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Site Name WALNUT COVE TIRE CENTER, INC

DocumentType Correspondence (C)

RptSegment

DocDate 2/24/2009

DocRcvd 2/24/2009

Box SF3441

AccessLevel PUBLIC

Division WASTE MANAGEMENT

Section SUPERFUND

Program IHS (IHS)

DocCat FACILITY

7005 1160 0004 7952 0124

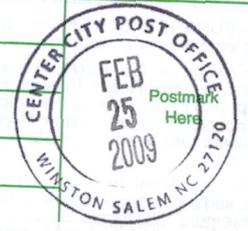
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Sent To: Walnut Cove Tire Center, Inc.  
 Street, Apt or PO Box: Attn: Hunter Willard  
 City, State: Route 2, Box 16A  
 Walnut Cove, NC 27052

CD  
 125  
 2

PS Form 3849

Instructions



North Carolina Department of Environment and Natural Resources  
Division of Waste Management

Beverly Eaves Perdue  
Governor

Dexter R. Matthews  
Director

Dee Freeman  
Secretary

February 24, 2009

CERTIFIED MAIL 7005 1160 0004 7952 0124  
RETURN RECEIPT REQUESTED

Hunter Willard  
Walnut Cove Tire Center, Inc.  
Route 2-Box 16A  
Walnut Cove, NC 27052

Re: Notice of Regulatory Requirements for Contaminant Assessment and Cleanup-Walnut Cove Tire Center, 1497 Miller Road, Walnut Cove, Stokes County, NC

Dear Mr. Willard:

We are in receipt of a memorandum that serves as a project referral of the above referenced site to the Winston-Salem Regional Office (WSRO). This memorandum, as sent to our office from the Division of Waste Management Underground Storage Tank Section, concerns the issue of chlorinated hydrocarbon contamination in groundwater under the subject site. Since this contamination is of a non-petroleum nature and is believed to have not originated from an underground storage tank (UST) source, it will not be addressed under any of the current UST programs. We have reviewed the reports that have accompanied the memorandum from the UST Section and note that your site has been contaminated by substances that have affected soil and/or groundwater quality in excess of state regulatory standards.

More specifically, the groundwater samples collected during the previous site investigations, detected elevated levels of tetrachloroethene in excess of the maximum allowable concentrations established by North Carolina Administrative Code Title 15A 2L .0202. Consequently, you are required to assess and cleanup the contamination under one or more cleanup authorities. Regulatory oversight for the assessment and cleanup under all applicable authorities will be provided by the Division of Waste Management through its Superfund Section, Inactive Hazardous Sites Branch ("Branch").

Based on information provided to date, the Inactive Hazardous Sites Response Act ("IHSRA"), codified under N.C. Gen. Stat. § 130A-310, et seq., applies to your site. In addition, initial immediate actions may be required under 15A NCAC 2L, Groundwater Classifications and Standards.

**I. ACTIONS REQUIRED AT THIS TIME:**

**Complete the Site Cleanup Questionnaire.**

To comply with the requirements of State law, a Site Cleanup Questionnaire, available on the website noted at the end of this letter, must be completed and returned to the WSRO. The information you provide will be reviewed along with other information to prioritize the site, so please make certain that the information you provide is complete and accurate. Please note that your failure to inform the Branch of any nearby potable wells or other high-risk conditions may adversely affect the Branch's ability to identify this site as a higher-risk site.

**Take Initial Abatement Actions Required Under 15A NCAC 2L.**

If you have not already done so, you must take the initial abatement actions required under 15A NCAC 2L. Pursuant to 15A NCAC 2L .0106(b), any person conducting or controlling an activity which results in the discharge of a waste or hazardous substance to the groundwaters of the State, or in proximity thereto, shall take immediate action to terminate and control the discharge, and mitigate any hazards resulting from exposure to the pollutants. Pursuant to 15A NCAC 2L .0106(c), if groundwater standards have been exceeded, you must take immediate action to eliminate the source or sources of contamination. Beyond initial abatement actions, all assessment and remediation will be done through the IHSRA.

**II. ACTIONS REQUIRED AT THIS TIME:**

**Complete the Site Cleanup Questionnaire.**

To comply with the requirements of State law, a Site Cleanup Questionnaire, available on the website noted at the end of this letter, must be completed and returned to the WSRO. The information you provide will be reviewed along with other information to prioritize the site, so please make certain that the information you provide is complete and accurate. Please note that your failure to inform the Branch of any nearby potable wells or other high-risk conditions may adversely affect the Branch's ability to identify this site as a higher-risk site.

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**II. FUTURE ASSESSMENT AND CLEANUP ACTIVITIES:**

All correspondence regarding this site should be sent to the Branch. Future assessment and cleanup activities (activities conducted after the initial abatement steps required in 15A NCAC 2L) may be conducted through the Voluntary Cleanup Program (discussed below) or pursuant to an Order issued under N.C. Gen. Stat. § 130A-310.3. In addition, if you choose not to conduct a cleanup through the Voluntary Cleanup Program, the site may be referred to the United States Environmental Protection Agency ("EPA"). If so referred, EPA will screen the site for Federal enforcement action under the Federal Superfund Program, established under the Comprehensive Environmental Responsibility, Compensation, and Liability Act ("CERCLA").

**III. VOLUNTARY CLEANUP PROGRAM:**

Under the IHSRA, persons who move forward to assess and remediate contamination, without being compelled to do so through formal legal action filed against them, are called "volunteers." To participate in the voluntary cleanup program, you will be required to enter into an administrative agreement with the Branch. The voluntary cleanup will proceed through the Registered Environmental Consultant Program or under direct oversight by the Branch Staff, as discussed below:

**Agreement to Conduct Assessment and Remediation Through the Registered Environmental Consultant Program.**

The Branch has a privatized oversight arm of the voluntary cleanup program known as the Registered Environmental Consultant ("REC") program. Based on the responses provided on the questionnaire (degree of hazard and public interest in the site), the Branch will determine whether a staff person or an REC will perform the oversight and approval of your assessment and cleanup action. Please note that having one or more of the conditions identified on the questionnaire does not necessarily preclude the site for qualifying for an REC-directed cleanup action.

Under the REC program, the volunteer hires an environmental consulting firm, which the State has approved as having met certain qualifications, to implement a cleanup and certify that the work is being performed in compliance with regulations. In other words, the REC's certifications of compliance are in place of direct oversight by the Branch. Details of the REC program can be found at

<http://www.wastenotnc.org/sfhome/recprog.htm>. If you have any questions specific to the REC Program, including how to participate, please contact the REC Program Manager, Kim Caulk, at (919) 508-8451.

**Agreement to Conduct Assessment and Remediation Under State Oversight.**

If the Branch determines that the site should be assessed and remediated pursuant to direct State oversight, it will not be eligible for a REC-directed cleanup. Rather, the remedial action will receive direct oversight by Branch staff.

**IV. FAILURE TO RESPOND:**

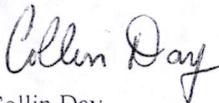
If we do not receive a completed questionnaire, the Branch will take further action to prioritize the site without your input. Failure to take the initial abatement steps required in 15A NCAC 2L may result in the assessment of a civil penalty against you. In addition, the Branch may seek an injunction compelling compliance with the initial abatement steps required in 15A NCAC 2L. For future work beyond the initial abatement steps required pursuant to 15A NCAC 2L, a Unilateral Order may be issued pursuant to § 130A-310.3 to compel assessment and cleanup.

**V. ADDITIONAL INFORMATION REGARDING THE IHSRA AND THE BRANCH:**

People are often confused by the name of the Inactive Hazardous Sites Response Act and the Branch. By definition, "Inactive Hazardous Sites" are any areas where hazardous substances have come to be located and would include active and inactive facilities and a variety of property types. The term "inactive" simply refers to the fact that cleanup was inactive at large numbers of sites at the time of program enactment. Additional information about the Branch may be found at <http://www.wastenotnc.org/sfhome/ihsbrnch.htm>.

Submit completed the completed questionnaire to our attention at the letterhead address. If you have additional questions about the requirements that apply to your site, please contact us at (336) 771-5281.

Sincerely,



Collin Day  
Hydrogeologist

cc: Brandon Moore, Paragon Environmental Consultants, Inc.  
P.O. Box 157  
Thomasville, NC 27361-0157  
WSRO Files

CORRECTIVE ACTION PLAN

WALNUT COVE TIRE CENTER  
1293 US HIGHWAY 311 (ROUTE 2 - BOX 17)  
WALNUT COVE, NORTH CAROLINA  
GROUNDWATER INCIDENT: 15602  
FACILITY ID: 0-028420

JANUARY 15, 2009

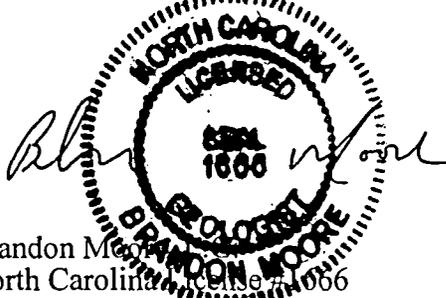
UST OWNER/OPERATOR:  
Walnut Cove Tire Center, Inc.  
1497 Miller Road  
Walnut Cove, NC 27052  
Phone Number: (336) 591-7514

PROPERTY OWNER/OCCUPANT:  
Hunter Willard  
Route 2 - Box 16A  
Walnut Cove, NC 27052  
Phone Number: (336) 591-5588

CONSULTANT:  
Paragon Environmental Consultants, Inc.  
P. O. Box 157  
Thomasville, NC 27361-0157  
Phone Number: (336) 669-6037

RELEASE INFORMATION:  
Date Discovered: 5/29/96  
Estimated Quantity of Release: Unknown  
Cause of Release: Unknown  
Source of Release: USTs  
Size and Contents: (3) 10K Gallon Gasoline USTs and (1) 1K Gallon Diesel UST  
Latitude: N 36° 16'11" Longitude: W 79° 8'42"

I, Brandon Moore, a Licensed Geologist for Paragon Environmental Consultants, Inc. do certify that the information contained in this report is correct and accurate to the best of my knowledge. Paragon Environmental Consultants, Inc. is licensed to practice geology in North Carolina. The certification number of the corporation is C-300.

  
Brandon Moore  
North Carolina License # 1606

RECEIVED  
N.C. Dept. of ENR  
JAN 16 2009  
Winston-Salem  
Regional Office

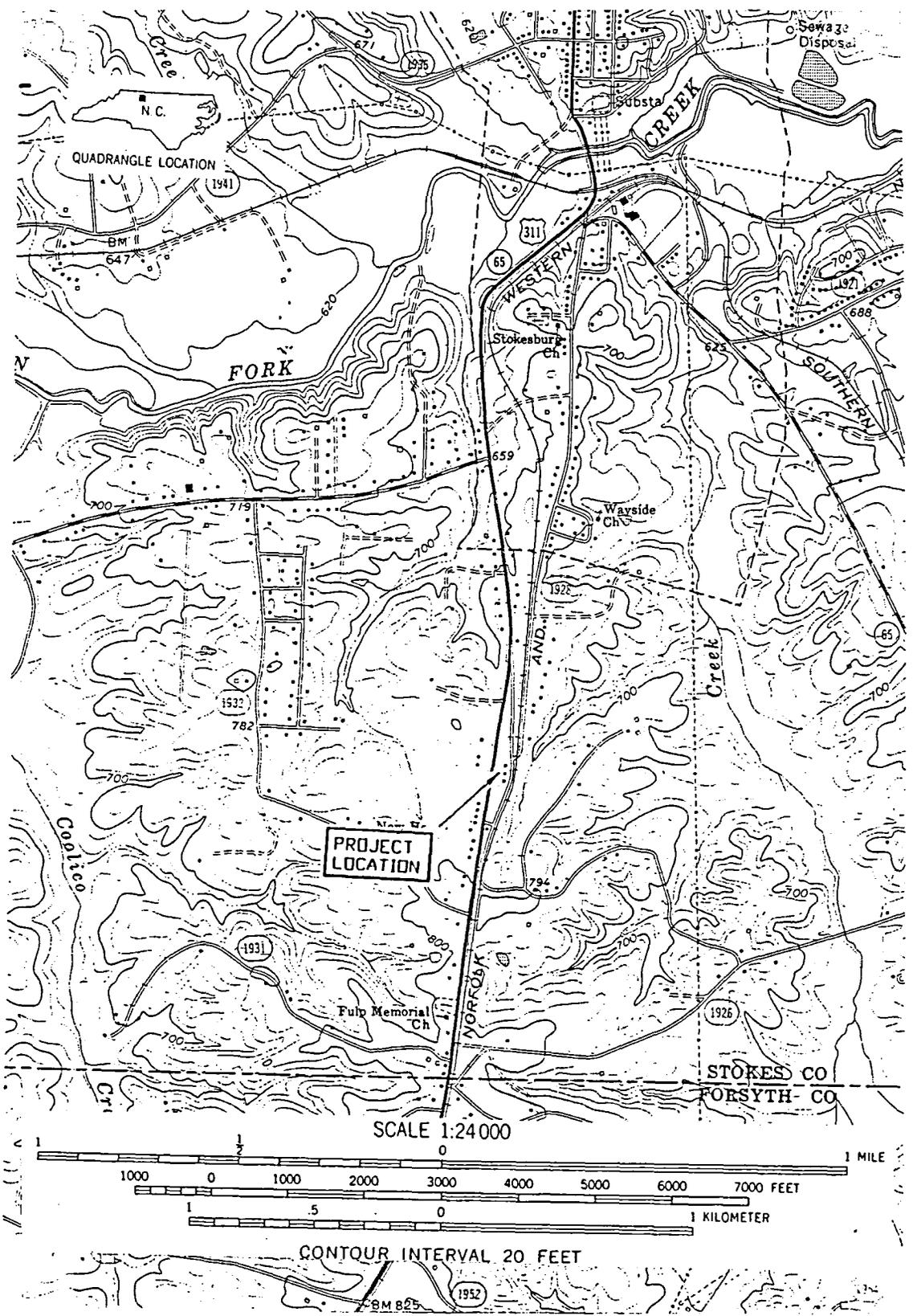


FIGURE 1

SCALE: 1"=2000'	TITLE: PROJECT LOCATION MAP U.S.G.S. TOPO MAP WALNUT COVE QUADRANGLE	CLIENT: WALNUT COVE TIRE CENTER, INC. WALNUT COVE, NC	PARAGON ENVIRONMENTAL CONSULTANTS, INC. THOMASVILLE, NORTH CAROLINA
DATE: 9/29/08	PROJECT: CAP 1293 US HIGHWAY 311 WALNUT COVE, NC		
DWN. BY: KBM			
DWG. NO. L08-1582			

**LEGEND**

SCALE  
 0' 20' 40'

----- PROPERTY LINE

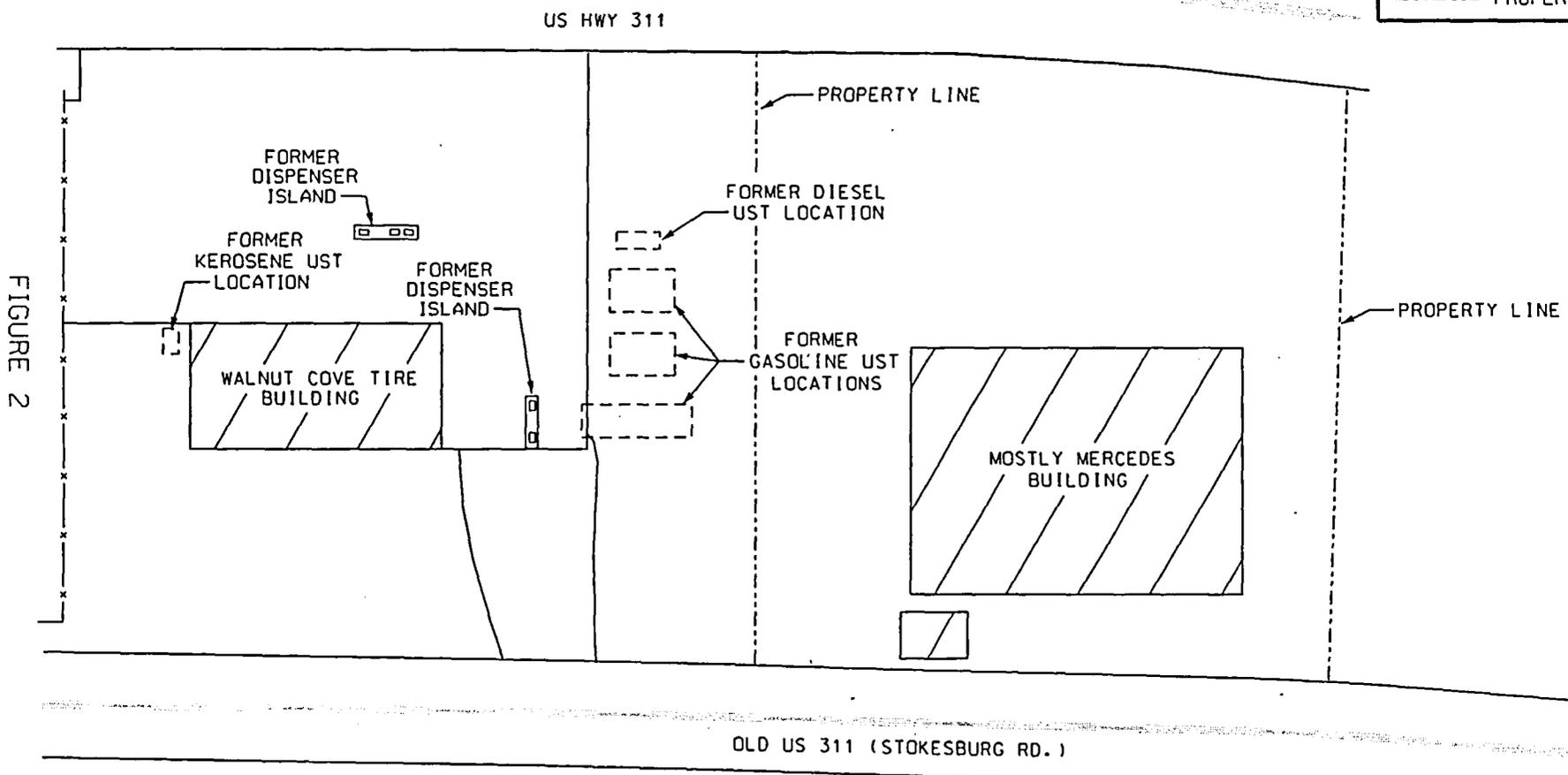


FIGURE 2

SCALE: 1"=40'  
 DATE: 1/13/09  
 DWN. BY: KBM  
 DWG. NO. L08-158C

TITLE:  
 SITE LAYOUT AND  
 FORMER UST LOCATIONS

PROJECT:  
 CAP  
 1293 US HIGHWAY 311  
 WALNUT COVE, NC

CLIENT:  
 WALNUT COVE TIRE CENTER, INC.  
 WALNUT COVE, NC

**PEI** PARAGON  
 ENVIRONMENTAL  
 CONSULTANTS, INC.  
 THOMASVILLE, NORTH CAROLINA

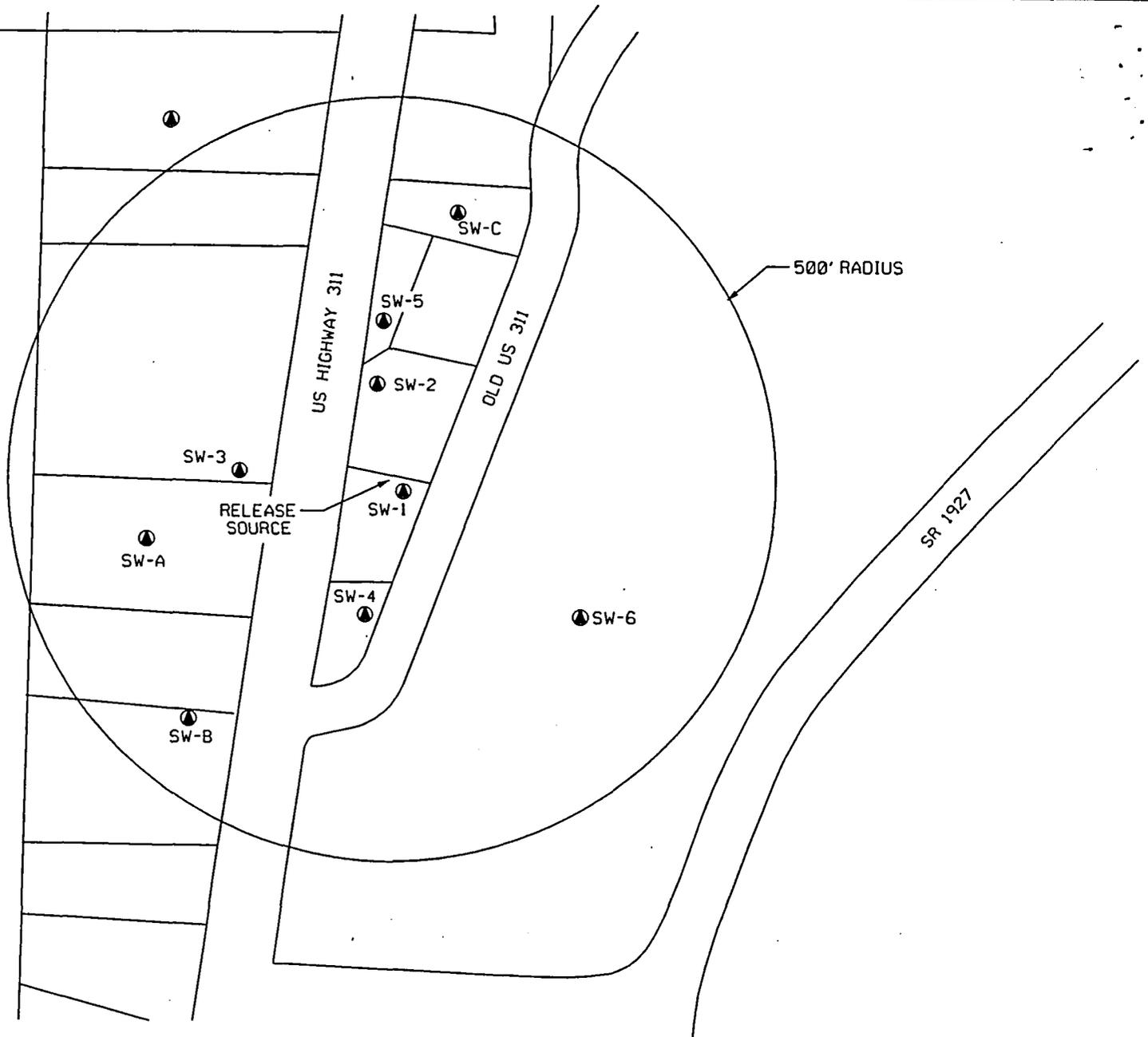
# LEGEND

SCALE

0' 100' 200'

● SUPPLY WELL LOCATION

FIGURE 4



SCALE: 1"=200'  
DATE: 1/15/09  
DWN. BY: KBM  
DWG. NO. L08-158X2

TITLE:  
SUPPLY WELL LOCATIONS

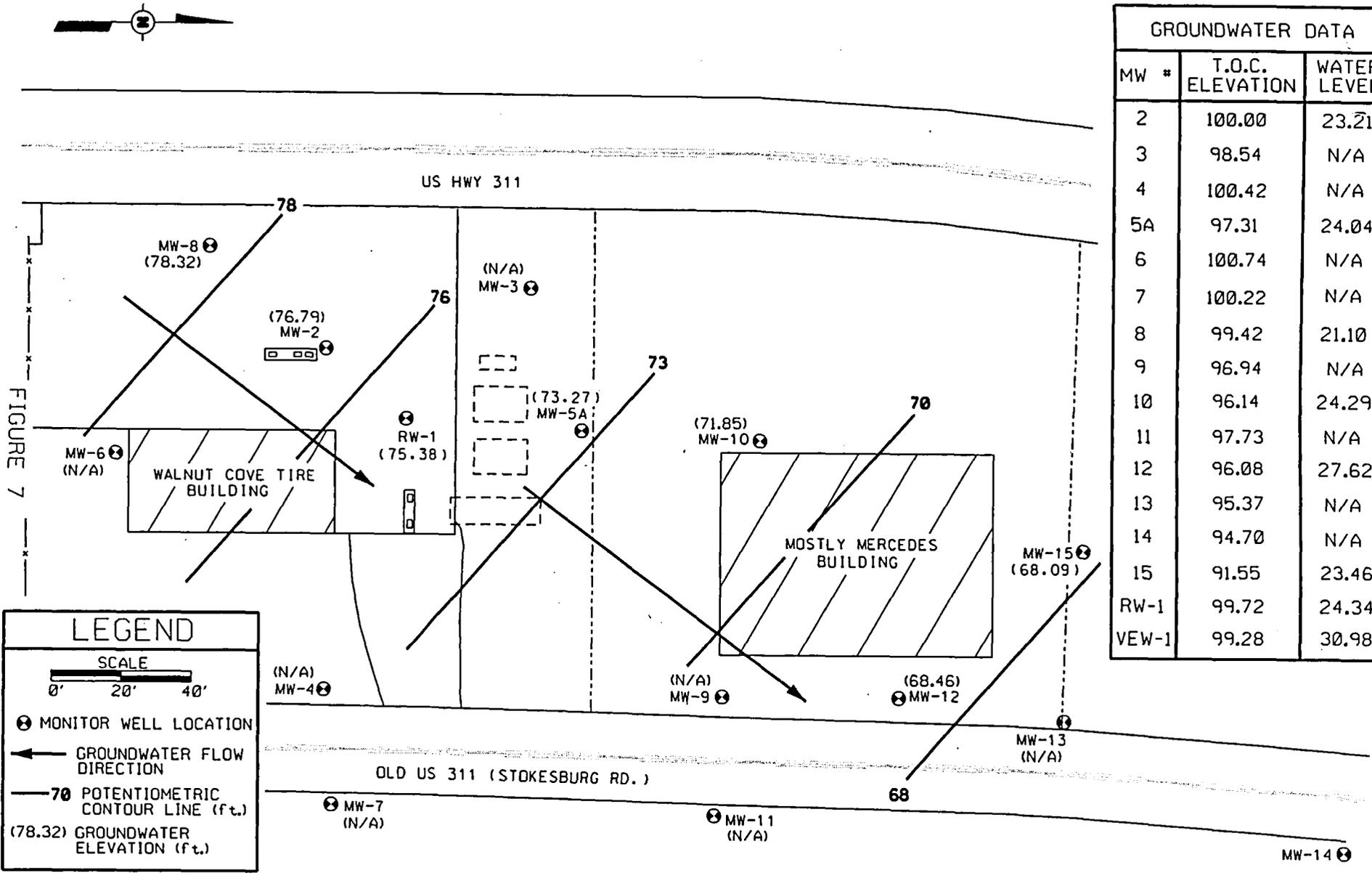
PROJECT:  
CAP  
1293 US HIGHWAY 311  
WALNUT COVE, NC

CLIENT:  
PHIL BULLIN  
WALNUT COVE, NC

 PARAGON  
ENVIRONMENTAL  
CONSULTANTS, INC.  
THOMASVILLE, NORTH CAROLINA

GROUNDWATER DATA

MW #	T.O.C. ELEVATION	WATER LEVEL
2	100.00	23.21
3	98.54	N/A
4	100.42	N/A
5A	97.31	24.04
6	100.74	N/A
7	100.22	N/A
8	99.42	21.10
9	96.94	N/A
10	96.14	24.29
11	97.73	N/A
12	96.08	27.62
13	95.37	N/A
14	94.70	N/A
15	91.55	23.46
RW-1	99.72	24.34
VEW-1	99.28	30.98



**LEGEND**

SCALE  
0' 20' 40'

⊗ MONITOR WELL LOCATION

← GROUNDWATER FLOW DIRECTION

— 70 POTENTIOMETRIC CONTOUR LINE (ft.)

(78.32) GROUNDWATER ELEVATION (ft.)

SCALE: 1"=40'	TITLE: POTENTIOMETRIC SURFACE MAP (AS MEASURED ON 9/10/08)	PROJECT: CAP 1293 US HIGHWAY 311 WALNUT COVE, NC	CLIENT: WALNUT COVE TIRE CENTER, INC. WALNUT COVE, NC	 PARAGON ENVIRONMENTAL CONSULTANTS, INC. THOMASVILLE, NORTH CAROLINA
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FIGURE 7

**TABLE 5**  
**Summary of Groundwater Analytical Results**  
 Walnut Cove Tire Center  
 Walnut Cove, North Carolina

Constituent	MW-2	MW-5A	MW-8	MW-10	MW-12	MW-15	VEW-1	RW-1	2L Standard
	Date	9/10/2008	9/10/2008	9/10/2008	9/10/2008	9/10/2008	9/10/2008	9/10/2008	
Method 6210D (ug/L)								<b>4.31</b>	1
Benzene	BDL	<b>411</b>	BDL	BDL	BDL	BDL	BDL	BDL	1,000
Toluene	BDL	<b>1,690</b>	BDL	1.39	BDL	BDL	BDL	BDL	550
Ethylbenzene	BDL	489	BDL	BDL	BDL	BDL	BDL	BDL	530
Xylenes (total)	BDL	<b>1,882</b>	BDL	BDL	BDL	BDL	BDL	BDL	NSE
BTEX (total)	BDL	4,472	BDL	BDL	BDL	BDL	BDL	BDL	70
n-Butylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.38
1,2-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70
Isopropylbenzene	BDL	25.5	BDL	BDL	BDL	BDL	BDL	BDL	NSE
p-Isopropyltoluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	21
Naphthalene	BDL	<b>134</b>	BDL	1.56	BDL	BDL	BDL	BDL	70
n-Propylbenzene	BDL	77.1	BDL	BDL	BDL	BDL	BDL	BDL	0.7
<b>Tetrachloroethene</b>	<b>1.82</b>	BDL	BDL	BDL	BDL	BDL	BDL	BDL	350
1,2,4-Trimethylbenzene	BDL	<b>519</b>	BDL	1.04	BDL	BDL	BDL	BDL	350
1,3,5-Trimethylbenzene	BDL	157	BDL	BDL	BDL	BDL	BDL	BDL	70
IPE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	22.6
MTBE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	200

X08-158A

BDL = Below Detection Limits  
 NSE = No Standard Established