



PERMANENT FILE

UNITED STATES MARINE CORPS
MARINE CORPS BASE
PSC Box 20004
Camp Lejeune, North Carolina 28542-0004

IN REPLY REFER TO:

5090/7

BEMD

MAY 27 2005

Mr. Randy McElveen
North Carolina Department of
Environment and Natural Resources
Division of Waste Management
Superfund Section
Suite 150
401 Oberlin Road
Raleigh, North Carolina 27605

Dear Mr. McElveen:

Enclosed is the Final Record of Decision (ROD) on Operable Unit No. 6 (sites 36, 43, 44, and 54) for Marine Corps Base, Camp Lejeune shown as enclosure (1). Enclosure (2) consists of three (3) original signature pages of the ROD signed by the Commanding General of Marine Corps Base, Camp Lejeune. Please ensure the Director of Division of Waste Management (DWM), North Carolina Department of Environment and Natural Resources (NCDENR) is properly briefed on the decision and signs all three (3) signature pages. Enclosure (3) is a brief overview for the decisions made for each of the four (4) sites represented in the ROD. After the Director, DWM, NCDENR has signed all three (3) signature pages, please forward the signature pages and the other enclosures to Ms. Gena Townsend, United States Environmental Protection Agency (USEPA) for the appropriate USEPA signature.

For further information, please contact Mr. Robert Lowder, Environmental Quality Branch, Environmental Management Division, Installations and Environment Department, at (910) 451-9607.

Sincerely,

SCOTT A. BREWER, PE
Director, Environmental Management
By direction of
the Commanding General

5090/7
BEMD

Enclosures: 1. Final OU No.6 ROD for MCB, Camp Lejeune
2. Three Signature Pages for OU No.6 ROD
3. Executive Overview for OU No.6 ROD

Copy to:
NAVFACENGCOM (Mr. Hood Code 1823)

Final
Record of Decision
Operable Unit No. 6
Sites 36, 43, 44 and 54
MCB Camp Lejeune, North Carolina



Prepared For
Department of the Navy
Atlantic Division
Naval Facilities Engineering Command
Norfolk, Virginia

Contract No. N62470-95-D-6007
CTO-0219

January 2005

Prepared by

CH₂M HILL

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Michael Baker Jr., Inc.

CDM
Federal Programs Corp.

Executive Overview

Record of Decision (ROD) for Operable Unit No. 6, Installation Restoration (IR) Sites 36, 43, 44 and 54

This ROD presents the selected remedy for OU No. 6 (Sites 36, 43, 44 and 54) at Marine Corps Base (MCB), Camp Lejeune. The selected remedies were made in accordance with the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and with the United States Environmental Protection Agency (USEPA) decision document guidance. The response actions selected in this ROD are necessary to protect the public health, welfare or the environment from actual or threatened releases of hazardous substances from these sites.

The selected remedies for each site are as follows:

Site 36:

Soil

- Filing a notification to Onslow County of Inactive Hazardous Substance or Waste Disposal per North Carolina General Statutes (NCGS) 130A-310.8.
- Land Use Controls (LUCs) will prohibit intrusive activities, development and use of property for residential housing, elementary and secondary schools, child care facilities and recreational areas within the former dump, lead areas, and previous soil removal action areas.

Groundwater

- Monitored Natural Attenuation (MNA) will be performed to assess the reductions in contaminant concentrations and to track any unacceptable plume migration.
- LUCs will prohibit aquifer use in the area within 1,000 feet of the identified groundwater plume. The LUC will also prohibit intrusive activities within the groundwater contamination plume area unless specifically approved by both the NCDENR and USEPA.
- **Note: Additional monitoring wells may be required in the future to address fluctuations in the plume area.**

Site 43:

Soil

- Filing a notification to Onslow County of Inactive Hazardous Substance or Waste Disposal per North Carolina General Statutes (NCGS) 130A-310.8.
- Land Use Controls (LUCs) will prohibit the development and use of property for residential housing, elementary and secondary schools, child care facilities and recreational areas within the previous soil removal action areas.
- LUCs will prohibit intrusive activities within the entire site boundary.

Groundwater

- None

Site 44:**Soil**

- Filing a notification to Onslow County of Inactive Hazardous Substance or Waste Disposal per North Carolina General Statutes (NCGS) 130A-310.8.
- Land Use Controls (LUCs) will prohibit the development and use of property for residential housing, elementary and secondary schools, child care facilities and recreational areas within the previous soil removal action areas.
- LUCs will prohibit intrusive activities within the entire site boundary.

Groundwater

- None

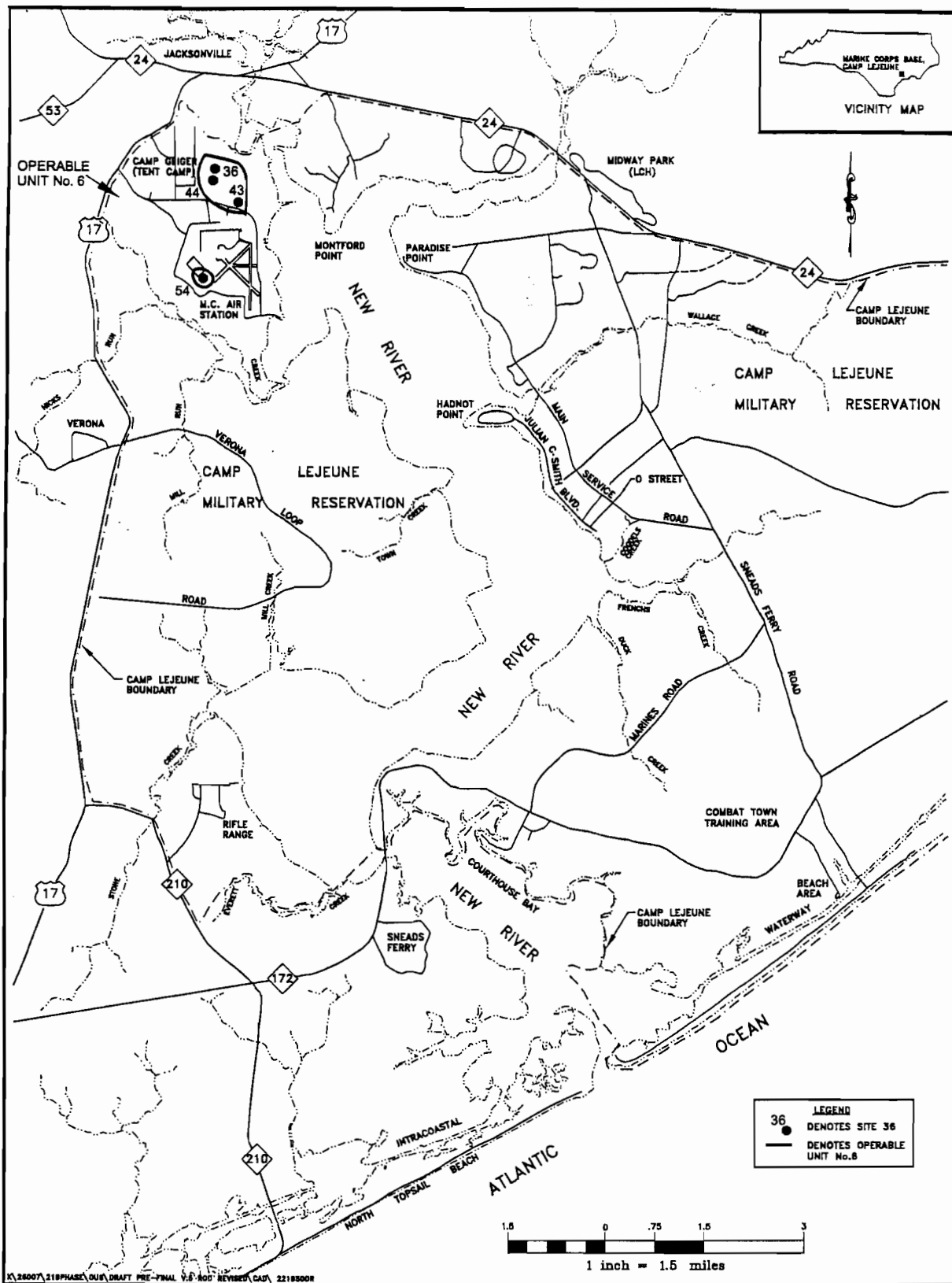
Site 54:**Soil**

- Filing a notification to Onslow County of Inactive Hazardous Substance or Waste Disposal per North Carolina General Statutes (NCGS) 130A-310.8.
- Land Use Controls (LUCs) will prohibit intrusive activities, development and use of property for residential housing, elementary and secondary schools, child care facilities and recreational areas within the area of the former burn pit.

Groundwater

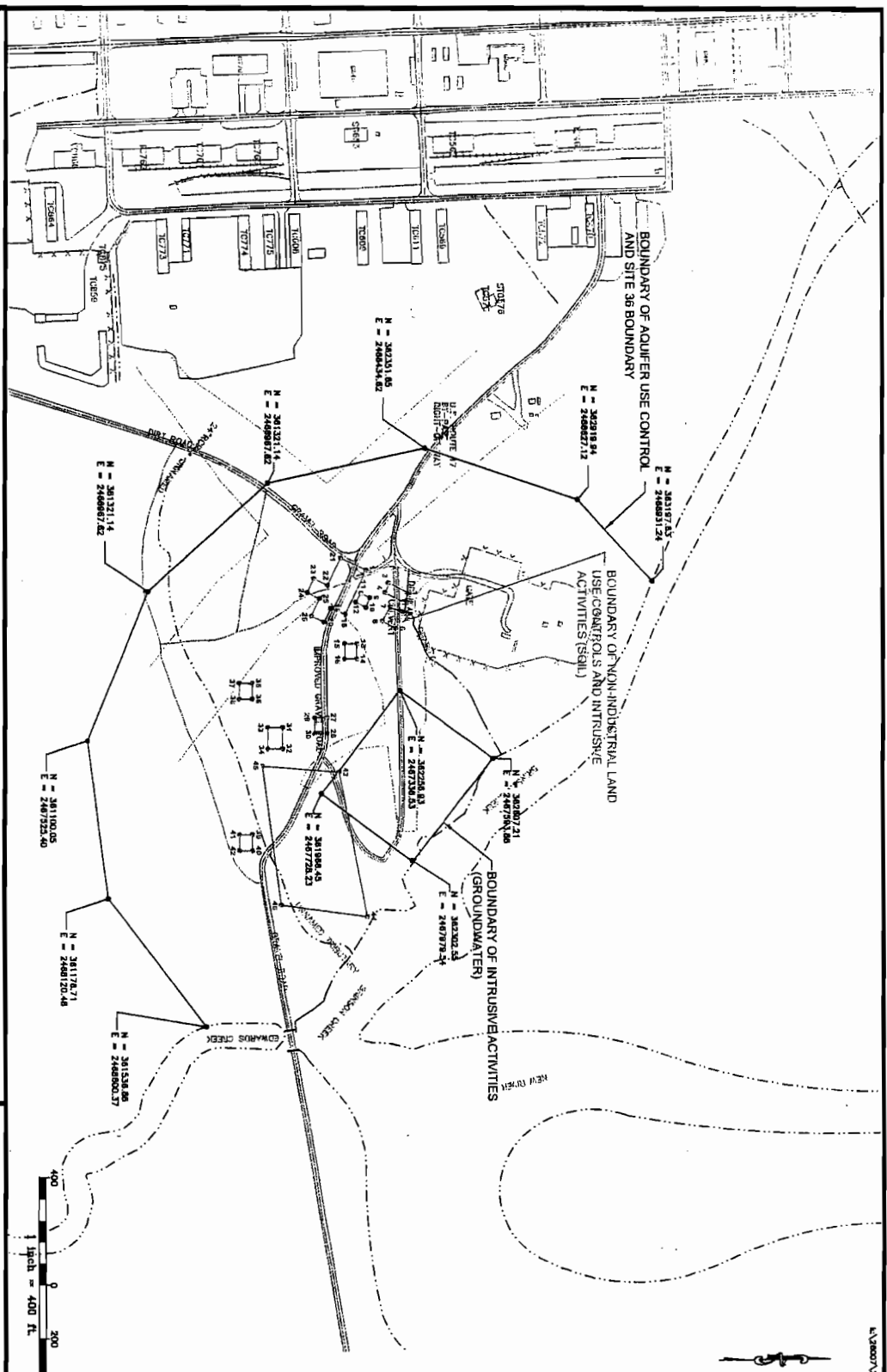
- None

The Department of the Navy and the Marine Corps have obtained concurrence from the North Carolina Department of Environment and Natural Resources (NCDENR) and the USEPA – Region IV on the selected remedies set forth in this ROD.



K128007, 219 PHASE, DUE, DRAFT PRE-FINAL, V.S. NO. 02 REVISED, CAD, 22195001

FIGURE 2-1
 SITE LOCATION MAP
 RECORD OF DECISION,
 OPERABLE UNIT No. 6 - SITES 36, 43, 44 AND 54
 CTO - 0219
 MARINE CORPS BASE, CAMP LEJEUNE
 NORTH CAROLINA



LEGEND:

- BOUNDARY OF AQUIFER USE CONTROL
- BOUNDARY OF INTRUSIVE ACTIVITIES (GROUNDWATER)
- BOUNDARY OF NON-INDUSTRIAL LAND USE CONTROL'S AND INTRUSIVE ACTIVITIES (SOIL)

SOURCE: MCB, CAMP LEJEUNE MARCH 2000



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FIGURE 1-1
BOUNDARY OF LAND USE CONTROLS
RECORD OF DECISION
OPERABLE UNIT NO. 6
SITE 36, CAMP GEIGER AREA DUMP
MARINE CORPS BASE, CAMP LEJEUNE
NORTH CAROLINA

1	2466974.82	362290.85
2	2467009.08	362271.49
3	2466937.89	362214.51
4	2466973.22	362202.69
5	2467052.81	362271.64
6	2467106.39	362243.32
7	2467027.79	362221.29
8	2467080.53	362192.08
9	2466992.38	362143.69
10	2467028.72	362130.84
11	2466975.21	362112.42
12	2467008.36	362082.84
13	2467164.78	362087.50
14	2467220.41	362097.46
15	2467164.78	362051.60
16	2467220.41	362051.60
17	2466890.36	362132.66
18	2467056.11	362053.33
19	2467031.71	362001.14
20	2467083.73	361978.51
21	2466944.46	362037.28
22	2466946.57	361989.07
23	2466921.47	361937.09
24	2466972.66	361912.37
25	2466996.28	361958.53
26	2467061.36	361927.73
27	2467440.66	361986.93
28	2467500.61	361996.63
29	2467440.66	361960.45
30	2467500.61	361940.45
31	2467478.80	361821.08
32	2467597.96	361821.08
33	2467478.80	361785.54
34	2467597.96	361785.54
35	2467310.77	361707.50
36	2467310.77	361707.50
37	2467310.77	361681.01
38	2467310.77	361681.01
39	2467882.78	361709.18
40	2467942.74	361709.18
41	2467882.78	361682.70
42	2467942.74	361682.70
43	2467041.45	362031.74
44	2468191.08	362135.69
45	2467622.84	361745.61
46	2468146.33	361816.03

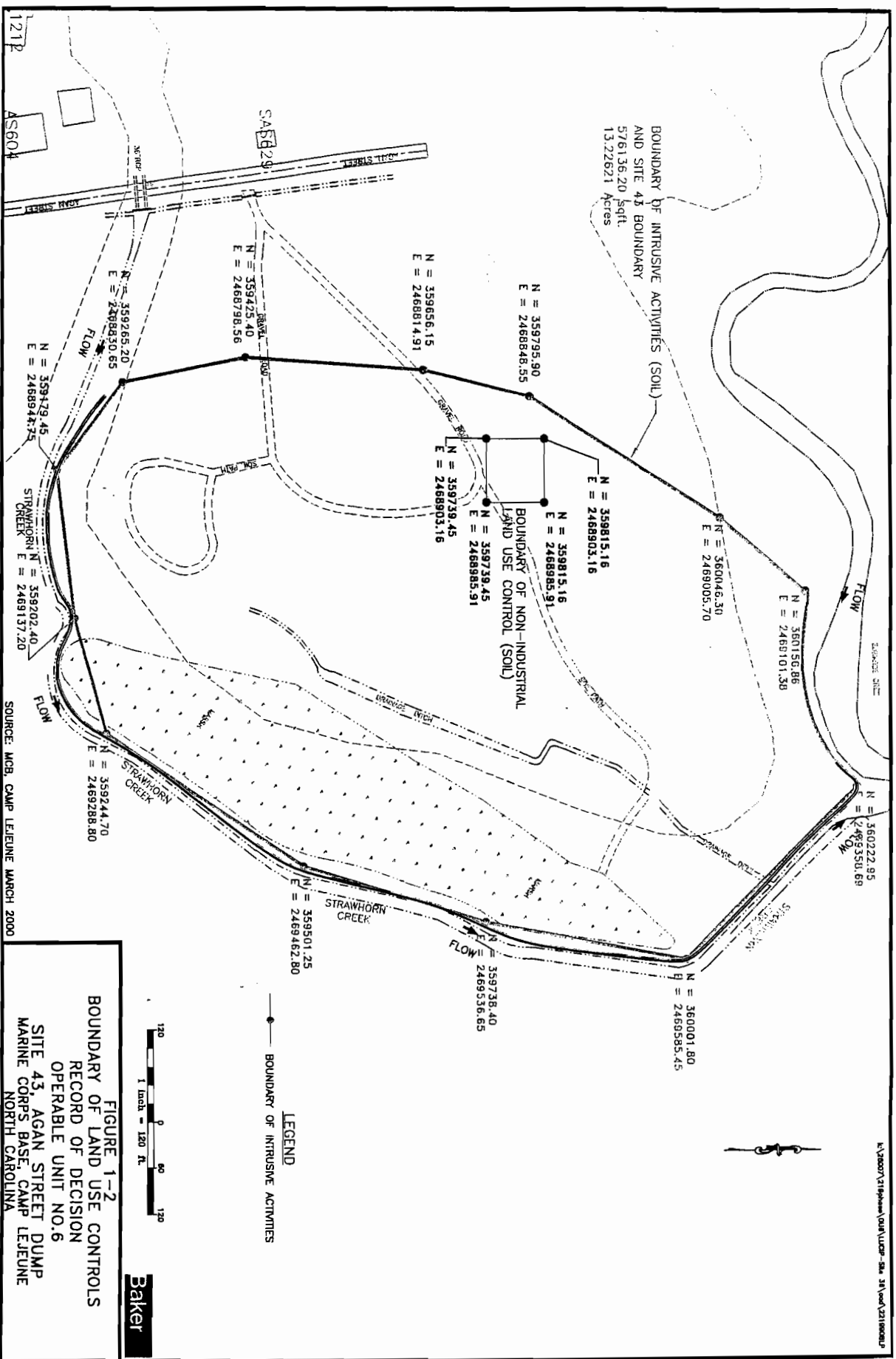
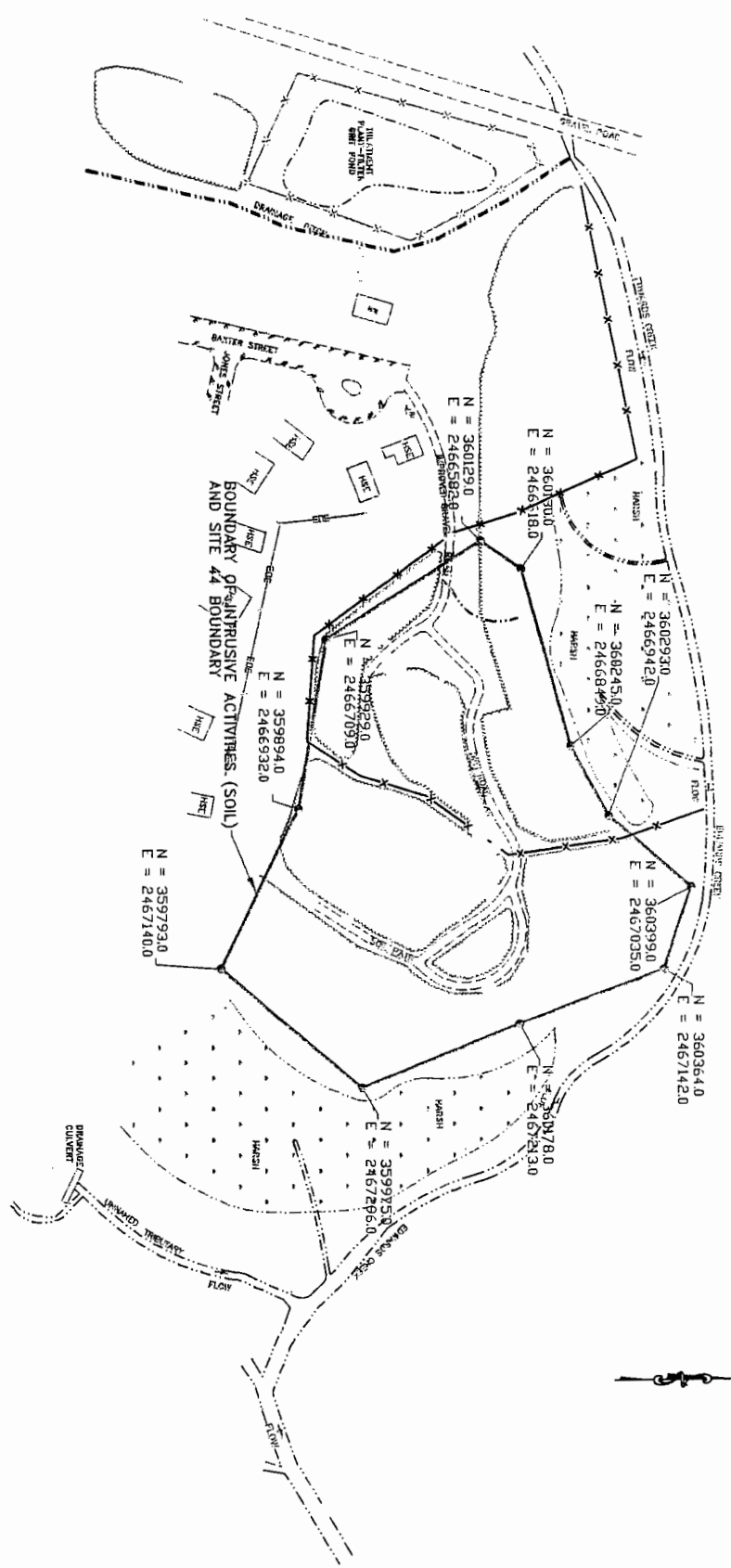


FIGURE 1-2
BOUNDARY OF LAND USE CONTROLS
RECORD OF DECISION
OPERABLE UNIT NO. 6
SITE 43, AGAN STREET DUMP
MARINE CORPS BASE CAMP LEJEUNE
NORTH CAROLINA

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LEGEND

—○— BOUNDARY OF INTRUSIVE ACTIVITIES

-x-x- SITE ACCESS CONTROL (FENCE)

SOURCE: MCB, CAMP LEJEUNE, MARCH 2000

150 0 75 150
1 Inch = 150 Ft

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FIGURE 1-3

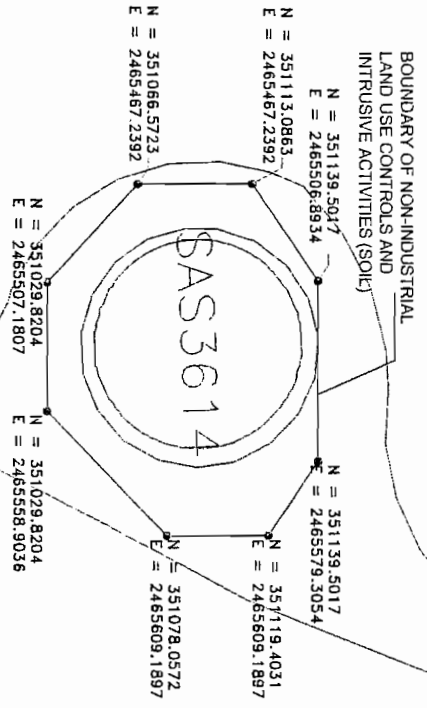
BOUNDARY OF LAND USE CONTROLS RECORD OF DECISION OPERABLE UNIT NO. 6

SITE 44, JONES STREET DUMP MARINE CORPS BASE, CAMP LEJEUNE NORTH CAROLINA

\\20007-219\maps\0308\USCIS-03a_20\land\20110110.dwg

ASPHALT ROAD

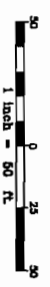
3625



LEGEND

—●— BOUNDARY OF NON-INDUSTRIAL LAND USE CONTROLS AND INTRUSIVE ACTIVITIES (SOIL)

SOURCE: MCR CAMP LEJEUNE, MARCH 2000



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FIGURE 1-4
 BOUNDARY OF LAND USE CONTROLS RECORD OF DECISION OPERABLE UNIT No. 6
 SITE 54, CRASH CREW FIRE TRAINING BURN PIT
 MARINE CORPS BASE, CAMP LEJEUNE
 NORTH CAROLINA

1.7 Signature and Support Agency Acceptance of Remedy

Robert C. Dickerson
Major General Robert C. Dickerson
Commanding General
Marine Corps Base, Camp Lejeune

20 MAY 2005
Date

Dexter R. Matthews, Director
Division of Waste Management
North Carolina Department of Environment and Natural Resources

Date

Winston A. Smith, Director
Waste Management Division
U.S. Environmental Protection Agency - Region 4

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