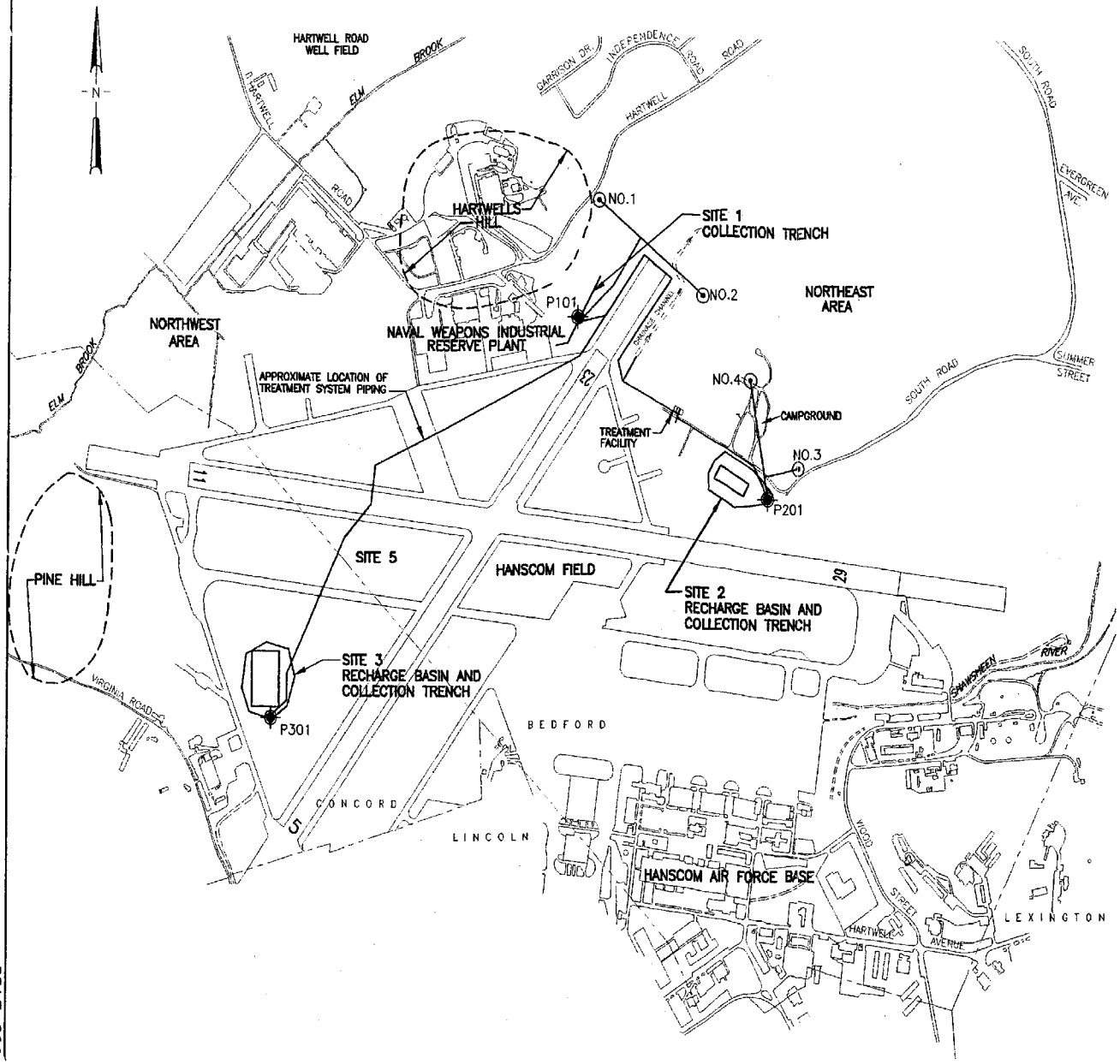
Click here to return to main document and Bookmarks



LEGEND:

NO.1 DESIGNATION AND LOCATION OF INTERCEPTOR WELL INSTALLED AS PART OF GROUNDWATER TREATMENT SYSTEM

P101 DESIGNATION AND LOCATION OF PUMP STATION

0 1000 2000
SCALE IN FEET

HALEY & ALDRICH
UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

LONG TERM SAMPLING PROGRAM
SAMPLING ROUND NO. 9, JUNE–JULY 1996
HANSCOM AIR FORCE BASE
BEDFORD, MASSACHUSETTS

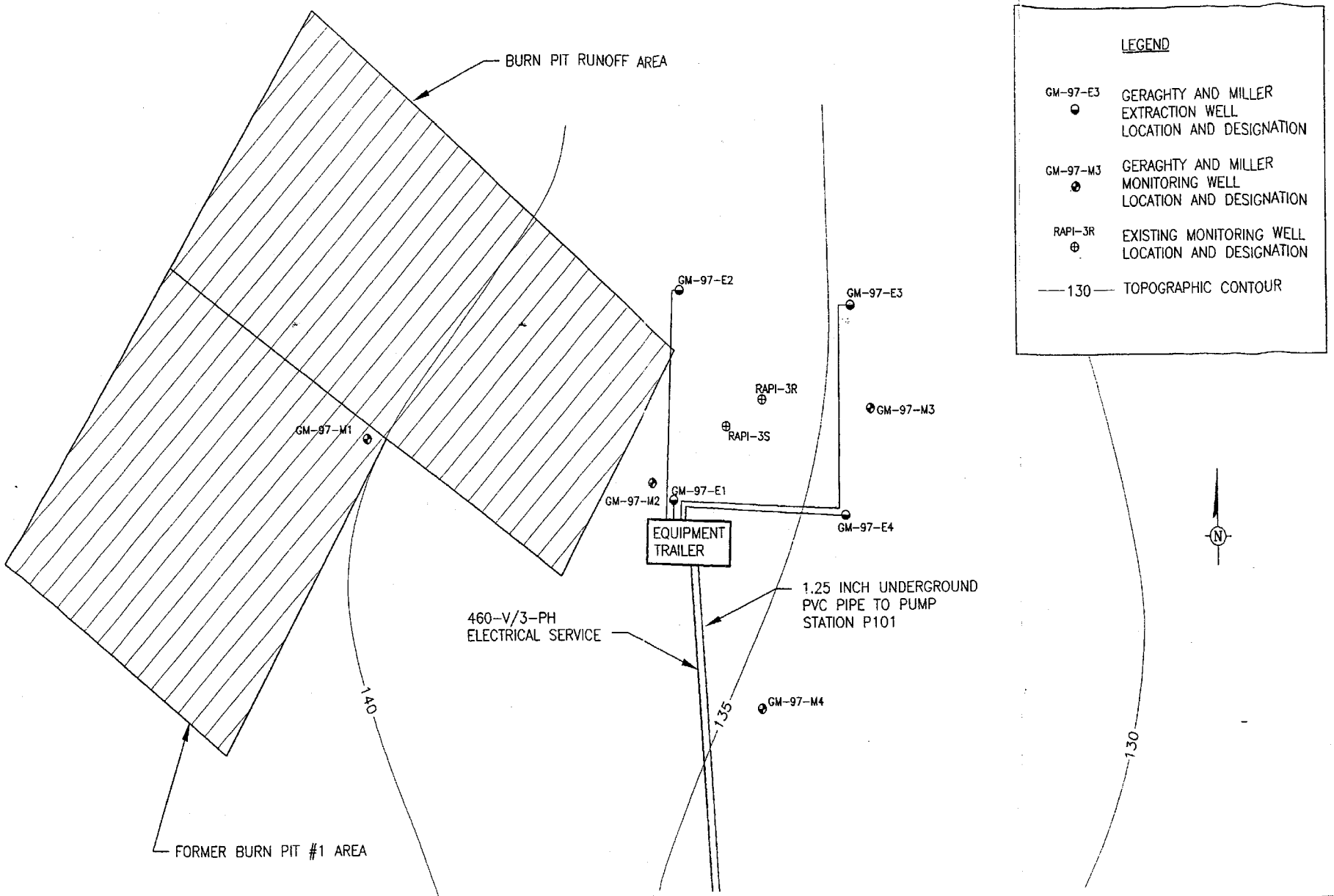
PLAN OF HANSCOM FIELD SHOWING LOCATIONS OF RECHARGE BASINS AND COLLECTION TRENCHES

SCALE: AS SHOWN

JANUARY 1997

FIGURE 10

0583 065 B139



SOURCE:

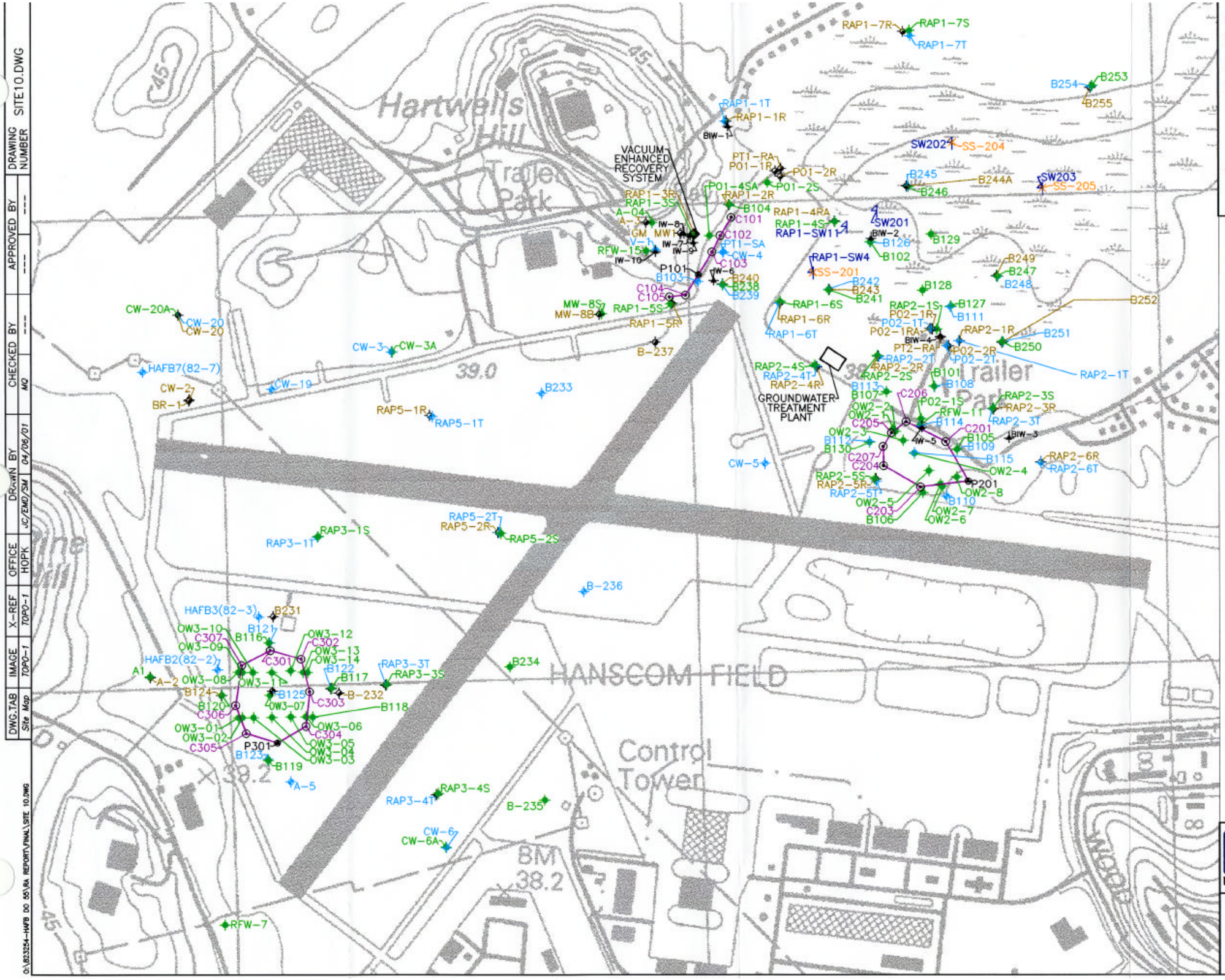
GERAGHTY & MILLER, INC.
Environment and Infrastructure
a heidemij company

VER DEMONSTRATION LAYOUT PLAN

HANSCOM AIR FORCE BASE
BEDFORD, MASSACHUSETTS

FIGURE 11

DWG DATE: 9/3/97 | PRJCT NO.: MA0551.003 | HARD FILE: - | DRAWING: HAN-4 | CHECKED: D. KIRKPATRICK | APPROVED: D. KIRKPATRICK | DRAFTER: H. HORNBACH



LEGEND

- SURFACE WATER MONITORING LOCATIONS
- RECOVERY/INTERCEPTOR WELL
- SHALLOW MONITORING WELL
- LOWER TILL MONITORING WELL
- BEDROCK MONITORING WELL
- PUMPING WET WELL LOCATION
- COLLECTION TRENCH WELL LOCATION
- SEDIMENT/SURFACE WATER SAMPLE LOCATION
- COLLECTION TRENCH LOCATION

REFERENCE:

7.5x15 MINUTE SERIES TOPOGRAPHIC MAP OF MAYNARD, MA
DATED: 1987, SCALE 1:25,000.

SCALE
0 300 600 900 FEET

N

IT CORPORATION

88C ELM STREET
HOPKINTON, MASSACHUSETTS
(508) 435-9561

FIGURE 12

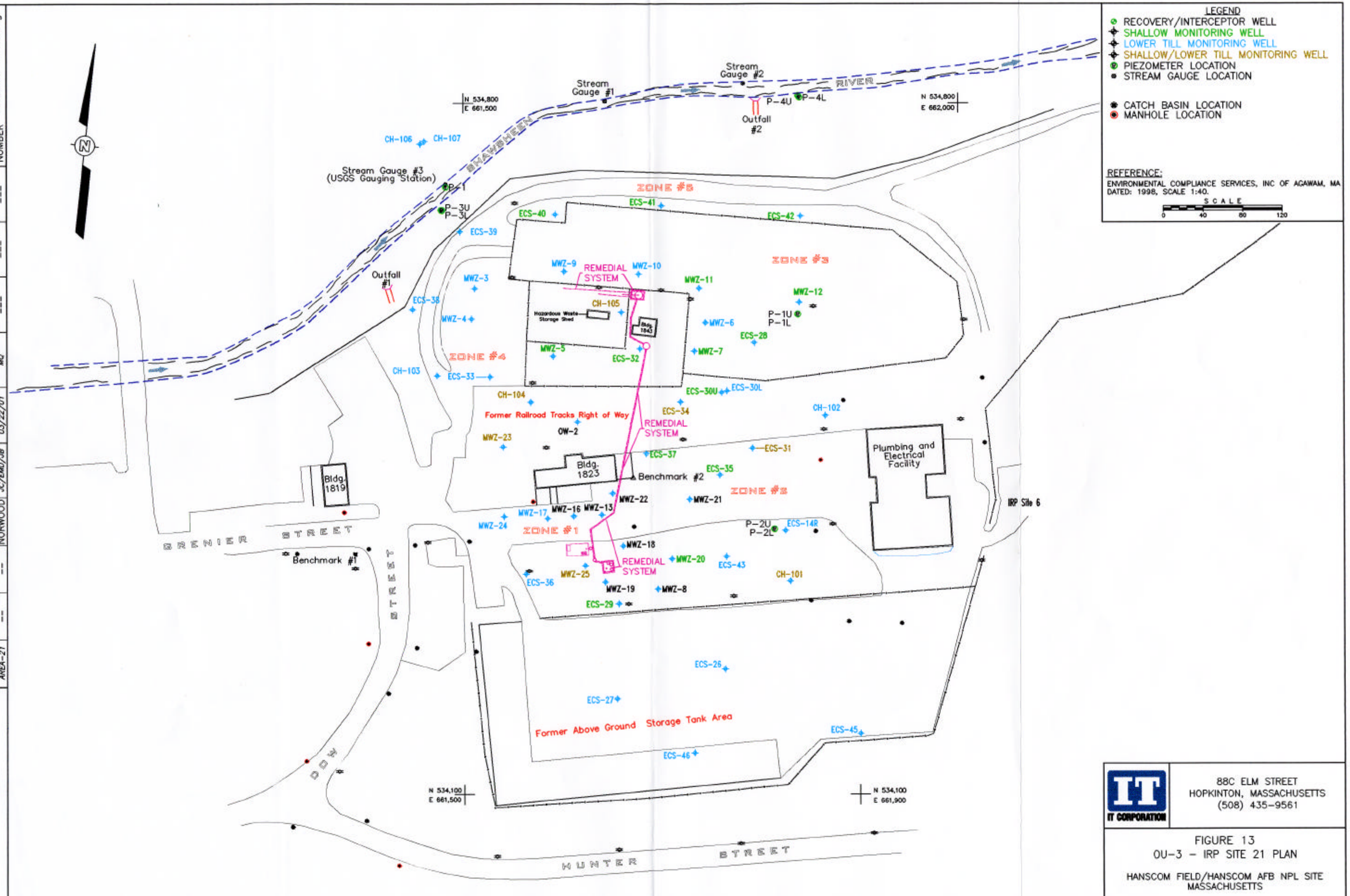
OU-1 PLAN

HANSCOM FIELD/HANSCOM AFB NPL SITE
MASSACHUSETTS

DWG.TAB	IMAGE	X-REF	OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
Site Map	TOPO-1	TOPO-1	HOPK	JC/EMD/SM	MQ	---	SITE10.DWG

04/06/01

G:\823254-HAFB DO 55\RA REPORT\FINAL\SITE 10.DWG



88C ELM STREET
HOPKINTON, MASSACHUSETTS
(508) 435-9561

IT CORPORATION

FIGURE 13
OU-3 – IRP SITE 21 PLAN

HANSCOM FIELD/HANSCOM AFB NPL SITE
MASSACHUSETTS

DWG.TAB	IMAGE	X-REF	OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
AREA-27	---	---	NORWOOD	JC/EMO/JB 03/22/01	MQ	--- ---	AREA21-2-1.dwg

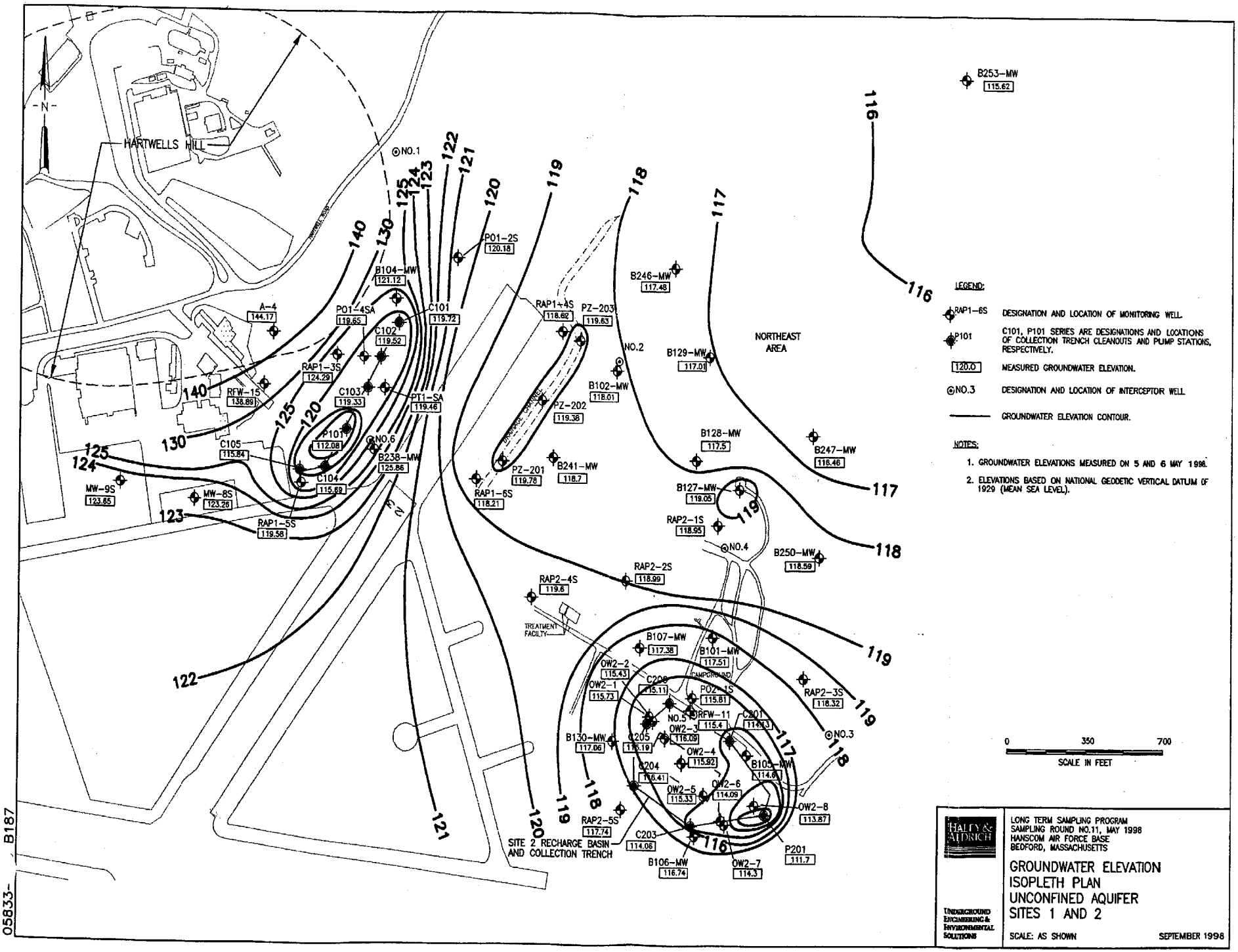

N
HARTWELLS HILL
NORTHEAST AREA
SITE 2 RECHARGE BASIN AND COLLECTION TRENCH
TREATMENT FACILITY
CAMPGROUND
B253-MW 115.62
NO.1
P01-2S 120.18
B104-MW 121.12
P01-4SA 119.65
C101 119.72
C102 119.52
A-4 144.17
RAP1-3S 124.29
RFW-15 138.88
C103 119.33
PT1-SA 119.46
P101 112.08
NO.6
C105 115.84
B238-MW 125.86
C104 115.69
MW-9S 123.65
MW-8S 123.26
RAP1-5S 119.58
RAP1-4S 118.62
PZ-203 119.63
B246-MW 117.48
NO.2
B129-MW 117.01
B102-MW 118.01
PZ-202 119.38
PZ-201 119.78
B241-MW 118.7
RAP1-6S 118.21
B128-MW 117.5
B247-MW 116.46
B127-MW 119.05
RAP2-1S 118.95
NO.4
B250-MW 118.59
RAP2-2S 118.99
RAP2-4S 119.6
B107-MW 117.38
B101-MW 117.51
OW2-2 115.43
OW2-1 115.73
C206 115.11
PO2-1S 115.81
RAP2-3S 118.32
NO.5
RFW-11 115.4
C201 114.73
OW2-3 116.09
NO.3
B130-MW 117.06
C205 115.19
OW2-4 115.92
B105-MW 114.6
C204 116.41
OW2-6 114.09
OW2-5 115.33
OW2-8 113.87
RAP2-5S 117.74
C203 114.06
P201 111.7
B106-MW 116.74
OW2-7 114.3
LEGEND:
RAP1-6S DESIGNATION AND LOCATION OF MONITORING WELL.
P101 C101, P101 SERIES ARE DESIGNATIONS AND LOCATIONS OF COLLECTION TRENCH CLEANOUTS AND PUMP STATIONS, RESPECTIVELY.
120.0 MEASURED GROUNDWATER ELEVATION.
NO.3 DESIGNATION AND LOCATION OF INTERCEPTOR WELL.
GROUNDWATER ELEVATION CONTOUR.
NOTES:
1. GROUNDWATER ELEVATIONS MEASURED ON 5 AND 6 MAY 1998.
2. ELEVATIONS BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929 (MEAN SEA LEVEL).
0 350 700
SCALE IN FEET
HALEY & ALDRICH
UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS
LONG TERM SAMPLING PROGRAM
SAMPLING ROUND NO.11, MAY 1998
HANSCOM AIR FORCE BASE
BEDFORD, MASSACHUSETTS
GROUNDWATER ELEVATION
ISOPLETH PLAN
UNCONFINED AQUIFER
SITES 1 AND 2
SCALE: AS SHOWN
SEPTEMBER 1998
B187
05833-

FIGURE 14

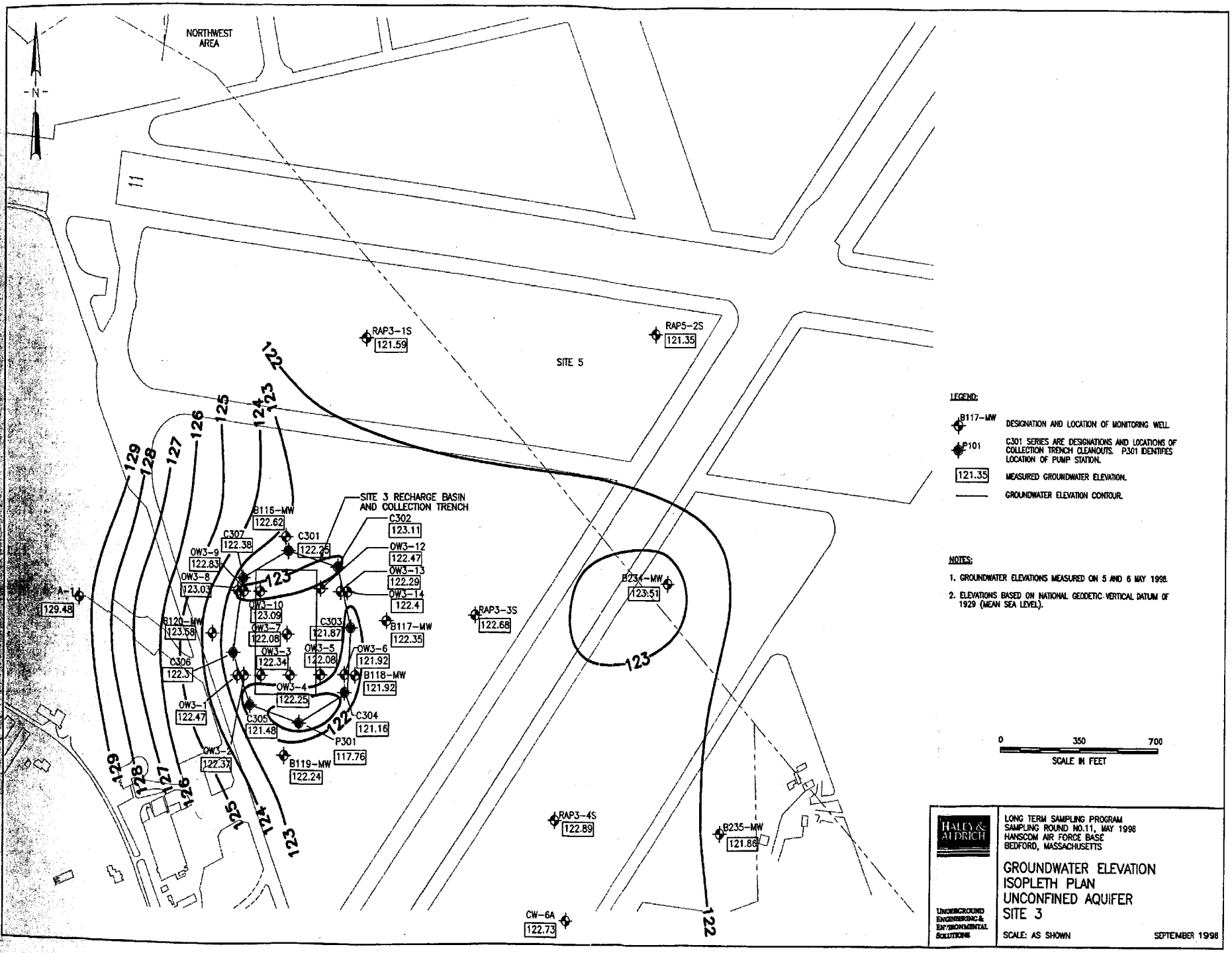


FIGURE 15

05833- J B188

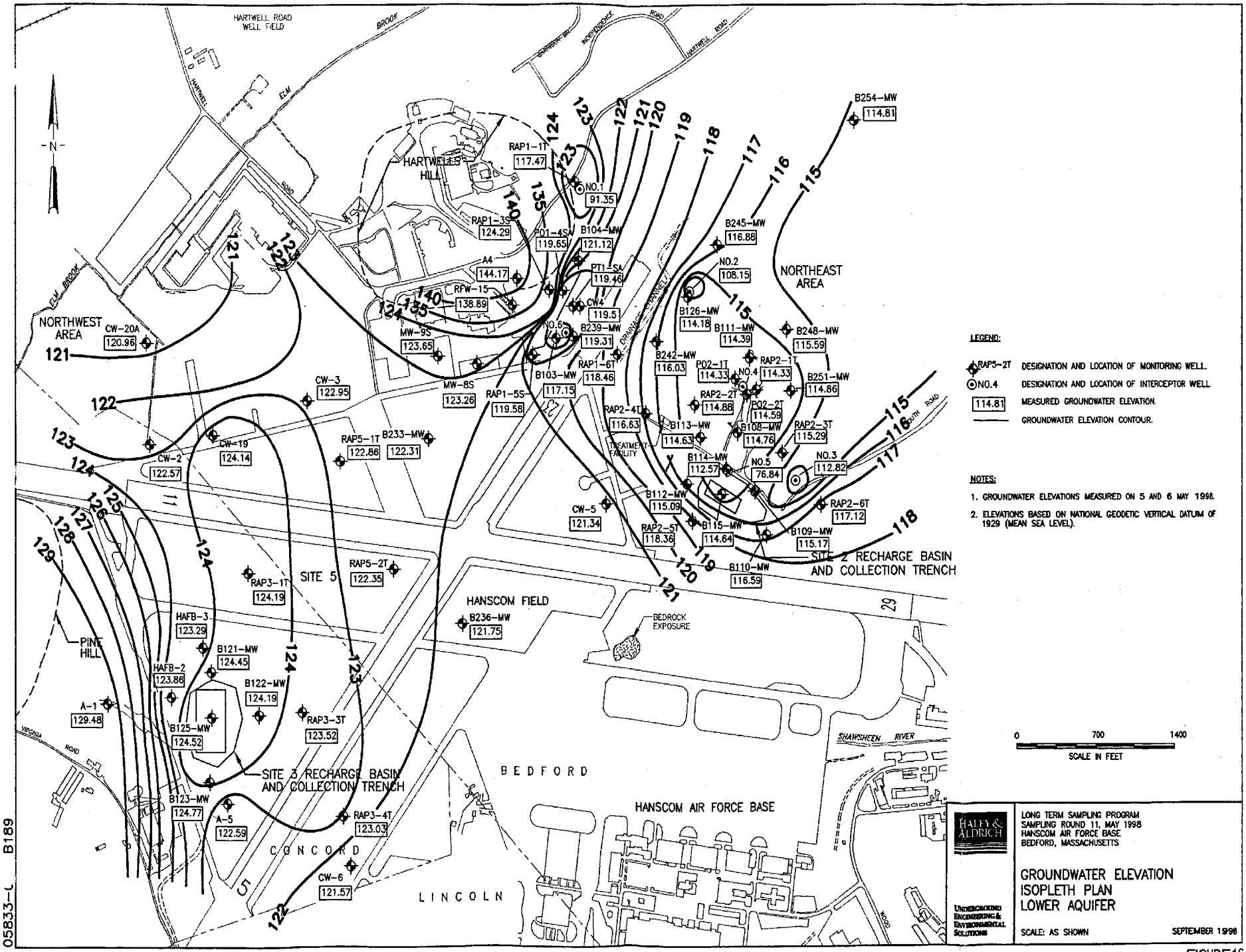
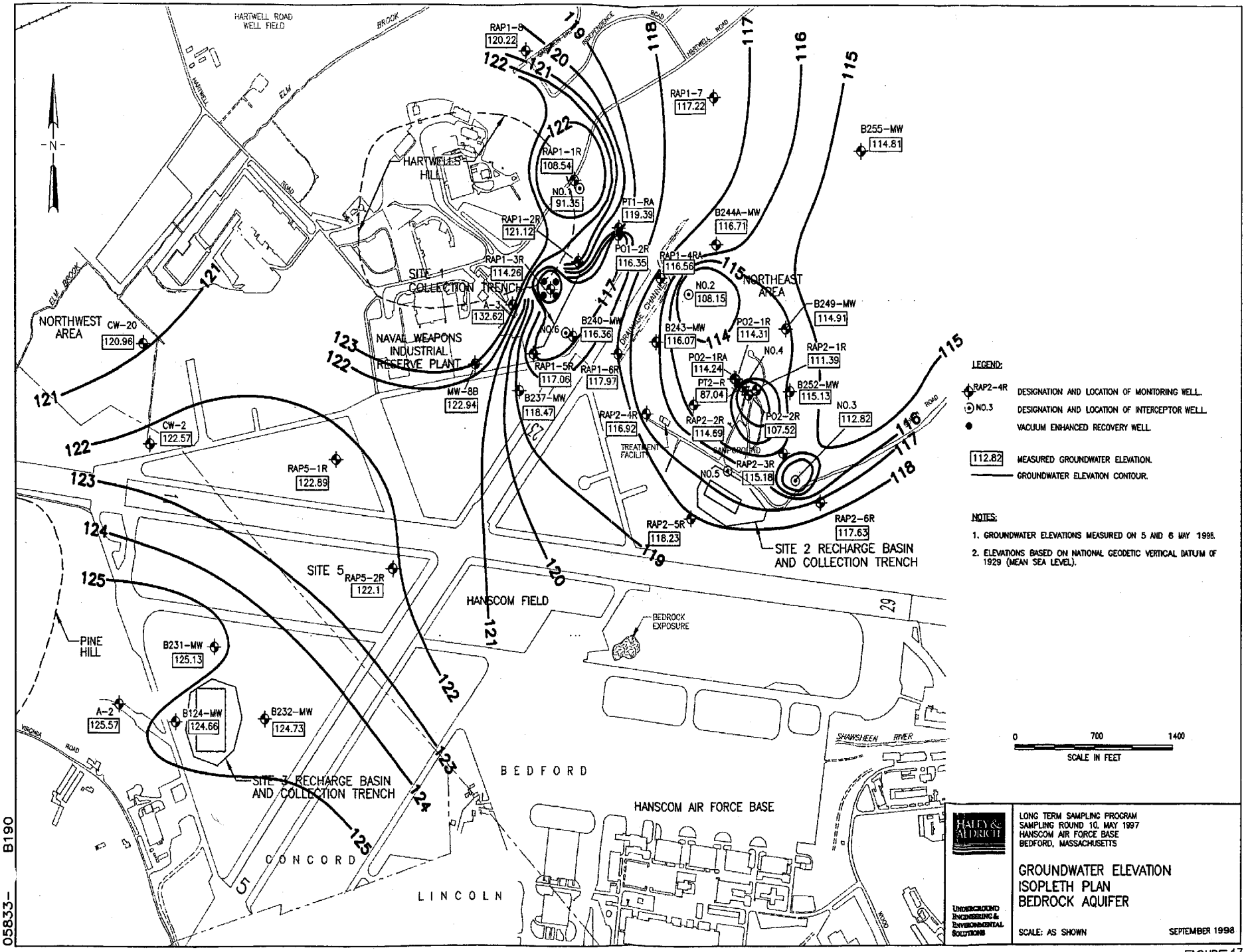
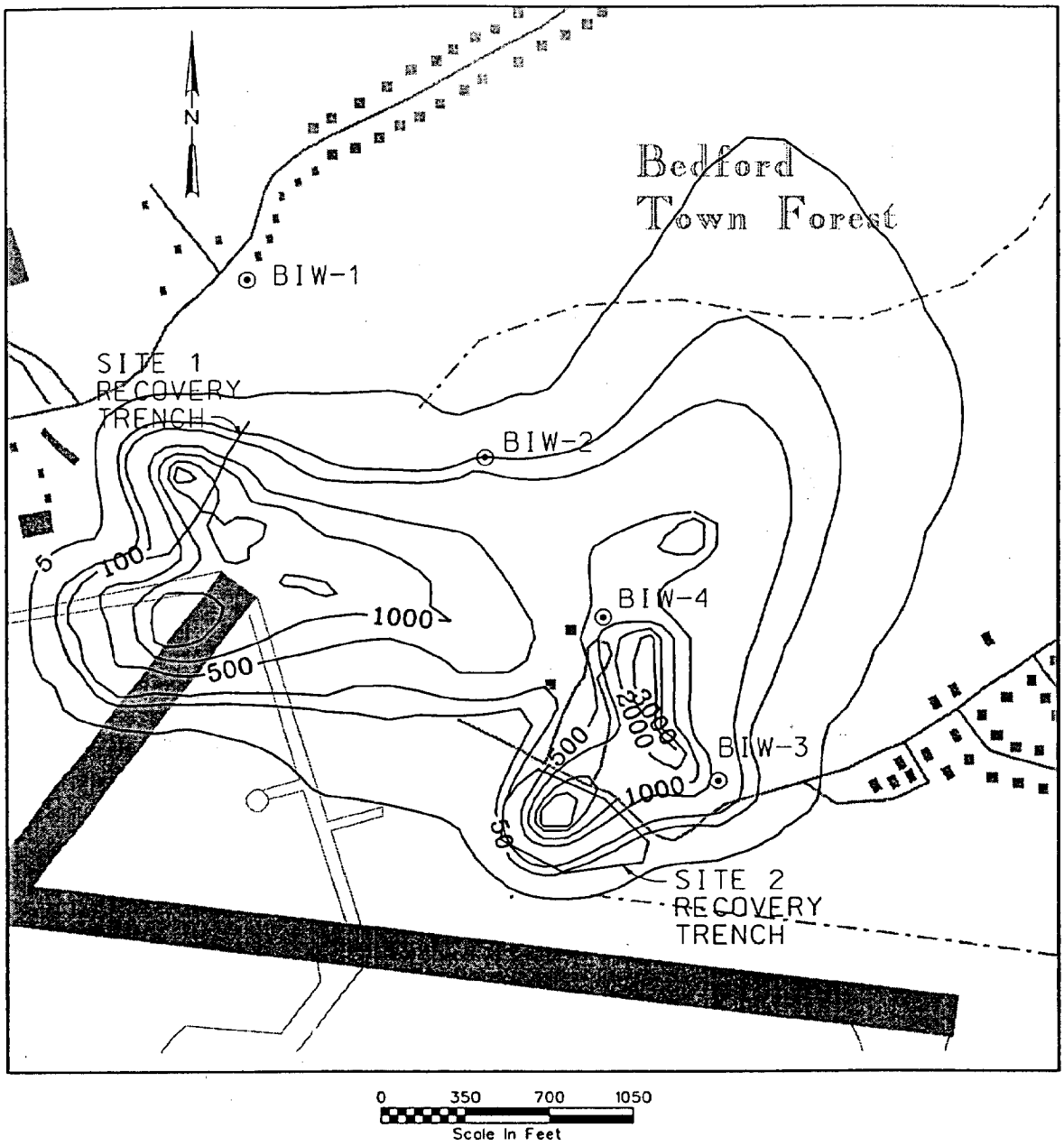

HARTWELL ROAD WELL FIELD
HARTWELL'S HILL
NORTHWEST AREA
NORTHEAST AREA
SITE 5
SITE 2 RECHARGE BASIN AND COLLECTION TRENCH
SITE 3 RECHARGE BASIN AND COLLECTION TRENCH
HANSCOM FIELD
HANSCOM AIR FORCE BASE
BEDFORD
CONCORD
LINCOLN
PINE HILL
BEDROCK EXPOSURE
SHAWSHEEN RIVER
TREATMENT FACILITY
RAP1-1T 117.47
NO.1 91.35
RAP1-3S 124.29
P01-4SA 119.65
B104-MW 121.12
A4 144.17
PT1-SA 119.46
RFW-15 138.89
CW4 119.5
MW-9S 123.65
NO.6
B239-MW 119.31
RAP1-6T 118.46
B103-MW 117.15
MW-8S 123.26
RAP1-5S 119.58
CW-3 122.95
CW-20A 120.96
CW-19 124.14
CW-2 122.57
RAP5-1T 122.86
B233-MW 122.31
RAP2-4T 116.63
B113-MW 114.63
CW-5 121.34
RAP2-5T 118.36
B112-MW 115.09
B115-MW 114.64
B110-MW 116.59
B109-MW 115.17
B108-MW 114.76
B114-MW 112.57
NO.5 76.84
NO.3 112.82
RAP2-6T 117.12
RAP2-3T 115.29
B251-MW 114.86
B248-MW 115.59
B111-MW 114.39
B126-MW 114.18
B242-MW 116.03
P02-1T 114.33
NO.4
RAP2-1T 114.33
RAP2-2T 114.88
P02-2T 114.59
B245-MW 116.88
NO.2 108.15
B254-MW 114.81
RAP5-2T 122.35
RAP3-1T 124.19
HAFB-3 123.29
B236-MW 121.75
B121-MW 124.45
HAFB-2 123.86
B122-MW 124.19
A-1 129.48
B125-MW 124.52
RAP3-3T 123.52
B123-MW 124.77
A-5 122.59
RAP3-4T 123.03
CW-6 121.57
LEGEND:
RAP5-2T DESIGNATION AND LOCATION OF MONITORING WELL.
NO.4 DESIGNATION AND LOCATION OF INTERCEPTOR WELL.
114.81 MEASURED GROUNDWATER ELEVATION.
GROUNDWATER ELEVATION CONTOUR.
NOTES:
1. GROUNDWATER ELEVATIONS MEASURED ON 5 AND 6 MAY 1998.
2. ELEVATIONS BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929 (MEAN SEA LEVEL).
0 700 1400
SCALE IN FEET
HALEY & ALDRICH
UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS
LONG TERM SAMPLING PROGRAM
SAMPLING ROUND 11, MAY 1998
HANSCOM AIR FORCE BASE
BEDFORD, MASSACHUSETTS
GROUNDWATER ELEVATION ISOPLETH PLAN LOWER AQUIFER
SCALE: AS SHOWN
SEPTEMBER 1998
05833-L B189

FIGURE 16



05833- B190

FIGURE 17



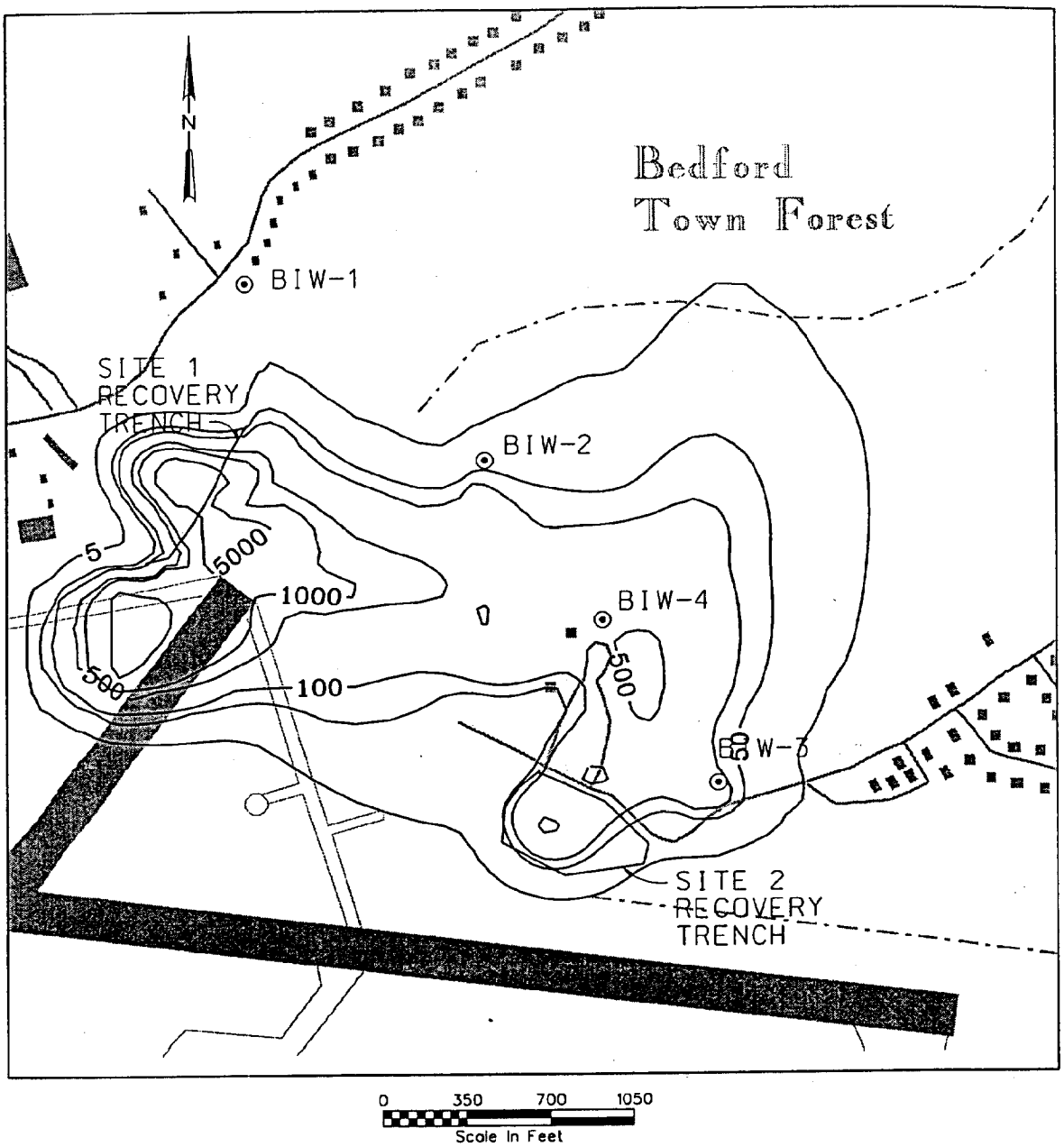
LEGEND

— 5 — SIMULATED TCE CONCENTRATION (ug/L)

Figure 18
SIMULATED TCE PLUME IN THE LOWER AQUIFER IN 1997
HANSCOM AIR FORCE BASE
OPERABLE UNIT 1

CH2MHILL

08-DEC-1997 8808n312.dgn



LEGEND

— 5 — SIMULATED TCE CONCENTRATION (ug/L)

Figure 19
SIMULATED TCE PLUME IN THE BEDROCK AQUIFER IN 1997
HANSCOM AIR FORCE BASE
OPERABLE UNIT 1

CH2MHILL

08-DEC-1997 8808n313.dgn