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Site Name WILSON TECH-FIRE TRAINING

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AccessLevel PUBLIC

Division WASTE MANAGEMENT

Section SUPERFUND

Program IHS (IHS)

DocCat FACILITY

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT AND NATURAL RESOURCES
RALEIGH REGIONAL OFFICE



JAMES B. HUNT JR.
GOVERNOR

WAYNE McDEVITT
SECRETARY

Division of Water Quality
Groundwater Section
February 7, 2000

[Handwritten signature]

Mr. Alan Smith
Fredrickson Motor Express
P. O. Box 560704
Charlotte, NC 28262-0704

Subject: Soil Contamination Report
Oil/ Water Separator
Former Fredrickson Terminal
2309 Whitley Road
Wilson, Wilson County
Site Rank: 20D

Dear Mr. Smith:

A letter received on April 14, 1999 by the Groundwater Section of the Division of Water Quality (Groundwater) from Enviro-Logical Solutions, Inc. addressed the issue of missing information from the above referenced Report. The location and dimensions of the soil excavation and the chain of custody form were submitted in the letter. Unfortunately, the possible elevated levels of arsenic and barium have not been sufficiently addressed. If they occur in the soil naturally as suggested in the letter, than one or more soil samples collected in a clean area near the excavation should have similar levels. If they are not naturally occurring, the metals may still have been removed if the excavation extended below the depth of sample 10.1.

A Notice of Violation submitted on June 24, 1997 by Groundwater, required Fredrickson Motor Express to remove the contaminants and restore the area affected to its preexisting condition. Unless it can be shown with additional sampling that the arsenic and barium levels in the soil are naturally occurring or that they have been removed, Groundwater will

3800 BARRETT DRIVE, SUITE 101, RALEIGH, NORTH CAROLINA 27609
PHONE 919-571-4700 FAX 919-571-4718

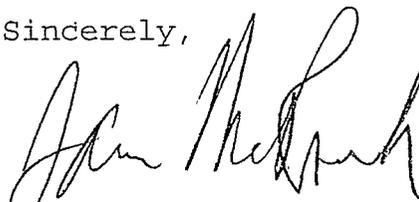
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consider the site to be contaminated and Fredrickson Motor Express to be in violation of the Oil Pollution and Hazardous Substance Control Act.

Therefore, please either 1) collect and analyze one or more soil samples from a clean portion of the site to determine background soil concentrations, 2) sample the groundwater beneath the excavation and analyze for total metals, 3) submit a contaminant transport model showing that arsenic and barium concentrations in the soil will not impact groundwater, or 4) collect and analyze a soil sample at eight feet in the former excavation to show that arsenic and barium have been removed.

Please provide this additional information on or before April 7, 2000. If you have any questions, please contact me at (919) 571-4700.

Sincerely,



Jim Roush
Hydrogeologist
Raleigh Regional Office

cc: File / JMR
Barry Lester, P.E., Enviro-Logical Solutions, Inc., 1147
Pleasant Oaks Drive, Mt. Pleasant, South Carolina 29464

P 281 678 661



Receipt for Certified Mail

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

MR RANDY PARKS
DIRECTOR OF OPERATIONS
FREDERICKSON MOTOR EXPRESS
CORPORATE OFFICE
3400 NORTH GRAHAM STREET

PO BOX 5369
CHARLOTTE NC 28225
NOV FREDERICKSON MOTOR EXPRESS
WILSON COUNTY
JWG -- 7/3/97

PS Form 3800, June 1991

Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date 7/3/97	

State of North Carolina
Department of Environment,
Health and Natural Resources
Raleigh Regional Office

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary



DIVISION OF WATER QUALITY
GROUNDWATER SECTION

June 24, 1997

CERTIFIED MAIL

RETURN RECEIPT REQUESTED:

Mr. Randy Parks
Director of Operations
Fredrickson Motor Express
Corporate Office
3400 North Graham Street
Post Office Box 5369
Charlotte, N.C. 28225

Subject: NOTICE OF VIOLATION
N.C. General Statutes 143-215, 143-215.84, 143-215.85
Fredrickson Motor Express
Wilson County

Dear Mr. Parks :

Chapter 143, Article 21A, of the North Carolina General Statutes, directs the Environmental Management Commission of the Department of Environment, Health, and Natural Resources to protect and preserve the water and air resources of the State. The Division of Water Quality (Division) has been charged with the duty and authority to enforce adopted pollution control rules and regulations.

On June 10, 1997 the Division conducted an investigation concerning the "unlawful discharge" of "oil" at 2309 Whitley Road, Wilson, North Carolina, Wilson County. This investigation determined that Fredrickson Motor Express, has caused a discharge of oil as a result of an unpermitted activity. This activity consisted of the over-loading of an oil-water separator and the improper storage of waste oils at the subject site. Observations by the investigator indicate that waste oils have been released from the oil-water separator and the storage area onto lands of the state.

3800 Barrett Drive, Suite 101,
Raleigh, North Carolina 27609
Voice 919-571-4700



FAX 919-571-4718
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50% recycled/10% post-consumer paper

Page 2

Fredrickson Motor Express

June 24 , 1997

The "unlawful discharge" of "oil" as defined by G.S. §143-215.77, is considered to be a violation of :

G.S. §143-215.83, which prohibits the discharge of oil or other hazardous substances to the lands or waters of the State, regardless of the fault of the person having control over the oil or hazardous substance, or regardless of whether the discharge was the result of intentional or negligent conduct, accident or other cause.

G.S. 143-215.85 requires Fredrickson Motor Express to immediately report the unlawful discharge of oil in writing to the Division. This office does not have any record of this release being reported to the Division prior to June 10, 1997.

G.S. 143-215.84 requires Fredrickson Motor Express to immediately undertake to collect and remove the discharge or release and to restore the area affected to its preexisting condition. The Division does not have any documentation on file indicating that the contamination has been cleaned-up.

As a result of the Division's investigation, Fredrickson Motor Express is determined to be in violation of G.S. 143-215.83, G.S. 143-215.84, G.S. 143-215.85 .Therefore, you are hereby requested to complete the following corrective actions on or before July 31 , 1997

1. Remove all contaminated soil, properly dispose of all waste, and restore the area to its preexisting conditions.

2. Contaminated soils shall not be disposed of without written permission from the Division, unless they are disposed of at a permitted facility. Please submit documentation of soil removal and soil analysis, and proper waste disposal, with any other relevant information to this office.

Page 3

Fredrickson Motor Express

June 24, 1997

You are requested to submit by June 30, 1997 a written response to this Notice, indicating your intention to achieve compliance with the above-cited statutes or the reasons why you cannot or will not comply. If this office does not receive a response as requested, we will assume that you intend to comply with the above cited statutes.

If you have any questions, please call Jimmie Greer or Phillip Orozco of the Raleigh Regional Office at (919) 571-4700.

Sincerely,

A handwritten signature in cursive script, appearing to read "Ken Schuster for".

Kenneth Schuster, P.E.
Regional Supervisor
Raleigh Regional Office

KS:JZ:PGO:JWG:

cc: File - RRO
Bob Cheek
H:\fme.oil.nov

**NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT AND NATURAL RESOURCES
RALEIGH REGIONAL OFFICE**



**JAMES B. HUNT JR.
GOVERNOR**

**WAYNE McDEVITT
SECRETARY**

**Division of Water Quality
Groundwater Section
March 4, 1999**

Mr. Alan Smith
Fredrickson Motor Express
P. O. Box 560704
Charlotte, NC 28262-0704

Subject: Review of the Soil Contamination Report
Oil/ Water Separator
Former Fredrickson Terminal
2309 Whitley Road
Wilson, Wilson County
Site Rank: 20D

Dear Mr. Smith:

The Groundwater Section of the Division of Water Quality reviewed the Soil Contamination Report for the above facility on March 2, 1999. The report was received on November 24, 1998.

The report was missing the following information:

- * The exact location and dimensions of the soil excavation.
- * Soil samples S-10 and S-10.1 contained concentrations of arsenic and barium. These constituents do not have Maximum Soil Contaminant Concentrations. Therefore, either 1) collect and analyze a soil sample from a clean portion of the site to determine background soil concentrations, 2) sample the groundwater beneath the excavation and analyze for total metals, or 3) submit a contaminant transport model showing that arsenic and barium concentrations in the soil will not impact groundwater.

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PHONE 919-571-4700 FAX 919-571-4718

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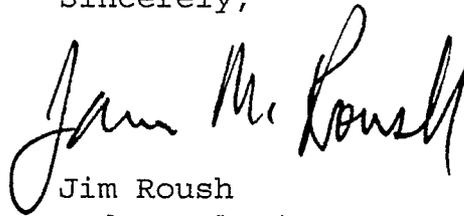
Fredrickson Motor Express

Page 2

* The Chain of Custody form.

Please provide this additional information on or before April 9, 1999. If you have any questions, please contact me at (919) 571-4700.

Sincerely,

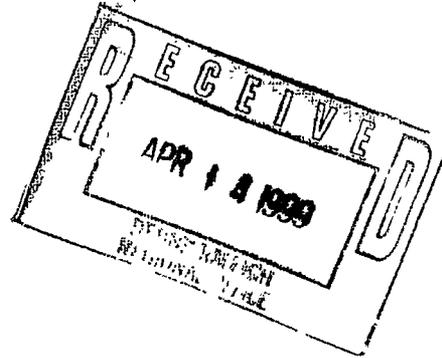
A handwritten signature in black ink, appearing to read "Jim M. Roush". The signature is written in a cursive style with a large initial "J".

Jim Roush
Hydrogeologist
Raleigh Regional Office

cc: File / JMR
Barry Lester, P.E., 1147 Pleasant Oaks Drive, Mt.
Pleasant, South Carolina 29464



ENVIRO-LOGICAL SOLUTIONS, INC.



April 12, 1999

North Carolina Department of
Environment and Natural Resources
Division of Water Quality
Raleigh Regional Office
3800 Barrett Dr., Suite 101
Raleigh, NC 28405

Attention: Jim Roush

RE: FREDRICKSON MOTOR EXPRESS TERMINAL
2309 Whitley Road
Wilson, NC
Soil Contamination Report

Dear Mr. Roush:

Enviro-Logical Solutions, Inc. (ELS) received the North Carolina Department of Environment and Natural Resources (NCDENR) letter of March 4, 1999 concerning the review of our Soil Contamination Report. The letter noted three areas of concern regarding the report:

- 1) The exact location and dimensions of the soil excavation.
- 2) The Chain of Custody form.
- 3) Concentrations of arsenic and barium found in soil samples S-10 and S-10.1.

Enclosed with this letter you will find additional Figures detailing the location and size of the excavation, and a copy of the Chains of Custody for samples S-10 and S-10.1.

With regard to the concentrations of arsenic and barium encountered at the site, a substantial quantity of material was removed from the area around the former oil/water separator. The incident report stated that the release was of waste oil. Waste oil could possibly contain levels of chromium and/or lead, but would not typically contain barium and arsenic. The results of the sampling demonstrated that concentrations of lead and chromium are not present in levels exceeding Maximum Soil Contaminant Concentrations. Additionally, the results of the analysis for oil and grease showed concentrations below action levels established by the State of North Carolina, and the depth of excavation and removal of soils was two feet deeper than sample depth. Therefore, it can be reasoned that the presence of arsenic and barium in the soil is not due to the oil/water separator spill.



**ENVIRO-LOGICAL
SOLUTIONS, INC.**

The occurrence of barium and arsenic in the soil is more likely naturally occurring. ELS is currently in discussions with the North Carolina Geological Survey and the Soil Conservation Service to obtain information on the presence of arsenic and barium in native North Carolina soils in the vicinity of Wilson. When we receive information from these agencies, it will be forwarded on to NCDENR.

Based on these points, ELS does not feel that any additional work is required at this site. Therefore ELS, on behalf of Fredrickson, again requests that a closure with "No Further Action" be issued for this incident. Your prompt attention regarding this situation is greatly appreciated. Should you have any questions or require additional information please do not hesitate to contact us.

Sincerely,
ENVIRO-LOGICAL SOLUTIONS, INC.

Barry J. Lester, P.E.
Division Manager

ENCLOSURES

cc: Alan Smith, Fredrickson Motor Express Corporation
Brian Heim, Womble Carlyle Sandridge & Rice

DESIGNED BY:

CHECKED BY:

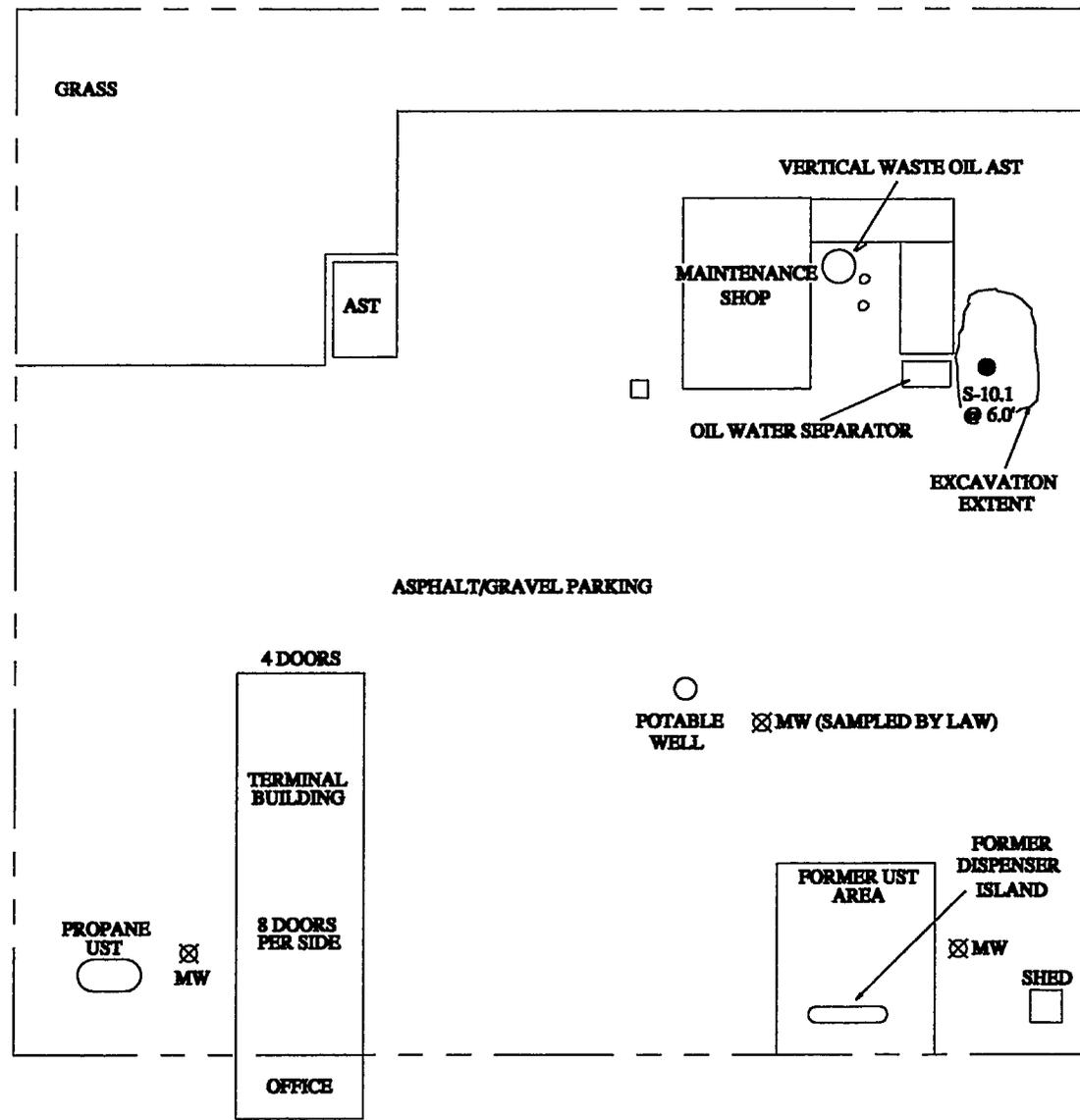
APPROVED BY:

DRAFTED BY: LTF

PROJECT# 98-269-00

CAD FILE# SITE

DWG DATE: 9/29/98



○ POTABLE WELL



ENVIRO-LOGICAL SOLUTIONS, INC.
 1147 PLEASANT OAKS DR.
 MT. PLEASANT, SC 25464
 (843) 881-8524

NOT TO SCALE

SITE LOCATION
 FORMER FREDERICKSON
 HIGHWAY 301
 WILSON, NC

TITLE
 FIGURE
 LOCATION OF EXCAVATION-10/14/98

DESIGNED BY:

CHECKED BY:

APPROVED BY:

DRAFTED BY: LTF

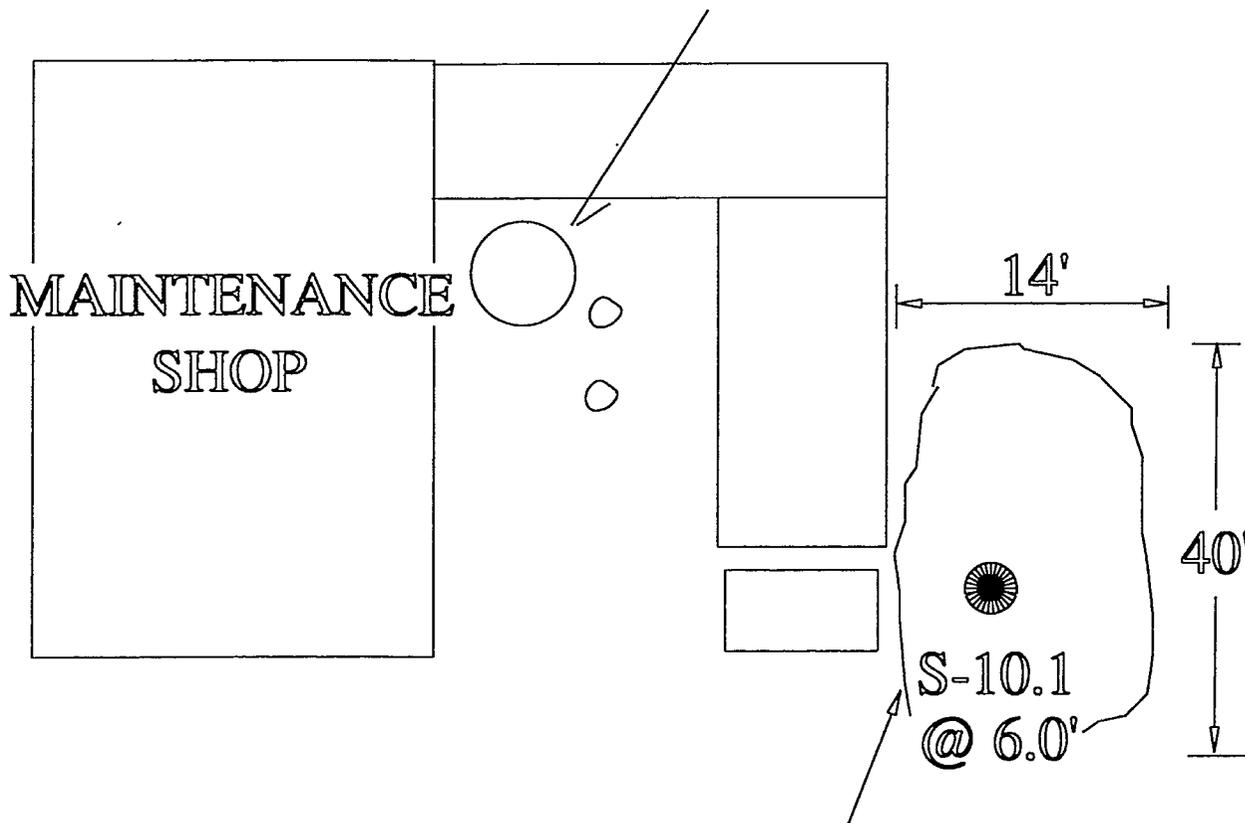
PROJECT#

CAD FILE#

SITE

DWG DATE:

VERTICAL WASTE OIL AST



EXCAVATION EXTENT (DEPTH= 8')



ENVIRO-LOGICAL SOLUTIONS, INC.
 1147 PLEASANT OAKS DR.
 MT. PLEASANT, SC 25464
 (843)881-8524

NOT TO SCALE

SITE LOCATION
 FORMER FREDRICKSON
 HIGHWAY 301
 WILSON, NC

TITLE
 FIGURE
 EXTENT OF EXCAVATION



SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
 P.O. Box 40566
 Nashville, TN 37204-0566
 Phone 1-615-726-0177

ENVIRO-LOGICAL SOLUTIONS, INC 8141
 BARRY LESTER
 1147 PLEASANT OAKS DRIVE
 MOUNT PLEASANT, SC 29464

CHAIN OF CUSTODY

Project Number: 98-269-00				Sampler: P. CASSEDAY				9071 W/ SILICA GEL OIL & GREASE FILTRATION		8 RCRA METALS		Analysis Requested					
Project Name: WILSON-FREDRICK SON				SAE Quote:													
Lab No.	Field Number	Date	Time	Matrix	Grab	Comp	Bottles										
	S-4.1	10-14-98	1415	SOIL	X		1-2oz	X									
	S-5.1	10-14-98	1410	SOIL	X		1-2oz	X									
	S-8.1	10-14-98	1520	SOIL	X		1-2oz	X									
	S-10.1	10-14-98	1630	SOIL	X		2	X	X								
Relinquished by:		D/T	Received by:		D/T	Relinquished by:		D/T	Received by:		D/T						
R. Paul Casseday		10-14-98															
		1700															
Relinquished by:		D/T	Received by:		D/T	Relinquished by:		D/T	Received by:		D/T						

Cooler Temperature When Received:	SPECIAL INSTRUCTIONS: SAMPLED IN <u>NORTH CAROLINA</u> <u>24 HR TURNAROUNDS!</u>
Laboratory Project Number:	
Cooler Seals Intact?	
Fed-X Air Bill Number:	



SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
 P.O. Box 40566
 Nashville, TN 37204-0566
 Phone 1-615-726-0177

ENVIRO-LOGICAL SOLUTIONS, INC 8141
 BARRY LESTER
 855 B COLEMAN BLVD
 MOUNT PLEASANT, SC 29464

CHAIN OF CUSTODY

Project Number: 98269-00				Sampler: P. CASSEDAY				Analysis Requested			
Project Name: Wilson-Fredrickson				SAE Quote:							
Lab No.	Field Number	Date	Time	Matrix	Grab	Comp	Bottles	OIL & GREASE	BNA's	METALS	VDA
115545	S-10	9-22-98	1540	SOIL	X		3	X	X	X	X
Relinquished by:		D/T	Received by:		D/T	Relinquished by:		D/T	Received by:		D/T
<i>R. Paul Caseday</i>		9-22-98									
		1630									
Relinquished by:		D/T	Received by:		D/T	Relinquished by:		D/T	Received by:		D/T

Cooler Temperature When Received:	SPECIAL INSTRUCTIONS: SAMPLED IN NORTH CAROLINA
Laboratory Project Number:	
Cooler Seals Intact?	
Fed-X Air Bill Number:	

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) <input checked="" type="checkbox"/>	Incident # <u>17588</u>
Major Soil Contamination (Y/N) <input checked="" type="checkbox"/>	Date Incident Occurred or Leak Detected <u>97-6-6</u>
Minor Soil Contamination (Y/N) <input type="checkbox"/>	

INCIDENT DESCRIPTION

Incident Location/Name Fredrickson Motor Express
 Address 2309 Whitley Rd NC 27893 (using Hwy 301 N.)
 City/Town Wilson County Wilson Region Raleigh
 Briefly Describe Incident oil/water separator at shop was OVERLOAD AND discharged at CANSURFACE. Mr. Ray Hudnell of Wilson Co. ENV. HEALTH Dept. Notified EHNRC-DWR-OW-JWGreen.

POTENTIAL SOURCE OWNER-OPERATOR

Potential Source Owner-Operator SAME c/o Mr Randy Parks Wilson Telephone OFFICE
919 399-1111
704 376 2471
 Company Corporate OFFICE Street Address 3700 N Graham St
 City Charlotte County Mecklenburg State NC Zip Code 28225

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. Agricultural 3. Residential 4. Educational/Relig. 5. Industrial 6. Commercial 7. Mining

POLLUTANTS INVOLVED

MATERIALS INVOLVED	AMOUNT LOST	AMOUNT RECOVERED
<u>Waste OIL & SOLVENTS</u>	<u>UNK</u>	<u>UNK</u>

SOURCE OF POLLUTION

PRIMARY SOURCE OF POLLUTION (Select one)	PRIMARY POLLUTANT TYPE (Select one)	LOCATION	SETTING
1. Intentional dump	1. Pesticide/herbicide	<input checked="" type="checkbox"/> Facility	1. Residential
2. Pit, pond, lagoon	2. Radioactive waste	2. Railroad	<input checked="" type="checkbox"/> Industrial
<input checked="" type="checkbox"/> 3. Leak underground	3. Gasoline/diesel	3. Waterway	3. Urban
4. Spray irrigation	4. Heating oil	4. Pipeline	4. Rural
5. Land application	<input checked="" type="checkbox"/> 5. Other petroleum prod.	5. Dumpsite	
6. Animal feedlot	6. Sewage/septage	6. Highway	
7. Source unknown	7. Fertilizers	7. Residence	
8. Septic tank	8. Sludge	8. Other	
9. Sewer line	9. Solid waste leachate		
10. Stockpile	10. Metals		
11. Landfill	11. Other inorganics		
<input checked="" type="checkbox"/> 12. Spill-surface	12. Other organics		

Site Priority Ranking 200

D.E.M. Regional Contact Jim Greer Signature [Signature] Date 97-6-10

IMPACT ON DRINKING WATER SUPPLIES

WELLS AFFECTED 1. YES 2. NO

NUMBER OF WELLS AFFECTED 0

Well(s) Contaminated: (Users Name)

1. 0

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

Wilson

Lat. : Deg : Min : Sec :

35-43-53

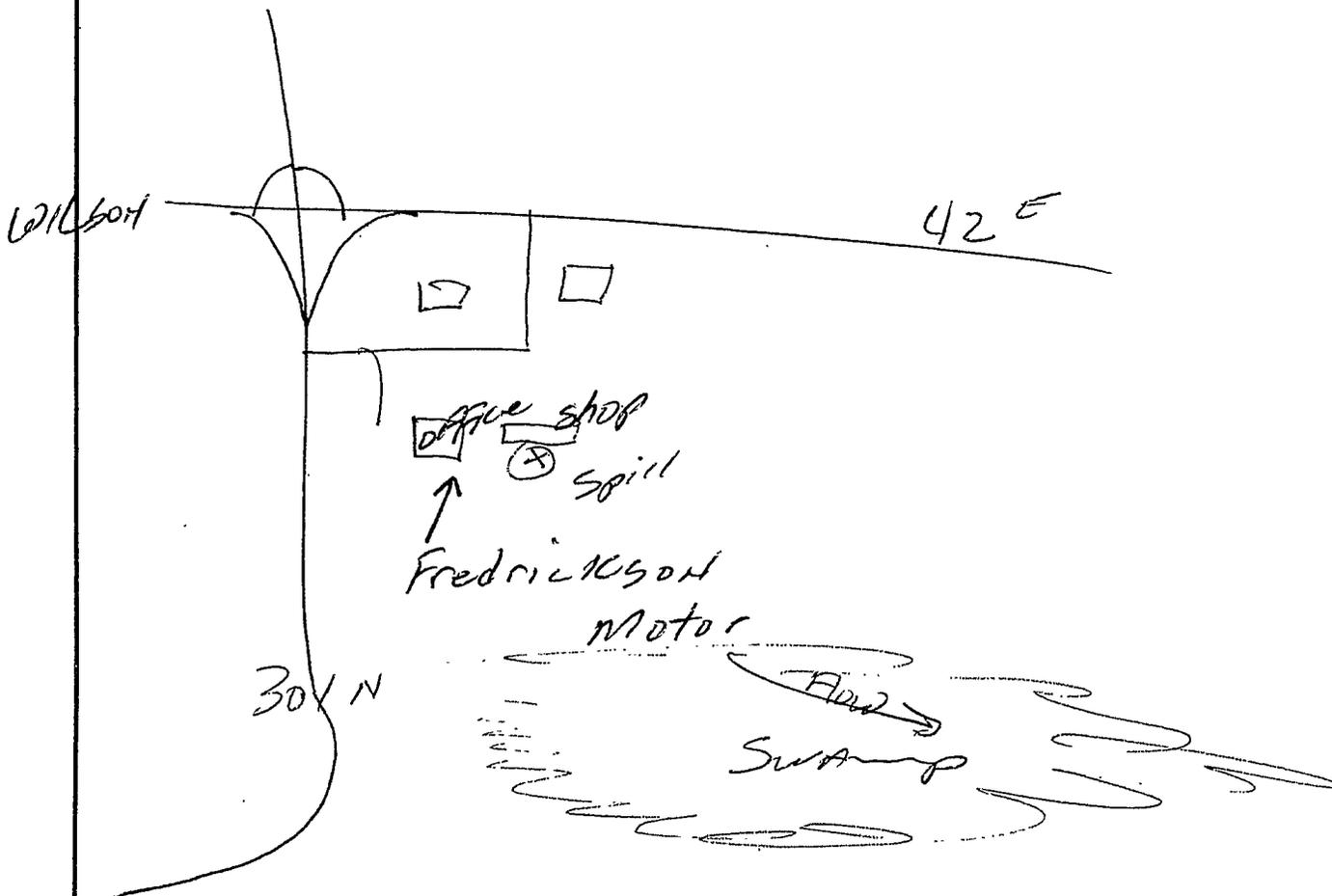
5 Min. Quad Number

L-30-H

Long. : Deg : Min : Sec :

77-52-53

Draw Sketch of Area or Attach Additional Maps



Incident Name: Fredrickson Motor Express / County: Raleigh - Wilson

Groundwater Incident File # _____ Ranking Performed by: J. J. Green

Date: _____

**NORTH CAROLINA
GROUNDWATER CONTAMINATION INCIDENT MANAGEMENT
SITE PRIORITY RANKING SYSTEM**
(To be completed by Regional Office)

	<u>Points Awarded</u>
I. IMMINENT HAZARD ASSESSMENT	
A. Explosion - free product in confined areas or vapor phase product detected at or above 20% of the lower explosive limit or at health concern levels; award 50 points total	<u>0</u>
B. Fire - free product subject to ignition in exposed areas such as surface water impoundments, streams, excavations, etc.; award 50 points total	<u>0</u>
II. EXPOSURE ASSESSMENT	
A. Contaminated Drinking Water Supplies	
1. Private, domestic water supply well containing substances in concentrations exceeding 15A NCAC 2L groundwater quality standards; award 10 points per well	<u>0</u>
2. Public or institutional water supply well containing substances in concentrations exceeding 15A NCAC 2L groundwater quality standards; award 20 points per well	<u>0</u>
3. Exceedances of Class WS-1 surface water quality standards as a result of groundwater discharge; award 20 points per surface water body impacted	<u>0</u>
4. If a water supply well identified in items II. A. 1 and II. A. 2 cannot be replaced by an existing public water supply source requiring hook-up only; award additional 10 points per irreplaceable well	<u>0</u>
B. Threat to Uncontaminated Drinking Water Supplies	
1. Private, domestic water supply well located within 1500 feet down gradient of contaminant source; award 10 points per well	<u>0</u>
2. Public or institutional water supply well located within 1500 feet downgradient of contaminant source; award 15 points per well	<u>0</u>
3. Raw surface water intake for public water supply located within 1/2 mile downgradient of contaminant source; award 5 points per water supply system	<u>0</u>
4. If any well identified in items II. B. 1 and II. B. 2 or an intake in item II. B. 3. are located within 250 feet of contaminant source; award additional 20 points total (not per well or intake)	<u>0</u>
C. Vapor Phase Exposure	
1. Product vapors detected in inhabitable building(s) below 20% of the lower explosive limit or health concern levels; award 30 points total	<u>0</u>

Points Awarded

2. Product vapors detected in other confined areas (uninhabitable buildings, sewer lines, utility vaults, etc.) below 20% of the lower explosive limit; award 10 points total

0

III. SOURCE ASSESSMENT

- A. Uncontrolled or Unabated Primary Source (including dumpsites, stockpiles, lagoons, land applications, septic tanks, landfills, underground and above ground storage tanks, etc.)

1. Suspected or confirmed source remains in active use and continues to receive raw product, wastewater or solid waste; award 30 points per source

0

2. Active use of suspected or confirmed source has been discontinued or source was caused by a one-time release of product or waste, however, source continues to release product or contaminants into the environment; award 10 points per source

10

IV. ENVIRONMENTAL VULNERABILITY ASSESSMENT

- A. Vertical Contaminant Migration - Literature or well logs indicate that no confining layer is present above bedrock or within twenty feet of land surface; award 10 points total

10

- B. Horizontal Contaminant Migration - Data or observations indicate that no discharge points or aquifer discontinuities exist between the source and the nearest downgradient drinking water supply; award 10 points total

0

- C. Existing Groundwater Quality - The worst case monitor or supply well contains contaminant levels:

1. At less than 10 times the 2L groundwater standards; award 5 points

0

2. Between 10 and 100 times the 2L groundwater standards; award 20 points

0

3. Greater than 100 times the 2L groundwater standards; award 40 points

0

V. REGIONAL OFFICE RESPONSE (LETTER RANK)

Priority A - (Site meets any one of the criteria)

1. Water supply well(s) contaminated and no alternate water supplies available.
2. Vapors present in confined areas at explosive or health concern levels.
3. Treated surface water supply in violation of the safe drinking standards.

Priority B - (Any One)

1. Water supply well(s) contaminated, but alternate water supplies available.

2. Water supply well(s) within 1500 feet of site, but not contaminated and no alternate water supplies available.
3. Vapors present in confined areas but not at explosive or health concern levels.

Priority C - (Both)

1. No water supply well(s) contaminated.
2. Water supply well(s) greater than 1500 feet from site, no alternate water supply available.

Priority D - (Both)

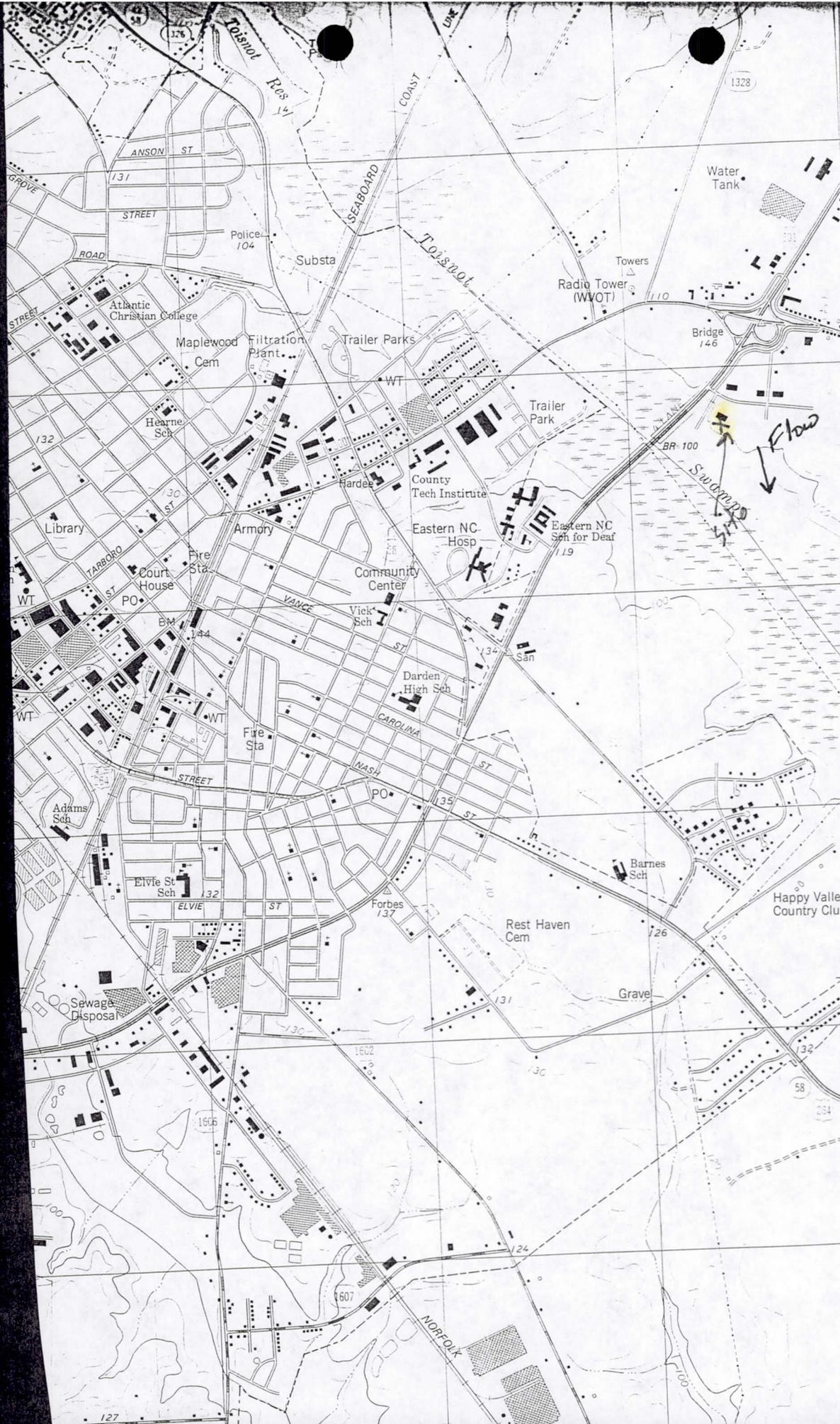
1. No water supply well(s) contaminated.
2. Water supply well(s) within 1500 feet of site but alternate water supplies available.

Priority E - (Both)

1. No water supply well(s) contaminated or within 1500 feet of site.
2. Area served by alternate water supply.

TOTAL POINTS AWARDED

20-D
#/Letter



Wilson
 L-30-h
 35 43 54
 77 52 53

Fredrickson
 motor
 Express

3959
 3958
 3957
 720 000
 FEET
 3956
 42'30"
 3955
 3954

L

1:25,000
 S. M. THOMPSON
 S. M. THOMPSON
 S. M. THOMPSON

SPILL CLOSURE CHECKLIST

SITE NAME: FREDRICKSON MOTOR EXPRESS NAME JIM R
CITY/TOWN: WILSON COUNTY: WILSON DATE 3-2-99
DATE OF SPILL 6-10-97 DATE REPORT RECEIVED 11-24-98

SPILLS

Number 1 2 3 4 5 6 7 8
Size(s) OIL/WATER SEPARATOR
Product(s) _____

MAPS

- N Location of Site
- N SPILL locations
- N Sampling locations

SAMPLING LOCATION(S)

- N Correct number of samples analyzed

? NO DIMENSIONS OF EXCAVATIONS

Total number of samples 1

Samples: flood side, stockpiled soil, _____

SAMPLE COLLECTION QUALITY CONTROL

- N Preserved on ice
 - N Tools decontaminated: soap, Di-H₂O, MEOH, organic-free H₂O
 - N Chain-of-Custody form (required)
- Date sample collected _____ Date lab received _____

ANALYTICAL RESULTS

- N Correct analytical methods performed / Correct Lab
- N Data below action levels
- N SSE performed / SSE LEVEL
- N SSE action level correct
- N TCLP required
- N TCLP values above regulatory level
- N Groundwater intersected Depth ~ 8'
- N Bedrock encountered
- N Groundwater or pit samples collected
- N GEOL/ENGINEER SEAL

EXCAVATED SOIL

- N Soil excavated
- Volume of soil excavated 158.34 TONS
Final disposal site of soil SOIL RECOVERIES, INC.

COMMENTS:

NO DIMENSIONS OF EXCAVATION?

NO CHAIN OF CUSTODY FORM

NO MSCC FOR ARSENIC (3.44 ppm) OR BARIUM (11.2 ppm)

NEED SAMPLE OF G.W. TOTAL METALS OR MODEL CONTAMI, OR SHOW LEVELS ARE BACKGROUND.

RELEASE REPORT/ COMPLAINT LOG

COMPLETE ALL APPLICABLE INFORMATION AND SUBMIT TO SUPERVISOR

Date Rec'd: 97-6-6 Time: 0945 Reg. Off. Contact: Jim Greer
Caller Name: Mr. Ray Hudnall Ph.#: 919 291 0468
Caller Address: Wilson Co EAV. Health Sect. Wilson Co Health Dept

I. Release Report (circle) Note: if complaint, see II.:

UST (tank/line leak) Surface Spill Other: Nitratocation/Line

Material released (circle all that apply):

Gasoline Diesel Fuel Oil Waste/Used Oil Solvents
Pesticide Other OIL Water Separator/Line & Discharge Sub-Surface

II. Complaint (circle):

Well Construction Water Quality Soil Stockpile Other

III. Receptors Impacted or Threatened :

Potable Wells (Y/N) Number Surface Water (Y/N)

Nature of Call (who, what, when, where, how): Ray Hudnall called
Mr/BW - JWBreen informed SC of a oil/water
Separator not working that Discharges to a
Sub-Surface discharge line.

2309 Whitley Rd WILSON NC 27893
Potential Source/Suspect: Fredricks Motor Express County: WILSON
Address: US Hwy 301 S (N) Hwy 42 City: WILSON
Site Contact: Mr. EARL Melton Phone: 919-399-1111

Directions/Location (use secondary road nos.): 64E TO 264E TO
301N TO 42E GO Past 42E 1/4 mi. on Left
is Fredricks Motor Lines-

Date Assigned: 6/9/97 Staff: Greer Visit By: 97-6-13
11 on 97-6-10

Note: oil/water separator removed and heavy staining
on ground. up-Gradient of the Wilson County
Fire dept TRAINING grounds.

GROUNDWATER SECTION STAFF REPORT

DATE OF SITE VISIT: 97-6-10

COUNTY: Wilson

FACILITY NAME & LOCATION:
Frederickson Motor Express
US Hwy 301 N = 2309 Whitley Rd
Wilson, NC 27893

TIME OF ARRIVAL: 0915
TIME OF DEPARTURE: 1000
WEATHER CONDITIONS: SUNNY
75°

STATE REPRESENTATIVES:

NAMES: Jim Greer

PHONE #: 571 4700x234

SITE REPRESENTATIVES:

NAMES: Mr. Earl Melton
Randy Parks

TITLES: Shop Foreman
Dir. of Ops

PHONE#: 919 399-1111
704 376-2471

(circle as applicable)

REASON FOR VISIT: COMPLIANCE, COMPLAINT, UST RELEASE, AST RELEASE, SOIL STOCKPILE,
OTHER: oil/water Separator Discharge

TYPE OF SAMPLES TAKEN: SOIL (GRAB, COMPOSITE), GW, SURFACE WATER, OTHER R.P.
NO. OF SAMPLES: _____

TYPE OF CONTAM SUSPECTED: GAS, DIESEL, KERO, FUEL OIL, WASTE/USED OIL, SOLVENTS,
PESTICIDES, OTHER _____

SUSPECTED SOURCE: Shop - Waste oil/water Separator.

PHOTOS TAKEN: YES NO NUMBER OF PHOTOS 0

SUMMARY OF FINDINGS & COMMENTS: (attach additional sheets if necessary)

Waste oil/water separator overloaded and discharge to land surface at shop (S+E) side of Bld.

Note: directly up-gradient of Wilson fire dept TRAINING grounds, another major hot spot.

ATTACH A SKETCH OF SITE (show north arrow, structures, roads, well locations, sample locations, footage, & landmarks)

This form not needed for initial visit if PIRF form is used. This form should be used for all follow-up visits.

SIGNATURE(S): GW STAFF PERSON(S) Jimmie Wilson 97 6 10

REVIEWED BY: _____ DATE: _____

SUPERVISOR: [Signature] DATE: 6/19/97

COPY: FILE

GROUNDWATER SECTION SITE VISIT REPORT

SKETCH OF SITE

DATE OF SITE VISIT: 97 6 10

COUNTY: Wilson

FACILITY NAME & LOCATION: Fredrickson Motor Express
US Hwy 301 N
Wilson N.C 27---

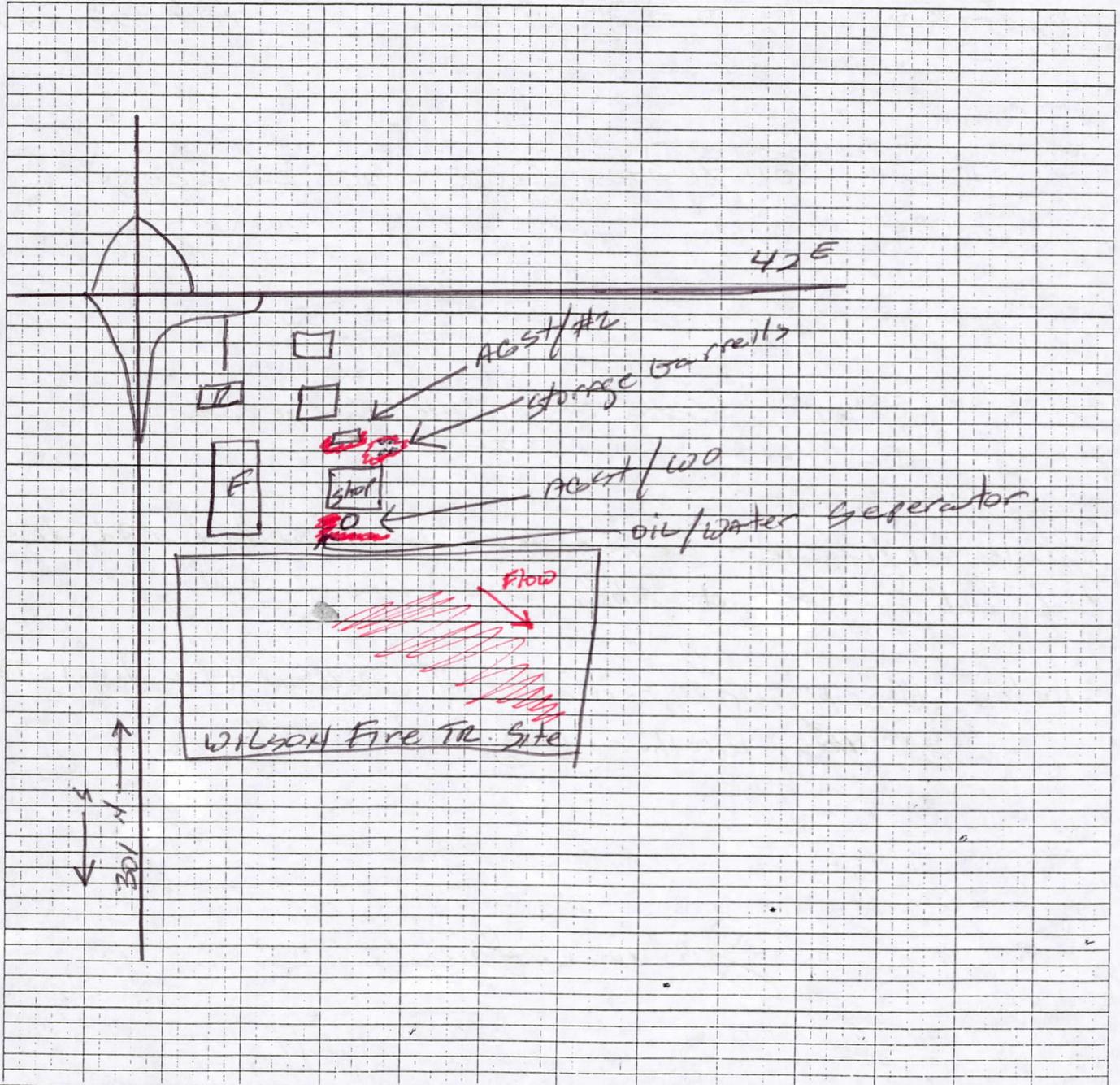
SCALE: Ø

DRAWN BY: Jim Green

(NOTE: DIAGRAM SHOULD BE TO SCALE. DESIGNATE NORTH DIRECTION, ETC.)

REGIONAL
2-280
N.C. U.S.A.

Wilson



UNITED STATES POSTAL SERVICE

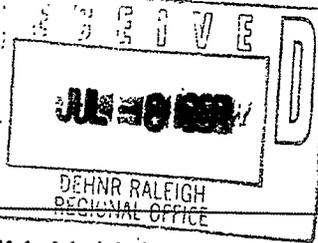


First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10



• Print your name, address, and ZIP Code in this box •

Environment, Health & Natural Resources
Raleigh Regional Office
3800 Barrett Drive
Raleigh, NC 27609



Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

WILSON COUNTY

JWG -- 7/3/97

I also wish to receive the following services (for an extra fee):

- 1. Addressee's Address
- 2. Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

MR RANDY PARKS
 DIRECTOR OF OPERATIONS
 FREDERICKSON MOTOR EXPRESS
 CORPORATE OFFICE
 3400 NORTH GRAHAM STREET

#2650

PO BOX 5369
 CHARLOTTE NC 28225
 NOV FREDERICKSON MOTOR EXPRESS

4a. Article Number

P281 678 661

4b. Service Type

- Registered
- Express Mail
- Return Receipt for Merchandise
- Certified
- Insured
- COD

7. Date of Delivery

JUL 07 1997

5. Received By: (Print Name)

G. FURR

6. Signature: (Addressee or Agent)

X

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1994

Domestic Return Receipt

Thank you for using Return Receipt Service.

FREDRICKSON MOTOR EXPRESS

DATE: 07-07-97

FROM: Randy Parks

TO: NC DE HR

DEPARTMENT: Fredrickson Operations

ATTN: MR. Jim Greer

TELEPHONE NUMBER: 919 335-5577

FAX NUMBER: 919-571-4718

NUMBER OF PAGES: (15)
(including cover)

COMMENTS: I will be forwarding you a hard copy of this report via us mail. Thanks Randy Parks

*2P
Called
Fov. / Put
call
also
mm
97-7-14.*



LAW

ENGINEERING AND ENVIRONMENTAL SERVICES, INC

**REPORT OF
PRELIMINARY PETROLEUM CONTAMINATION ASSESSMENT**

**FORMER OIL/WATER SEPARATOR AREA
FREDRICKSON MOTOR EXPRESS TERMINAL
US HIGHWAY 301 AT NC HIGHWAY 42
WILSON, NORTH CAROLINA**

Prepared for:

FREDRICKSON MOTOR EXPRESS CORPORATION
Charlotte, North Carolina

June 30, 1997

**LAW**

ENGINEERING AND ENVIRONMENTAL SERVICES, INC.

June 30, 1997

Mr. George R. Parks
Director of Operations
Fredrickson Motor Express Corporation
921 East Springfield Road
High Point, North Carolina 27623

**Subject: Report of Preliminary Petroleum Contamination Assessment
Former Oil/Water Separator Area
Fredrickson Motor Express Terminal Site
US Highway 301 at NC Highway 42
Wilson, North Carolina
LAW Project 30100-7-2628**

Dear Mr. Parks:

Law Engineering and Environmental Services, Inc. (LAW) is pleased to submit this report of environmental assessment for the referenced site. This report includes a summary of project background information, a description of our field investigation and sampling activities, laboratory testing results and conclusions/recommendations.

Project Information

We understand that a representative of the Raleigh Regional Office (RRO) of the North Carolina Department of Environment, Health and Natural Resources (NCDEHNR) recently conducted a visit at the Fredrickson Motor Express terminal site in Wilson, North Carolina. The site is located southeast of the intersection of US Highway 301 and NC Highway 42 (Figure 1).

The RRO personnel observed a location formerly containing an oil/water separator that Fredrickson was in the process of excavating. Reportedly, stained soils and water were noted in the excavation by the RRO representative. In response to a concern for potential petroleum contamination, the RRO personnel requested that Fredrickson obtain soil samples for laboratory analytical testing.

Fredrickson Motor Express Corporation - Wilson, North Carolina
Report of Preliminary Petroleum Contamination Assessment
LAW Project #0100-7-2628

June 30, 1997

Surface-stained soils were also identified adjacent to a concrete foundation pad for an aboveground tank containing new oil. The RRO representative requested that a soil sample also be obtained in the surface-stained area and analyzed for petroleum contamination.

Field Sampling Activities

On June 18, 1997, LAW personnel visited the site to obtain soil samples from the former oil/water separator basin, adjacent drain field and the area containing surface-stained soils. We understand that the general sampling locations were designated by the RRO representative. Figure 2 is a sketch of the former oil-water separator area and relative sampling locations.

An excavation was made by Fredrickson personnel using a rubber-tired backhoe at the discharge point to the drain field from the oil/water separator system and at the end of the drain field. The excavation at the end of the drain field was dug to about 4.5 feet below existing grade where relatively undisturbed soils were encountered below the former drain field gravel base. The soils underlying the end of the drain field consisted of gray slightly clayey silty fine sand. The excavation at the oil/water separator system discharge point was about 2 to 3 feet deep. The subgrade soils below former oil/water separator drain field basin backfill consisted of brownish tan and gray clayey sand.

A near-surface soil sample was collected adjacent to the oil tank foundation pad at a depth of about six inches below existing grade. The soil sample was obtained by excavating the surficial gravel using a backhoe bucket and then scraping the underlying soils. The near-surface subgrade soils at the oil tank pad consisted of tan and gray clayey sand to sandy clay.

Soil samples were collected at the base of each excavation using the backhoe bucket. Relatively undisturbed soil clumps were collected from the soils contained in the backhoe bucket using new nitrile gloves. The soil samples were placed in laboratory-supplied containers, which were then labeled with pertinent sampling information. The containers were then placed in an ice-packed cooler. The soil samples were shipped by overnight courier to LAW's national laboratory in Pensacola, Florida. Chain-of-custody procedures were maintained.

*Fredrickson Motor Express Corporation - Wilson, North Carolina
Report of Preliminary Petroleum Contamination Assessment
LAW Project 30100-7-2628*

June 30, 1997

LAW measured the ground-water level in a monitoring well located near a former underground storage tank basin about 150 feet west of the oil/water separator site. Ground water was noted at about 8 feet below existing grade in the well.

Laboratory Testing Results

The soil samples were analyzed for oil and grease by EPA Method 9071. Analytical testing detected oil and grease concentrations as high as 231 parts per million in the soil sample collected at the east end of the drain field. No oil and grease concentrations were detected in the soil sample obtained at the west end of the drain field where the oil/water separator system discharged. No oil and grease concentrations were detected in the soil sample collected near the aboveground oil tank foundation pad. The analytical data reports for the soil samples obtained at the site and the chain-of-custody documentation are attached to this report.

Conclusions and Recommendations

The results of our assessment indicate that petroleum-impacted soils were detected at the location of the former oil/water separator system drain field. The NCDEHNR established a minimum action level of 250 ppm for soils containing oil and grease. Based on the analytical results for the soil samples obtained at the site, the oil and grease concentrations in soils below the base of the drain field do not exceed the regulatory action level.

LAW recommends that petroleum-stained soils used to backfill the drain field basin after removal of the piping and the drain field gravel be removed to mitigate potential further impact to the underlying soils and ground water. The excavation should be backfilled using uncontaminated soils.

Fredrickson Motor Express Corporation - Wilson, North Carolina
Report of Preliminary Petroleum Contamination Assessment
LAW Project 30100-7-2628

June 30, 1997

LAW appreciates the opportunity to provide our professional environmental services to Fredrickson Motor Express Corporation for this project. We are available at your convenience to discuss the contents of this report or other aspects of the project.

Sincerely,

LAW ENGINEERING AND ENVIRONMENTAL SERVICES, INC.

Mark S. Adkins (akl)

Mark S. Adkins
Project Coordinator

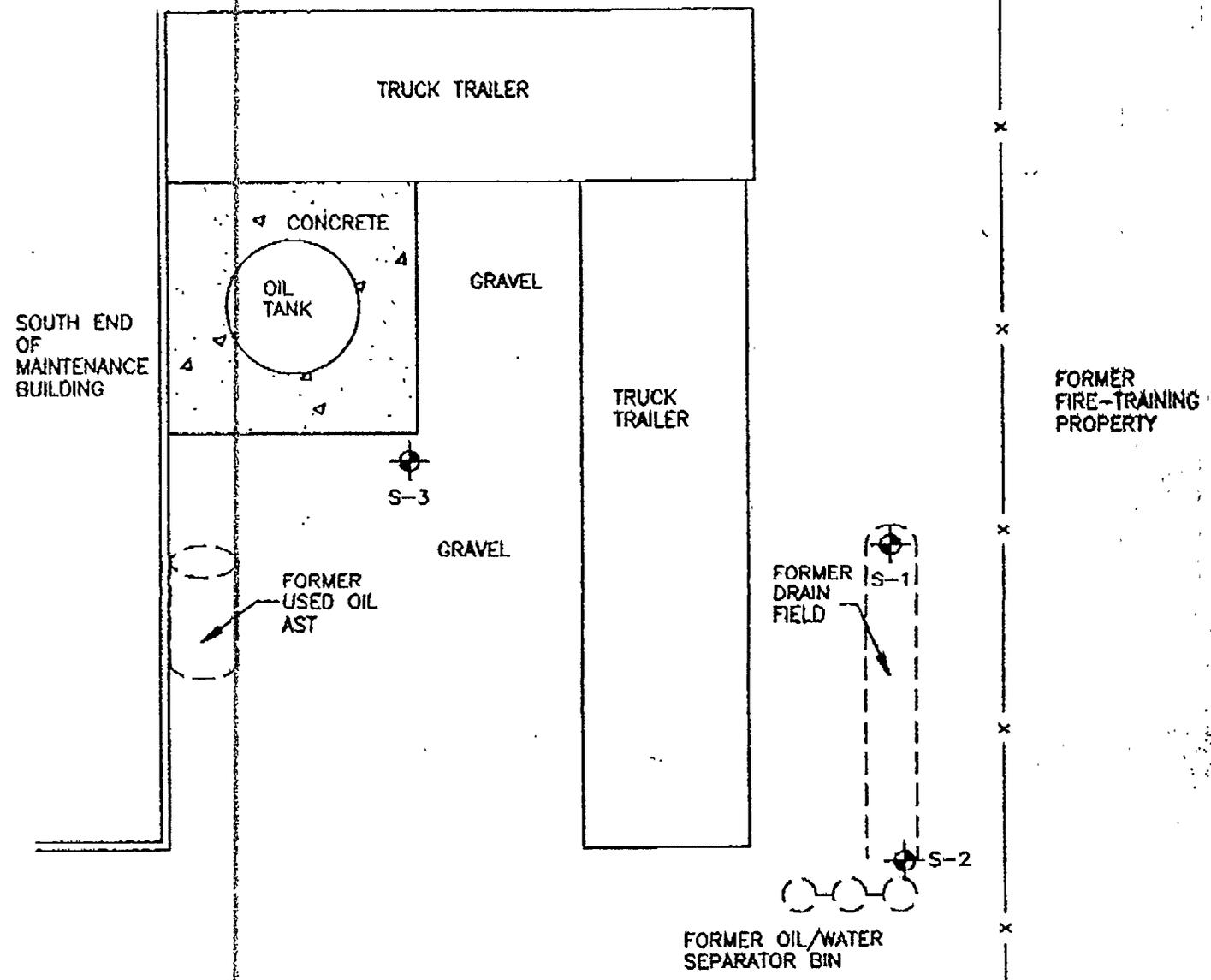
Christopher L. Corbitt

Christopher L. Corbitt, P.G.
Principal

MSA/TWW ma

Attachments Figures
Photographs
Laboratory Analytical Data Reports

Mag 15.00
Thu Jun 19 10:38 1997
Scale 1:15,825 (at center)
1000 Feet



EXPLANATION

-  APPROXIMATE SOIL SAMPLE LOCATION
-  APPROXIMATE PROPERTY BOUNDARY FENCE LINE



92A 262818 P 08/30/97 12:01 MCC



APPROXIMATE SCALE IN FEET

REF: SITE SKETCH PREPARED BY LAW ENGINEERING PERSONNEL 6/19/97.



LAW

ENGINEERING AND ENVIRONMENTAL SERVICES
CHARLOTTE, NORTH CAROLINA

SOIL SAMPLE LOCATION PLAN

FREDRICKSON MOTOR EXPRESS TERMINAL
WILSON, NORTH CAROLINA

PREPARED BY *MSA*

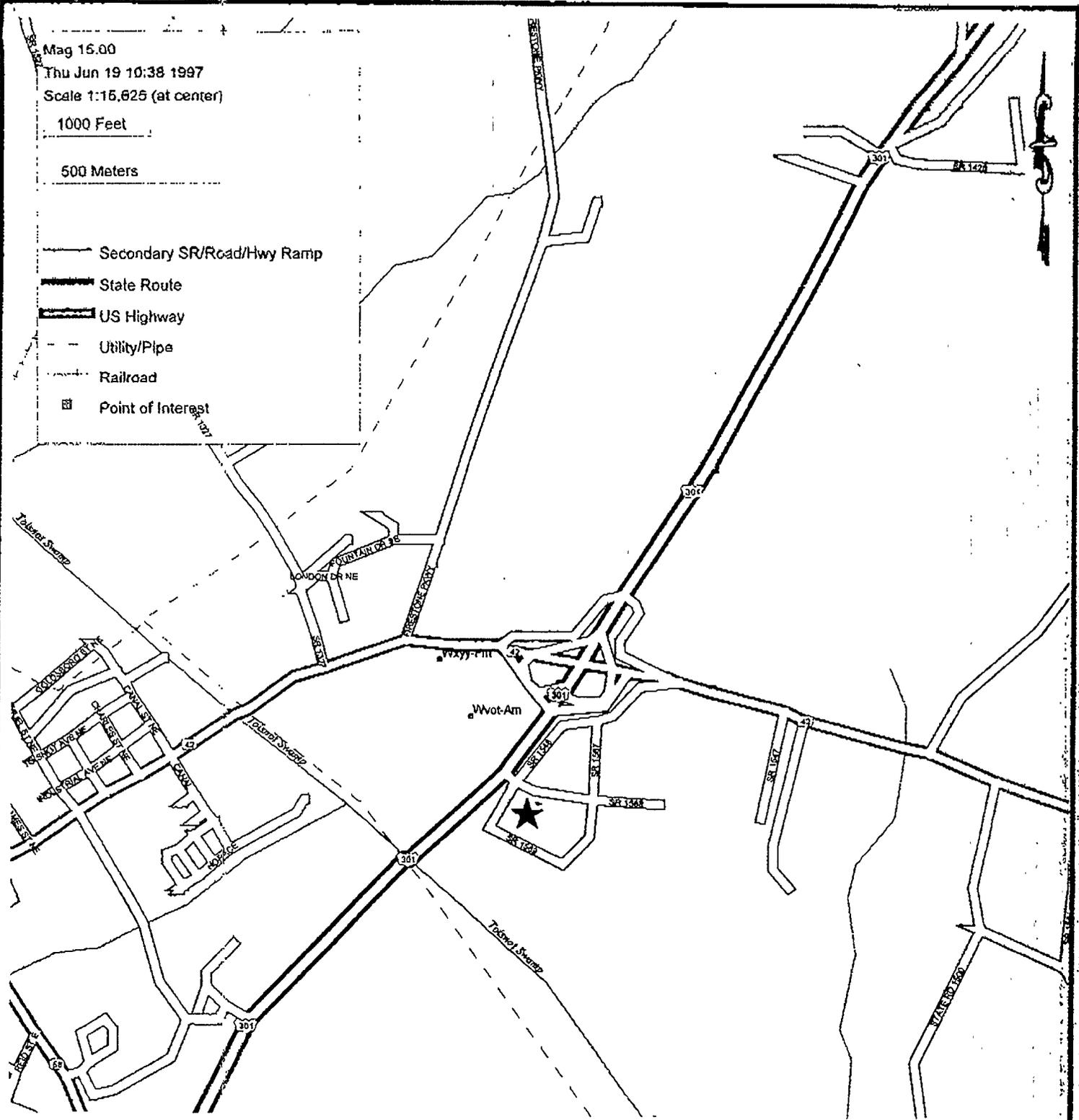
DATE *6-30-97*

CHECKED *cc*

DATE *6/30/97*

JOB NO. 30100-7-2628

FIGURE 2



Mag 15.00
 Thu Jun 19 10:38 1997
 Scale 1:15,625 (at center)
 1000 Feet
 500 Meters

- Secondary SR/Road/Hwy Ramp
- State Route
- US Highway
- - - Utility/Pipe
- - - Railroad
- Point of Interest

EXPLANATION

★ APPROXIMATE LOCATION OF SITE

REF: DeLORME STREET ATLAS DATED 1986.

LAW
 ENGINEERING AND ENVIRONMENTAL SERVICES
 CHARLOTTE, NORTH CAROLINA

SITE LOCATION MAP
 FREDRICKSON MOTOR EXPRESS TERMINAL
 WILSON, NORTH CAROLINA

PREPARED BY	DATE	CHECKED	DATE	FIG. NO.	FIGURE
MJA	6-30-97	CE	6/30/97	30100-7-2628	1

PROJECT NO. 30100-7-2628 SITE 05/26/97 13:10 WCC

Mr. Mark Adkins
Law Eng & Envir Services, Inc.
2801 Yorkmont Rd Suite 300
Charlotte, NC 28208

Page 1
Project Name: FREDRIC2
Fredrickson 30100-7-2628.01

--- Sample Information ---

Date Sampled: 06/18/97
Time Sampled: 01:00
Log In Date: 06/20/97
Log In Time: 13:37

Station ID: S-3
Lab ID: AB22206
Collector: M. ADKINS

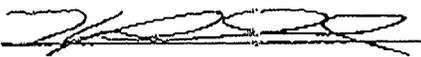
--- Test Information ---

Analysis

Parameter	Units	Method	Det Lim	Result	Date	Tech
623-9071 Oil&Grease Grav. mg/Kg	mg/Kg	SW9071	11.9	Not Det	06/24/97	GV

Remarks:

Signed:



Keith R. Greene
Quality Control Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

--- Project Information ---

Page 1
Project Name: FREDRIC2
Fredrickson 30100-7-2628.01

06/26/97
Mr. Mark Adkins
Law Eng & Envir Services, Inc.
2801 Yorkmont Rd Suite 300
Charlotte, NC 28208

--- Sample Information ---

Date Sampled: 06/18/97
Time Sampled: 12:30

Station ID: S-2

--- SAMPLE INFORMATION ---

Station ID: S-2
Lab ID: AB22205
Collector: M. ADKINS

Date Sampled: 06/20/97
Time Sampled: 12:30
Log In Date: 06/20/97
Log In Time: 13:37

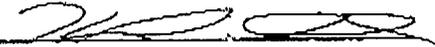
--- Test Information ---

Analysis

Parameter	Units	Method	Det Lim	Result	Date	Tech
623-9071 Oil&Grease Grav.	mg/Kg	SW9071	11.7	Not Det	06/24/97	GV

Remarks:

Signed:



Keith R. Greer
Quality Control Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

--- Project Information ---

06/26/97
Mr. Mark Adkins
Law Eng & Envir Services, Inc.
2801 Yorkmont Rd Suite 300
Charlotte, NC 28208

Page 1
Project Name: FREDRIC2
Fredrickson 30100-7-2628.01

2801 Yorkmont Rd Suite 300
Charlotte, NC 28208

FREUNICKSON 50100-7-2020-01

4

--- Sample Information ---

Station ID: S-1
Lab ID: AB22204
Collector: M. ADKINS

Date Sampled: 06/18/97
Time Sampled: 11:30
Log In Date: 06/20/97
Log In Time: 13:37

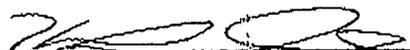
--- Test Information ---

Analysis

Parameter	Units	Method	Det Lim	Result	Date	Tech
623-9071 Oil&Grease Grav. mg/Kg	mg/Kg	SW9071	11.0	231	06/24/97	GV

Remarks:

Signed:



Keith R. Greene
Quality Control Manager



LAW

ENGINEERING AND ENVIRONMENTAL SERVICES
3055 Malabar Drive
Pensacola, Florida 32514
(904) 857-0006

June 26, 1997

Mr. Mark Adkins
Law Engineering & Environmental Services, Inc.
2801 Yorkmont Rd Suite 100
Charlotte, NC 28208

Subject: Chemical Analysis of Samples Received on 06/20/97
Fredrickson-Wilson, Project #: 30100-7-2628.01

Dear Mr. Adkins:

Law Engineering & Environmental Services National Laboratories has completed its analysis of your samples and reports the results on the following pages. These results relate only to the contents of the samples as submitted.

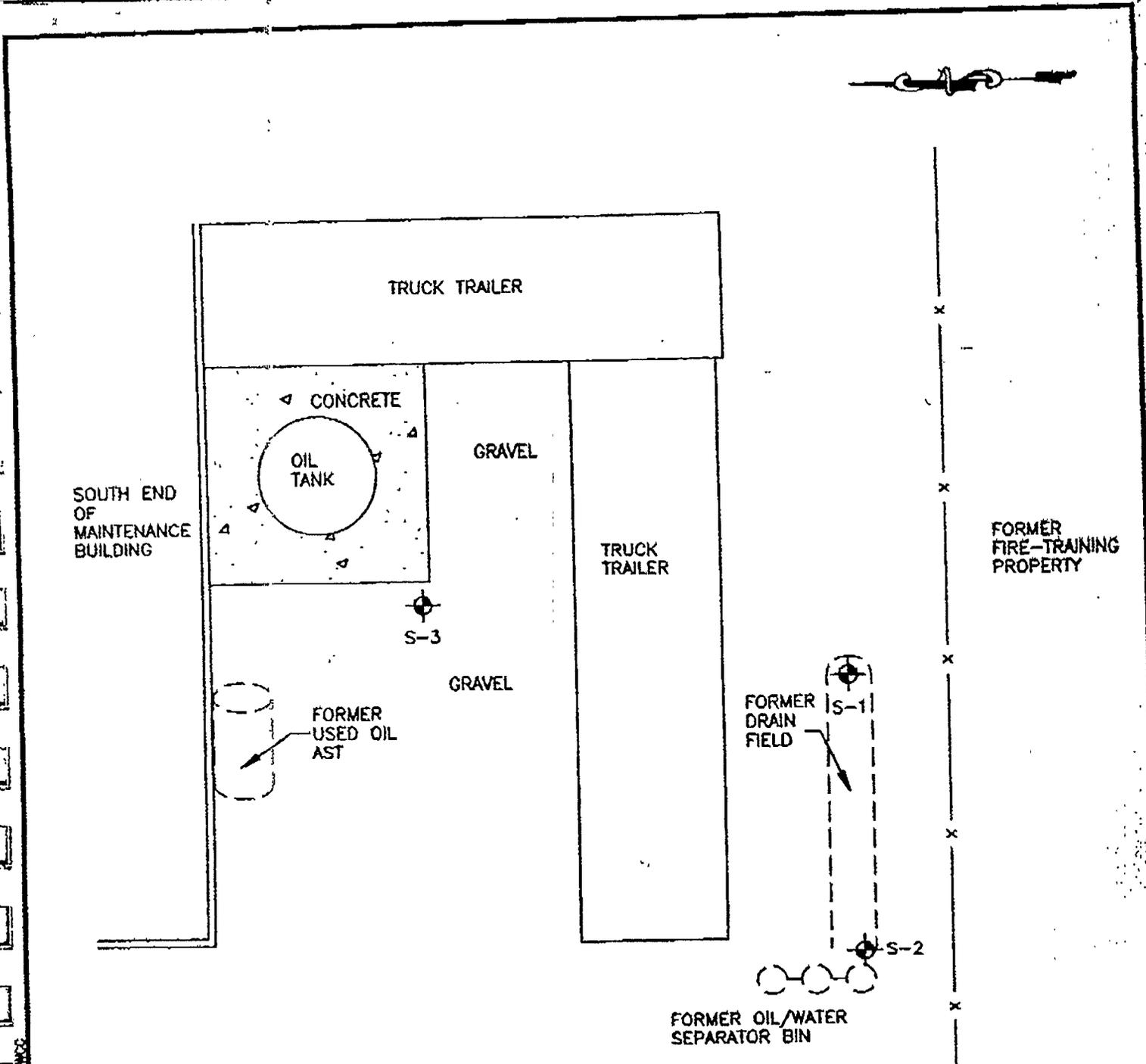
If further assistance is needed, please feel free to contact me at (904) 969-6135.

Sincerely,

LAW ENGINEERING & ENVIRONMENTAL SERVICES-NATIONAL LABORATORIES

Kelli A. Silvia
for
Kelli A. Silvia
Project Manager

Enclosures: Data Report
Invoices



EXPLANATION

-  APPROXIMATE SOIL SAMPLE LOCATION
-  APPROXIMATE PROPERTY BOUNDARY FENCE LINE



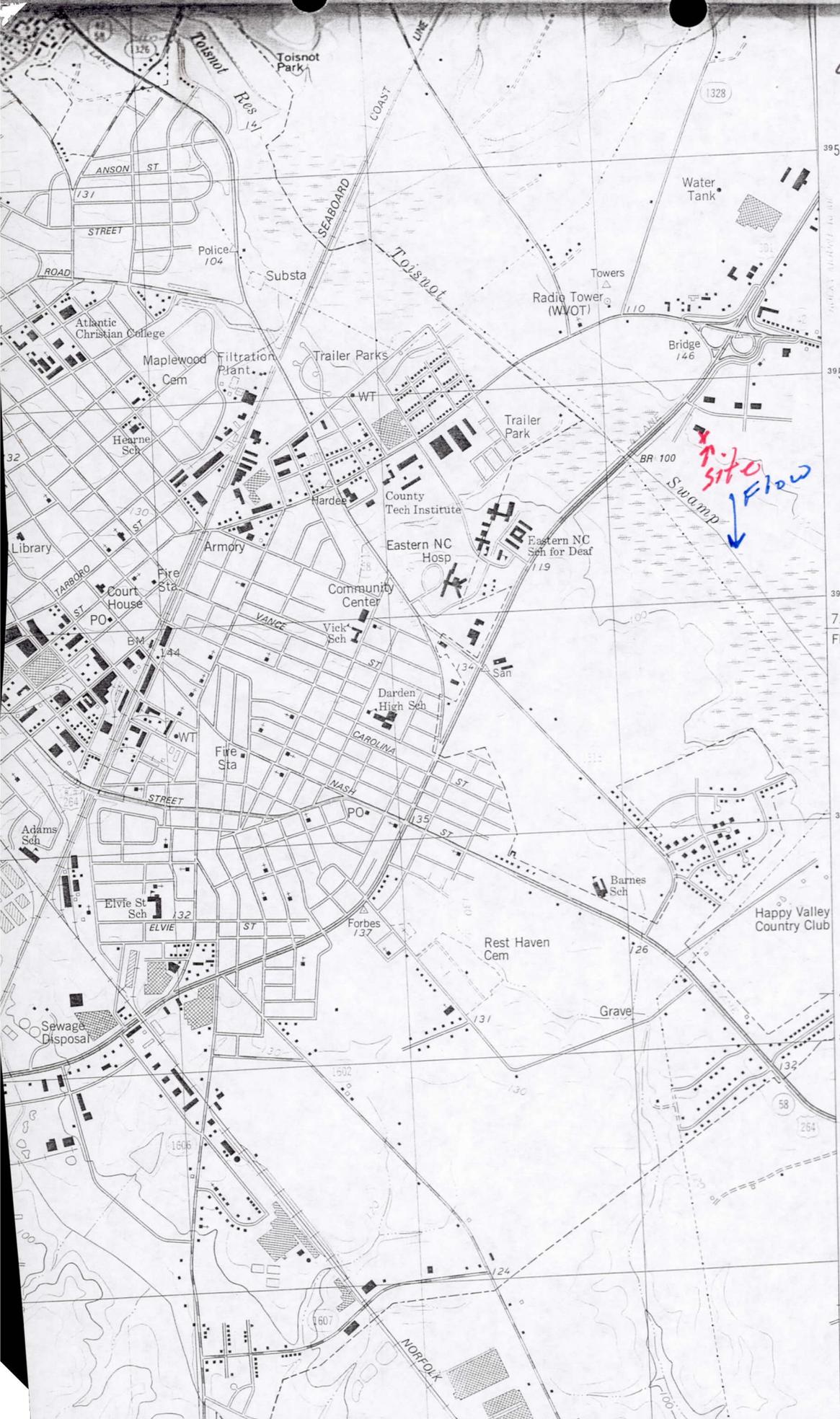
REF: SITE SKETCH PREPARED BY LAW ENGINEERING PERSONNEL 6/19/97.



LAW
 ENGINEERING AND ENVIRONMENTAL SERVICES
 CHARLOTTE, NORTH CAROLINA

SOIL SAMPLE LOCATION PLAN
 FREDRICKSON MOTOR EXPRESS TERMINAL
 WILSON, NORTH CAROLINA

PREPARED BY MSA	DATE 6-30-97	CHECKED <i>CL</i>	DATE 6/30/97	JOB NO. 30100-7-2628	FIGURE 2
---------------------------	------------------------	----------------------	------------------------	--------------------------------	--------------------



WILSON
 L-30-h
 35 43 54
 77 52 53

Site
 Flow

3959
 3958
 3957
 720 000
 FEET
 3956
 42' 30"
 3955
 3954

Fredrickson
 motor
 Express

L

SARATOGA 7 MI
 GREENVILLE 34 MI