

N00213.AR.000172
NAS KEY WEST
5090.3a

LETTER REGARDING DISPOSITION OF INVESTIGATION DERIVED WASTE FROM
SUPPLEMENTAL RESOURCE CONSERVATION AND RECOVERY ACT FACILITY
INVESTIGATION/REMEDIATION INVESTIGATION WITH ATTACHMENTS NAS KEY WEST FL
10/28/1996
BROWN AND ROOT ENVIRONMENTAL



Brown & Root Environmental

7046-3.2-0

0

0016
OC

900 Trail Ridge R
Aiken, SC 29803

(803) 649-7963

FAX: (803) 649-4808

AIK-OES-96-6081

October 28, 1996

Project Number HK 7046

Via Federal Express

Commanding Officer
Department of the Navy
Southern Division NAVFACENGCOM
ATTN: Dudley Patrick - Code 1858
Remedial Project Manager
2155 Eagle Drive
North Charleston, South Carolina 29419-9010

Reference: CLEAN Contract No. N62467-94-D-088
Contract Task Order No 0007

Subject: Naval Air Station (NAS) Key West, FL
Investigation Derived Waste from the Supplemental RFI/FI

Dear Mr. Patrick:

As part of the execution of the NAS Key West Supplemental RFI/RI field activities, Brown & Root Environmental (B&RE) produced 44 drums of Investigation Derived Waste (IDW). The IDW drums are situated at or near their point of generation (as practical) and are labeled with their origin, media type, and date of generation. B&RE is awaiting analytical results from the sampling event to determine the disposition of the IDW.

As you know, NAS Key West will handle the disposition of the IDW. I have coordinated this effort with Phillip Williams and been in contact with Patsy McNeil who informs me that she requires a list of the drums, their contents, and their location for her group to manage the eventual disposition of the IDW. I have attached a copy of the IDW Summary Table and maps of the eight (8) locations where drums reside. The summary table is organized by the eight drum locations and the date of the waste generation. Copies of the summary table have been sent to Phillip Williams and Patsy McNeil at NAS Key West for their use to manage the drums.



Dudley Patrick
AIK-OES-96-6081
October 28, 1996
Page Two

If you have any questions, I can be reached in the Aiken office at (803) 649-7963, Ext. 343.

Sincerely,

D. Scott Flickinger
Field Team Leader - NAS Key West

DSF/dsf

Attachment

cc w/attachment:

Phillip Williams, NAS Key West
Patsy McNeil, NAS Key West

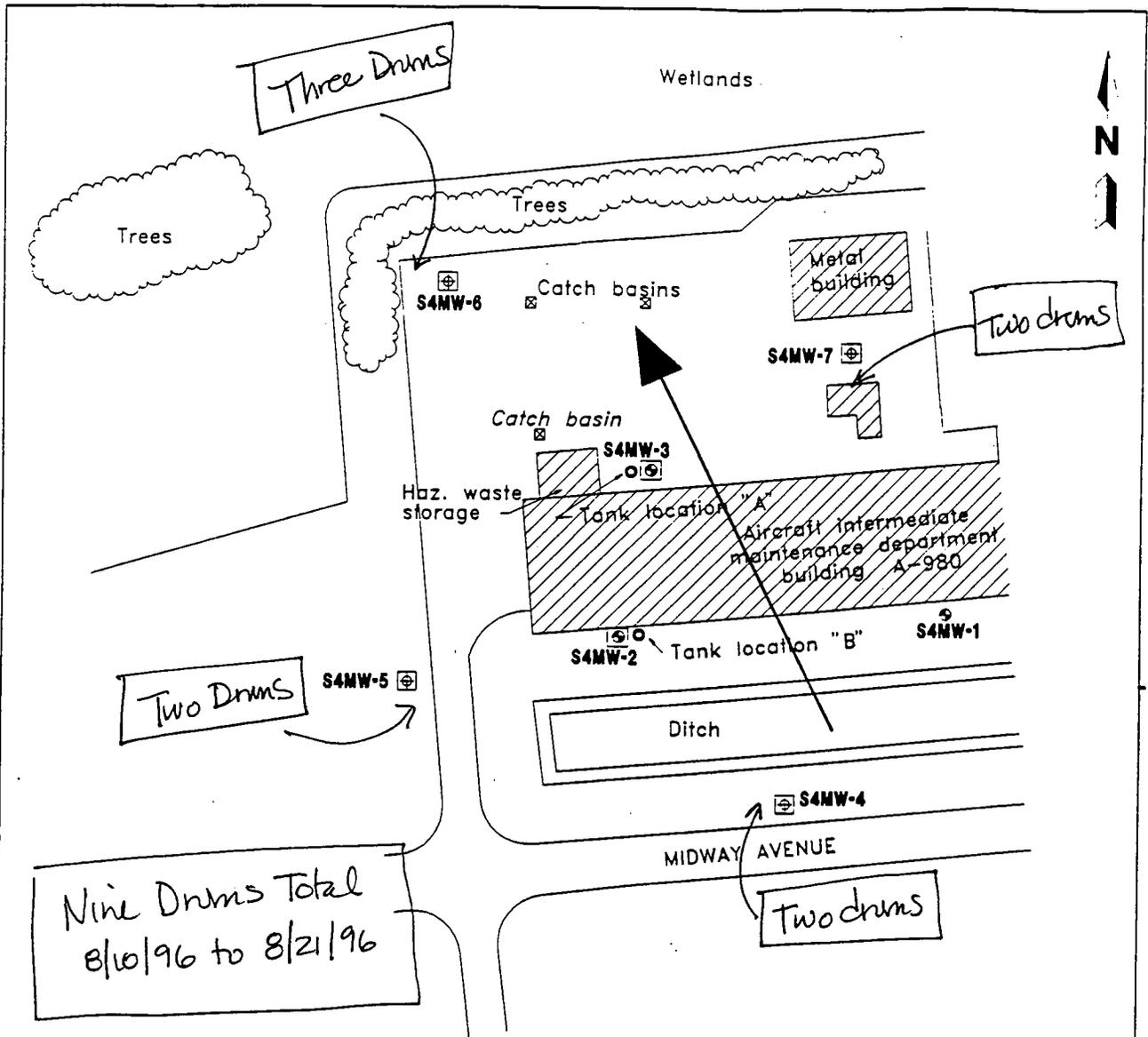
cc w/o attachment:

File ~~7046-AD1-05A105~~, 1.1.1

7046-3.2

IDW SUMMARY NAS KEY WEST PHASE II FIELDWORK

NO.	DRUM ID.	TYPE	DATE	SITE	LOCATION	COMMENTS
9	S4MW-5	s	8/10/96	SWMU-4	Boca Chica Bldg A-980 SWMU-4	drill cuttings
10	S4MW-6	s	8/10/96	SWMU-4	Boca Chica Bldg A-980 SWMU-4	drill cuttings
11	S4MW-4	s	8/10/96	SWMU-4	Boca Chica Bldg A-980 SWMU-4	drill cuttings
16	S4MW-5	gw	8/16/96	SWMU-4	Boca Chica Bldg A-980 SWMU-4	well purge water
17	S4MW-4	gw	8/16/96	SWMU-4	Boca Chica Bldg A-980 SWMU-4	well purge water
18	S4MW-7	s	8/21/96	SWMU-4	Boca Chica Bldg A-980 SWMU-4	drill cuttings
19	S4MW-7	gw	8/21/96	SWMU-4	Boca Chica Bldg A-980 SWMU-4	well purge water
38	S4MW-6	s	8/15/96	SWMU-4	Boca Chica Bldg A-980 SWMU-4	drill cuttings
39	S4MW-6	gw	8/15/96	SWMU-4	Boca Chica Bldg A-980 SWMU-4	well purge water
12	S5MW-4	gw	8/21/96	SWMU-5	Boca Chica Bldg A-989 SWMU-5	well purge water
13	S5MW-5	s	8/11/96	SWMU-5	Boca Chica Bldg A-989 SWMU-5	well purge water
20	S5MW-4	s	8/11/96	SWMU-5	Boca Chica Bldg A-989 SWMU-5	drill cuttings
14	BD	w	8/11/96	BD	Boca Chica Contractor's Yard	decon liquids
15	BD	w	8/11/96	BD	Boca Chica Contractor's Yard	decon liquids
26	AOC-B	s	8/21/96	AOC-B	Boca Chica Contractor's Yard	drill cuttings
27	SWMU-4	s	8/15/96	SWMU-4	Boca Chica Contractor's Yard	pad soil
28	BD	w	8/11/96	BD	Boca Chica Contractor's Yard	decon liquids
29	BD	t	8/11/96	BD	Boca Chica Contractor's Yard	decon solids
30	AOC-B	gw	8/22/96	AOC-B	Boca Chica Contractor's Yard	well purge water
31	AOC-B	gw	8/22/96	AOC-B	Boca Chica Contractor's Yard	well purge water
35	SWMU-4&7	gw	9/29/96	SWMU-4&7	Boca Chica Contractor's Yard	purge water
36	SWMU-5&A	gw	9/30/96	SWMU-5&A	Boca Chica Contractor's Yard	purge water
						s = soil solids
						gw or w = groundwater or decon water
						t = trash solids (plastic)



LEGEND

- Net direction of groundwater flow
- Former in-ground tank location
- Existing monitoring well location
- Existing monitoring well and groundwater sampling location
- Proposed monitoring well and groundwater sampling location

NOTES:

- SWMU Solid waste management unit
- RFI/RI Resource Conservation and Recovery Act (RCRA) Facility Investigation/Remedial Investigation

0 75 150

 SCALE: 1 INCH = 150 FEET

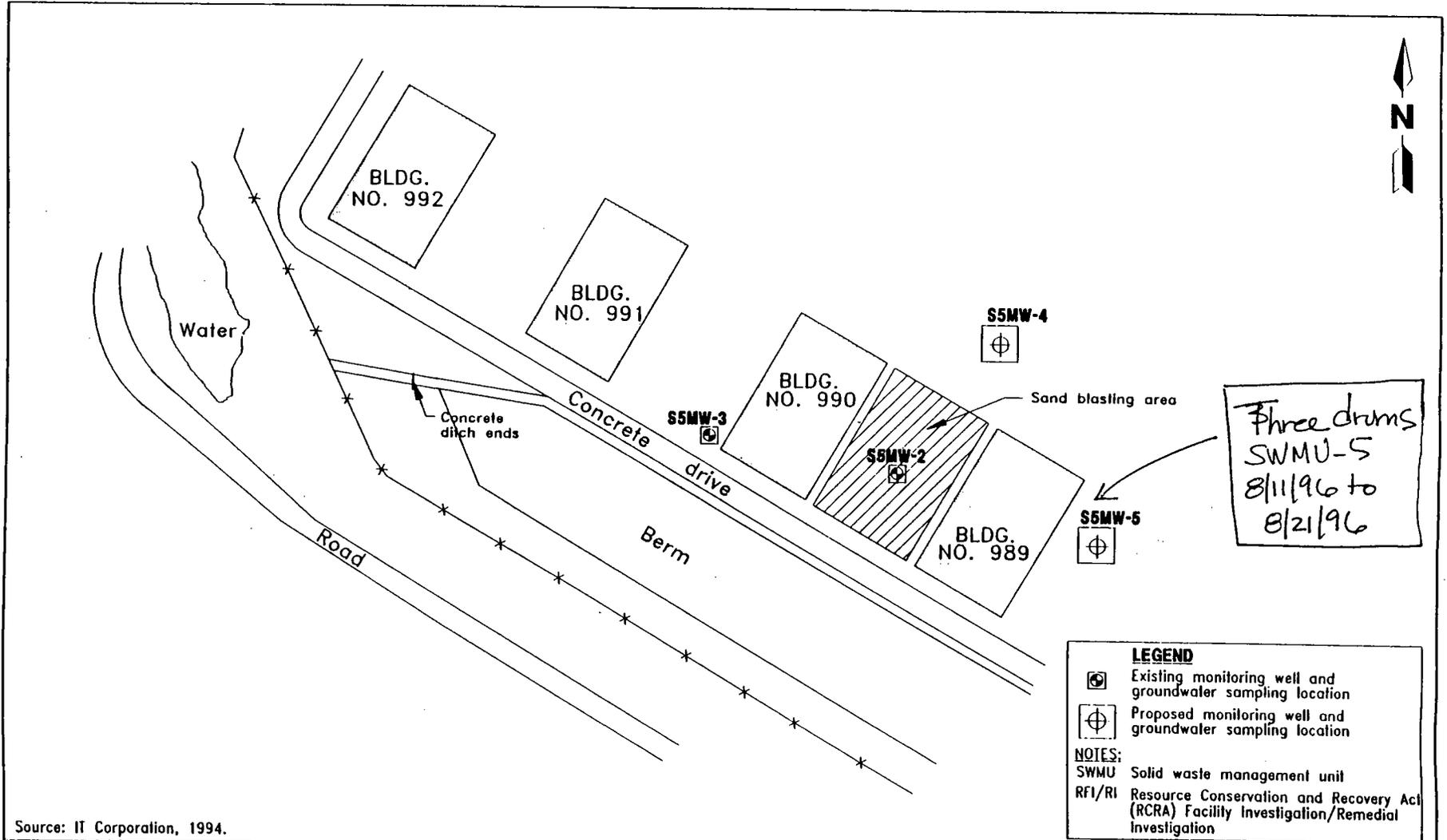
Source: IT Corporation, 1994.

FIGURE 3-12
PROPOSED AND PRE-EXISTING MONITORING WELLS
AND GROUNDWATER SAMPLING LOCATIONS,
SWMU NO. 4, AIMD BUILDING A-980



SUPPLEMENTAL RFI/RI
SAMPLING AND ANALYSIS PLAN

NAS KEY WEST
KEY WEST, FLORIDA



Source: IT Corporation, 1994.

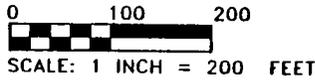


FIGURE 3-15
PROPOSED AND PRE-EXISTING MONITORING WELL
AND GROUNDWATER SAMPLING LOCATIONS
SWMU NO. 5, AIMD BUILDING A-990

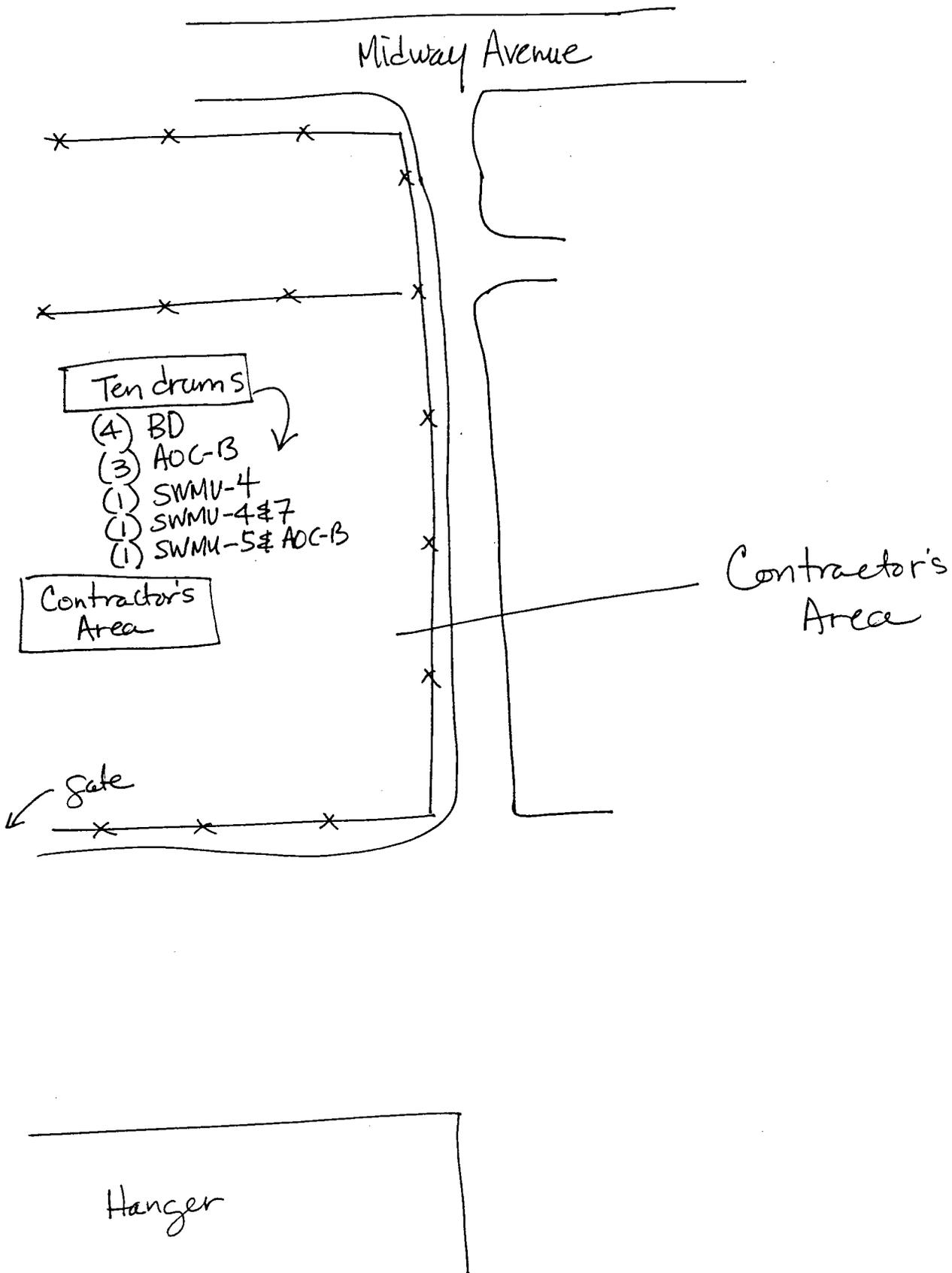


SUPPLEMENTAL RFI/RI
SAMPLING AND ANALYSIS PLAN

NAS KEY WEST
KEY WEST, FLORIDA

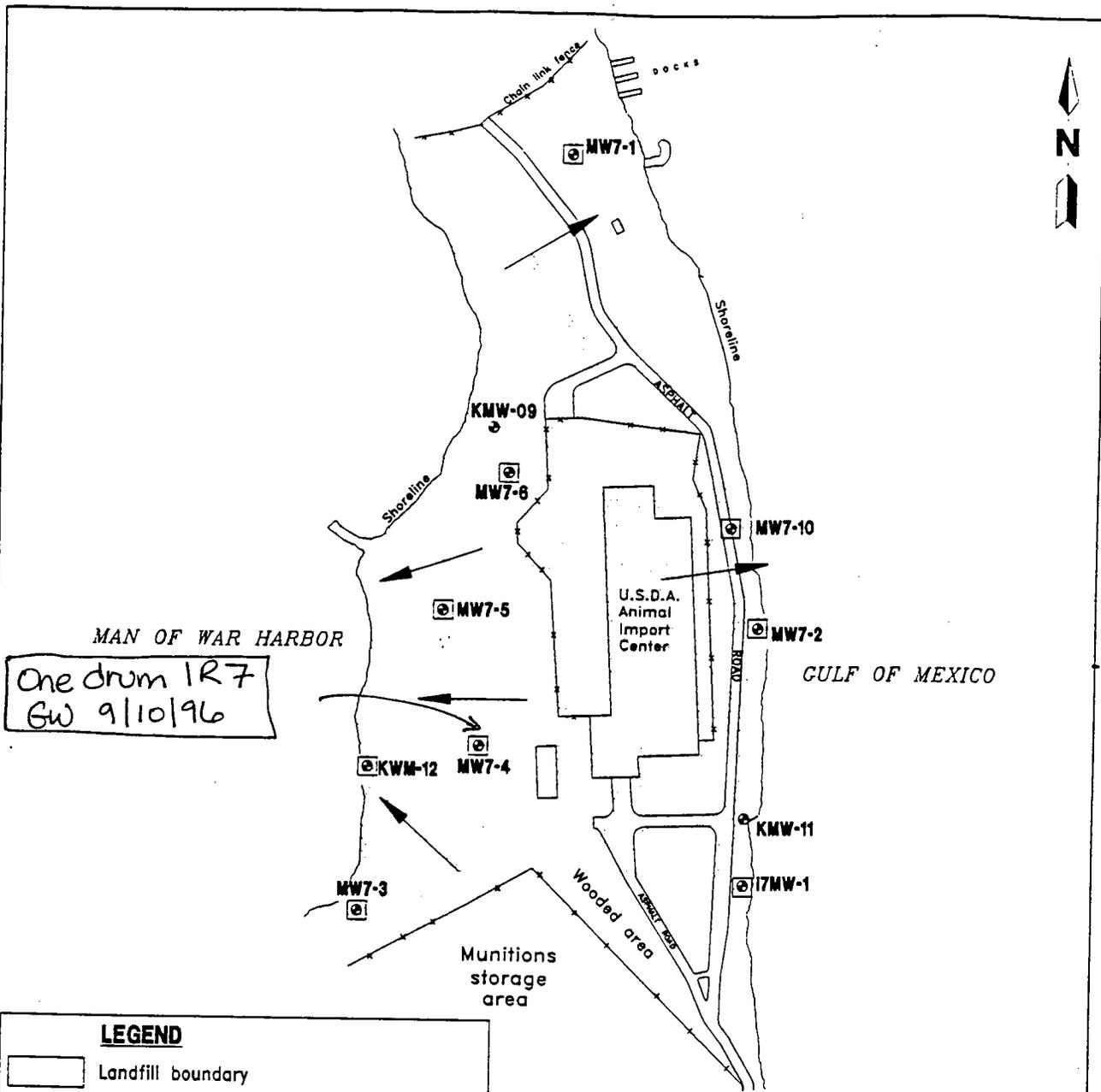
← Bldg. A-990 (1/4 mile)

North ↑



IDW SUMMARY NAS KEY WEST PHASE II FIELDWORK

NO.	DRUM ID.	TYPE	DATE	SITE	LOCATION	COMMENTS
41	IR7	gw	9/10/96	IR7	Fleming Key IR7 Field Behind USDA Bldg.	purge water
34	IR8	gw	8/11/96	IR8	Fleming Key IR8 On Fence Line Near Well MW8-5	purge water
4	TAD	w	8/7/96	TA	Truman Annex Outside Bldg. 112	decon liquids
32	TAD	w	8/10/96	TA	Truman Annex Outside Bldg. 112	decon liquids
33	TAD	w	8/21/96	TA	Truman Annex Outside Bldg. 112	decon liquids
42	IR3	s	9/19/96	TA	Truman Annex Outside Bldg. 112	drill cuttings
43	IR3	w	9/19/96	TA	Truman Annex Outside Bldg. 112	purge water
44	TAD	w	9/27/96	TA	Truman Annex Outside Bldg. 112	decon liquids
1	I1MW-6	s	8/7/96	IR1	Truman Annex IR 1 Antenna Farm	drill cuttings
2	I1MW-7	s	8/7/96	IR1	Truman Annex IR 1 Antenna Farm	drill cuttings
6	I1MW-7	gw	8/9/96	IR1	Truman Annex IR 1 Antenna Farm	well purge water
25	I1MW-6	gw	8/9/96	IR1	Truman Annex IR 1 Antenna Farm	well purge water
37	IR1	gw	9/26/96	IR1	Truman Annex IR 1 Antenna Farm near MW1-1	purge water
3	I3MW-5	s	8/8/96	IR3	Truman Annex IR 3 Corner Truman & DeKalb	drill cuttings
5	I3MW-6	s	8/9/96	IR3	Truman Annex IR 3 Corner Truman & DeKalb	drill cuttings
7	I3MW-4	s	8/9/96	IR3	Truman Annex IR 3 Corner Truman & DeKalb	drill cuttings
8	I3MW-5	gw	8/9/96	IR3	Truman Annex IR 3 Corner Truman & DeKalb	well purge water
21	I3MW-7	gw	8/21/96	IR3	Truman Annex IR 3 Corner Truman & DeKalb	well purge water
22	I3MW-4	gw	8/21/96	IR3	Truman Annex IR 3 Corner Truman & DeKalb	well purge water
23	I3MW-6	gw	8/21/96	IR3	Truman Annex IR 3 Corner Truman & DeKalb	well purge water
24	I3MW-7	s	8/20/96	IR3	Truman Annex IR 3 Corner Truman & DeKalb	drill cuttings
40	I3MW-7	s	8/21/96	IR3	Truman Annex IR 3 Corner Truman & DeKalb	pad soil
						s = soil solids
						gw or w = groundwater or decon water
						t = trash solids (plastic)



LEGEND

- Landfill boundary
- Existing monitoring well
- ⊕ Proposed groundwater sampling location
- Net direction of groundwater flow
- IR Installation restoration
- U.S.D.A. U.S. Department of Agriculture
- RFI/RI Resource Conservation and Recovery Act (RCRA) Facility Investigation/ Remedial Investigation

0 125 250
 SCALE: 1 INCH = 250 FEET

Source: IT Corporation, 1994.

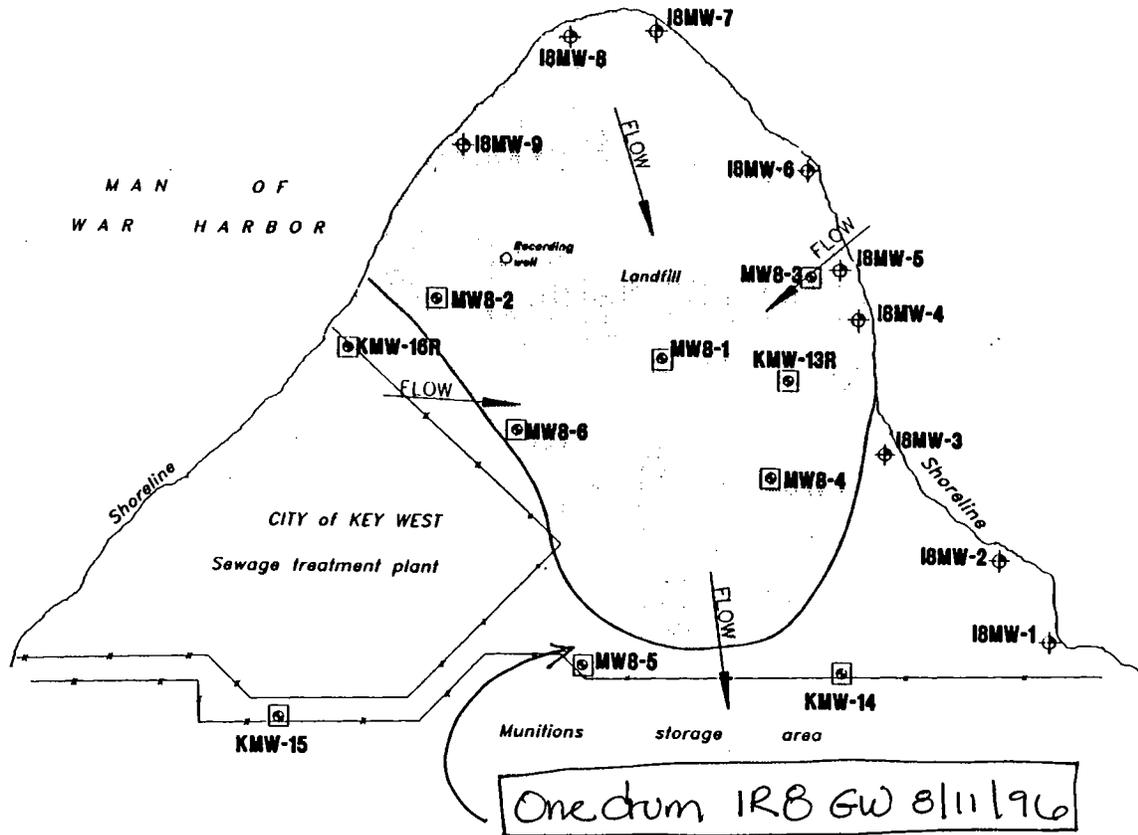
FIGURE 3-28
EXISTING MONITORING WELLS AND GROUNDWATER SAMPLING LOCATIONS IR NO. 7, FLEMING KEY NORTH LANDFILL



SUPPLEMENTAL RFI/RI SAMPLING AND ANALYSIS PLAN

**NAS KEY WEST
 KEY WEST, FLORIDA**

NAS KEY WEST RFI-RI\2028B21\JC-NP\12-07-95



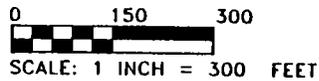
LEGEND

- FLOW Net direction of groundwater flow
- ⊕ Existing monitoring well location
- ⊕ Previous temporary well point
- ⊕ Proposed groundwater sampling location

NOTES:

- IR Installation restoration
- RFI/RI Resource Conservation and Recovery Act (RCRA) Facility Investigation/ Remedial Investigation

Source: IT Corporation, 1994.



**FIGURE 3-31
 PROPOSED AND EXISTING MONITORING WELLS
 AND GROUNDWATER SAMPLING LOCATIONS
 IR NO. 8,
 FLEMING KEY SOUTH LANDFILL**



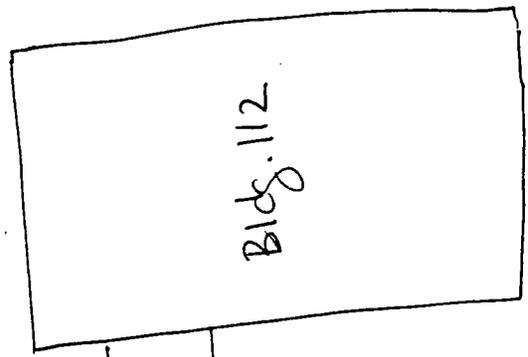
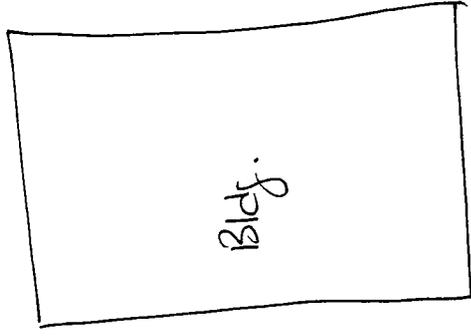
**SUPPLEMENTAL RFI/RI
 SAMPLING AND ANALYSIS PLAN**

**NAS KEY WEST
 KEY WEST, FLORIDA**

Fort Zachery Taylor Entrance



Navy Exchange



Six drums

(4) TAD (decon)

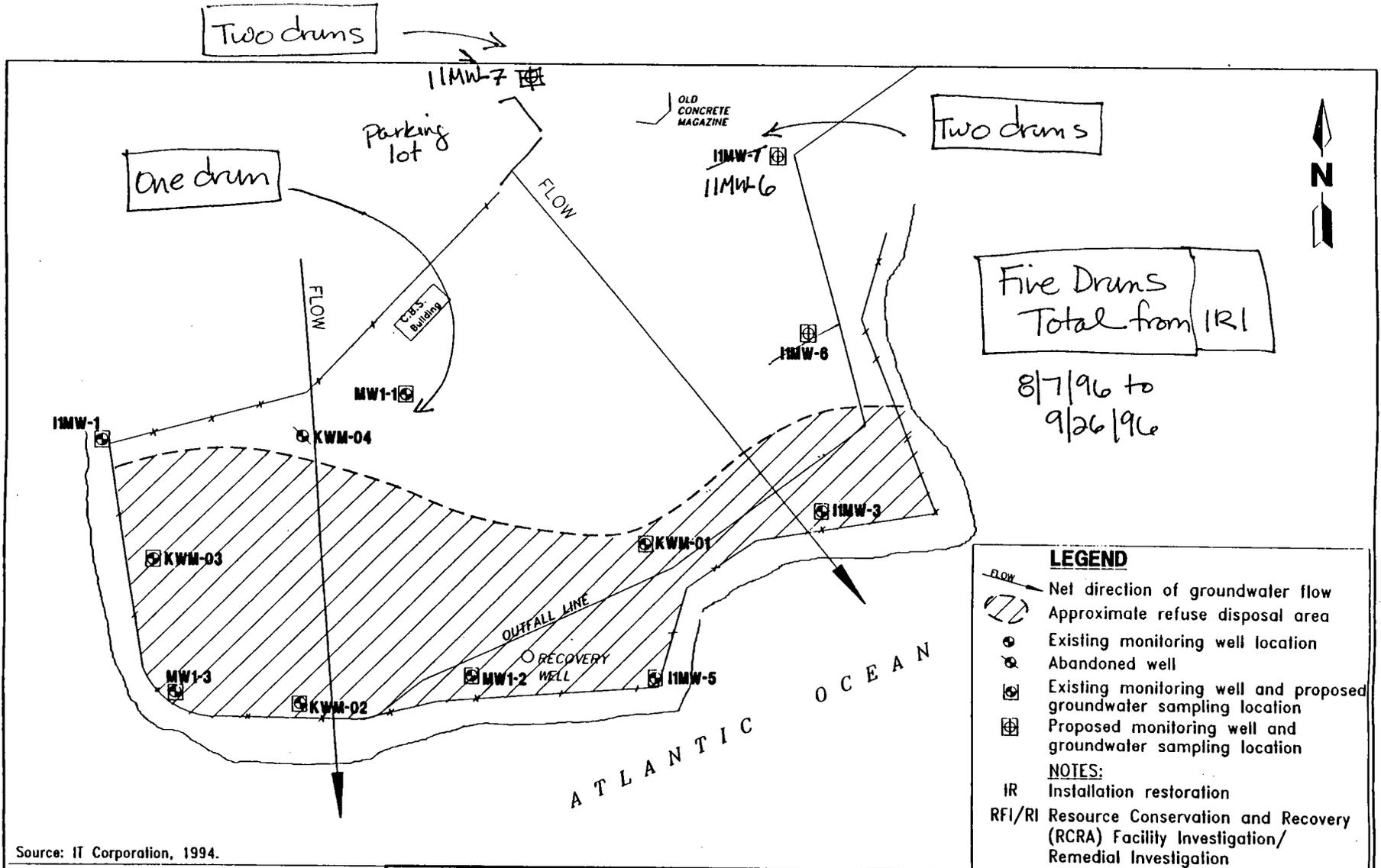
(2) IR3

8/7/96 to

9/27/96



Concrete Slabs



Source: IT Corporation, 1994.

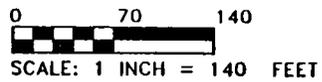


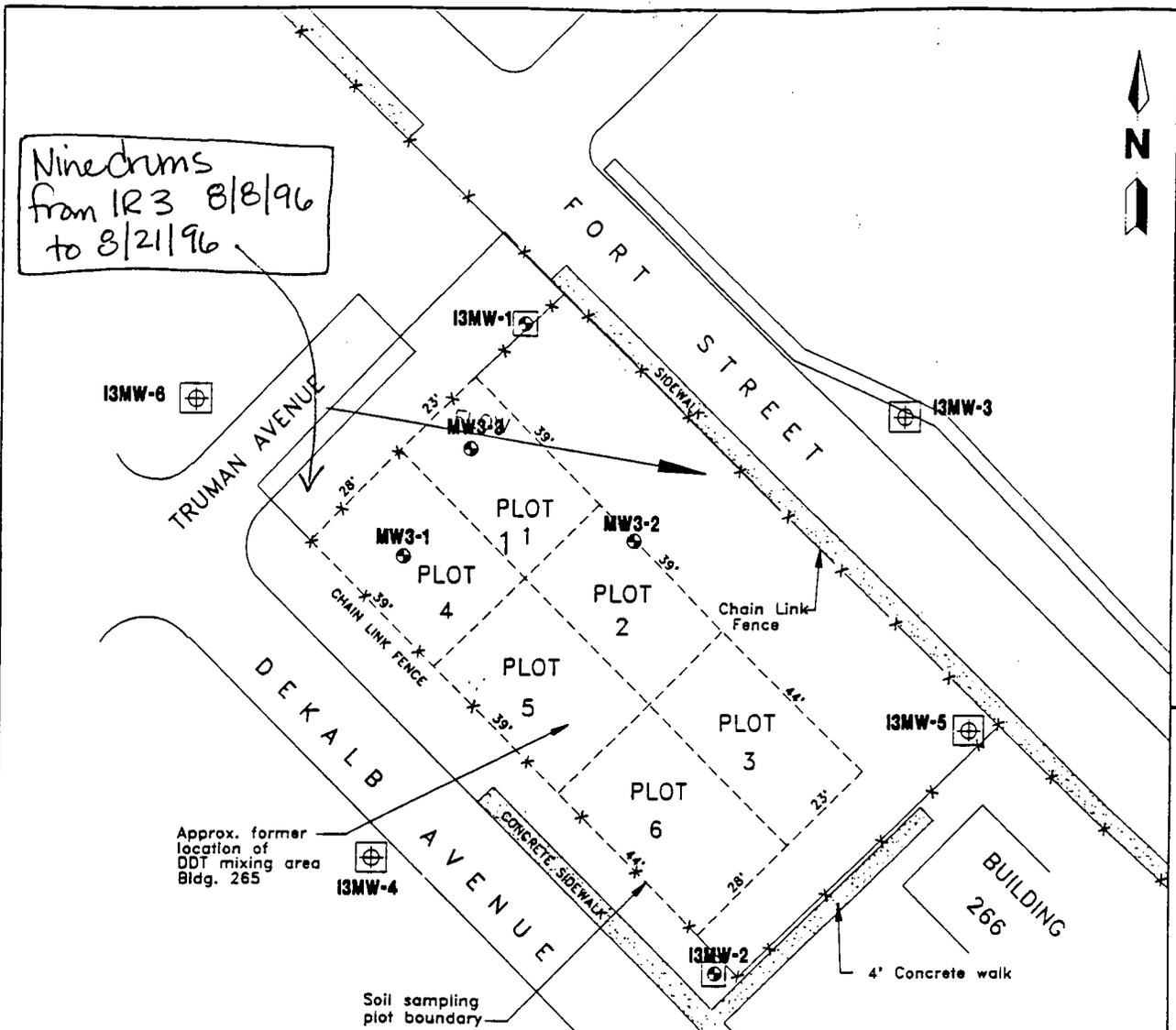
FIGURE 3-23
PROPOSED AND PRE-EXISTING MONITORING WELLS
AND GROUNDWATER SAMPLING LOCATIONS
IR NO. 1, TRUMAN ANNEX
REFUSE DISPOSAL AREA



SUPPLEMENTAL RFI/RI
SAMPLING AND ANALYSIS PLAN

NAS KEY WEST
KEY WEST, FLORIDA

Nine drums
from IR 3 8/8/96
to 8/21/96



LEGEND

Net direction of groundwater flow
 Plot boundary and number
 Existing monitoring well
 Existing monitoring well and groundwater sampling location
 Proposed monitoring well and groundwater sampling location
 DDT Dichlorodiphenyltrichloroethane
 IR Installation Restoration
 RFI/RI Resource Conservation and Recovery Act (RCRA) Facility Investigation/ Remedial Investigation

0 20 40
SCALE: 1 INCH = 40 FEET

Source: IT Corporation, 1994.

**FIGURE 3-25
PROPOSED AND PRE-EXISTING MONITORING WELLS
AND GROUNDWATER SAMPLING LOCATIONS,
IR NO. 3, TRUMAN ANNEX
DDT MIXING AREA**



**SUPPLEMENTAL RFI/RI
SAMPLING AND ANALYSIS PLAN**

**NAS KEY WEST
KEY WEST, FLORIDA**

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