➔ Flow Direction
- 0.31 Groundwater Elevation (ft, NAVD 88)
- 1.0 Potentiometric Surface Contour
- Building
- OT Oil Tank

NOTE:

1. Taken from Basewide Groundwater Operable Unit Remedial Investigation Report (TtNUS, 2002a).



NO.	DATE	REVISIONS	BY	CHKD	APPD	REFERENCES	DRAWN BY	DATE	Tetra Tech NUS, Inc.		CONTRACT NUMBER	OWNER NUMBER		
							K. PEILA	4/5/04	BEDROCK POTENTIOMETRIC SURFACE MAP AUGUST 2000 SOUTHERN REGION SITES 3, 7, 14, 15, 18, AND 20 GROUNDWATER RECORD OF DECISION NSB-NLON, GROTON, CONNECTICUT		4286	841		
							C. RICH	4/5/04			APPROVED BY	DATE		
											CAR	8/12/04		
											APPROVED BY	DATE		
											DRAWING NO.	REV		
											FIGURE 2-13	0		



LEGEND:

- 15MW2S PERMANENT MONITORING WELL
- ⊕ 15TW01 TEMPORARY WELL
- 18.6 — POTENTIOMETRIC SURFACE CONTOUR OCTOBER 2002
- (18.67) GROUNDWATER ELEVATION (FT.) MEASURED 10-24-02 (VERTICAL DATUM IS NAVD 88)
- ➔ GROUNDWATER FLOW DIRECTION

NOTE:

TAKEN FROM BASEWIDE GROUNDWATER OPERABLE UNIT REMEDIAL INVESTIGATION UPDATE/FEASIBILITY STUDY (TtNUS, 2004)

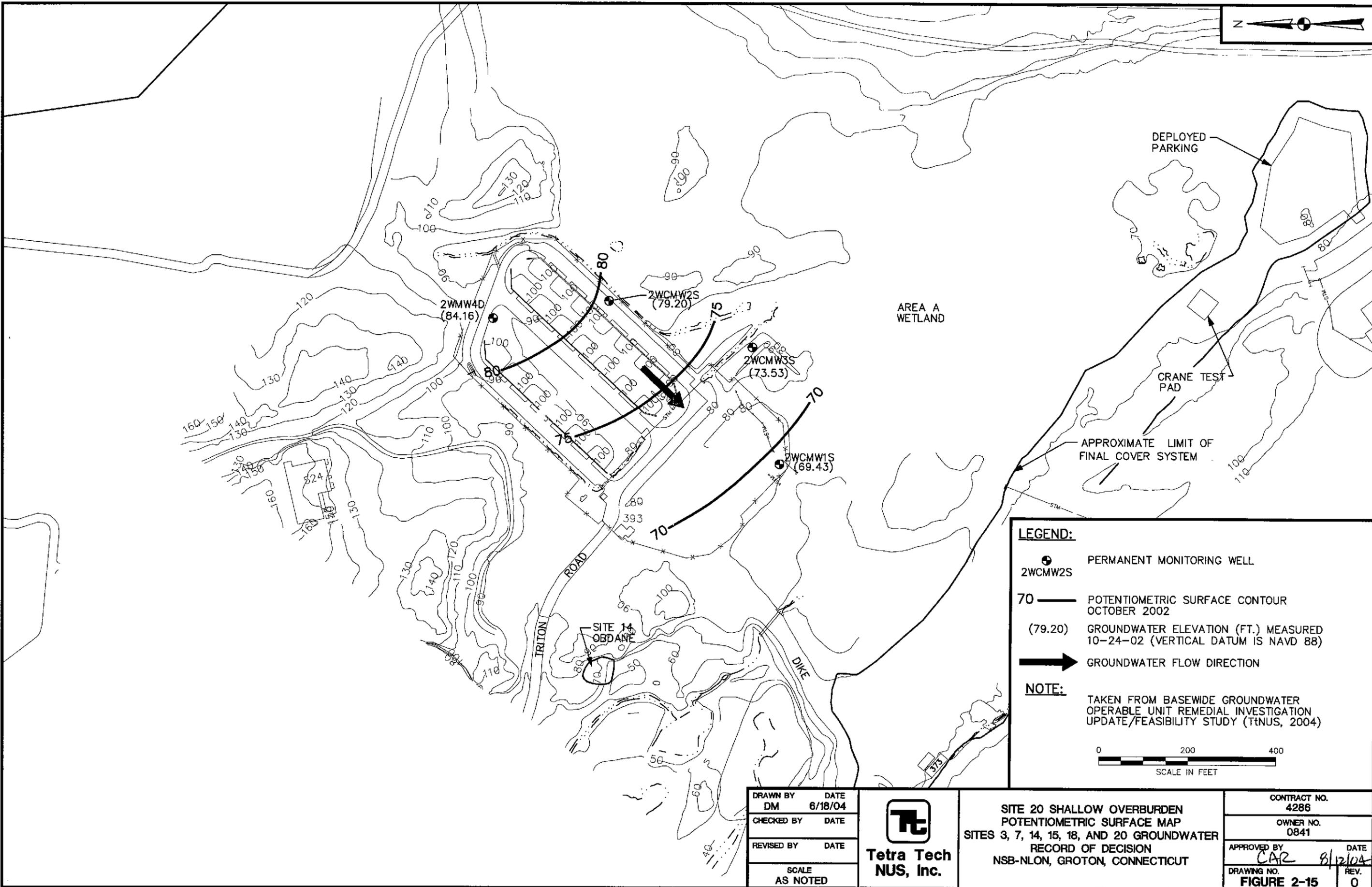


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REVISOR	DATE
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**SITE 15 SHALLOW OVERBURDEN
POTENTIOMETRIC SURFACE MAP
SITES 3, 7, 14, 15, 18, AND 20 GROUNDWATER
RECORD OF DECISION
NSB-NLON, GROTON, CONNECTICUT**

CONTRACT NO. 4286	
OWNER NO. 0841	
APPROVED BY <i>CAR</i>	DATE 8/12/04
DRAWING NO. FIGURE 2-14	REV. 0



LEGEND:

- PERMANENT MONITORING WELL
- 2WCMW2S
- 70 — POTENTIOMETRIC SURFACE CONTOUR OCTOBER 2002
- (79.20) GROUNDWATER ELEVATION (FT.) MEASURED 10-24-02 (VERTICAL DATUM IS NAVD 88)
- ➔ GROUNDWATER FLOW DIRECTION

NOTE:

TAKEN FROM BASEWIDE GROUNDWATER OPERABLE UNIT REMEDIAL INVESTIGATION UPDATE/FEASIBILITY STUDY (TtNUS, 2004)

0 200 400
SCALE IN FEET

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REVISED BY	DATE
SCALE AS NOTED	



**SITE 20 SHALLOW OVERBURDEN
POTENTIOMETRIC SURFACE MAP
SITES 3, 7, 14, 15, 18, AND 20 GROUNDWATER
RECORD OF DECISION
NSB-NLON, GROTON, CONNECTICUT**

CONTRACT NO. 4286	
OWNER NO. 0841	
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DRAWING NO. FIGURE 2-15	REV. 0



3MW14S (10/15/2002)	
VOLATILE ORGANICS	(UG/L)
1,1,2-TRICHLOROETHANE	1 U
TRICHLOROETHENE	1 U
VINYL CHLORIDE	1 U
SEMIVOLATILE ORGANICS	(UG/L)
BENZO(A)PYRENE	0.2 U
DIBENZO(A,H)ANTHRACENE	0.2 U
INDENO(1,2,3-CD)PYRENE	0.2 U
PESTICIDES/PCBS	(UG/L)
ALPHA-BHC	NA
INORGANICS	(UG/L)
ARSENIC	1.2 U
ARSENIC, FILTERED	1.2 U

2DMW30S (10/15/2002)	
VOLATILE ORGANICS	(UG/L)
1,1,2-TRICHLOROETHANE	1 U
TRICHLOROETHENE	0.5 J
VINYL CHLORIDE	1 U
SEMIVOLATILE ORGANICS	(UG/L)
BENZO(A)PYRENE	0.2 U
DIBENZO(A,H)ANTHRACENE	0.2 U
INDENO(1,2,3-CD)PYRENE	0.2 U
PESTICIDES/PCBS	(UG/L)
ALPHA-BHC	NA
INORGANICS	(UG/L)
ARSENIC	2.0 J
ARSENIC, FILTERED	2.0 J

2DMW23D (10/16/2002)	
VOLATILE ORGANICS	(UG/L)
1,1,2-TRICHLOROETHANE	1 U
TRICHLOROETHENE	1 U
VINYL CHLORIDE	1 U
SEMIVOLATILE ORGANICS	(UG/L)
BENZO(A)PYRENE	0.2 U
DIBENZO(A,H)ANTHRACENE	0.2 U
INDENO(1,2,3-CD)PYRENE	0.2 U
PESTICIDES/PCBS	(UG/L)
ALPHA-BHC	NA
INORGANICS	(UG/L)
ARSENIC	1.2 U
ARSENIC, FILTERED	1.2 U

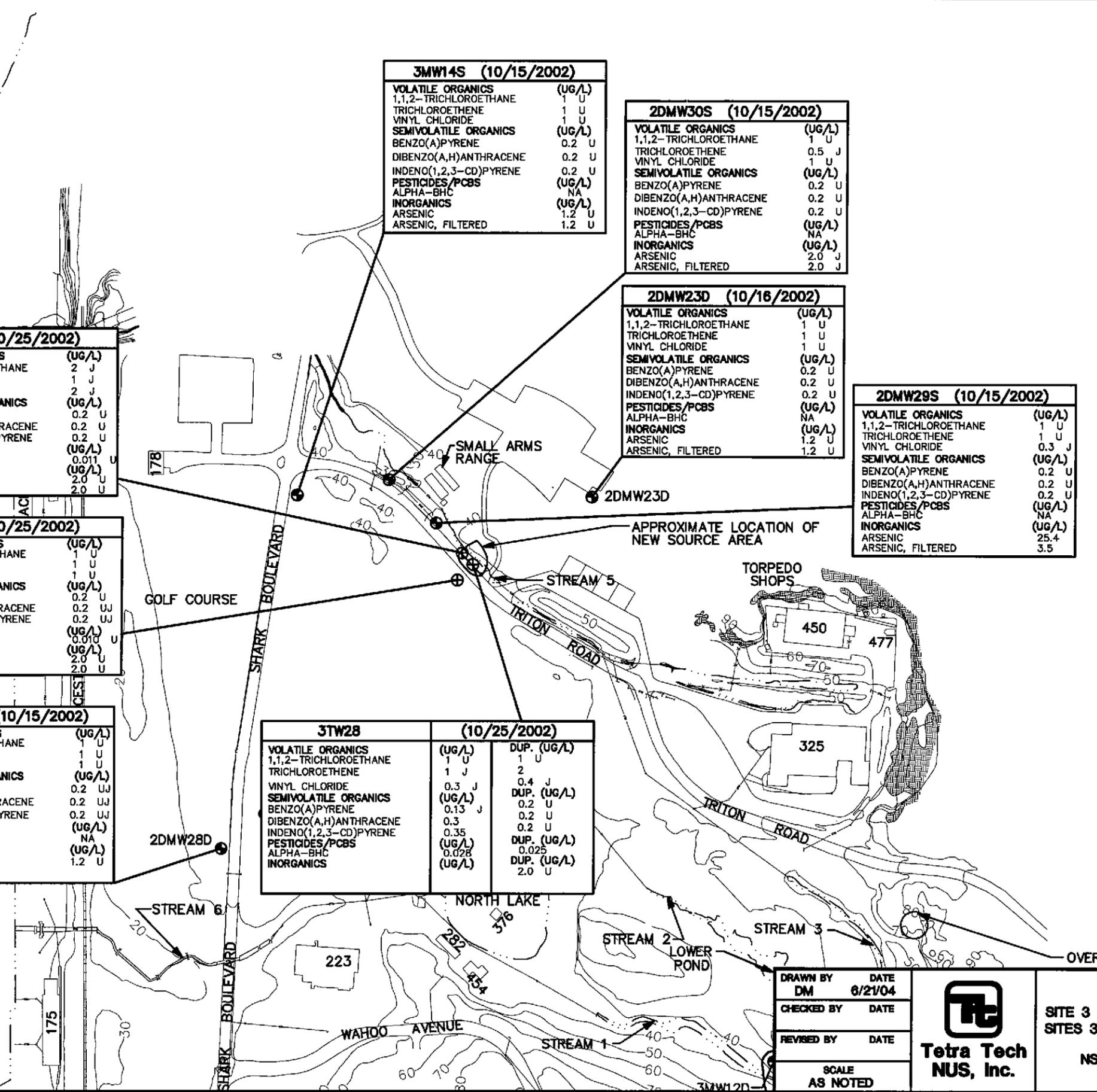
2DMW29S (10/15/2002)	
VOLATILE ORGANICS	(UG/L)
1,1,2-TRICHLOROETHANE	1 U
TRICHLOROETHENE	1 U
VINYL CHLORIDE	0.3 J
SEMIVOLATILE ORGANICS	(UG/L)
BENZO(A)PYRENE	0.2 U
DIBENZO(A,H)ANTHRACENE	0.2 U
INDENO(1,2,3-CD)PYRENE	0.2 U
PESTICIDES/PCBS	(UG/L)
ALPHA-BHC	NA
INORGANICS	(UG/L)
ARSENIC	25.4 J
ARSENIC, FILTERED	3.5

3TW27 (10/25/2002)	
VOLATILE ORGANICS	(UG/L)
1,1,2-TRICHLOROETHANE	2 J
TRICHLOROETHENE	1 J
VINYL CHLORIDE	2 J
SEMIVOLATILE ORGANICS	(UG/L)
BENZO(A)PYRENE	0.2 U
DIBENZO(A,H)ANTHRACENE	0.2 U
INDENO(1,2,3-CD)PYRENE	0.2 U
PESTICIDES/PCBS	(UG/L)
ALPHA-BHC	0.011 U
INORGANICS	(UG/L)
ARSENIC	2.0 U
ARSENIC, FILTERED	2.0 U

3TW30 (10/25/2002)	
VOLATILE ORGANICS	(UG/L)
1,1,2-TRICHLOROETHANE	1 U
TRICHLOROETHENE	1 U
VINYL CHLORIDE	1 U
SEMIVOLATILE ORGANICS	(UG/L)
BENZO(A)PYRENE	0.2 U
DIBENZO(A,H)ANTHRACENE	0.2 UJ
INDENO(1,2,3-CD)PYRENE	0.2 UJ
PESTICIDES/PCBS	(UG/L)
ALPHA-BHC	0.010 U
INORGANICS	(UG/L)
ARSENIC	2.0 U
ARSENIC, FILTERED	2.0 U

2DMW28D (10/15/2002)	
VOLATILE ORGANICS	(UG/L)
1,1,2-TRICHLOROETHANE	1 U
TRICHLOROETHENE	1 U
VINYL CHLORIDE	1 U
SEMIVOLATILE ORGANICS	(UG/L)
BENZO(A)PYRENE	0.2 UJ
DIBENZO(A,H)ANTHRACENE	0.2 UJ
INDENO(1,2,3-CD)PYRENE	0.2 UJ
PESTICIDES/PCBS	(UG/L)
ALPHA-BHC	NA
INORGANICS	(UG/L)
ARSENIC	1.2 U

3TW28 (10/25/2002)		
VOLATILE ORGANICS	(UG/L)	DUP. (UG/L)
1,1,2-TRICHLOROETHANE	1 U	1 U
TRICHLOROETHENE	1 J	2
VINYL CHLORIDE	0.3 J	0.4 J
SEMIVOLATILE ORGANICS	(UG/L)	DUP. (UG/L)
BENZO(A)PYRENE	0.13 J	0.2 U
DIBENZO(A,H)ANTHRACENE	0.3	0.2 U
INDENO(1,2,3-CD)PYRENE	0.35	0.2 U
PESTICIDES/PCBS	(UG/L)	DUP. (UG/L)
ALPHA-BHC	0.028	0.025
INORGANICS	(UG/L)	DUP. (UG/L)
		2.0 U



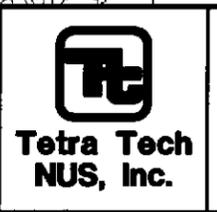
LEGEND:

- ⊕ 3TW27 TEMPORARY MONITORING WELL
- 2DMW23D PERMANENT MONITORING WELL
- J ESTIMATED
- U NON-DETECT
- UG/L MICROGRAMS PER LITER
- NA NOT ANALYZED
- 10— TOPOGRAPHIC CONTOUR (BASE 1982)
- 123 BUILDING No.
- — — WATERCOURSE
- STM— STORM SEWER AND CATCH BASIN
- ⊞ EXPOSED BEDROCK

NOTE:
TAKEN FROM BASEWIDE GROUNDWATER OPERABLE UNIT REMEDIAL INVESTIGATION UPDATE/FEASIBILITY STUDY (TINUS, 2004).

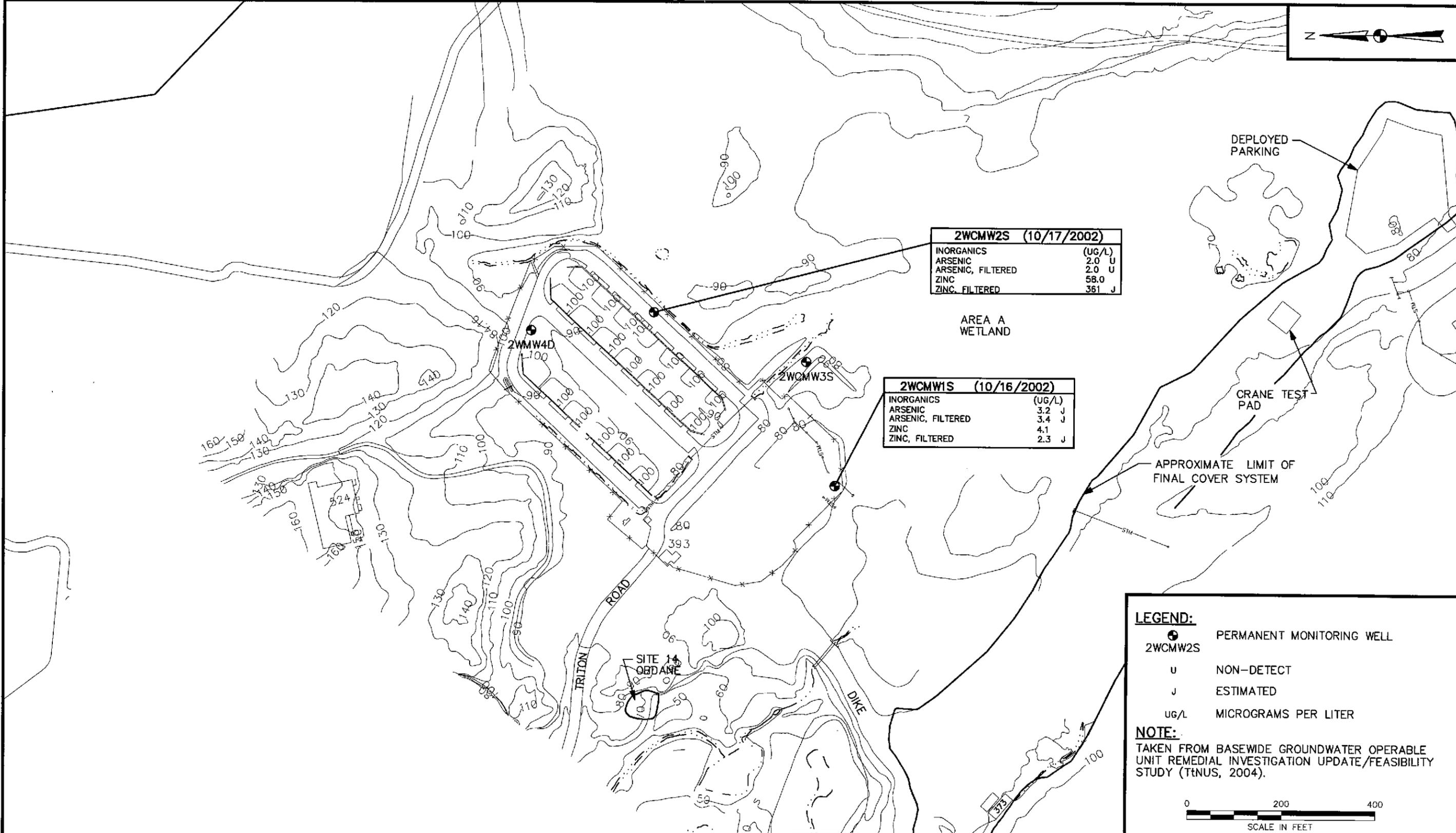
0 250 500
SCALE IN FEET

DRAWN BY	DATE
DM	6/21/04
CHECKED BY	DATE
REVISED BY	DATE
SCALE	AS NOTED



**SITE 3 SUMMARY OF GROUNDWATER COPCs
SITES 3, 7, 14, 15, 18, AND 20 GROUNDWATER
RECORD OF DECISION
NSB-NLON, GROTON, CONNECTICUT**

CONTRACT NO. 4286	
OWNER NO. 0841	
APPROVED BY CAN	DATE 9/12/04
DRAWING NO. FIGURE 2-16	REV. 0



2WCMW2S (10/17/2002)	
INORGANICS	(UG/L)
ARSENIC	2.0 U
ARSENIC, FILTERED	2.0 U
ZINC	58.0
ZINC, FILTERED	361 J

AREA A WETLAND

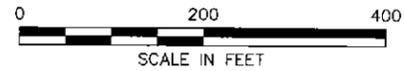
2WCMW3S (10/16/2002)	
INORGANICS	(UG/L)
ARSENIC	3.2 J
ARSENIC, FILTERED	3.4 J
ZINC	4.1
ZINC, FILTERED	2.3 J

LEGEND:

- PERMANENT MONITORING WELL
- 2WCMW2S
- U NON-DETECT
- J ESTIMATED
- UG/L MICROGRAMS PER LITER

NOTE:

TAKEN FROM BASEWIDE GROUNDWATER OPERABLE UNIT REMEDIAL INVESTIGATION UPDATE/FEASIBILITY STUDY (TINUS, 2004).



DRAWN BY	DATE
DM	6/21/04
CHECKED BY	DATE
REVISOR	DATE
SCALE	AS NOTED

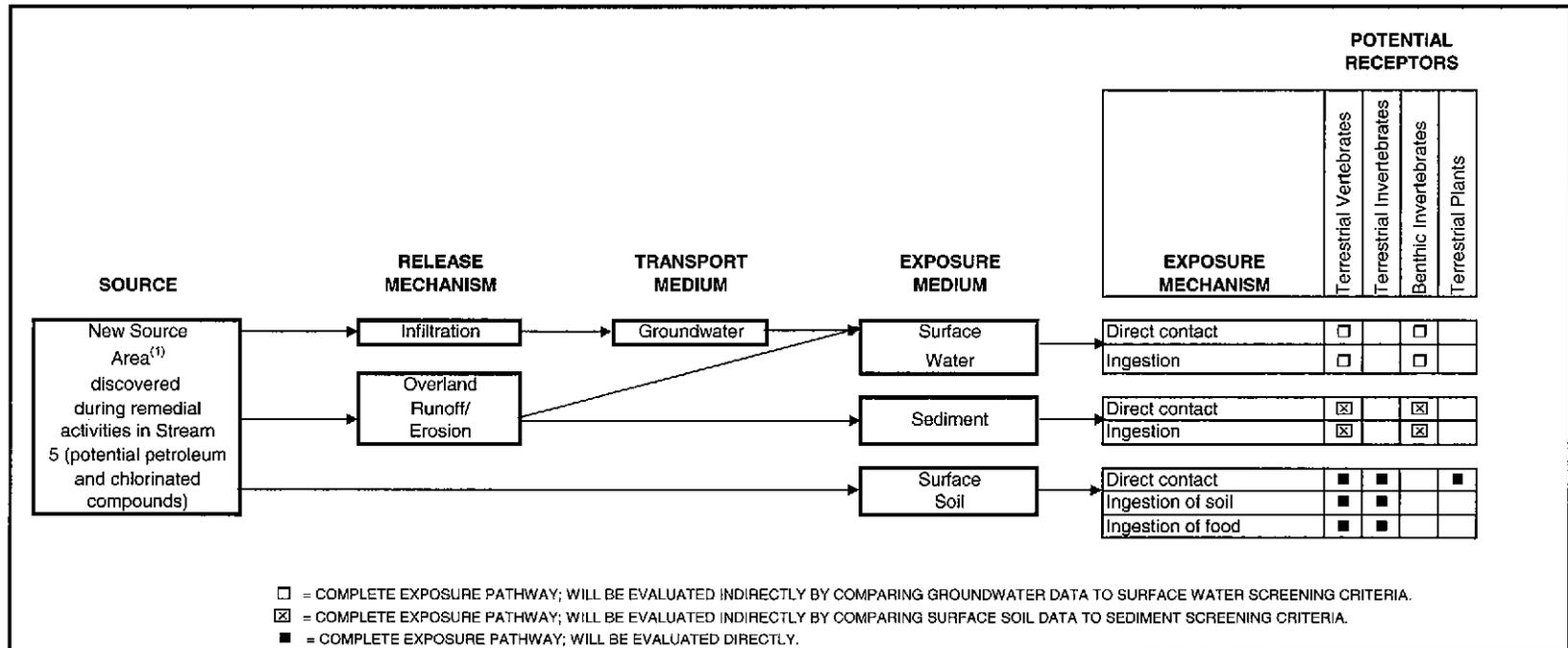


SITE 20 SUMMARY OF GROUNDWATER COPCs
SITES 3, 7, 14, 15, 18, AND 20 GROUNDWATER
RECORD OF DECISION
NSB-NLON, GROTON, CONNECTICUT

CONTRACT NO. 4286	
OWNER NO. 0841	
APPROVED BY <i>CAJ</i>	DATE 8/12/04
DRAWING NO. FIGURE 2-18	REV. 0

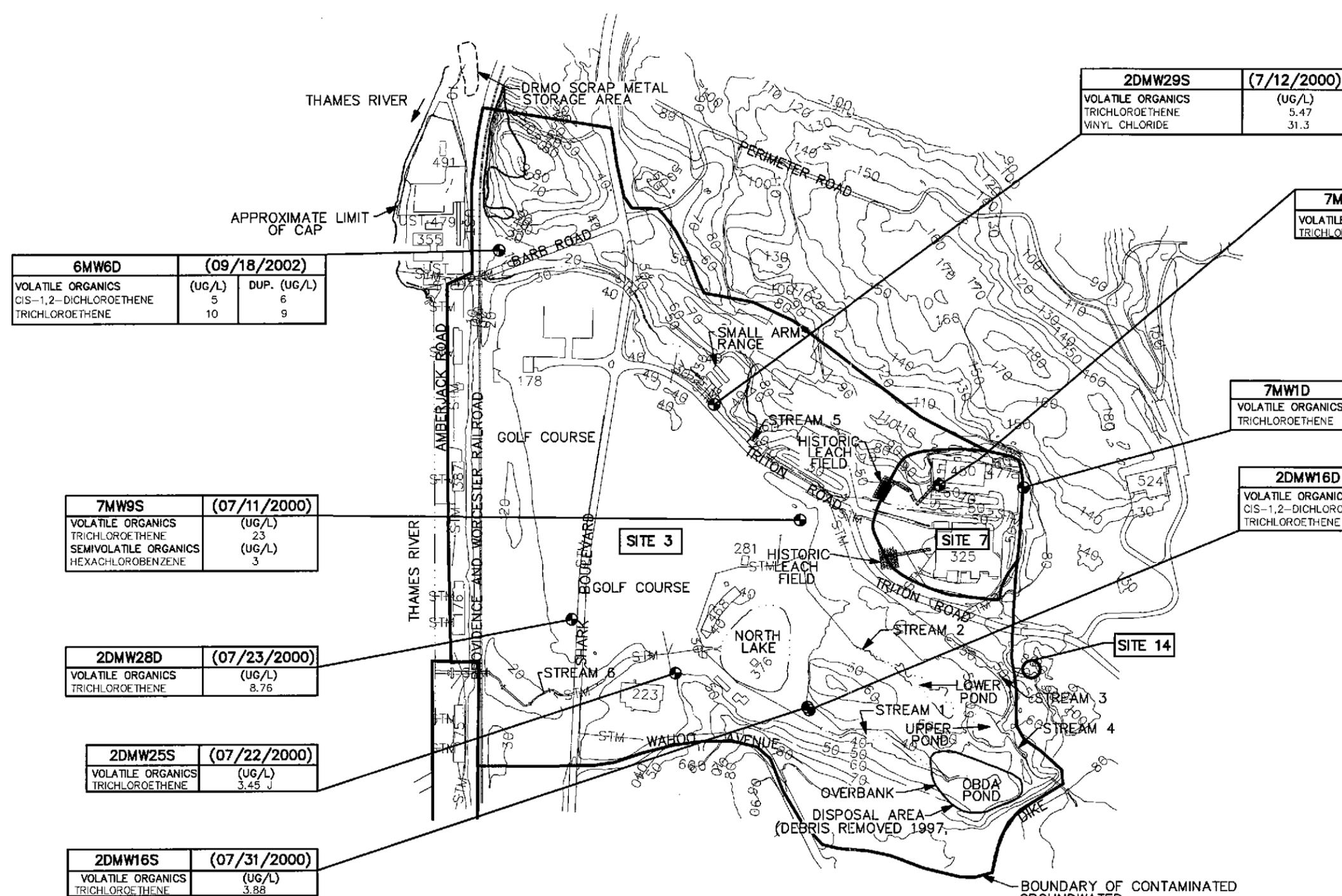
FIGURE 2-19

ECOLOGICAL CONCEPTUAL SITE MODEL
 SITE 3 - NEW SOURCE AREA
 SITES 3, 7, 14, 15, 18, AND 20 GROUNDWATER RECORD OF DECISION
 NSB NLON, GROTON, CONNECTICUT



Blank space indicates incomplete exposure pathway or relatively insignificant, or not applicable potential exposure.

⁽¹⁾New source area located adjacent to Stream 5 in Site 3 - Area A downstream watercourses.



6MW6D (09/18/2002)		
	(UG/L)	DUP. (UG/L)
VOLATILE ORGANICS		
CIS-1,2-DICHLOROETHENE	5	6
TRICHLOROETHENE	10	9

2DMW29S (7/12/2000)	
	(UG/L)
VOLATILE ORGANICS	
TRICHLOROETHENE	5.47
VINYL CHLORIDE	31.3

7MW5D (07/11/2000)	
	(UG/L)
VOLATILE ORGANICS	
TRICHLOROETHENE	7.58

7MW1D (07/07/2000)	
	(UG/L)
VOLATILE ORGANICS	
TRICHLOROETHENE	4.09

2DMW16D (07/31/2000)	
	(UG/L)
VOLATILE ORGANICS	
CIS-1,2-DICHLOROETHENE	3.3
TRICHLOROETHENE	3.17

7MW9S (07/11/2000)	
	(UG/L)
VOLATILE ORGANICS	
TRICHLOROETHENE	23
SEMIVOLATILE ORGANICS	(UG/L)
HEXACHLOROBENZENE	3

2DMW28D (07/23/2000)	
	(UG/L)
VOLATILE ORGANICS	
TRICHLOROETHENE	8.76

2DMW25S (07/22/2000)	
	(UG/L)
VOLATILE ORGANICS	
TRICHLOROETHENE	3.45

2DMW16S (07/31/2000)	
	(UG/L)
VOLATILE ORGANICS	
TRICHLOROETHENE	3.88

LEGEND:

- MONITORING WELL
- UG/L MICROGRAMS PER LITER

NOTE:

TAKEN FROM BASEWIDE GROUNDWATER OPERABLE UNIT REMEDIAL INVESTIGATION UPDATE/FEASIBILITY STUDY (TTNUS, 2004).

0 400 800
SCALE IN FEET

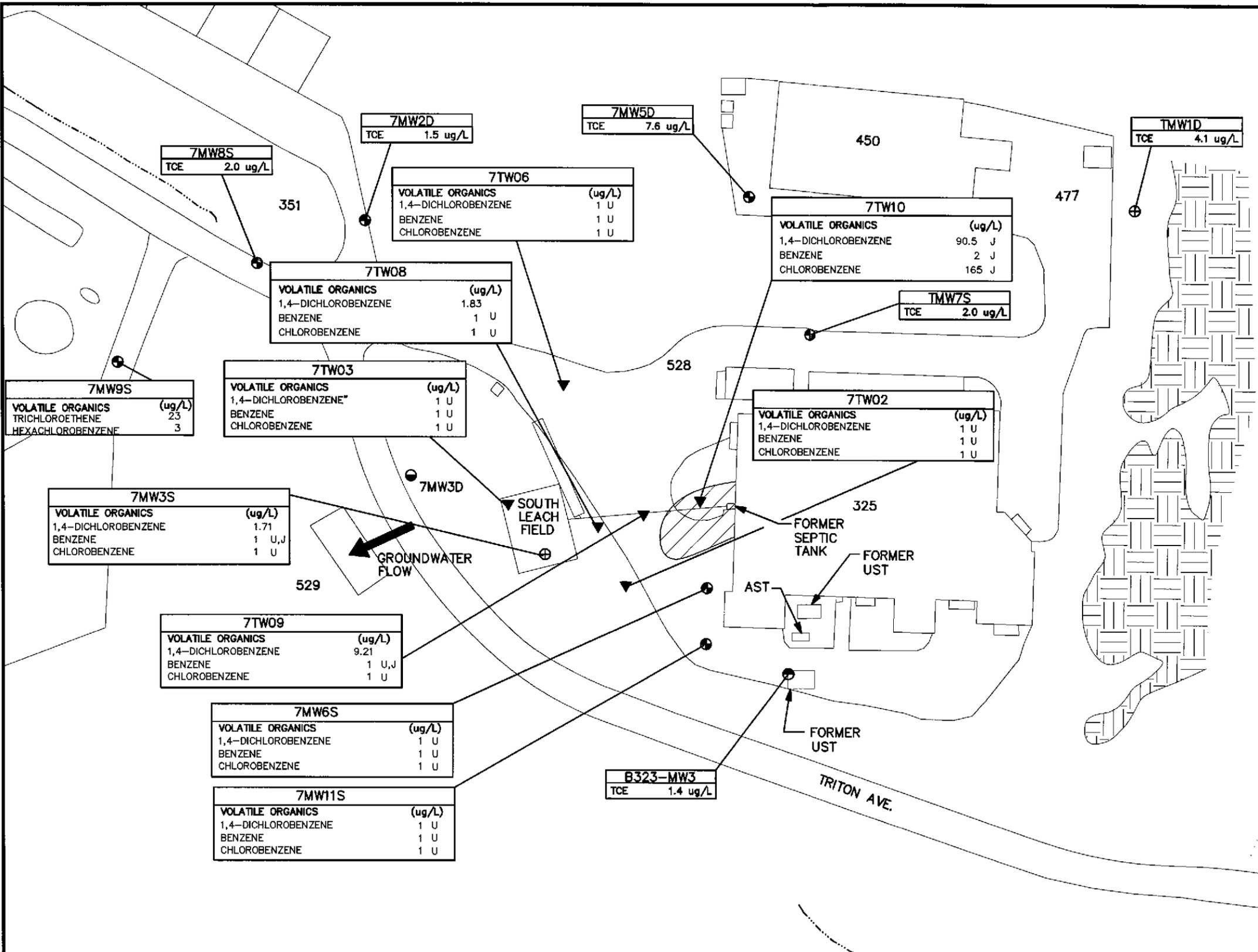
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CHECKED BY	DATE
REVISD BY	DATE
SCALE	AS NOTED



SITES 3 AND 7 GROUNDWATER
SIGNIFICANT CHLORINATED
SOLVENT DETECTIONS
SITES 3, 7, 14, 15, 18, AND 20 GROUNDWATER
RECORD OF DECISION
NSB-NLON, GROTON, CONNECTICUT

CONTRACT NO. 4286	
OWNER NO. 0841	
APPROVED BY CAR	DATE 8/12/04
DRAWING NO. FIGURE 2-20	REV. 0

ACAD: 4286CP61.dwg 06/21/04 DM PIT



LEGEND:

- ⊕ PHASE I MONITORING WELL LOCATION
- ⊙ PHASE II MONITORING WELL LOCATION
- ▼ BG OU RI GROUNDWATER MONITORING POINT
- SITE CHARACTERIZATION MONITORING WELL LOCATION
- B323-MW3
- J ESTIMATED
- U NON-DETECT
- ug/L MICROGRAMS PER LITER
- CHLORO BENZENE/DICHLORO BENZENE CONTAMINATION AREA
- EXPOSED BEDROCK
- STREAM

NOTE:
 TAKEN FROM BASEWIDE GROUNDWATER OPERABLE UNIT REMEDIAL INVESTIGATION UPDATE/FEASIBILITY STUDY (T&NUS, 2004).

0 80 160
 SCALE IN FEET

DRAWN BY DM	DATE 8/21/04
CHECKED BY	DATE
REVISED BY	DATE
SCALE AS NOTED	



ESTIMATED EXTENT OF GROUNDWATER CONTAMINATION AT SITE 7
RECORD OF DECISION
 SITES 3, 7, 14, 15, 18, AND 20 GROUNDWATER
 NSB-NLON, GROTON, CONNECTICUT

CONTRACT NO. 4286	
OWNER NO. 0841	
APPROVED BY <i>Can</i>	DATE 8/12/04
DRAWING NO. FIGURE 2-21	REV. 0



LEGEND:

- SITE BOUNDARY
- - - LOWER SUBBASE REMEDIAL INVESTIGATION ZONE BOUNDARY
- AREA WHERE THERE WILL BE NO SOIL LUCs AFTER REMEDIATION IN 2005
- AREA WITH NO SOIL LUCs
- AREA WHERE SOIL LUCs ARE TBD
- AREA WITH SOIL LUCs

LUC LAND USE CONTROL
 TBD TO BE DETERMINED

- SITE 1 - CONSTRUCTION BATTALION UNIT (CBU) DRUM STORAGE AREA
- SITE 2 - (A) AREA A LANDFILL AND (B) AREA A WETLAND
- SITE 3 - (A) AREA A DOWNSTREAM WATER COURSES AND (B) OVBANK DISPOSAL AREA (OBDA)
- SITE 4 - RUBBLE FILL AREA AT BUNKER A-86
- SITE 6 - DEFENSE REUTILIZATION AND MARKETING OFFICE (DRMO)
- SITE 7 - TORPEDO SHOPS
- SITE 8 - GOSS COVE LANDFILL
- SITE 9 - OILY WASTEWATER TANK (OT-5)
- SITE 10 - LOWER SUBBASE-FUEL STORAGE TANKS AND TANK 54-H
- SITE 11 - LOWER SUBBASE-POWER PLANT OIL TANKS
- SITE 13 - LOWER SUBBASE-BUILDING 79 WASTE OIL PIT
- SITE 14 - OVBANK DISPOSAL AREA NORTHEAST (OBDA NE)
- SITE 15 - SPENT ACID STORAGE AND DISPOSAL AREA (SASDA)
- SITE 16 - HOSPITAL INCINERATORS
- SITE 17 - HAZARDOUS MATERIALS/SOLVENT STORAGE AREA (BUILDING 33)
- SITE 18 - SOLVENT STORAGE AREA (BUILDING 36)
- SITE 19 - SOLVENT STORAGE AREA (BUILDING 36)
- SITE 20 - AREA A WEAPONS CENTER
- SITE 21 - BERTH 16
- SITE 22 - PIER 33
- SITE 23 - FUEL FARM
- SITE 24 - CENTRAL PAINT ACCUMULATION AREA (BUILDING 174)
- SITE 25 - LOWER SUBBASE-CLASSIFIED MATERIALS INCINERATOR

NOTES:

1. SITE BOUNDARIES ARE APPROXIMATE
2. SOPA (ADMIN) NEW LONDON INSTRUCTION 5090.188 FEBRUARY 5, 2003 PROVIDES SITE USE RESTRICTIONS FOR AREAS WITH SOIL LUCs.

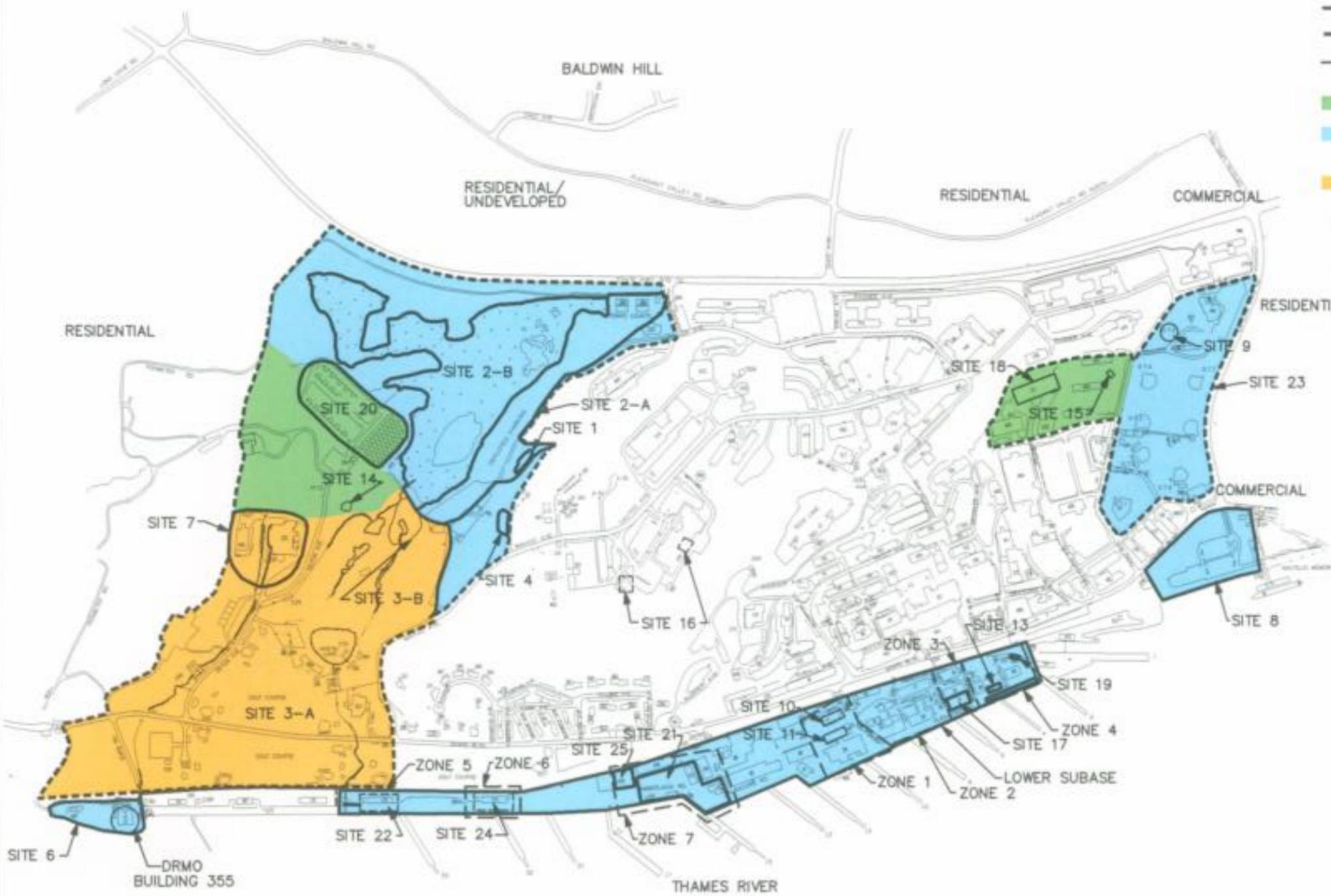


DRAWN BY HJB	DATE 11/9/04
CHECKED BY CAR	DATE 11/9/04
REVISOR BY	DATE
SCALE AS NOTED	



LOCATION OF AREAS AT NSB-NLON WITH SOIL LAND USE CONTROLS
 NSB-NLON, GROTON, CONNECTICUT

CONTRACT NO. 4286	
OWNER NO. 0841	
APPROVED BY CAR	DATE 11/9/04
DRAWING NO. FIGURE 22	REV. 0



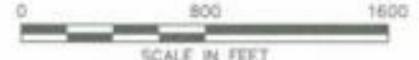
LEGEND:

- SITE BOUNDARY
 - - - OU9 BOUNDARY
 - - - LOWER SUBBASE REMEDIAL INVESTIGATION ZONE BOUNDARY
 - AREA WITH NO GROUNDWATER LUC
 - AREA WHERE GROUNDWATER LUCs ARE TBD IN A FUTURE ROD
 - AREA WHERE GROUNDWATER LUCs WILL BE IMPLEMENTED
- LUC LAND USE CONTROL
 TBD TO BE DETERMINED
 ROD RECORD OF DECISION

- SITE 1 - CONSTRUCTION BATTALION UNIT (CBU) DRUM STORAGE AREA
- SITE 2 - (A) AREA A LANDFILL AND (B) AREA A WETLAND
- SITE 3 - (A) AREA A DOWNSTREAM WATER COURSES AND (B) OVBANK DISPOSAL AREA (OBDA)
- SITE 4 - RUBBLE FILL AREA AT BUNKER A-86
- SITE 6 - DEFENSE REUTILIZATION AND MARKETING OFFICE (DRMO)
- SITE 7 - TORPEDO SHOPS
- SITE 8 - GOSS COVE LANDFILL
- SITE 9 - OILY WASTEWATER TANK (OT-5)
- SITE 10 - LOWER SUBBASE-FUEL STORAGE TANKS AND TANK 54-H
- SITE 11 - LOWER SUBBASE-POWER PLANT OIL TANKS
- SITE 13 - LOWER SUBBASE-BUILDING 79 WASTE OIL PIT
- SITE 14 - OVBANK DISPOSAL AREA NORTHEAST (OBDA NE)
- SITE 15 - SPENT ACID STORAGE AND DISPOSAL AREA (SASDA)
- SITE 16 - HOSPITAL INCINERATORS
- SITE 17 - HAZARDOUS MATERIALS/SOLVENT STORAGE AREA (BUILDING 33)
- SITE 18 - SOLVENT STORAGE AREA (BUILDING 35)
- SITE 19 - SOLVENT STORAGE AREA (BUILDING 36)
- SITE 20 - AREA A WEAPONS CENTER
- SITE 21 - BERTH 16
- SITE 22 - PIER 33
- SITE 23 - FUEL FARM
- SITE 24 - CENTRAL PAINT ACCUMULATION AREA (BUILDING 174)
- SITE 25 - LOWER SUBBASE-CLASSIFIED MATERIALS INCINERATOR

NOTES:

1. SITE BOUNDARIES ARE APPROXIMATE
2. SOPA (ADMIN) NEW LONDON INSTRUCTION 5090.188 FEBRUARY 5, 2003 WILL BE UPDATED TO INCLUDE SITE USE RESTRICTIONS FOR AREAS WITH GROUNDWATER LUCs.



DRAWN BY HJB	DATE 11/9/04
CHECKED BY CAR	DATE 12/2/04
REVIEWED BY	DATE
SCALE AS NOTED	



LOCATION OF BASEWIDE GROUNDWATER OPERABLE UNIT 9 AND AREAS WITH GROUNDWATER LAND USE CONTROLS
 NSB-NLON, GROTON, CONNECTICUT

CONTRACT NO. 4286	
OWNER NO. 0841	
APPROVED BY CAR	DATE 12/2/04
DRAWING NO. FIGURE 23	REV. 0