TRIAD ENVIRONMENTAL CONSULTANTS, INC. AND ASSOCIATES

3519 Clemmons Road
Clemmons, NC 27012
Telephone & Fax
(919) 766-0810

RECEIVED JAN 22 1993

January 21, 1993

Ms. Kelly C. Gage
Guilford County Emergency Services
P.O. Box 18807
Greensboro, North Carolina 27419-8807

Re: Draper Corporation, 5644 Hornaday Road, Greensboro, NC
Copy of Water Sample Laboratory Report and associated Chain of Custody Record for monitoring wells MW-4, MW-5, and MW-6.

Dear Ms. Gage:

Enclosed, please find one (1) copy of the laboratory report and chain of custody records for the water samples collected from three (3) groundwater monitoring wells at the above referenced facility. The attached sketch shows the locations of the first six wells installed at the site. Water samples were collected from wells (MW-4, MW-5 and MW-6) on January 8, 1993 and submitted to Prism Laboratories for analysis by EPA Method 624 GC/MS - Purgeables.

Because Draper Corporation requested rush turnaround for these analyses, Prism subcontracted this work to W W Engineering and Science laboratories (a copy of their report and chain of custody record is also enclosed). Draper Corporation has previously reported to you that a 12 ppb (part per billion) concentration of Tetrachloroethene was discovered in MW-4 by these analyses. This report was made at our meeting on January 19, 1993.

If you have any questions or comments concerning these data, please contact me at 919-766-0810.

Respectfully,

M. Alex McGilvary

M. Alex McGilvary, P.G.
TRIAD ENVIRONMENTAL CONSULTANTS, INC.

MAM/kjl
encls/

cc: Ms. Sherri V. Knight, NCDEM
Jimmy Summers, Guilford Mills
C. Denny Walker, Draper Corporation

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

January 14, 1993

Triad Environmental
Attn: Steve Johnson
3519 Clemmons Road
Clemmons, NC 27012
Ref: Draper

Dear Mr. Johnson:

Below are results of analysis of 3 samples received for examination on January 8, 1993:

Customer Code: TRIAD Phone Number: (919)766-0810 (fax) 766-0810
LAB I.D. AA13993 Prism ID Number 1859A3 Prism Customer Number 6671
Collection Date: 01/08/93 Collection Time: 10:25
Submittal Date: 01/08/93 Submittal Time: 15:48
Customer Sample I.D#: MW-4

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
Multicomponent analysis: EPA Method 624			
benzene	ug/l	Not Det	5
carbon tetrachloride	ug/l	Not Det	5
chlorobenzene	ug/l	Not Det	5
1,2-dichloroethane	ug/l	Not Det	5
1,1,1-trichloroethane	ug/l	Not Det	5
1,1-dichloroethane	ug/l	Not Det	5
1,1,2-trichloroethane	ug/l	Not Det	5
1,1,2,2-tetrachloroethane	ug/l	Not Det	5
chloroethane	ug/l	Not Det	10
1,3-dichlorobenzene	ug/l	Not Det	5
2-chloroethylvinyl ether	ug/l	Not Det	10
chloroform	ug/l	Not Det	5
1,1-dichloroethene	ug/l	Not Det	5
trans-1,2-dichloroethene	ug/l	Not Det	5
1,2-dichloropropane	ug/l	Not Det	5
cis-1,3-dichloropropene	ug/l	Not Det	5
trans-1,3-dichloropropene	ug/l	Not Det	5
ethylbenzene	ug/l	Not Det	5
methylene chloride	ug/l	Not Det	5
chloromethane	ug/l	Not Det	10
bromomethane	ug/l	Not Det	10
bromoform	ug/l	Not Det	5
bromodichloromethane	ug/l	Not Det	5

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

Triad Environmental
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January 14, 1993

EPA Method 624 (continued):

dibromochloromethane	ug/l	Not Det	5
1,2-dichlorobenzene	ug/l	Not Det	5
tetrachloroethene	ug/l	12	5
toluene	ug/l	Not Det	5
trichloroethene	ug/l	Not Det	5
vinyl chloride	ug/l	Not Det	10
1,4-dichlorobenzene	ug/l	Not Det	5
trichlorofluoromethane	ug/l	Not Det	5

Comments:
Project Name: Draper Corporation
MW-4 - MW-6

Customer Code: TRIAD Phone Number: (919)766-0810 (fax) 766-0810
LAB I.D. AA13995 Prism ID Number 1859A3 Prism Customer Number 6671
Collection Date: 01/08/93 Collection Time: 09:50
Submittal Date: 01/08/93 Submittal Time: 15:48
Customer Sample I.D#: MW-6

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
Multicomponent analysis: EPA Method 624			
benzene	ug/l	Not Det	5
carbon tetrachloride	ug/l	Not Det	5
chlorobenzene	ug/l	Not Det	5
1,2-dichloroethane	ug/l	Not Det	5
1,1,1-trichloroethane	ug/l	Not Det	5
1,1-dichloroethane	ug/l	Not Det	5
1,1,2-trichloroethane	ug/l	Not Det	5
1,1,2,2-tetrachloroethane	ug/l	Not Det	5
chloroethane	ug/l	Not Det	10
1,3-dichlorobenzene	ug/l	Not Det	5
2-chloroethylvinyl ether	ug/l	Not Det	10
chloroform	ug/l	Not Det	5
1,1-dichloroethene	ug/l	Not Det	5
trans-1,2-dichloroethene	ug/l	Not Det	5
1,2-dichloropropane	ug/l	Not Det	5
cis-1,3-dichloropropene	ug/l	Not Det	5
trans-1,3-dichloropropene	ug/l	Not Det	5
ethylbenzene	ug/l	Not Det	5
methylene chloride	ug/l	Not Det	5
chloromethane	ug/l	Not Det	10
bromomethane	ug/l	Not Det	10
bromoform	ug/l	Not Det	5

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

Triad Environmental
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January 14, 1993

EPA Method 624 (continued):			
bromodichloromethane	ug/l	Not Det	5
dibromochloromethane	ug/l	Not Det	5
1,2-dichlorobenzene	ug/l	Not Det	5
tetrachloroethene	ug/l	Not Det	5
toluene	ug/l	Not Det	5
trichloroethene	ug/l	Not Det	5
vinyl chloride	ug/l	Not Det	10
1,4-dichlorobenzene	ug/l	Not Det	5
trichlorofluoromethane	ug/l	Not Det	5

Comments:
Project Name: Draper Corporation
MW-4 - MW-6

Customer Code: TRIAD Phone Number: (919)766-0810 (fax) 766-0810
LAB I.D. AA14020 Prism ID Number 1859A3 Prism Customer Number 6671
Collection Date: 01/08/93 Collection Time: 09:00
Submittal Date: 01/08/93 Submittal Time: 12:16
Customer Sample I.D#: MW-5

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
Multicomponent analysis: EPA Method 624			
benzene	ug/l	Not Det	5
carbon tetrachloride	ug/l	Not Det	5
chlorobenzene	ug/l	Not Det	5
1,2-dichloroethane	ug/l	Not Det	5
1,1,1-trichloroethane	ug/l	Not Det	5
1,1-dichloroethane	ug/l	Not Det	5
1,1,2-trichloroethane	ug/l	Not Det	5
1,1,2,2-tetrachloroethane	ug/l	Not Det	5
chloroethane	ug/l	Not Det	10
1,3-dichlorobenzene	ug/l	Not Det	5
2-chloroethylvinyl ether	ug/l	Not Det	10
chloroform	ug/l	Not Det	5
1,1-dichloroethene	ug/l	Not Det	5
trans-1,2-dichloroethene	ug/l	Not Det	5
1,2-dichloropropane	ug/l	Not Det	5
cis-1,3-dichloropropene	ug/l	Not Det	5
trans-1,3-dichloropropene	ug/l	Not Det	5
ethylbenzene	ug/l	Not Det	5
methylene chloride	ug/l	Not Det	5
chloromethane	ug/l	Not Det	10
bromomethane	ug/l	Not Det	10

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

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January 14, 1993

EPA Method 624 (continued):

bromoform	ug/l	Not Det	5
bromodichloromethane	ug/l	Not Det	5
dibromochloromethane	ug/l	Not Det	5
1,2-dichlorobenzene	ug/l	Not Det	5
tetrachloroethene	ug/l	Not Det	5
toluene	ug/l	Not Det	5
trichloroethene	ug/l	Not Det	5
vinyl chloride	ug/l	Not Det	10
1,4-dichlorobenzene	ug/l	Not Det	5
trichlorofluoromethane	ug/l	Not Det	5

Comments:
Project Name: Draper Corp.
Samples: Mw-4 - 6

Please advise should you have questions concerning these data.

Respectfully submitted,

Angela D. Overcash
Laboratory Manager

Main Office: 449 Springbrook Road P.O. Box 240543 Charlotte, NC 28224-0543 Phone: (704) 529-6364 Fax:(704) 525-0409
South Carolina Laboratory: 10471 Asheville Highway, P.O. Box 137, Inman, SC 29349 Phone: (803) 472-9046 Fax: (803) 472-5172
All Correspondences and Remittances to the Charlotte Office

LABORATORY REPORT

Attn: Angela Overcash
Prism Laboratories, Inc.
449 Springbrook Rd.
Charlotte NC 28217

Lab Reference # 8981
Sample Received: 01/11/1993
Report Date: 01/12/1993
Sample Matrix: WASTE WATER

Authorized Release of Data:
Thomas Williamson
Project Manager

Please find the attached results for samples submitted for analyses on 01/11/1993 to WW Analytical Services.

WW Engineering & Science
A Summit Company

ANALYTICAL SERVICES

VOA Report
(Volatile Organic Analysis)

Attn: Angela Overcash
Prism Laboratories, Inc.

Lab Reference # 8981

Date Received: 01/11/1993

Customer Sample Ref: 13993

Report Date: 01/12/1993

Matrix: WASTE WATER

Lab Sample ID: 8981-101

COMPOUND	RESULTS (µg/L)
1,1,1-Trichloroethane	<5
1,1,2,2-Tetrachloroethane	<5
1,1,2-Trichloroethane	<5
1,1-Dichloroethane	<5
1,1-Dichloroethene	<5
1,2-Dichlorobenzene	<5
1,2-Dichloroethane	<5
1,2-Dichloropropane	<5
1,3-Dichlorobenzene	<5
1,4-Dichlorobenzene	<5
2-Chloroethyl vinyl ether	<10
Benzene	<5
Bromodichloromethane	<5
Bromoform	<5
Bromomethane	<10
Carbon Tetrachloride	<5
Chlorobenzene	<5
Chloroethane	<10
Chloroform	<5
Chloromethane	<10
Dibromochloromethane	<5
Ethylbenzene	<5
Methylene Chloride	<5
Tetrachloroethene	12
Toluene	<5
Trichloroethene	<5
Trichlorofluoromethane	<5
Vinyl Chloride	<10
cis-1,3-Dichloropropene	<5
trans-1,2-Dichloroethene	<5
trans-1,3-Dichloropropene	<5

1550 - 37th Street NE, PO Box 3898, Cleveland, TN 37320-3898, 615/476-7766 Fax 476-9217

STATEMENT OF DATA QUALIFICATIONS

CLIENT: Prism Laboratories, Inc.

SUBMITTAL: 8981

_____X All analyses have been validated and comply with our Quality Control Program. No qualifications required.

_____ The following analyses have been qualified for the reasons cited.

Sample No. (s): _____ **Parameter:** _____ **Reason:** _____

Explanation: _____

Sample No. (s): _____ **Parameter:** _____ **Reason:** _____

Explanation: _____

REASON

1. Sample integrity suspect upon receipt (explain).
2. Analysis performed beyond EPA established maximum allowable holding time.
3. Detection limit elevated due to matrix interferences.
4. Laboratory control sample value outside established acceptable limits.
5. Matrix spike sample value outside established acceptable limits.
6. Duplicate analysis value outside established acceptable limits.
7. Surrogate/internal standard recoveries outside established acceptable limits.
8. Data point suspect due to potential laboratory contamination (explain).
9. Coelutes with the compound cited. Result may represent a combination of both compounds.
10. Other (explain).

NOTE: This document is included as part of the Analytical Report for the above referenced submittal and must be retained as a permanent record thereof.

PRISM LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

To: WWES

CHAIN OF CUSTODY RECORD

Main Office: 449 Springbrook Road; Charlotte, NC 28217
P.O. Box 240543; Charlotte, NC 28224-0543
Phone: (704) 529-6364 **Fax:** (704) 525-0409
SC Lab: 10471 Asheville Highway; P.O. Box 137; Inman, SC 29349
Phone:(803) 472-9046 **Fax:**(803) 472-5172

Client: Prism Labs.
Address: 449 Springbrook Rd.
Charlotte, NC 28217
Phone: 704-529-6364
Fax: 704-525-0409

Report To: Angela Overcash
Bill To: Same
P.O.#/Billing Reference:
Project Name/#:

Prism Client No.:
Sampled by (PRINT):
Sampler Signature:
Requested Due Date:

Item No.	Sample Description	Date & Time	Matrix	Prism No.	No. of Containers	Preservatives: None	H_2SO_4	HNO_3	NaOH	VOA	Analyses Request: EPA 624					Subcontractor	Remarks
1	13993	1/8/93 10:25	W	1859A3	2						✓						
2	13994	1/8/93 09:00	W	↓	2						✓						
3	13995	1/8/93 09:50	W	↓	2						✓						
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Relinquished By/Affiliation	Date	Time	Accepted By/Affiliation	Date	Time
Lindy Scott	1/8/93	4:17p.			

Comments:

Cooler Nos:
NPDES: NC ___ SC ___ Other ___
UST: NC ___ SC ___ Other ___
Bailers:
Groundwater: NC ___ SC ___ Other ___
Shipment Method: Out/Date
Drinking Water: NC ___ SC ___ Other ___
Solid Waste:
Returned/Date
NC ___ SC ___ Other ___
Other: NC ___ SC ___ Other ___

ENVIRONMENTAL CONSULTANTS, INC. AND ASSOCIATES
3519 Clemmons Road
Clemmons, NC 27012
Telephone & FAX
(919) 766-0810

Chain of Custody Record

PROJECT: Draper Corporation

SITE: Horneday Road Greensboro, N.C.

COLLECTED BY (Signature): Dan M. Groome

ANALYSES: EPA 624

FIELD SAMPLE I.D.	SAMPLE MATRIX	DATE/TIME	NO. OF CONTAINERS	EPA 624	REMARKS	SAM ID NO. (for lab use only)
MW-4	Water	1-8-93/1025	2	✓		13993
MW-5	water	1-8-93/0900	2	✓	14020	~~13994~~
MW-6	water	1-8-93/0950	2	✓		13995

REMARKS

RECEIVED BY:	DATE	TIME	RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME	RELINQUISHED BY:	DATE	TIME
James Nelson Jr.	1-8-93	1430	James Nelson	1-8-93	3:45pm	Heidy Scott	1/8/93	3:45pm	Dan M. Groome	1-8-93	1430

LAB USE ONLY

RECEIVED FOR LABORATORY BY:	DATE	TIME	AIRBILL NO.	OPENED BY:	DATE	TIME	TEMP°C	SEAL #	CONDITION

REMARKS:

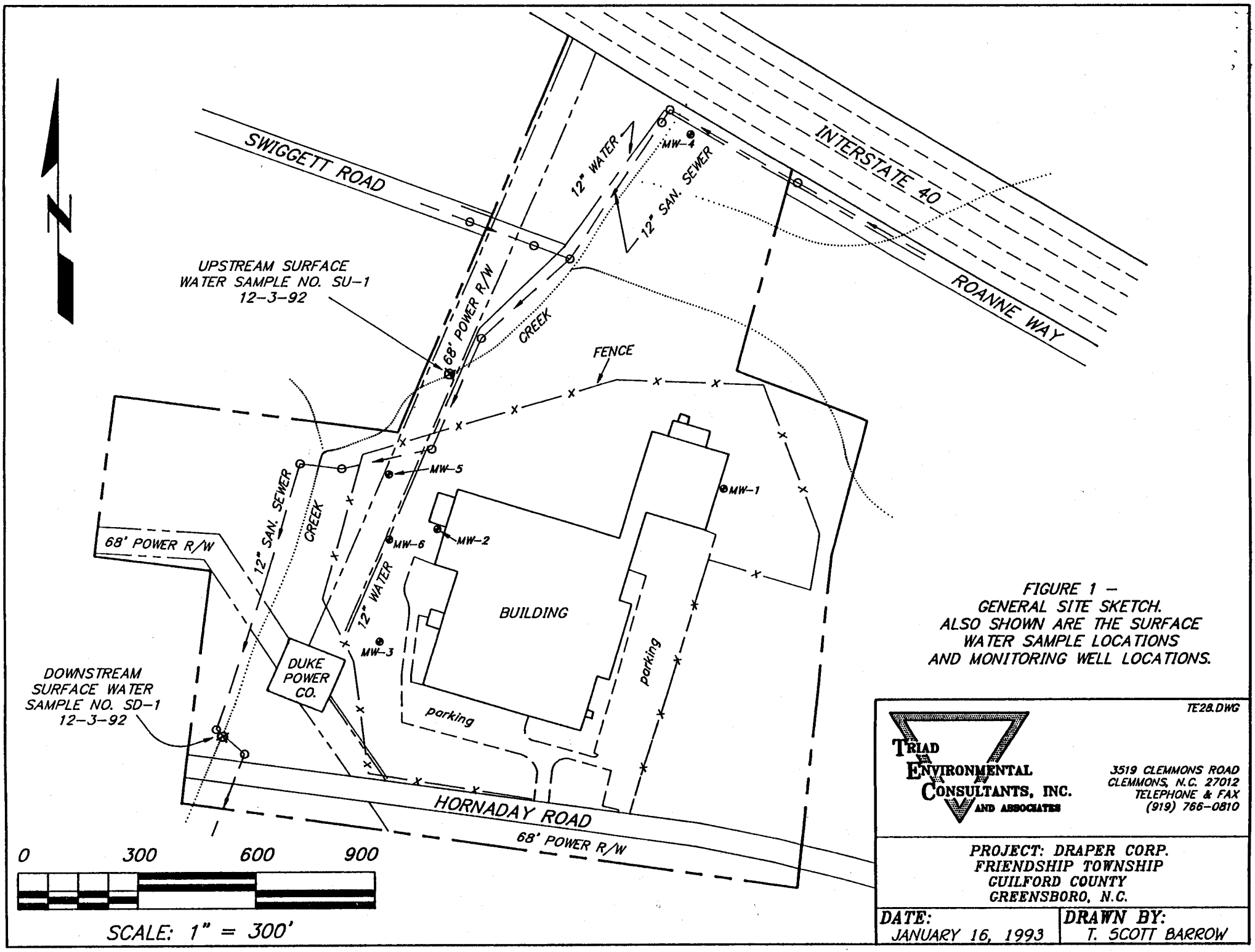

FIGURE 1 –
GENERAL SITE SKETCH.
ALSO SHOWN ARE THE SURFACE
WATER SAMPLE LOCATIONS
AND MONITORING WELL LOCATIONS.