POLLUTION INCIDENT/U.S.T. LEAK REPORTING FORM

Department of Environment, Health, Natural Resources
Division of Environmental Management
GROUNDWATER SECTION

Confirm. GW Contamination (Y/N) ✓
Major Soil Contamination (Y/N) ____
Minor Soil Contaminatin (Y/N) ____

Incident # 10002

Date Incident Occurred or Leak Detected 6·23·92

INCIDENT DESCRIPTION

Incident Location/Name: Harold Hall Property

Address: 108 W. Main St.

City/Town: Jamestown | County: Guilford | Region: WSRO

Briefly Describe Incident: Chlorinated solvents, gasoline and diesel constituents dissolved in GW discovered upon UST closure.

POTENTIAL SOURCE OWNER-OPERATOR

Potential Source Owner-Operator: Harold Hall | Telephone: 919·454·2878

Company: | Street Address: P.O. Box 396

City: Jamestown | County: Guilford | State: NC | Zip Code: 27282

OWNERSHIP
0. N/A 1. Municipal 2. Military 3. Unknown (4.Private) 5.Federal 6. County 7. State

OPERATION TYPE
0. N/A 1. Public Service 2. Agricultrural 3. Residential 4. Educational/Relig. 5. Industrial (6. Commercial) 7. Mining

POLLUTANTS INVOLVED

MATERIALS INVOLVED	AMOUNT LOST	AMOUNT RECOVERED
gasoline		
chlorinated solvents		

SOURCE OF POLLUTION

PRIMARY SOURCE OF POLLUTION (Select one)
1. Intentional dump
2. Pit, pond, lagoon
(3. Leak-underground)
4. Spray irrigation
5. Land application
6. Animal feedlot
7. Source unknown
8. Septic tank
9. Sewer line
10. Stockpile
11. Landfill
12. Spill-surface
13. Well
14. Dredge spoil
15. Nonpoint source

PRIMARY POLLUTANT TYPE (Select one)
1. Pesticide/herbicide
2. Radioactive waste
(3. Gasoline/diesel)
4. Heating oil
5. Other petroleum prod.
6. Sewage/septage
7. Fertilizers
8. Sludge
9. Solid waste leachate
10. Metals
11. Other inorganics
12. Other organics

LOCATION
(1. Facility)
2. Railroad
3. Waterway
4. Pipeline
5. Dumpsite
6. Highway
7. Residence
8. Other

SETTING
1. Residential
2. Industrial
(3. Urban)
4. Rural

Site Priority Ranking: 105/E

D.E.M. Regional Contact: K. Gage

Signature: K Gage

Date: 3·5·93

GW-61 Revised 3/92

IMPACT ON DRINKING WATER SUPPLIES

WELLS AFFECTED 1. YES (2. NO)

NUMBER OF WELLS AFFECTED _____

Well(s) Contaminated (User Name)

1.

2.

3.

4.

5.

Circle Appropriate Responses

Lab Samples Taken By: 1. DEM 2. DHS (3. Responsible Party) 4. Other 5. None

Samples Taken Include: (1. Groundwater) 2. Soil

LOCATION OF INCIDENT

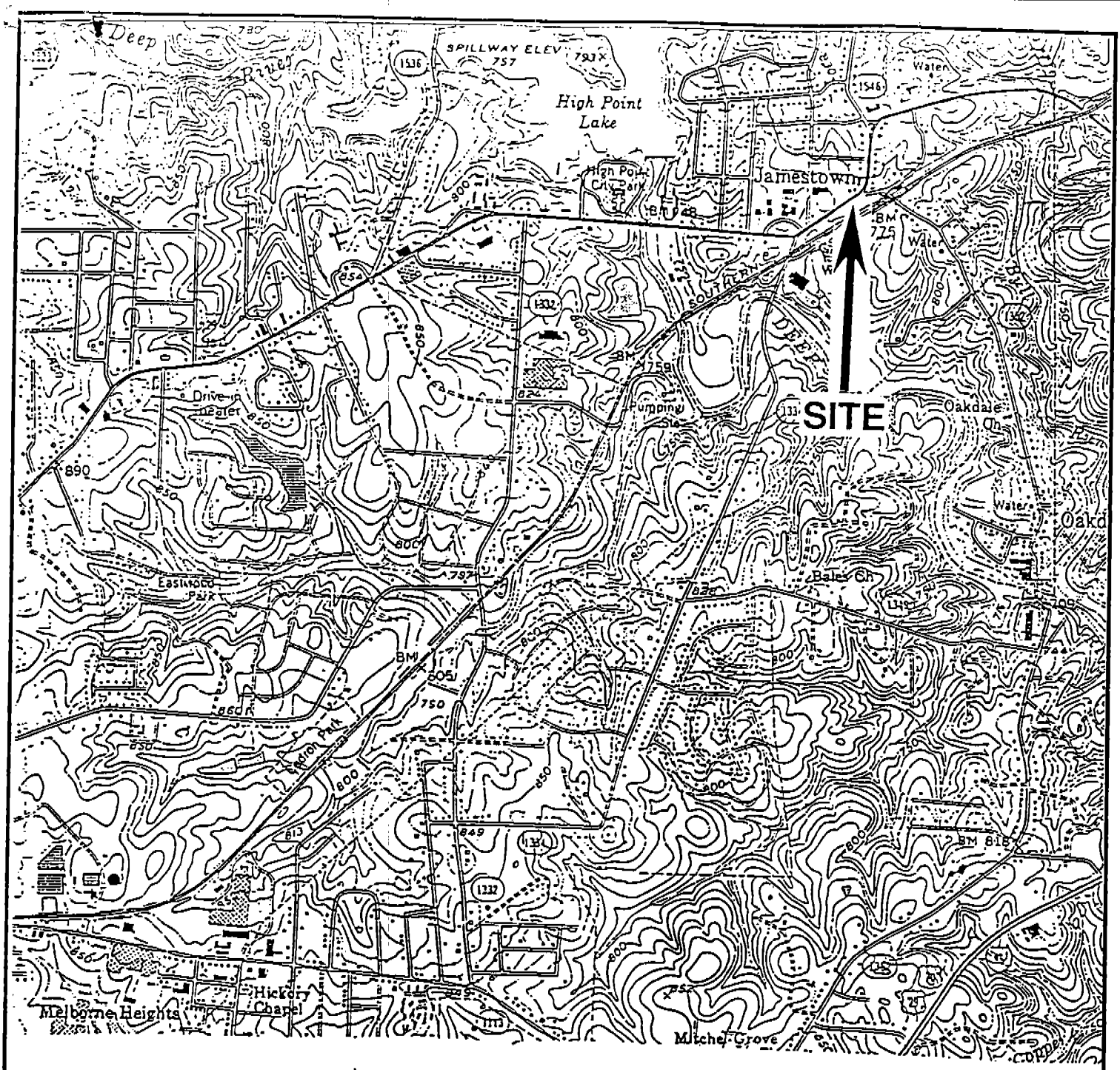
7 1/2 Min. Quad Name High Point East

5 Min. Quad Number

Lat. : Deg : Min : Sec : 35 : 59 : 38

Long. : Deg : Min : Sec : 79 : 56 : 9

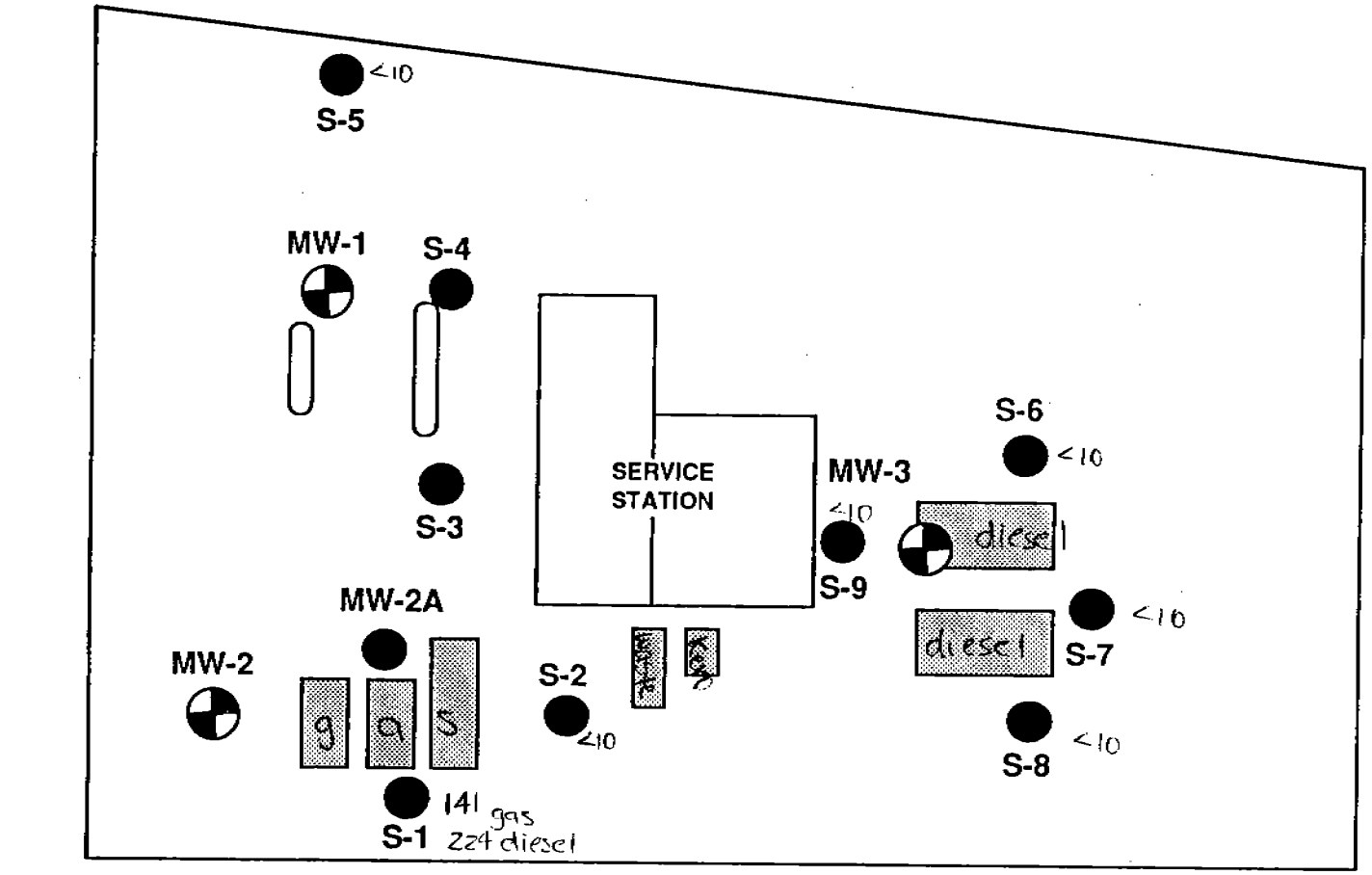
Draw Sketch of Area or Attach Additional Maps



0 2000
FEET

NORTH

ENGINEERING AND ENVIRONMENTAL SERVICES PO BOX 3009 HICKORY, NC 28603 (704)3282991		
HAROLD HALL PROPERTY JAMESTOWN, NORTH CAROLINA		
DATE 11/24/92	SCALE 1"=2000'	SITE LOCATION MAP
REV 0	APPROVAL RTB	REF.: U.S.G.S.- 7.5 MINUTE TOPOGRAPHIC MAP



APPROX. NORTH

0 40
FEET

– MONITORING WELL LOCATION

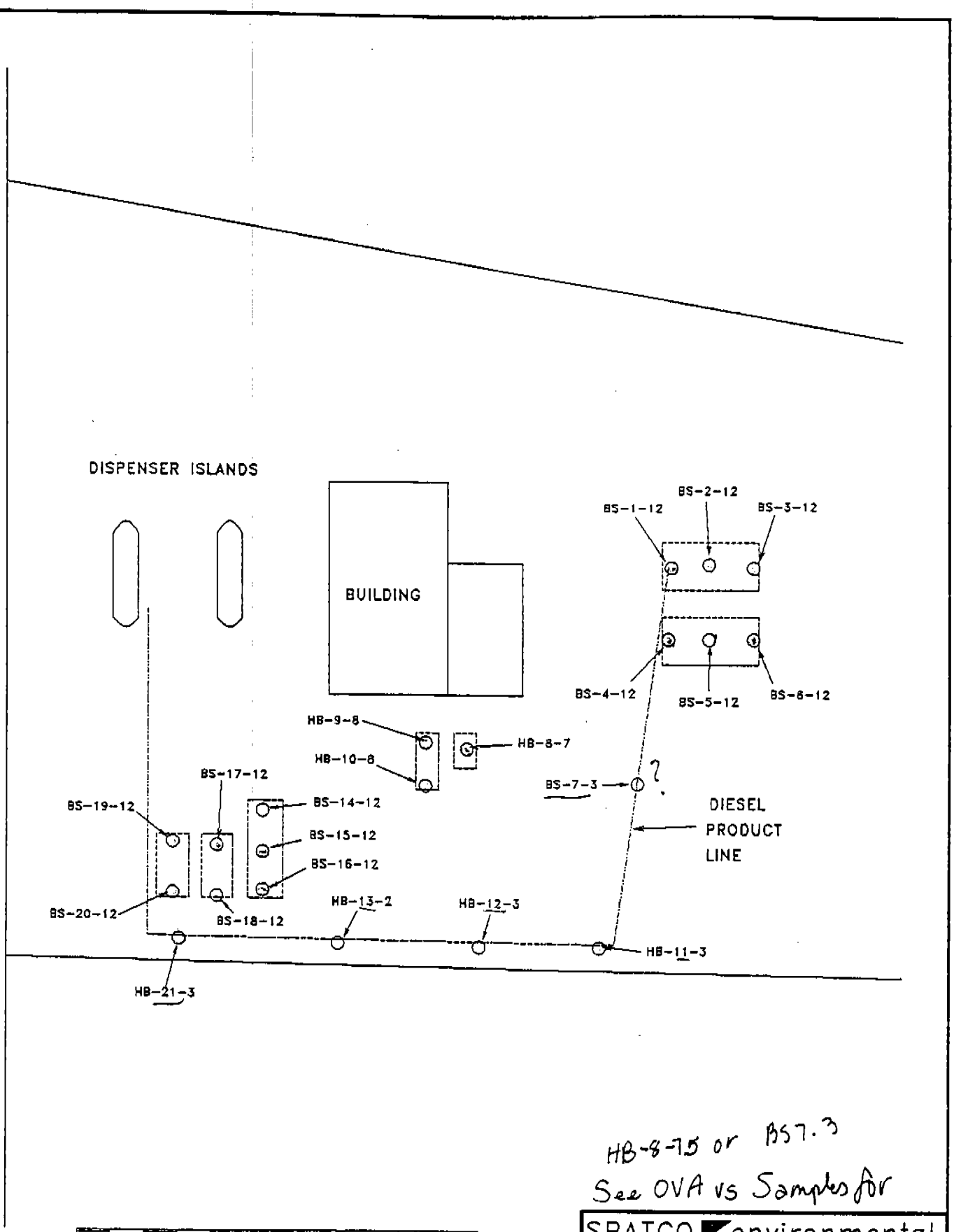
– BORING LOCATION

– FORMER UST LOCATION

ENGINEERING AND ENVIRONMENTAL SERVICES
PO BOX 3009 HICKORY, NC 28603 (704)3282991

HAROLD HALL PROPERTY
JAMESTOWN, NORTH CAROLINA

DATE	SCALE	APPROVAL	SITE PLAN
1/22/93	1"=40'	RTB	
REV 0	DRAWING NO. 92-095-0003		



HB-8-7.5 or BS7.3
See OVA vs Samples for

40 0 40 80
APPROXIMATE SCALE
1" = 40'

SPATCO environmental

FIGURE 2 – SOIL SAMPLE LOCATIONS
108 W. MAIN ST.
JAMESTOWN, NC

WO#

DATE:
DRAWN BY:

Table 3:
Soil Sample Laboratory Results

Sample #	Sample Depth	TPH (ppm)	TPFH (ppm)	Oil and grease (ppm)
BS-1-12	12 12K	11,000	NA*	NA
BS-2-12	12	1,500	NA	NA
BS-3-12	12	2,900	NA	NA
BS-4-12	12 12K	1,300	NA	NA
BS-5-12	12	7,300	NA	NA
BS-6-12	12	2,900	NA	NA
HB-8-7.5	7.5 550 K	11,000	NA	NA
HB-8-7	7	BDL**	NA	NA
HB-9-8	8 1K WD	NA	NA	170
HB-10-8	8 1K WD	NA	NA	260
HB-11-3	3 P.L	28	NA	NA
HB-12-3	3 P.L	BDL	NA	NA
HB-13-2	2 P.L	BDL	NA	NA
BS-14-10	10 10K	NA	1,500	NA
BS-15-10	10	NA	43	NA
BS-16-10	10	NA	1,700	NA
BS-17-12	12 6K	NA	880	NA
BS-18-12	12	NA	500	NA
BS-19-12	12 6K	NA	1,300	NA
BS-20-12	12	NA	290	NA
HB-21-3	3 P L	160	NA	NA

*NA = No analysis
**BDL = Below detection limits

P.L Product line

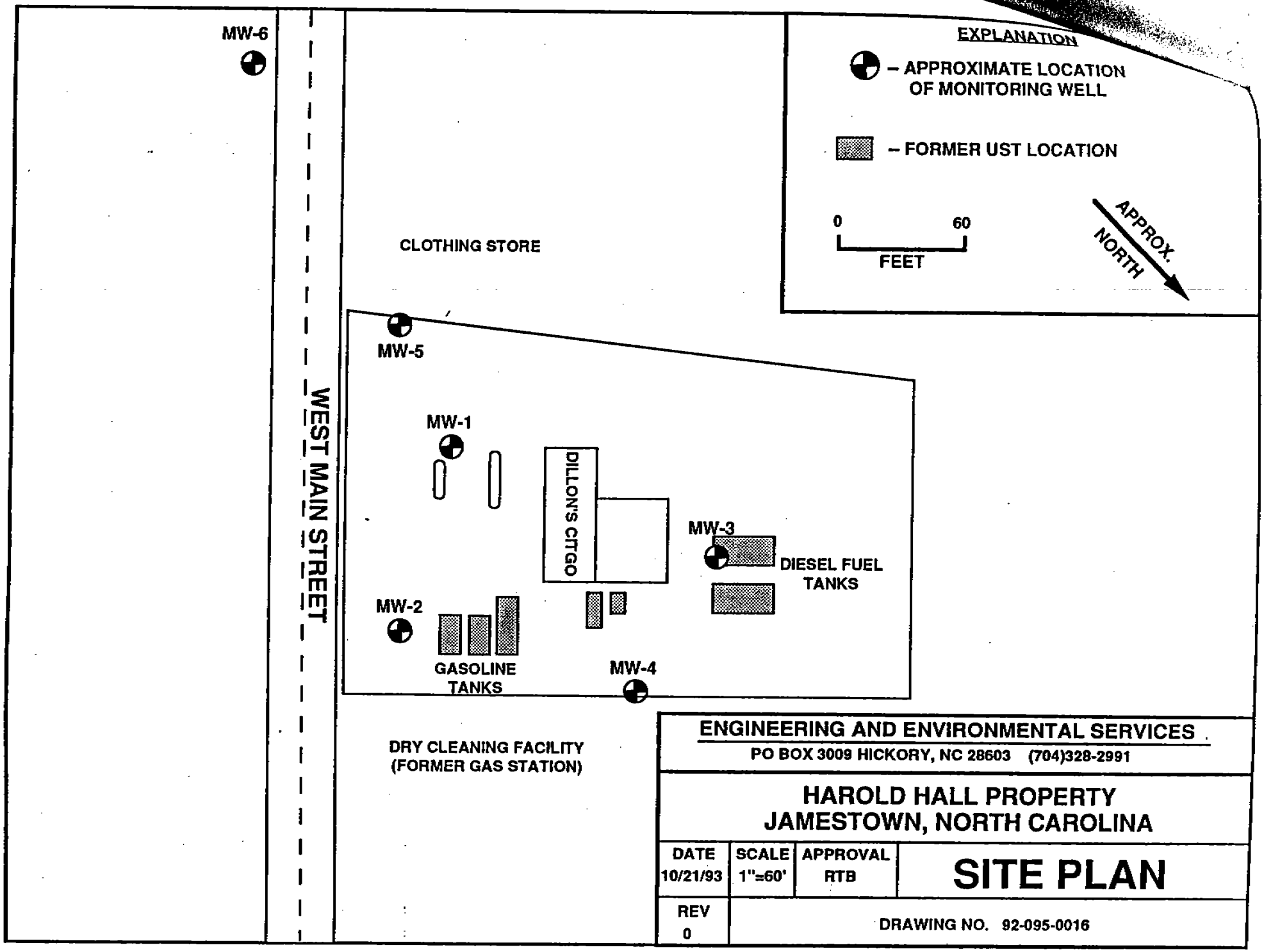

MW-6
WEST MAIN STREET
CLOTHING STORE
EXPLANATION
– APPROXIMATE LOCATION OF MONITORING WELL
– FORMER UST LOCATION
0
60
FEET
APPROX. NORTH
MW-5
MW-1
DILLON'S CITGO
MW-3
DIESEL FUEL TANKS
MW-2
GASOLINE TANKS
MW-4
DRY CLEANING FACILITY (FORMER GAS STATION)
ENGINEERING AND ENVIRONMENTAL SERVICES
PO BOX 3009 HICKORY, NC 28603 (704)328-2991
HAROLD HALL PROPERTY
JAMESTOWN, NORTH CAROLINA
DATE 10/21/93
SCALE 1"=60'
APPROVAL RTB
SITE PLAN
REV 0
DRAWING NO. 92-095-0016

TABLE 1

GROUNDWATER SAMPLE ANALYTICAL RESULTS
HAROLD HALL PROPERTY
JAMESTOWN, NORTH CAROLINA

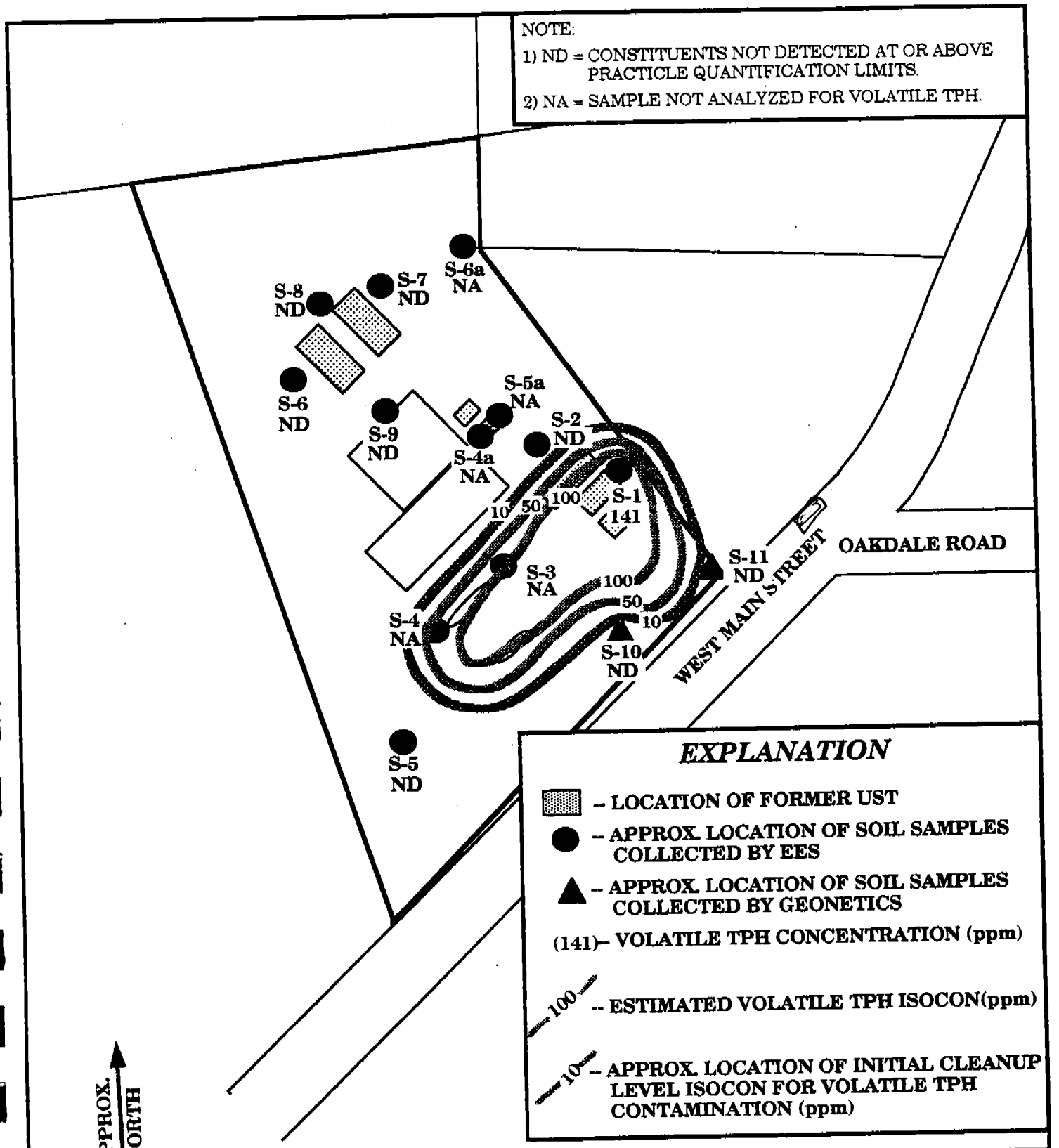
PARAMETER (ug/l)	WELL NUMBER MW-1	MW-2	MW-3	MW-4	MW-5	MW-6
TETRA-CHLOROETHYLENE	ND	ND	92	290	180	17
1,1,1-TRICHLOROETHANE	ND	ND	ND	ND	ND	130
TRICHLOROETHYLENE	ND	ND	ND	ND	28	ND
BENZENE	74,000	ND	ND	ND	ND	ND
TOULENE	180,000	1,900	105	ND	12	1.0
XYLENES	450,000	2,800	126	1.5	22	1.3
METHYL-T-BUTYL ETHER	ND	4,100	ND	ND	220	ND
ISOPROPYL ETHER	20,000	ND	ND	ND	180	7.3
ACENAPHTHENE	490	1,400	ND	ND	ND	ND
ACENAPHTHYLENE	ND	890	ND	ND	10	ND
ANTHRACENE	ND	2,300	ND	ND	12	ND
FLOURANTHENE	ND	5,300	ND	ND	ND	ND
FLUORENE	450	3,600	ND	ND	ND	ND
NAPHTHALENE	6,900	2,900	ND	ND	ND	ND
PHENANTHRENE	400	3,300	ND	ND	ND	ND
PYRENE	ND	260	ND	ND	ND	ND

NOTE: ND = Not detected at or above minimum quantification limits.

NOTE:

1) ND = CONSTITUENTS NOT DETECTED AT OR ABOVE PRACTICLE QUANTIFICATION LIMITS.

2) NA = SAMPLE NOT ANALYZED FOR VOLATILE TPH.



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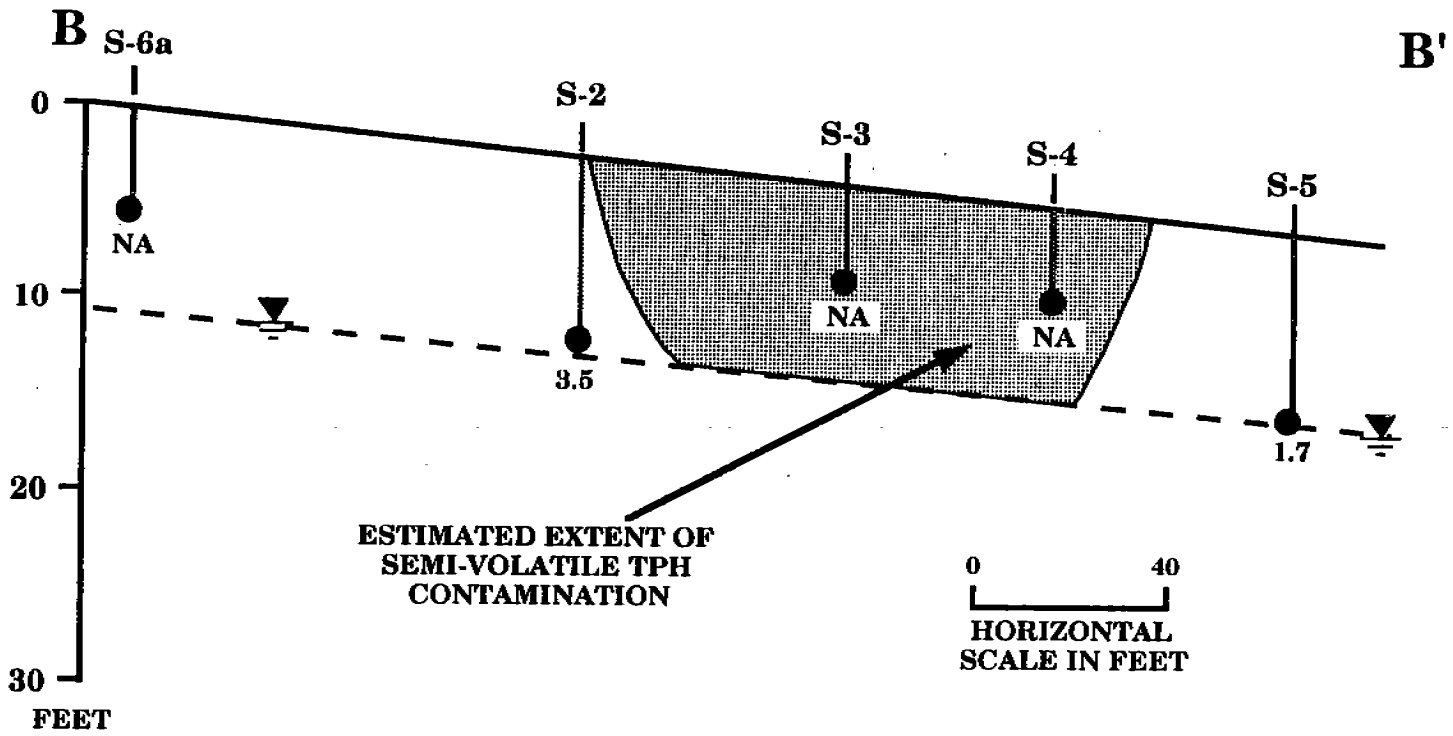
HAROLD HALL PROPERTY
JAMESTOWN, NORTH CAROLINA

JOB NO. 11594	VOLATILE TPH SOIL ISOCON MAP	FIGURE 14

KCS 9/29/94



EXPLANATION

● --SOIL SAMPLE COLLECTION POINT

--APPROXIMATE PIEZIOMETRIC SURFACE

3.5 --CONCENTRATION OF SEMI-VOLATILE TPH IN PPM

NA --SAMPLE WAS NOT ANALYZED FOR SEMI-VOLATILE TPH

KCS 9/27/94

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HAROLD HALL PROPERTY
JAMESTOWN, NORTH CAROLINA

JOB NO.	SEMI-VOLATILE TPH SOIL PROFILE B-B'	FIGURE 12
11594		

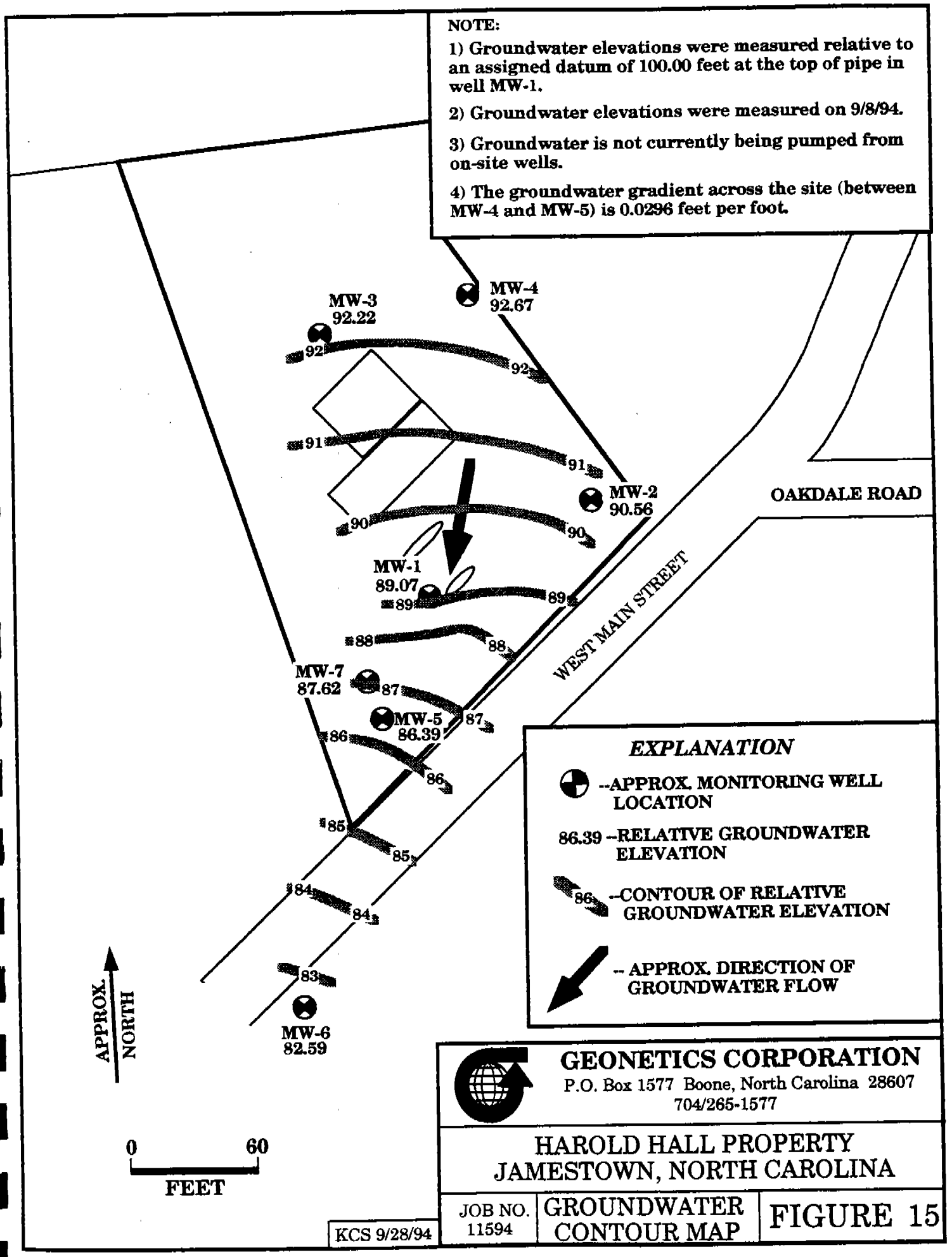
NOTE:

1) Groundwater elevations were measured relative to an assigned datum of 100.00 feet at the top of pipe in well MW-1.

2) Groundwater elevations were measured on 9/8/94.

3) Groundwater is not currently being pumped from on-site wells.

4) The groundwater gradient across the site (between MW-4 and MW-5) is 0.0296 feet per foot.



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HAROLD HALL PROPERTY
JAMESTOWN, NORTH CAROLINA

JOB NO. 11594	GROUNDWATER CONTOUR MAP	FIGURE 15

KCS 9/28/94

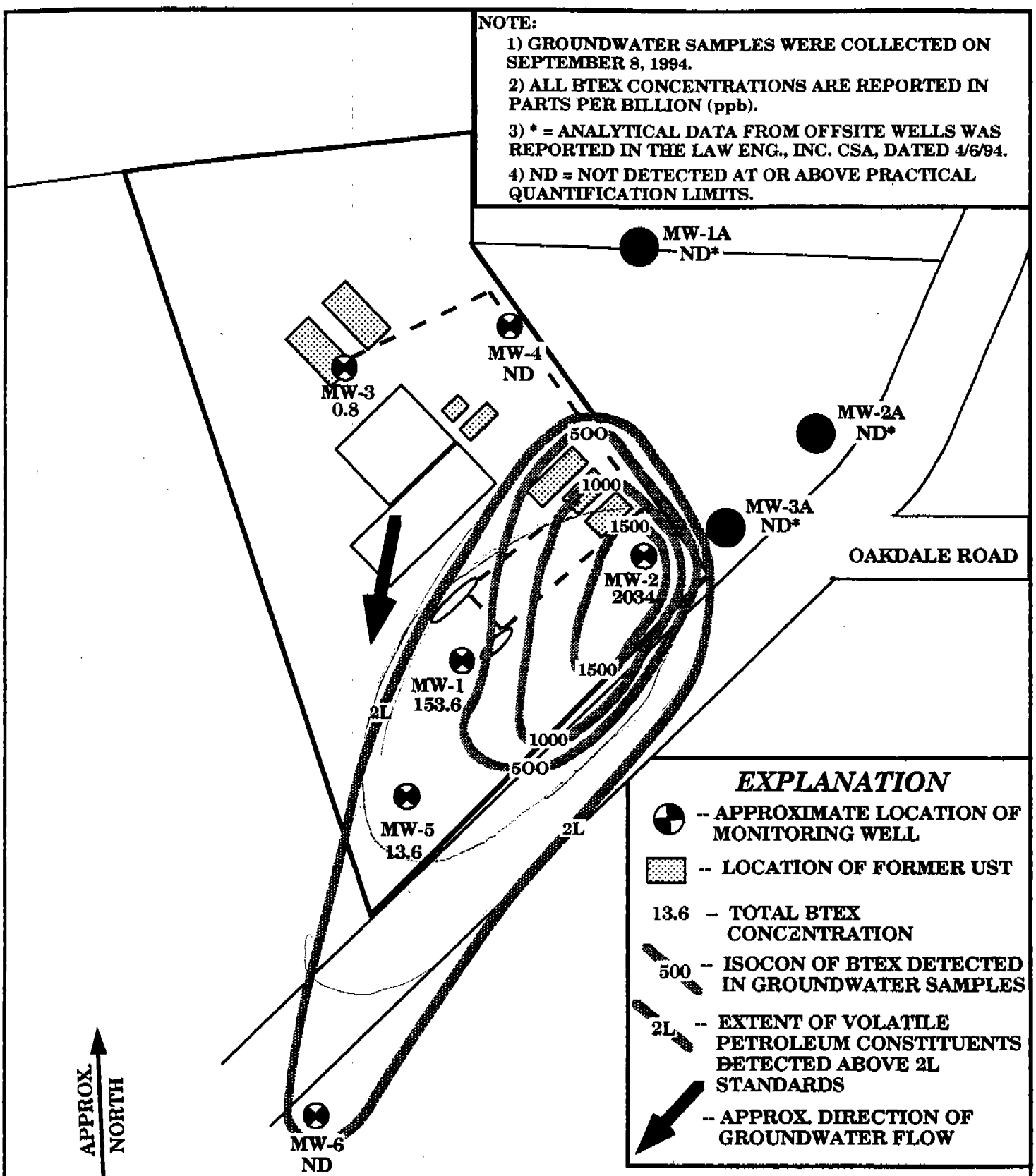
NOTE:

1) GROUNDWATER SAMPLES WERE COLLECTED ON SEPTEMBER 8, 1994.

2) ALL BTEX CONCENTRATIONS ARE REPORTED IN PARTS PER BILLION (ppb).

3) * = ANALYTICAL DATA FROM OFFSITE WELLS WAS REPORTED IN THE LAW ENG., INC. CSA, DATED 4/6/94.

4) ND = NOT DETECTED AT OR ABOVE PRACTICAL QUANTIFICATION LIMITS.



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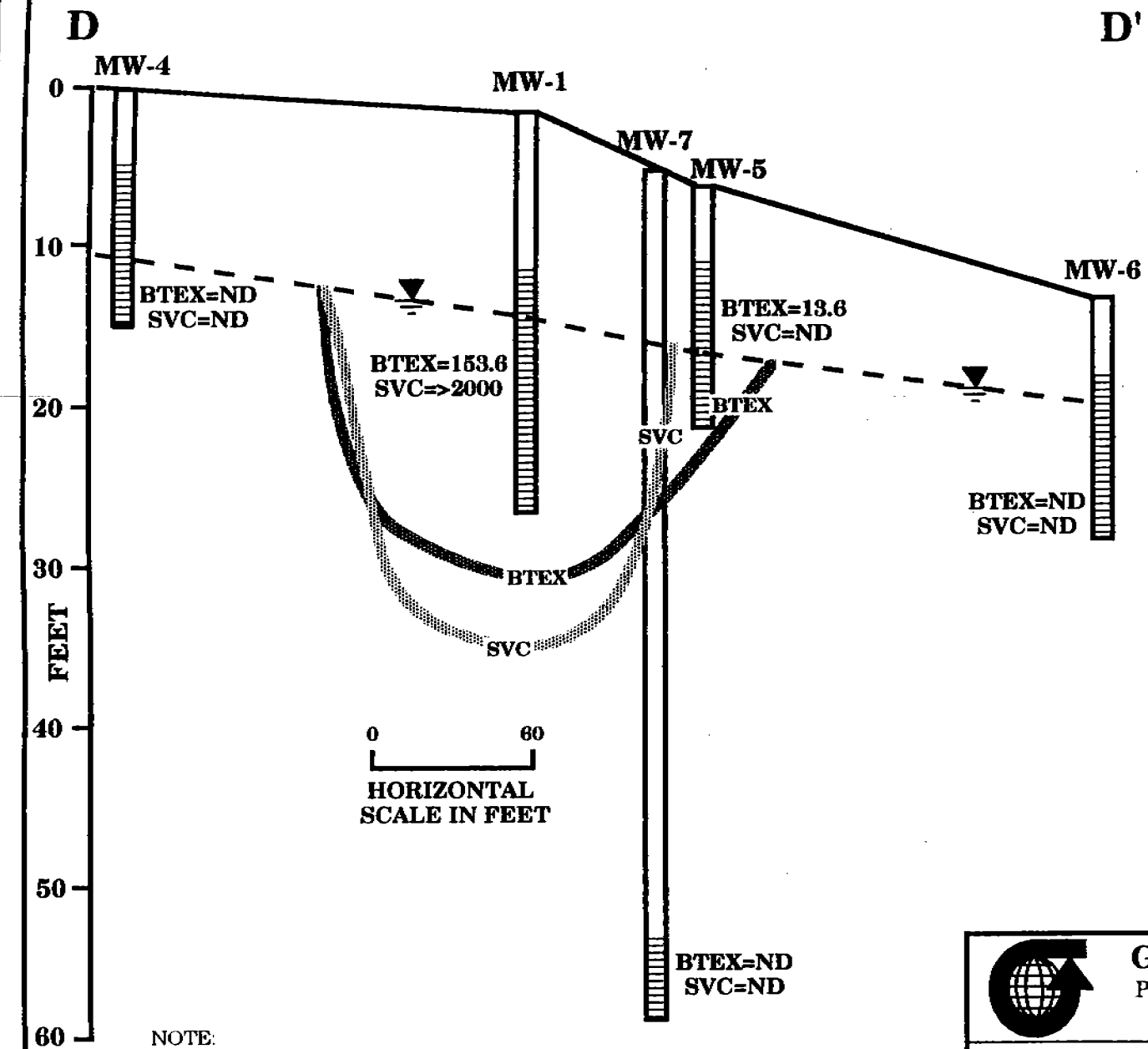
HAROLD HALL PROPERTY
JAMESTOWN, NORTH CAROLINA

JOB NO.	GROUNDWATER ISOCON MAP - BTEX	FIGURE 16
11594		

KCS 9/29/94



EXPLANATION

BTEX -- CONCENTRATION OF BTEX COMPOUNDS (in ppb)

SVC -- CONCENTRATION OF SEMI-VOLATILE ORGANIC COMPOUNDS (in ppb)

ND -- NOT DETECTED AT OR ABOVE PRACTICAL QUANTIFICATION LIMITS.

-- APPROXIMATE PIEZIOMETRIC SURFACE

BTEX -- INTERPOLATED EXTENT OF THE BTEX PLUME

SVC -- INTERPOLATED EXTENT OF THE SEMI-VOLATILE PETROLEUM PLUME

NOTE:

1) HORIZONTAL GRADIENT AT SITE IS 0.029 FEET PER FOOT. AN UPWARD VERTICAL GRADIENT WAS MEASURED IN WELL MW-7 ON SEPTEMBER 8, 1994

2) ANALYTICAL DATA IS BASED ON THE RESULTS FROM THE SEPTEMBER 15, 1994, SAMPLING EVENT

KCS 9/22/94

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HAROLD HALL PROPERTY
JAMESTOWN, NORTH CAROLINA

JOB NO.	GROUNDWATER PROFILE D-D'	FIGURE 20
11594		