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Regional Office

GROUNDWATER TECHNOLOGY

Groundwater Technology, Inc.
1000 Perimeter Park Drive, Suite #I, Morrisville, NC 27560

September 13, 1993

Mr. Waddell Waters
NCDEHNR
DEM - Groundwater Section
Winston-Salem Regional Office
8025 North Point Boulevard
Winston-Salem, North Carolina 27106

Re: Summit Avenue Sunoco
1103 Summit Avenue
Greensboro, North Carolina
Duns #0276-0007

Dear Mr. Waters:

On behalf of Sun/Mid-State Oil Company, Groundwater Technology, Inc. is requesting an extension of 60 days from the date of this letter for submittal of the Comprehensive Site Assessment report for the above referenced site. The majority of the CSA has been compiled; however, the horizontal extent of the hydrocarbon plume has not yet been fully defined. Groundwater Technology is pursuing access to the property adjacent to the west (downgradient) side of the subject site on which a McDonalds restaurant is located. This property was privately owned and has recently been turned back over to the McDonalds Corporation. Groundwater Technology is currently waiting on approval of the Off-site Access Agreement that was sent to the McDonalds Corporation on August 27, 1993, a copy of this agreement is enclosed. It is anticipated that access to the adjacent property will be approved and a Type II monitoring well can be installed within the next 30 to 45 days.

In the interim, I am also enclosing site maps and analytical results of groundwater samples collected during the most recent sampling event (June 15, 1993).

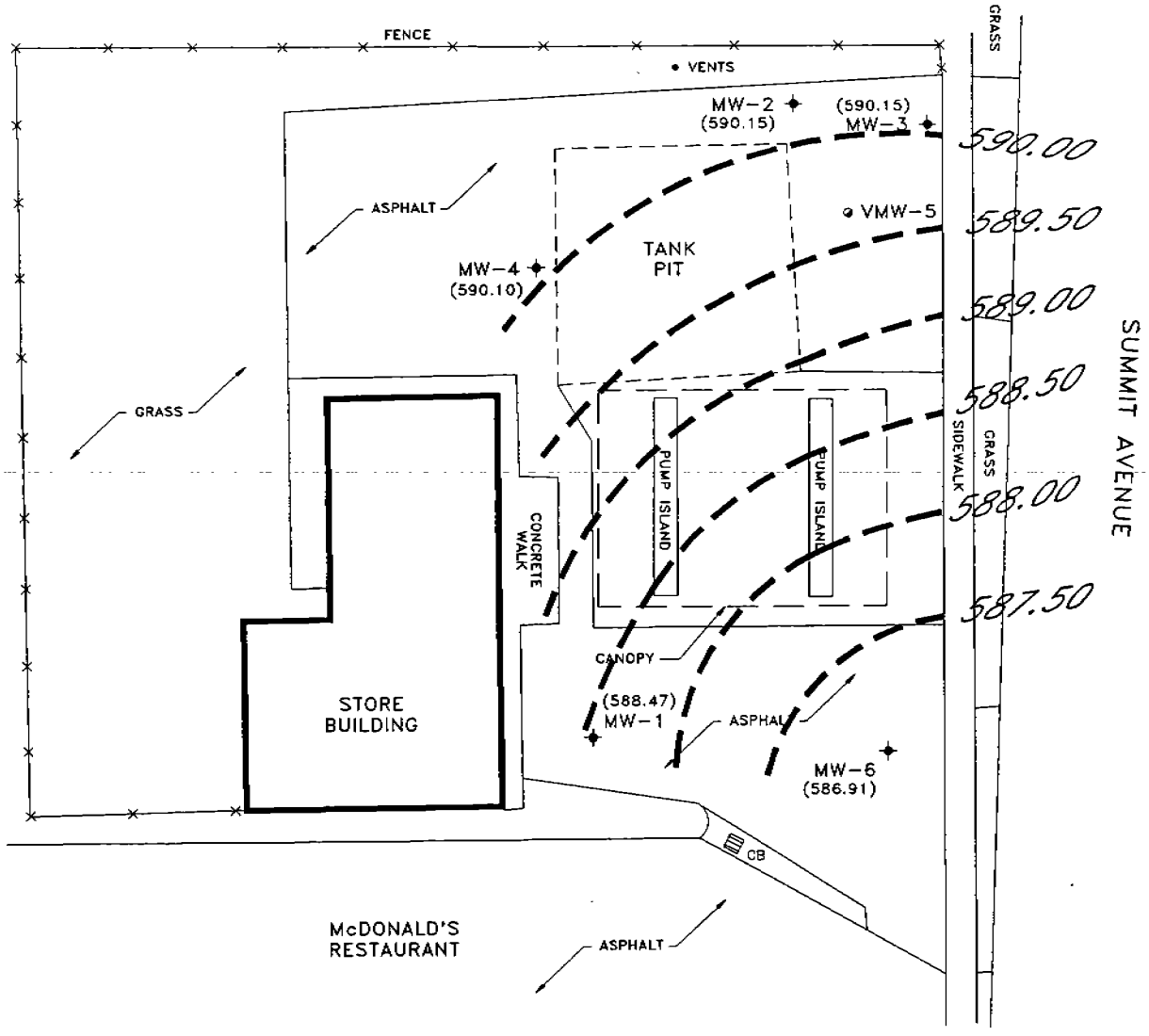
If you have any questions regarding this extension request or the Summit Avenue Sunoco site, please call me at (919) 467-2227.

Sincerely,
GROUNDWATER TECHNOLOGY, INC.

Teresa Watson

Teresa Watson
Geologist

cc: Dan Shine - Sun Company, Inc.



LEGEND

CB	CATCH BASIN
✦	MONITORING WELL
●	VERTICAL DEFINITION MONITORING WELL
(590.15)	WATER-TABLE ELEVATION (feet)
590.00	WATER-TABLE ELEVATION CONTOUR (feet)

N

30 0 30

SCALE FEET

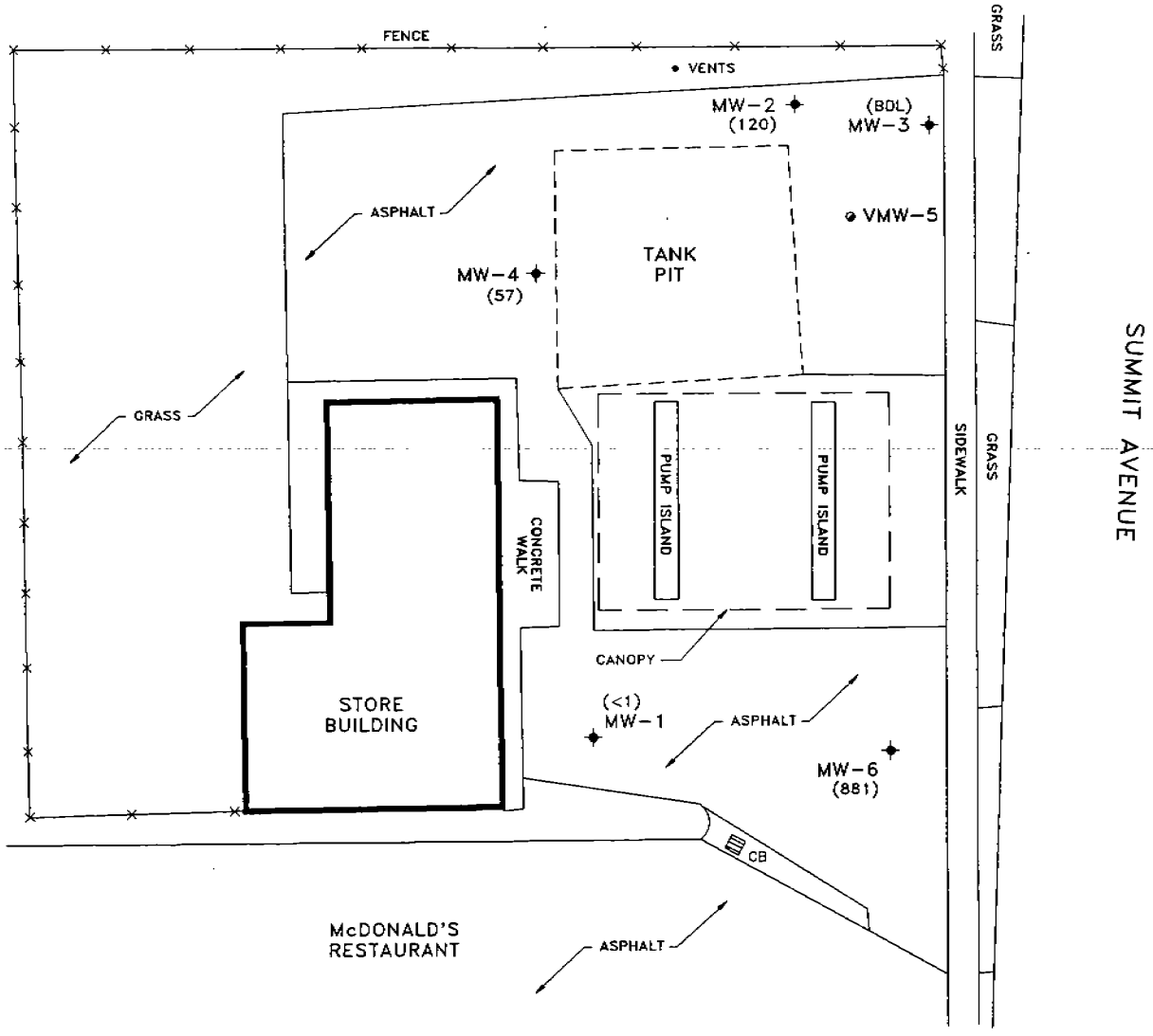
SOURCE: JAMES L. HAINES & ASSOC. - 6/24/93 SI

GROUNDWATER TECHNOLOGY
1000 PERIMETER PARK DR
SUITE I
MORRISVILLE, NC 27560
(919) 467-2227

REV. NO.:	DRAWING DATE: 7/19/93	ACAD FILE: 5445-SIT

WATER-TABLE ELEVATION CONTOUR MAP
JUNE 15, 1993

CLIENT: SUN COMPANY, INC.			PM:
LOCATION: 1103 SUMMIT AVE. GREENSBORO, NC			PE/RG:
DESIGNED: TLW	DETAILED: FKP	PROJECT NO.: 053245445	FIGURE: 7



LEGEND

- CB — CATCH BASIN
- MONITORING WELL
- VERTICAL DEFINITION MONITORING WELL
- (120) — DISSOLVED TOTAL BTEX CONCENTRATION (ppb)
- BDL — BELOW DETECTION LIMIT

N

30 0 30

SCALE FEET

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

GROUNDWATER TECHNOLOGY
1000 PERIMETER PARK DR.
SUITE I
MORRISVILLE, NC 27560
(919) 467-2227

REV. NO.:	DRAWING DATE: 7/19/93	ACAD FILE: 5445-SIT

DISTRIBUTION OF DISSOLVED TOTAL BTEX IN GROUNDWATER
JUNE 15, 1993

CLIENT: SUN COMPANY, INC.			PM:
LOCATION: 1103 SUMMIT AVE. GREENSBORO, NC			PE/RG:
DESIGNED: TLW	DETAILED: FKP	PROJECT NO.: 053245445	FIGURE: 9

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

4080 Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 Inside CA
(800) 423-7143 Outside CA
(510) 825-0720 FAX

Client Number: 053245445
Project ID: Greensboro, NC (Summit Ave)
Work Order Number: C3-06-0277

June 24, 1993

Teresa Watson
Groundwater Technology, Inc.
1000 Perimeter Park
Morrisville, NC 27560

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 06/16/93, under chain of custody record 29432.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

Eileen F. Bullen

Eileen F. Bullen
Laboratory Director

Client Number: 053245445
Project ID: Greensboro, NC (Summit Ave)
Work Order Number: C3-06-0277

Table 1

ANALYTICAL RESULTS

Aromatic Volatile Organics and MTBE in Water

EPA Methods 5030 and 602[a]

GTEL Sample Number		01	02	03	04
Client Identification		MW1	MW2	MW3	MW4
Date Sampled		06/15/93	06/15/93	06/15/93	06/15/93
Date Analyzed		06/27/93	06/27/93	06/27/93	06/27/93
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.3	0.7	120	<0.3	33
Toluene	0.3	<0.3	<0.3	<0.3	2
Ethylbenzene	0.3	<0.3	<0.3	<0.3	0.7
Xylene, total	0.5	<0.5	<0.5	<0.5	21
BTEX, total	--	0.7	120	--	57
Methyl-tert-butyl-ether	5	140	<5	<5	770
Isopropyl ether	1	29	82	<1	430
Detection Limit Multiplier		1	1	1	1
BFB surrogate, % recovery		96.8	95.1	94.9	98.0

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. BFB surrogate recovery acceptability limits are 70-130%.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Client Number: 053245445
Project ID: Greensboro, NC (Summit Ave)
Work Order Number: C3-06-0277

Table 1 (Continued)

ANALYTICAL RESULTS

Aromatic Volatile Organics and MTBE in Water

EPA Methods 5030 and 602[a]

GTEL Sample Number		05	06	M062793	
Client Identification		VMW5	MW6	METHOD BLANK	
Date Sampled		06/15/93	06/15/93	--	
Date Analyzed		06/27/93	06/27/93	06/27/93	
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.3	54	820	<0.3	
Toluene	0.3	<0.3	5	<0.3	
Ethylbenzene	0.3	<0.3	10	<0.3	
Xylene, total	0.5	<0.5	45	<0.5	
BTEX, total	--	54	881	--	
Methyl-tert-butyl-ether	5	<5	1800	<5	
Isopropyl ether	1	30	<1	<1	
Detection Limit Multiplier		1	1	1	
BFB surrogate, % recovery		94.6	102	94.3	

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. BFB surrogate recovery acceptability limits are 70-130%.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Client Number: 053245445
Project ID: Greensboro, NC (Summit Ave)
Work Order Number: C3-06-0277

Table 1

ANALYTICAL RESULTS

1,2-Dibromoethane in Water

EPA Method 504[a]

GTEL Sample Number		01	02	03	04
Client Identification		MW1	MW2	MW3	MW4
Date Sampled		06/15/93	06/15/93	06/15/93	06/15/93
Date Extracted		06/18/93	06/18/93	06/18/93	06/18/93
Date Analyzed		06/18/93	06/18/93	06/18/93	06/18/93
Analyte	Detection Limit, ug/L	Concentration, ug/L			
1,2-Dibromoethane	0.02	<0.02	<0.02	<0.02	<0.02
Detection Limit Multiplier		1	1	1	1
DBCP Surrogate, % Recovery		70.5	63.6	67.3	72.9

GTEL Sample Number		05	06	061293EDB	
Client Identification		VMW5	MW6	METHOD BLANK	
Date Sampled		06/15/93	06/15/93	--	
Date Extracted		06/18/93	06/18/93	06/18/93	
Date Analyzed		06/18/93	06/18/93	06/18/93	
Analyte	Detection Limit, ug/L	Concentration, ug/L			
1,2-Dibromoethane	0.02	<0.02	0.58	<0.02	
Detection Limit Multiplier		1	1	1	
DBCP Surrogate, % Recovery		57.3	104	79.8	

a. Methods for the Determination of Organic Compounds in Drinking Water, EPA/600/4-88/039, Revision 2.0, USEPA, December 1988.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Client Number: 053245445
Project ID: Greensboro, NC (Summit Ave.)
Work Order Number: C3-06-0277

Table 1

ANALYTICAL RESULTS

Purgeable Halocarbons in Water

EPA Method 601[a]

GTEL Sample Number		01	02	03	04
Client Identification		MW1	MW2	MW3	MW4
Date Sampled		06/15/93	06/15/93	06/15/93	06/15/93
Date Analyzed		06/24/93	06/24/93	06/24/93	06/25/93
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Chloromethane	0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane	0.5	<0.5	<0.5	<0.5	<0.5
Vinyl chloride	1	<1	<1	<1	<1
Chloroethane	0.5	<0.5	<0.5	<0.5	<0.5
Methylene chloride	0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethene	0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	0.5	5	11	<0.5	9
1,1,1-Trichloroethane	0.5	<0.5	<0.5	<0.5	<0.5
Carbon tetrachloride	0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	0.5	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene	0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene	0.5	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane	0.5	<0.5	<0.5	<0.5	<0.5
Dibromochloromethane	0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	0.5	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	0.5	<0.5	<0.5	<0.5	<0.5
2-Chloroethylvinyl ether	1	<1	<1	<1	<1
Bromoform	0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5
Trichlorofluoromethane	0.5	<0.5	<0.5	<0.5	<0.5
Detection Limit Multiplier		1	1	1	1
BFB surrogate, % recovery		86.8	93.6	95.2	91.4

a. Federal Register, Vol. 49, October 26, 1984. BFB surrogate recovery acceptability limits are 65-135%.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Client Number: 053245445
Project ID: Greensboro, NC (Summit Ave.)
Work Order Number: C3-06-0277

Table 1 (Continued)

ANALYTICAL RESULTS

Purgeable Halocarbons in Water

EPA Method 601[a]

GTEL Sample Number		05	06	062493C	
Client Identification		MW5	MW6	METHOD BLANK	
Date Sampled		06/15/93	06/15/93	--	
Date Analyzed		06/25/93	06/25/93	06/24/93	
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Chloromethane	0.5	<0.5	<0.5	<0.5	
Bromomethane	0.5	<0.5	<0.5	<0.5	
Vinyl chloride	1	<1	<1	<1	
Chloroethane	0.5	<0.5	<0.5	<0.5	
Methylene chloride	0.5	<0.5	<0.5	<0.5	
1,1-Dichloroethene	0.5	<0.5	<0.5	<0.5	
1,1-Dichloroethane	0.5	<0.5	<0.5	<0.5	
1,2-Dichloroethene	0.5	<0.5	<0.5	<0.5	
Chloroform	0.5	<0.5	<0.5	<0.5	
1,2-Dichloroethane	0.5	4	120	<0.5	
1,1,1-Trichloroethane	0.5	<0.5	<0.5	<0.5	
Carbon tetrachloride	0.5	<0.5	<0.5	<0.5	
Bromodichloromethane	0.5	<0.5	<0.5	<0.5	
1,2-Dichloropropane	0.5	<0.5	<0.5	<0.5	
cis-1,3-Dichloropropene	0.5	<0.5	<0.5	<0.5	
Trichloroethene	0.5	<0.5	<0.5	<0.5	
Dichlorodifluoromethane	0.5	<0.5	<0.5	<0.5	
Dibromochloromethane	0.5	<0.5	<0.5	<0.5	
1,1,2-Trichloroethane	0.5	<0.5	<0.5	<0.5	
trans-1,3-Dichloropropene	0.5	<0.5	<0.5	<0.5	
2-Chloroethylvinyl ether	1	<1	<1	<1	
Bromoform	0.5	<0.5	<0.5	<0.5	
Tetrachloroethene	0.5	<0.5	<0.5	<0.5	
1,1,2,2-Tetrachloroethane	0.5	<0.5	<0.5	<0.5	
Chlorobenzene	0.5	<0.5	<0.5	<0.5	
1,2-Dichlorobenzene	0.5	<0.5	<0.5	<0.5	
1,3-Dichlorobenzene	0.5	<0.5	<0.5	<0.5	
1,4-Dichlorobenzene	0.5	<0.5	<0.5	<0.5	
Trichlorofluoromethane	0.5	<0.5	<0.5	<0.5	
Detection Limit Multiplier		1	1	1	
BFB surrogate, % recovery		114	99.2	72.8	

a. Federal Register, Vol. 49, October 26, 1984. BFB surrogate recovery acceptability limits are 65-135%.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Client Number: 053245445
Project ID: Greensboro, NC (Summit Ave)
Work Order Number: C3-06-0277

Table 1

ANALYTICAL RESULTS

Semi-Volatile Organics in Water
EPA Method 8270[a]/625[b]

GTEL Sample Number		01	02	03	04
Client Identification		MW1	MW2	MW3	MW4
Date Sampled		06/15/93	06/15/93	06/15/93	06/15/93
Date Extracted		06/19/93	06/19/93	06/19/93	06/19/93
Date Analyzed		06/22/93	06/22/93	06/22/93	06/22/93
Analyte	Detection Limit, ug/L	Concentration, ug/L			
bis(2-Chloroethyl)ether	10	<10	<10	<10	<10
1,3-Dichlorobenzene	10	<10	<10	<10	<10
1,4-Dichlorobenzene	10	<10	<10	<10	<10
1,2-Dichlorobenzene	10	<10	<10	<10	<10
bis-(2-Chloroisopropyl)ether	10	<10	<10	<10	<10
N-Nitroso-di-propylamine	10	<10	<10	<10	<10
Hexachloroethane	10	<10	<10	<10	<10
Nitrobenzene	10	<10	<10	<10	<10
Isophorone	10	<10	<10	<10	<10
bis(2-Chloroethoxy)methane	10	<10	<10	<10	<10
1,2,4-Trichlorobenzene	10	<10	<10	<10	<10
Naphthalene	10	<10	<10	<10	19
4-Chloroaniline	10	<10	<10	<10	<10
Hexachlorobutadiene	10	<10	<10	<10	<10
2-Methylnaphthalene	10	<10	<10	<10	<10
Hexachlorocyclopentadiene	10	<10	<10	<10	<10
2-Chloronaphthalene	10	<10	<10	<10	<10
2-Nitroaniline	50	<50	<50	<50	<50
Dimethylphthalate	10	<10	<10	<10	<10
Acenaphthylene	10	<10	<10	<10	<10
3-Nitroaniline	50	<50	<50	<50	<50
Acenaphthene	10	<10	<10	<10	<10
4-Nitrophenol	50	<50	<50	<50	<50
Dibenzofuran	10	<10	<10	<10	<10
2,4-Dinitrotoluene	10	<10	<10	<10	<10
2,6-Dinitrotoluene	10	<10	<10	<10	<10

GTEL ENVIRONMENTAL LABORATORIES, INC.

Client Number: 053245445
Project ID: Greensboro, NC (Summit Ave)
Work Order Number: C3-06-0277

Table 1 (Continued)

ANALYTICAL RESULTS

Semi-Volatile Organics in Water
EPA Method 8270[a]/625[b]

GTEL Sample Number		01	02	03	04
Client Identification		MW1	MW2	MW3	MW4
Date Sampled		06/15/93	06/15/93	06/15/93	06/15/93
Date Extracted		06/19/93	06/19/93	06/19/93	06/19/93
Date Analyzed		06/22/93	06/22/93	06/22/93	06/22/93
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Diethylphthalate	10	<10	<10	<10	<10
4-Chlorophenyl-phenylether	10	<10	<10	<10	<10
Fluorene	10	<10	<10	<10	<10
4-Nitroaniline	50	<50	<50	<50	<50
N-Nitrosodiphenylamine	10	<10	<10	<10	<10
4-Bromophenyl-phenylether	10	<10	<10	<10	<10
Hexachlorobenzene	10	<10	<10	<10	<10
Phenanthrene	10	<10	<10	<10	<10
Anthracene	10	<10	<10	<10	<10
Di-n-butylphthalate	10	<10	<10	<10	<10
Fluoranthene	10	<10	<10	<10	<10
Pyrene	10	<10	<10	<10	<10
Butylbenzylphthalate	10	<10	<10	<10	<10
3,3'-Dichlorobenzidine	20	<20	<20	<20	<20
Benzo(a)anthracene	10	<10	<10	<10	<10
bis(2-Ethylhexyl)phthalate	10	<10	<10	<10	<10
Chrysene	10	<10	<10	<10	<10
Di-n-octylphthalate	10	<10	<10	<10	<10
Benzo(b)fluoranthene	10	<10	<10	<10	<10
Benzo(k)fluoranthene	10	<10	<10	<10	<10
Benzidine	20	<20	<20	<20	<20
Benzo(a)pyrene	10	<10	<10	<10	<10
Indeno(1,2,3-cd)pyrene	10	<10	<10	<10	<10
Dibenz(a,h)anthracene	10	<10	<10	<10	<10
Benzo(g,h,i)perylene	10	<10	<10	<10	<10
Detection Limit Multiplier		1	1	1	1
d5-Nitrobenzene surr., % rec.		85.5	55.8	82.6	97.9
2-Fluorobiphenyl surr., % rec.		81.8	62.3	80.1	85.8
d14-Terphenyl surr., % rec.		69.2	73.9	74.6	76.3

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Sample extraction by EPA Method 3510.
b. Federal Register, Vol. 49, October 26, 1984. Sample extraction by EPA Method 3510.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Client Number: 053245445
Project ID: Greensboro, NC (Summit Ave)
Work Order Number: C3-06-0277

Table 1

ANALYTICAL RESULTS

Semi-Volatile Organics in Water
EPA Method 8270[a]/625[b]

GTEL Sample Number		05	06	061993BN-1	
Client Identification		VMW5	MW6	METHOD BLANK	
Date Sampled		06/15/93	06/15/93	--	
Date Extracted		06/19/93	06/19/93	06/19/93	
Date Analyzed		06/22/93	06/22/93	06/22/93	
Analyte	Detection Limit, ug/L	Concentration, ug/L			
bis(2-Chloroethyl)ether	10	<10	<10	<10	
1,3-Dichlorobenzene	10	<10	<10	<10	
1,4-Dichlorobenzene	10	<10	<10	<10	
1,2-Dichlorobenzene	10	<10	<10	<10	
bis-(2-Chloroisopropyl)ether	10	<10	<10	<10	
N-Nitroso-di-propylamine	10	<10	<10	<10	
Hexachloroethane	10	<10	<10	<10	
Nitrobenzene	10	<10	<10	<10	
Isophorone	10	<10	<10	<10	
bis(2-Chloroethoxy)methane	10	<10	<10	<10	
1,2,4-Trichlorobenzene	10	<10	<10	<10	
Naphthalene	10	<10	17	<10	
4-Chloroaniline	10	<10	<10	<10	
Hexachlorobutadiene	10	<10	<10	<10	
2-Methylnaphthalene	10	<10	<10	<10	
Hexachlorocyclopentadiene	10	<10	<10	<10	
2-Chloronaphthalene	10	<10	<10	<10	
2-Nitroaniline	50	<50	<50	<50	
Dimethylphthalate	10	<10	<10	<10	
Acenaphthylene	10	<10	<10	<10	
3-Nitroaniline	50	<50	<50	<50	
Acenaphthene	10	<10	<10	<10	
4-Nitrophenol	50	<50	<50	<50	
Dibenzofuran	10	<10	<10	<10	
2,4-Dinitrotoluene	10	<10	<10	<10	
2,6-Dinitrotoluene	10	<10	<10	<10	

GTEL ENVIRONMENTAL LABORATORIES, INC.

Client Number: 053245445
Project ID: Greensboro, NC (Summit Ave)
Work Order Number: C3-06-0277

Table 1 (Continued)

ANALYTICAL RESULTS

Semi-Volatile Organics in Water
EPA Method 8270[a]/625[b]

GTEL Sample Number		05	06	061993BN-1	
Client Identification		VMW5	MW6	METHOD BLANK	
Date Sampled		06/15/93	06/15/93	--	
Date Extracted		06/19/93	06/19/93	06/19/93	
Date Analyzed		06/22/93	06/22/93	06/22/93	
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Diethylphthalate	10	<10	<10	<10	
4-Chlorophenyl-phenylether	10	<10	<10	<10	
Fluorene	10	<10	<10	<10	
4-Nitroaniline	50	<50	<50	<50	
N-Nitrosodiphenylamine	10	<10	<10	<10	
4-Bromophenyl-phenylether	10	<10	<10	<10	
Hexachlorobenzene	10	<10	<10	<10	
Phenanthrene	10	<10	<10	<10	
Anthracene	10	<10	<10	<10	
Di-n-butylphthalate	10	<10	<10	<10	
Fluoranthene	10	<10	<10	<10	
Pyrene	10	<10	<10	<10	
Butylbenzylphthalate	10	<10	<10	<10	
3,3'-Dichlorobenzidine	20	<20	<20	<20	
Benzo(a)anthracene	10	<10	<10	<10	
bis(2-Ethylhexyl)phthalate	10	<10	<10	<10	
Chrysene	10	<10	<10	<10	
Di-n-octylphthalate	10	<10	<10	<10	
Benzo(b)fluoranthene	10	<10	<10	<10	
Benzo(k)fluoranthene	10	<10	<10	<10	
Benzidine	20	<20	<20	<20	
Benzo(a)pyrene	10	<10	<10	<10	
Indeno(1,2,3-cd)pyrene	10	<10	<10	<10	
Dibenz(a,h)anthracene	10	<10	<10	<10	
Benzo(g,h,i)perylene	10	<10	<10	<10	
Detection Limit Multiplier		1	1	1	
d5-Nitrobenzene surr., % rec.		68.5	56.0	74.2	
2-Fluorobiphenyl surr., % rec.		76.3	62.0	72.5	
d14-Terphenyl surr., % rec.		69.7	77.5	68.5	

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Sample extraction by EPA Method 3510.
b. Federal Register, Vol. 49, October 26, 1984. Sample extraction by EPA Method 3510.

GTEL ENVIRONMENTAL LABORATORIES, INC.

GTEL ENVIRONMENTAL LABORATORIES, INC.

4080 PIKE LANE, SUITE C
CONCORD, CA 94520
(510) 685-7852
(800) 423-7143

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

29432

Company Name: GTI

Phone #: 919 467-2227

FAX #: 919 467 2279

Company Address: Morrisville, NC

Site location: Greensboro, NC (Summit AVE)

Project Manager: T. Watson

Client Project ID: (#) 053245445-030543

(NAME) Sun-Summit AVE

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): Aaron Hill

Field Sample ID	GTEL Lab # (Lab use only)	# Containers	Matrix: WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	Method Preserved: HCl	HNO_3	H_2SO_4	ICE	UNPRESERVED	OTHER (SPECIFY)	Sampling: DATE	TIME	BTEX/602 ☒ 8020 ☐ with MTBE ☒ + IPE	BTEX/Gas Hydrocarbons PID/FID ☐ with MTBE ☐	Hydrocarbons GC/FID Gas ☐ Diesel ☐ Screen ☐	Hydrocarbon Profile (SIMDIS) ☐	Oil and Grease 413.1 ☐ 413.2 ☐ SM 503 ☐	TPH/IR 418.1 ☐ SM 503 ☐	EDB by 504 ☒ DBCP by 504 ☐	EPA 503.1 ☐ EPA 502.2 ☐	EPA 601 ☒ EPA 8010 ☐	EPA 602 ☐ EPA 8020 ☐	EPA 608 ☐ 8080 ☐ PCB only ☐	EPA 624/PPL ☐ 8240/TAL ☐ NBS (+15) ☐	EPA 625/PPL ☐ 8270/TAL ☐ NBS (+25) ☐	EPA 610 ☐ 8310 ☐	EP TOX Metals ☐ Pesticides ☐ Herbicides ☐	TCLP Metals ☐ VOA ☐ Semi-VOA ☐ Pest ☐ Herb ☐	EPA Metals - Priority Pollutant ☐ TAL ☐ RCRA ☐	CAM Metals TTLC ☐ STLC ☐	Lead 239.2 ☐ 200.7 ☐ 7420 ☐ 7421 ☐ 6010 ☐	Organic Lead ☐	Corrosivity ☐ Flash Point ☐ Reactivity ☐	EPA 625 Base Neutrals only
MW1	01	5	X						X			X			6/15/93	1130	X						X		X											X
MW2	02	5	X						X			X				1140	X						X		X											X
MW3	03	5	X						X			X				1150	X						X		X											X
MW4	04	5	X						X			X				1200	X						X		X											X
VMW5	05	5	X						X			X				1210	X						X		X											X
MW6	06	5	X						X			X				1220	X						X		X											X

TAT
- Priority (24 hr) ☐
- Expedited (48 hr) ☐
- 7 Business Days ☐
- Other STD
- Business Days ☐

Special Handling
- GTEL Contact
- Quote/Contract #
- Confirmation #
- PO #

SPECIAL DETECTION LIMITS

SPECIAL REPORTING REQUIREMENTS

FAX ☒

REMARKS
BTEX/602 + MTBE + IPE (2 voas) acidified w/ HCL
all others unacidified

Lab Use Only Lot #

Storage Location: SEALS INTACT, ON ICE AT 4°C

Work Order # C3060277

QA / QC LEVEL
BLUE ☐ CLP ☐ OTHER

CUSTODY RECORD

Relinquished by Sampler: Aaron Hill	Date 6/15/93	Time 1900	Received by: FEDEX ROU
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date 6/16/93	Time 0910	Received by Laboratory:

Waybill #

GROUNDWATER TECHNOLOGY

Groundwater Technology, Inc.
1000 Perimeter Park Drive, Suite 1, Morrisville, NC 27560 USA
Tel: (919) 467-2227

August 27, 1993

Mr. Tom Fowler
McDonald's Corporation
3200 Beachleaf Court, Suite 300
P.O. Box 95182
Raleigh, North Carolina 27625

Re: Access Agreement to Install a Groundwater Monitoring Well
McDonald's Restaurant
1101 Summit Avenue
Greensboro, North Carolina

Dear Mr. Fowler:

On behalf of Sun/Mid-State Oil, Groundwater Technology, Inc. requests permission to install one (1) groundwater monitoring well on property owned by the McDonald's Corporation and located at 1103 Summit Avenue in Greensboro, North Carolina. Installation of this well is being proposed at the request of the Winston-Salem Regional Office of the North Carolina Department of Environment, Health and Natural Resources (NCDEHNR) for the purpose of assessing the quality of groundwater in the vicinity of the Sunoco station located at 1103 Summit Avenue in Greensboro, North Carolina.

Sun/Mid-State Oil hereby requests your approval for its representatives, agents and contractors to have access to your property to perform the required work to install and monitor the proposed well. The well will be installed flush to the ground and completed in a concrete pad with a sealed, locking cap to prevent unauthorized access. A well construction diagram and map showing the proposed well location are attached. All costs incurred due to construction and installation of the well will be paid by Sun/Mid-State Oil.

In consideration of the foregoing, Sun/Mid-State Oil agrees that it shall exercise due care and caution to perform this work. Also, Sun/Mid-State Oil agrees to repair and restore your property if any damage thereto is caused by the acts or omissions of this Company, its representatives, agents or contractors.

The groundwater well will be monitored for a period of approximately five years or until the NCDEHNR determines that it is no longer necessary to monitor groundwater at this location. At that time, the well will be abandoned according to NCDEHNR guidelines by filling the annulus of the well with Portland cement grout.

If this access agreement meets with your approval please indicate your acceptance by signing this letter in the space provided below for your signature and returning it in the enclosed self-addressed envelope. Due to the fact that Sun/Mid-State Oil is under a strict time restraint with the Groundwater Section of the NCDEHNR to conduct the required work, a timely response to this letter would be greatly appreciated. If you have any questions regarding this matter, please call me at (919) 467-2227.

Sincerely,
GROUNDWATER TECHNOLOGY, INC.

Teresa Watson
Geologist

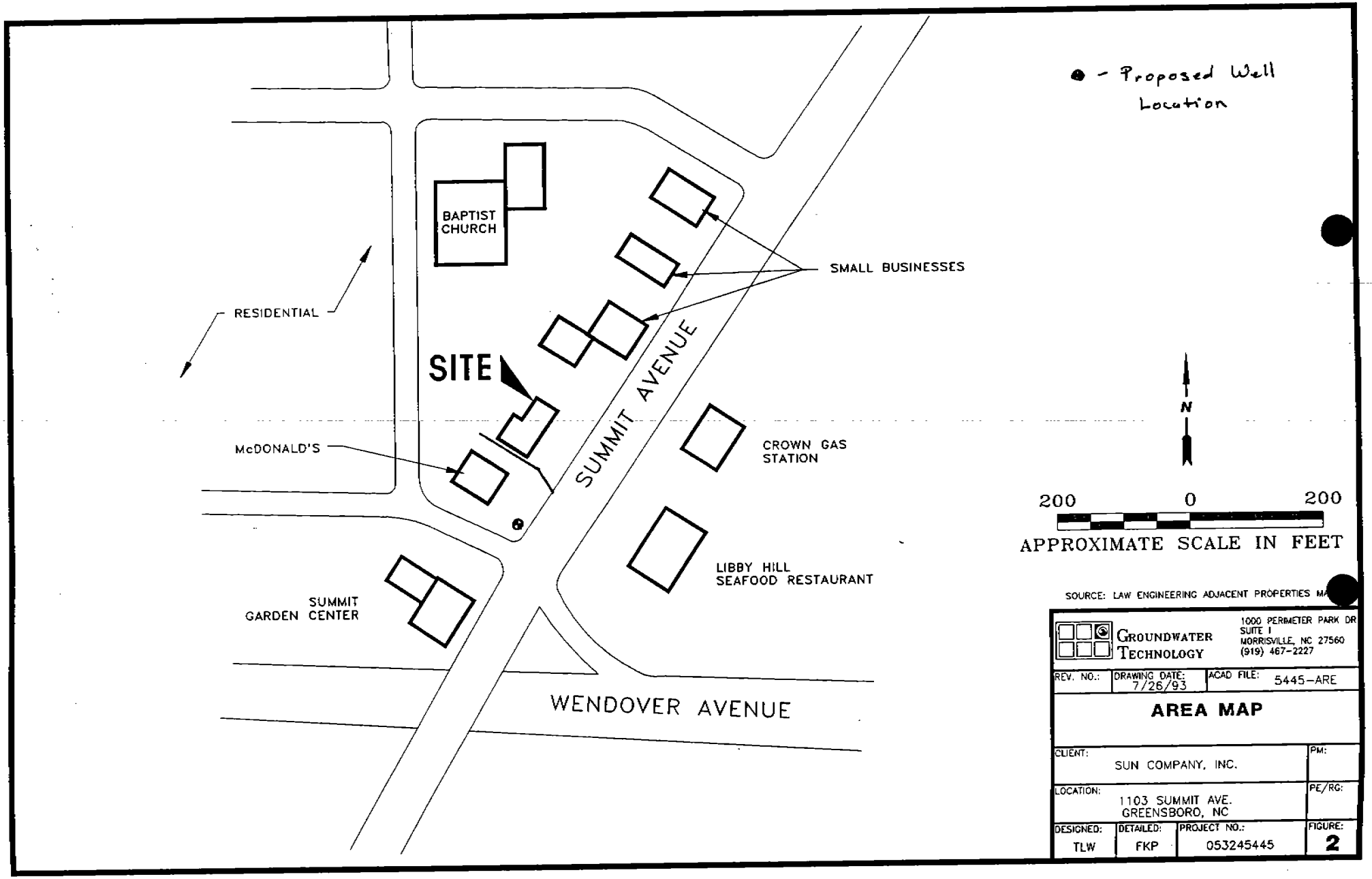
Reviewed and Accepted by:

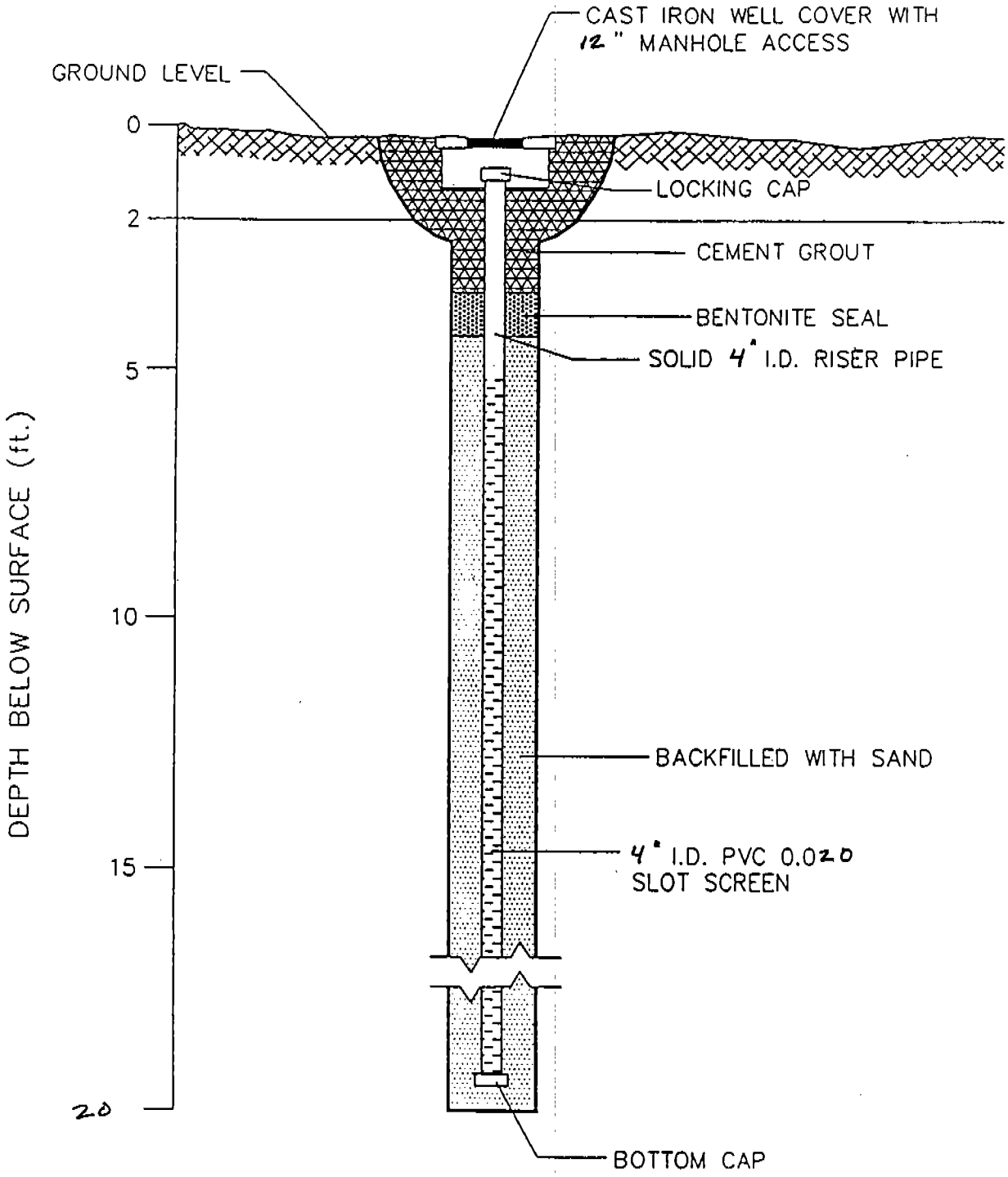
Property Owner/Owner's Representative	Sun Company, Inc.
Date	Date

Attachments: Well location map
Well construction diagram

cc: Dan Shine - Sun Company, Inc.

GROUNDWATER TECHNOLOGY


● - Proposed Well Location
BAPTIST CHURCH
SMALL BUSINESSES
RESIDENTIAL
SITE
SUMMIT AVENUE
McDONALD'S
CROWN GAS STATION
N
200 0 200
APPROXIMATE SCALE IN FEET
LIBBY HILL SEAFOOD RESTAURANT
SUMMIT GARDEN CENTER
WENDOVER AVENUE
SOURCE: LAW ENGINEERING ADJACENT PROPERTIES MA
GROUNDWATER TECHNOLOGY
1000 PERIMETER PARK DR
SUITE I
MORRISVILLE, NC 27560
(919) 467-2227
REV. NO.:
DRAWING DATE: 7/26/93
ACAD FILE: 5445-ARE
AREA MAP
CLIENT: SUN COMPANY, INC.
PM:
LOCATION: 1103 SUMMIT AVE. GREENSBORO, NC
PE/RG:
DESIGNED: TLW
DETAILED: FKP
PROJECT NO.: 053245445
FIGURE: 2



TYPICAL WELL CONSTRUCTION

GROUNDWATER TECHNOLOGY, INC.