

GROUNDWATER TECHNOLOGY®

Groundwater Technology, Inc.

August 4, 1995

1000 Perimeter Park Drive, Suite I, Morrisville, NC 27560 USA

Tel: (919) 467-2227 Fax: (919) 467-2299

Ms. Sherri V. Knight
NCDEHNR - Groundwater Section
Winston-Salem Regional Office
585 Waughtown St.
Winston-Salem, NC 27107

N.C.D.

1995

AUG - 7 1995

Winston-Salem
Regional Office

Re: **Request for Off-Site Monitoring Well Permit**
Summit Avenue Sunoco, 1103 Summit Avenue, Greensboro, Guilford County
Groundwater Incident #10141

Dear Ms. Knight:

Groundwater Technology, Inc. requests an off-site monitoring well permit on behalf of Sun Company, Inc. for the above referenced site. The permit is to include one monitoring well as directed in Item 2 of your May 9, 1995 correspondence, to be located as on shown on the attached site map. A well construction diagram is also attached.

Permission has been obtained from the property owners, Rabbi and Mrs. Richard Hammerman. Please refer to the signed Site Access and Indemnification Agreement enclosed. This also indicates Sun Company, Inc. accepts the responsibility for the proper construction, maintenance, and abandonment of the proposed monitoring well.

Please call me with any questions you may have regarding this request.

Sincerely,
Groundwater Technology, Inc.

Dee Switzer
Project Manager's Assistant

Attachments: **Monitoring Well Permit Application**
Executed Sun Company Inc. Site Access and Indemnification Agreement
Site map indicating proposed well
Well construction diagram

cc: **Mr. Dan Shine, Sun Company, Inc.**
Project File, GTI
Herb Berger, GTI

Monitoring Well Permit Application

NORTH CAROLINA
ENVIRONMENTAL MANAGEMENT COMMISSION
DEPARTMENT OF ENVIRONMENT, HEALTH, & NATURAL RESOURCES
APPLICATION FOR PERMIT TO CONSTRUCT A MONITORING WELL SYSTEM

Date: August 04, 19 95 County Guilford

In accordance with the provisions of Article 7, Chapter 87, General Statutes of North Carolina and regulations pursuant thereto, application is hereby made for a permit to monitoring wells.

1. Name of Applicant: Groundwater Technology, Inc. (Telephone: 9190467-2227)
Applicant's Mailing Address: 1000 Perimeter Park Dr., Ste I, Morrisville, NC 27560
2. Name of Property Owner (if different from applicant) Sun Company, Inc.
Owner's Mailing Address: 1103 Summit Ave., Greensboro, NC
3. Contact Person: Dan Shine (Telephone: _____)
4. Location of Property: 1107 Summit Ave., Greensboro
5. Reason for Monitoring Well(s): Environmental Assessment
(ex: nondischarge permit requirements, suspected contamination, environmental assessment, etc.)
6. Type of facility or site for which the monitoring well(s) is needed: UST
(ex: nondischarge facility, waste disposal site, landfill, underground storage tank, etc.)
7. Type of contamination being monitored (if applicable): Petroleum Hydrocarbons
(ex: nutrients, organics, heavy metals, etc.)
8. Are any existing recovery wells associated with the monitoring well(s)? no If yes, how many? _____
Recovery Well Construction Permit No. _____
9. Distance to a known waste or pollution source: unknown feet
10. Are any water supply wells located less than 500 feet from the proposed monitoring wells? no
If yes, give distance: _____ feet
11. Well Driller: Rock Ray Drilling
12. Registration #: 1457
13. Driller's Address: 2971 Treway Ct., Virginia Beach, VA 23456

PROPOSED MONITORING WELL CONSTRUCTION INFORMATION

1. Total Number of Wells to be constructed: 1; (A) Number to be completed in bedrock? 0
(B) Number to be completed in unconsolidated material? _____
2. Estimated depth of well(s): 20 feet
3. Gravel or sand pack interval (if appropriate)
From 4 feet To 15 feet
4. Type of casing used: Sch. 40 PVC
(ex: PVC, stainless steel, galvanized steel, etc.)
5. Diameter of casing: 2 inches

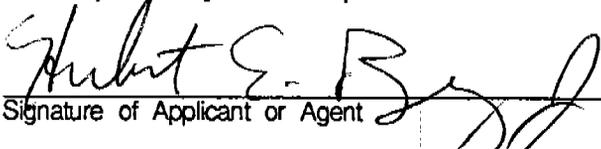
FOR OFFICE USE ONLY	
___	PERMITTED ACTIVITY
___	U.S.T. LEAK DETECTION
___	GROUNDWATER QUALITY STANDARDS VIOLATIONS SUSPECTED FROM UNPERMITTED ACTIVITIES
___	NOTICE OF NON-COMPLIANCE AT UNPERMITTED FACILITIES
PERMIT NO. _____	ISSUED _____ 19 _____
INCIDENT # _____	

6. Thickness of casing: 0.154 inches
7. How will the well(s) be secured? Locking Cap
8. Estimated beginning construction date: 8/30
8/31/95
9. Estimated completion date: _____

ADDITIONAL INFORMATION

1. ATTACH A SITE MAP SHOWING THE LOCATIONS OF THE FOLLOWING:
- 1 - PROPOSED MONITORING WELL(S)
 - 2 - ALL EXISTING MONITORING AND RECOVERY WELLS OR TEST BORINGS WITH THE PROPERTY BOUNDARY
 - 3 - ALL WATER SUPPLY WELLS WITHIN 500 FEET OF THE WASTE SOURCES
 - 4 - AT LEAST TWO REFERENCE POINTS (NUMBERED ROADS, INTERSECTIONS, STREAMS, ETC.)
2. PROVIDE A WELL CONSTRUCTION DIAGRAM OF EACH WELL SHOWING DIAMETER, ESTIMATED DEPTH, SCREEN INTERVALS, SAND/GRAVEL PACKS, TYPE OF CASING MATERIAL, CASING WALL THICKNESS, WELL HEAD COMPLETION DETAILS, ETC.)
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The Applicant hereby agrees the proposed well(s) will be constructed in accordance with approved specifications and conditions of the Well Construction Permit as regulated under the Well Construction Standards (Title 15A North Carolina Administrative Code, Subchapter 2C) and accepts full responsibility for compliance with these rules.



Signature of Applicant or Agent

Project Manager

Title (if applicable)

If the property is owned by someone other than the applicant, the property owner hereby consents to allow the applicant to construct monitoring wells as outlined in this application and that it shall be the responsibility of the applicant to ensure that these monitoring wells conform to the Well Construction Standards (Title 15A North Carolina Administrative Code, Subchapter 2C).

See Attached Site Access Agreement

Signature of Property Owner (if different from applicant)

Site Access and Indemnification Agreement



SITE ACCESS AND INDEMNIFICATION AGREEMENT

RECEIVED
JUL 10 1995

This SITE ACCESS AND INDEMNIFICATION AGREEMENT is made and entered into on this 5th day of July 1995 between Sun Company, Inc. (R&M) ("Sun") and Rabbi & Mrs. Richard Hammerman ("Owner").

WHEREAS, Sun is required by an appropriate government agency to conduct environmental investigation, monitoring or remediation (the "Activity") of contamination which may have emanated from a Sun facility in the vicinity of Owners's property at 1107 Summit Avenue, Greensboro, North Carolina (the "Site").

WHEREAS, Sun desires access to the Site in order to comply with the requirements of the appropriate government agency and conduct the Activity.

NOW, THEREFORE, in consideration of the premises and the mutual covenants herein contained and intending to be legally bound, the parties agree as follows:

Site Access

A. (1) Owner hereby grants permission to Sun, its agents and contractors to enter the Site and engage in the Activity. Such permission shall expire at the conclusion of the Activity.

(2) Owner agrees to undertake and to instruct its lessees, if applicable, to undertake best efforts not to damage or interfere with the operation of equipment brought on the Site by Sun, its agents or its contractor. If Owner intends to perform construction or major modifications to the Site which may impact Sun's activities or equipment, Owner will provide reasonable notice to Sun so that Sun can minimize disruption to the Activity. Owner will be responsible for the cost of Sun's equipment damaged by Owner or its lessee, agents, representatives, and contractors.

B. (1) Sun, at its cost and expense, will engage in the Activity pursuant to the requirements of the appropriate government agency.

(2) Sun will use its best efforts not to interfere with the occupants, if any, at the Site.

(3) Both parties acknowledge and agree that Sun will assume no responsibility for the monitoring or remediation of contamination which did not emanate from the facility currently or formerly owned or operated by Sun.



(4) At the conclusion of all Activity at the Site, Sun shall, at its sole cost and expense remove its equipment and restore the portion of the land impacted by the equipment to the condition which existed prior to the installation of such equipment.

Release and Indemnity

As consideration for being afforded access to the Site, Sun agrees to exercise due care and caution in the performance of the Activity. Sun hereby releases, indemnifies and holds harmless Owner, its parent & subsidiaries, affiliates and their respective shareholders, directors, officers, and agents from all claims, causes of action, or demands for losses, damages, fines, penalties or expenses (including attorney's fees), or injury to persons or property arising from the actions or omissions of Sun, its representatives, agents, or contractors while on or about the Site. It is provided, however, that claims arising out of existing Site conditions unrelated to the Activity and the negligence or willful misconduct of Owner, its parent and subsidiaries, affiliates, and their respective shareholders, directors, officers and agents are excluded from this release and indemnification.

SUN COMPANY, INC. (R&M)

By: *David P. A. C.*

Title: *Environmental Engineer*

Rabbi and Mrs. Richard Hammerman

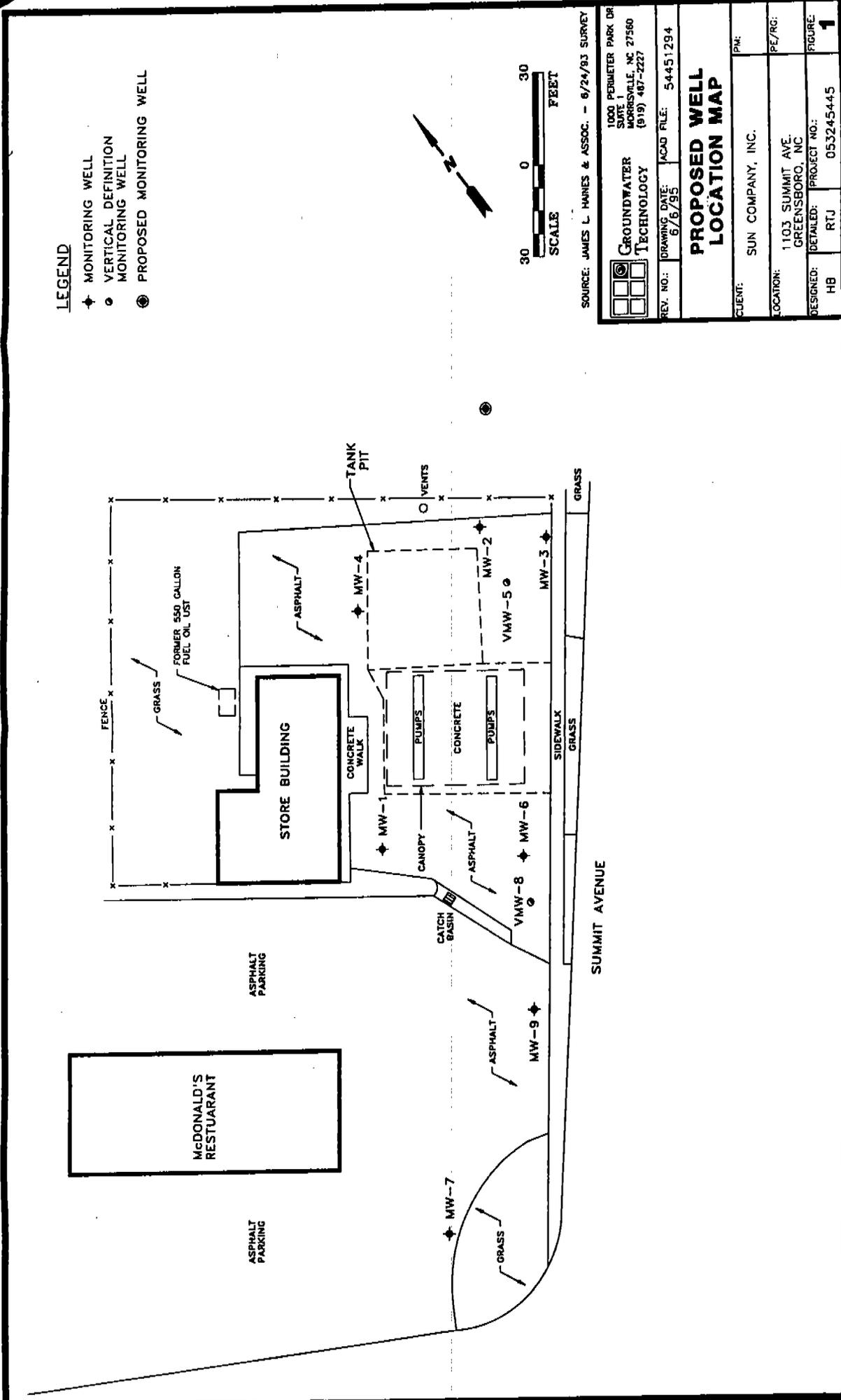
By: *Shaw Tracy Hammer*
Richard Hammerman

Title: *Owner*

Proposed Well Location Map

LEGEND

- ◆ MONITORING WELL
- VERTICAL DEFINITION MONITORING WELL
- PROPOSED MONITORING WELL



SOURCE: JAMES L. HAINES & ASSOC. - 6/24/93 SURVEY

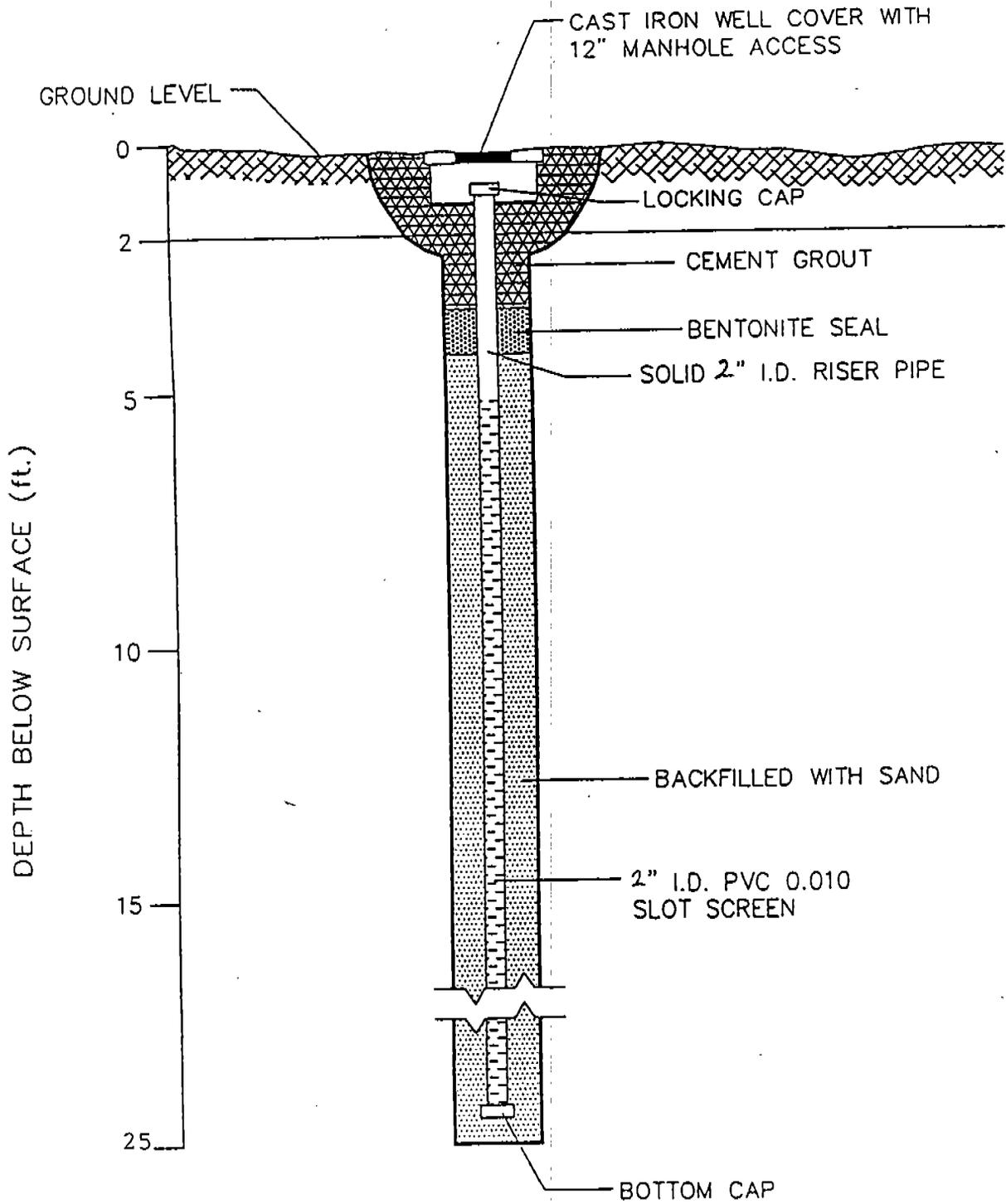
GROUNDWATER TECHNOLOGY
 1000 PERIMETER PARK DR
 SUITE 1
 MORRISVILLE, NC 27560
 (919) 487-2227

REV. NO.:
 DRAWING DATE: 6/6/95
 ACAD FILE: 54451294

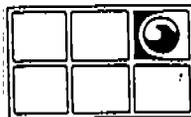
PROPOSED WELL LOCATION MAP

CLIENT:	SUN COMPANY, INC.	PN:	
LOCATION:	1103 SUMMIT AVE. GREENSBORO, NC	PE/RG:	
DESIGNED:	HB	PROJECT NO.:	053245445
	RTJ		1

Well Diagram



TYPICAL OBSERVATION WELL CONSTRUCTION



GROUNDWATER
TECHNOLOGY, INC.