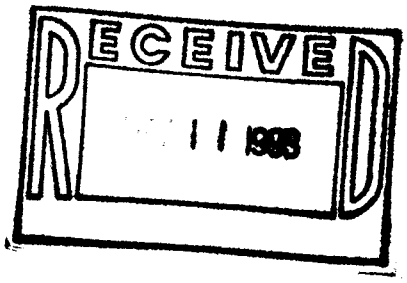
DRAPER CORPORATION
Corporate Offices

Post Office 18100
Greensboro, NC 27419
(919) 852-4200



May 10, 1993

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

Re: **Draper Corporation**
Comprehensive Site Assessment
Former 30,000 Gallon No. 4 Fuel Oil Tank Area
5644 Hornaday Road
Greensboro, Guilford County, North Carolina

file code A

Dear Ms. Gage:

Attached please find a Comprehensive Site Assessment Report for the above referenced site. This report was prepared by Triad Environmental Consultants, Inc. and reviewed by Draper Corporation attorneys Brooks, Pierce, McLendon, Humphrey and Leonard.

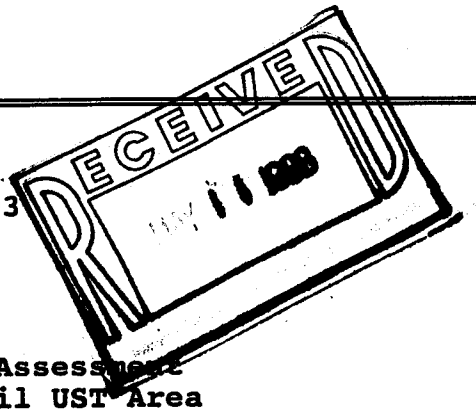
Draper Corporation appreciates your cooperation concerning our efforts to address the requirements of the Comprehensive Site Assessment. We look forward to working with you concerning the remediation of this situation and appreciate your input with respect to the most appropriate and effective Corrective Action Plans.

Respectfully,

Denny Walker
Draper Corporation

CDW/jm
Encl.

cc: Mr. George House - Brooks, Pierce, McLendon, Humphrey and Leonard
Mr. Kyle Woosley - Brooks, Pierce, McLendon, Humphrey and Leonard
Mr. Steven Johnson - Triad Environmental Consultants, Inc.



May 10, 1993

Comprehensive Site Assessment
30,000 Gallon Fuel Oil UST Area
Draper Corporation
5644 Hornaday Road
Greensboro, North Carolina

Prepared for:

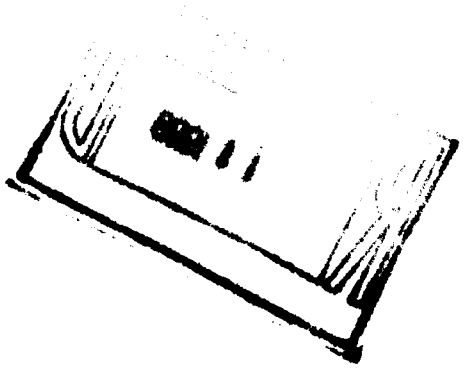
Mr. Denny Walker
Draper Corporation
P.O. Box 18100
Greensboro, North Carolina 27419

Prepared By:

Triad Environmental Consultants, Inc.
3519 Clemmons Road
Clemmons, North Carolina 27012

Reviewed By:

Brooks, Pierce, McLendon, Humphrey and Leonard



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Comprehensive Site Assessment
30,000 Gallon Fuel Oil UST Area
Draper Corporation
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Clemmons, North Carolina 27012

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1.0 INTRODUCTION

On behalf of Draper Corporation, Triad Environmental Consultants, Inc. (Triad Environmental) has conducted an investigation to determine the extent of the soil and groundwater contamination resulting from of a release of No. 4 fuel oil from an underground storage tank (UST) system at the Draper facility located at 5644 Hornaday Road in Greensboro, North Carolina. This report presents the methodology used to perform the assessment, describes the results of the investigation and gives conclusions about the site.

Triad Environmental's investigation was undertaken in response to the "Notice of Regulatory Requirements" issued to Draper Corporation on December 30, 1992 and the "Notice of Violation" issued to Draper Corporation on April 14, 1993. These notices were issued in response to the discovery of a release of No. 4 fuel oil from a 30,000 gallon UST system that was removed by Triad Environmental from the Draper facility site on December 16, 1992.

Triad Environmental's assessment has been conducted pursuant to 15A NCAC 2N .0704 and .0706. The format of this report generally follows the Comprehensive Site Assessment (CSA) Report Guidelines (June 11, 1992). A copy of these guidelines is attached as Appendix I.

2.0 SITE HISTORY AND SOURCE CHARACTERIZATION

2.1 Site Location

The Draper facility site is located near the intersection of Interstate Highway I-40 and Guilford College Road in Greensboro, North Carolina. The site consists of 54.4 acres. The area surrounding the site is characterized by a variety of usage, generally a mix of light industrial facilities and residential areas. Examples of surrounding industrial facilities are CIBA-GEIGY, Covington Diesel, Wilson Trucking Corporation, Carolina Tractor and Potpourri Press. A portion of the 7.5 United States Geological Survey (U.S.G.S.) topographic map (Guilford Quadrangle) showing the site area is included as Figure 1.

2.2 Relevant Physical Features

The dominant physical features on the Draper facility site are the Draper Corporation manufacturing building and a stream (Long Branch Creek). Approximately one third of the site is now covered by plant facilities or asphalted for parking.

As shown by the U.S.G.S. quadrangle map, the slope of the site is to the southwest. However, with the construction of the Draper manufacturing building, much of the original grade of the site has been altered.

A base map showing the Draper facility site and including the locations of the 30,000 gallon UST area, property lines and physical features is included as Figure 2.

2.3 History of Property Ownership and Usage

Information regarding the history of the facility use was obtained primarily from interviews with John Wilson and Charles Garwood. Mr. Wilson is presently with Draper Corporation maintenance. Mr. Garwood was a former facilities manager at the site.

It is our understanding that, prior to facility construction in 1971, the property was generally rural woods, fields and farmland. The immediate surrounding area was also undeveloped. Prior to building construction in 1971, the property belonged to Dan Nicholas, Inc. (JAMVIR Corporation). The building was constructed to house Carolina American Textiles. Mr. Wilson indicated that the plant activities included knitting, dying, packing, etc. Rockwell International then bought the facility in 1978 for the purpose of building textile machinery.

Delta Acquisition Corporation (Draper) bought the facility in 1982 and it presently houses various textile support operations including loom repair, manufacturing of textile parts and textile machinery design. Guilford Mills, Inc. purchased this facility on February 12, 1993. Draper Corporation will continue to lease the facility through February of 1995.

To the best of Triad Environmental's knowledge, there are no existing UST systems on the Draper facility site. Triad Environmental's investigation revealed no evidence of any existing UST system on the site.

Four (4) UST systems are known to have been operated on the site in the past. One was a 20,000 gallon diesel fuel UST system installed in March 1982 to fuel company trucks. This UST system was removed by Triad Environmental on December 11, 1992. Only two (2) soil samples collected from the 20,000 gallon tank excavation area exhibited concentrations (60 parts per million [ppm] and 46 ppm) of Total Petroleum Hydrocarbons (TPH). The five (5) other samples exhibited no TPH concentrations above the laboratory detection limit of 10 ppm. A Site Sensitivity Evaluation (SSE) will likely demonstrate that the TPH concentrations discovered associated with the former 20,000 gallon tank area may remain in place. The results of this SSE will be forwarded to Guilford County Emergency Services upon completion. A copy of Triad Environmental's closure report for this 20,000 gallon UST was mailed to Ms. Kelly Gage of Guilford County Emergency Services on January 21, 1993.

Another known UST system is the 30,000 gallon UST system that is the primary focus of this report. This system apparently was installed in March 1973 as a backup fuel source for the boilers located in the nearby boiler room. It is Triad Environmental's understanding that this 30,000 gallon UST system had been unused since the late 1970's. Triad Environmental removed this UST system on December 16, 1992. A copy of the closure report for this 30,000 gallon tank was also mailed to Ms. Kelly Gage on January 21, 1993.

The other two (2) UST systems installed at the Draper facility were used to store No. 2 fuel oil in the past. Mr. John Wilson, Draper Corporation Maintenance, stated that both systems had been removed in 1978. However, he was unable to recall the exact areas where the systems were located. Triad Environmental's investigation revealed no tank removal report or other evidence showing the former tank locations.

2.4 Summary of Previous Release Information

Ms. Sharon Cihak of Guilford County Emergency Services was contacted concerning the question of previous releases in the area. No releases in the immediate area were on record.

Mr. John Wilson vaguely recalled a release of petroleum product (No. 2 fuel oil) in the early seventies during the time the plant was operated by Carolina American Textiles. The release was thought to be associated with the USTs that were removed in 1978. The release was reportedly cleaned up at that time. No documentation of this spill was found to confirm this incident.

2.5 Summary of Previous Environmental Investigations

On January 21, 1993, Triad Environmental submitted an environmental assessment to Draper Corporation. This assessment was performed associated with the real estate transfer of the property from Draper Corporation to Guilford Mills, Inc. This work gave preliminary information on the soil and groundwater impacts from the release of No. 4 fuel oil from the 30,000 gallon UST system. In this report, Triad Environmental described

several areas on the Draper facility that had been impacted by petroleum. These areas include the wash pit, the former drum storage area, the battery room and an area outside the boiler room. None of these areas appear to have any impact on the former 30,000 gallon tank area. The wash pit, former drum storage and the area outside the boiler room were excavated and the soils removed. The excavated soils were transported on March 8 and 9, 1993 to Cunningham Brick Company of Thomasville, North Carolina for reclamation. Additional soil samples will be collected to document that all contaminated soils have been removed. Further investigation to complete an SSE will be required for the battery room area. The results of these additional samples and investigation will be submitted to Guilford County Emergency Services upon completion.

Another environmental management survey was performed at this site by Rockwell International, a previous owner, in June of 1980. This report was prepared by Mr. R. W. Greer, Rockwell-Draper Environmental Control Coordinator. This report makes no mention of any petroleum contamination.

2.6 Release Scenario

The release of No. 4 fuel oil was discovered upon removal of the 30,000 gallon UST. No previous indication of leakage was reported. Observations made during UST removal indicated that leakage was associated with the product lines leading from the UST to the boiler. No obvious perforations were observed in the excavated UST. The release appeared to be mainly associated with

corrosion and piping failure at the top of the tank. Indications are that the release was gradual seepage.

2.7 Summary of Initial Assessments

An initial assessment entitled "Report of Findings" was performed and hand delivered to Guilford County Emergency Services on March 8, 1993. Soil and groundwater samples were obtained and laboratory testing was performed. The results of the testing indicated the presence of soil contamination in the area adjacent to the UST excavation.

A groundwater sample was obtained from an adjacent monitoring well (MW-6) on January 8, 1993. Laboratory analysis (EPA Method 625 - Acid/Base Neutral Ext.) performed on this water sample indicated a concentration of a petroleum related compound (31 ppb, 2, 4 - Dinitrophenol) in the sample. A second sample was obtained from the well (MW-6) on January 29, 1993 and the same analysis was performed. The results of the analysis performed on this additional sample indicated levels below the laboratory detection limits for all targeted compounds.

MW-8 NOT IN SUMMARY
NOT IN FIGURE
SAMPLE RESULTS SHOW 22 ppb CIS-1,2 DICHLOROETHENE
ONE IMMEDIATELY
QTRLY-RESAMPLE FOR THIS

2.8 Summary of Corrective Actions to Date

The 30,000 gallon UST system was removed from the Draper facility site as outlined in Triad Environmental's Closure report dated December 30, 1992. Petroleum impacted soils were removed and temporarily stockpiled on site. These soils were stockpiled on and covered with plastic sheeting as temporary containment. An attempt was made to excavate all of the impacted soils; however, excavation was limited by the presence of numerous

underground utilities and a concrete tank anchor pad. All impacted soils excavated from the tank area were combined with the soils removed from other areas of the Draper Facility (described in Section 2.5 of this report) and transported to Cunningham Brick Company on March 8-9, 1993 for reclamation. A total of 581 tons of material were sent to the brick kiln to be reclaimed.

2.9 Potential Offsite Contaminant Sources

Potential upgradient contaminant sources include above ground petroleum product storage facilities and a confirmed release of a variety of organic compounds on the Ciba-Geigy facility located north of the site. Figure 3 is a map showing these facilities.

GW FLOW DOES NOT LEND TO THIS THEORY

3.0 POTENTIAL RECEPTORS AND MIGRATION PATHWAYS

3.1 Water Supply Facilities

A windshield survey and a walkover of the Draper Facility and of the surrounding area conducted by Triad Environmental's personnel indicated only one (1) water supply well within 1500 feet of the UST excavation. The well location is shown on Figure 4. This well was installed to provide a backup fire protection water supply for the Draper manufacturing plant. This well is not presently in use and has not been used for at least 20 years. There are no surface water intakes for public water within 1500 feet of the UST excavation.

MUST ABANDON

3.2 Property Owners Adjacent to Site

A list of the owners of property adjacent to the Draper Facility site is included as Table 1. This listing is based on information collected by Triad Environmental during a May 7, 1993 visit to the Guilford County Tax Department. Phone numbers were gathered from telephone information services.

3.3 Subsurface Features

There are numerous underground utilities in the area adjacent to the UST. These include a natural gas pipeline, water lines for plant fire protection and a sanitary sewer line. These features are shown on Figure 5.

3.4 Municipal Water Lines

The area is served by the City of Greensboro municipal water lines. A twelve inch water main is located on the Draper facility site as shown on Figure 2.

3.5 Structures Potentially At Risk

Triad Environmental discovered no free product associated with this release. Since the product involved was No. 4 fuel oil and contains few aromatic constituents, little or no vapors are associated with this incident. Therefore, this incident presents very little explosion risk or fire hazard to the adjacent structures. Figure 6 shows the nearby structures.

3.6 Surface Drainage

The surface water drainage in the area is generally from the east to the west. The topography is gently sloping. The surface water flow direction is depicted by an arrow on Figure 7.

4.0 SOILS INVESTIGATION

4.1 Discussion of Soil Borings

On April 28, 1993, Triad Environmental personnel mobilized to the Draper facility site to collect additional samples from the former 30,000 gallon tank excavation area. Two (2) additional samples (Nos. HA-7-8.0 and HA-8-5.5) from the excavation were submitted to Prism Laboratories for analysis by EPA Method 9071 and EPA Method 3550 GC. The locations where these two (2) samples were collected are shown on Figure 8.

On April 29 and 30, 1993, Triad Environmental personnel returned to the site with a subcontract drill rig. Using the drill rig, 8 and 1/4 inch O.D. augers and splitspoons, six (6) soil borings were installed around the periphery of the excavation area. Using standard splitspooning techniques, soil samples were collected at five (5) foot intervals from the six (6) borings. Augers and splitspoons were steam cleaned prior to each use. All other Triad Environmental field and sample handling procedures are summarized in Appendix II. Field screening of the boring samples was attempted; however, after the initial screening did not produce any conclusive results, no further field screening was performed.

A total of twenty-three (23) samples were collected from the borings. The soil boring investigation revealed that the soils in the tank area are generally clayey silts at the surface. These clayey silts progressively grade into more saprolitic (residual) and competent material at shallow depths. The top of

rock in the tank area, as demonstrated by auger refusal, generally varies between 18-25 feet below grade. Boring Logs and soil descriptions are included as Appendix III.

Using field observations, stratigraphy and the amount of sample recovered, twelve (12) soil samples collected from the borings were chosen to be submitted for laboratory analysis by EPA Method 9071 Oil and Grease. In addition to the soil samples collected from the borings around the periphery of the excavation, two (2) additional samples (LT-1-4 and LT-2-4) were collected adjacent to and below the product piping at locations between the tank and the Draper facility building area. These soil sampling locations are also shown on Figure 8. All results of the soil sample analyses are summarized in Tables 2 and 3.

4.2 Soil Boring Locations

All of the soil borings located around the former 30,000 gallon UST area are shown on Figure 8.

4.3 Horizontal Soil Delineation

Figure 9 shows the approximate extent of areas containing contaminants above the initial action level established for soil remediation (250 ppm Oil and Grease).

4.4 Cross Sections

Figures 10 and 11 show two cross sections through the 30,000 gallon tank area intersecting at right angles and extending across the site exhibiting the subsurface profile and approximate vertical extent of the contamination (above 250 ppm Oil and Grease) as determined by the soil borings.

4.5 Soil Sample Laboratory Results

The results of soil sample laboratory analyses are summarized in Tables 2 and 3. Copies of the Chain of Custody records are included in Appendix V and copies of the laboratory results are included in Appendix VI.

5.0 GROUNDWATER INVESTIGATION

5.1 Monitoring Well Installation

Three (3) groundwater monitoring wells have been installed in the area of the 30,000 gallon tank UST excavation. Monitoring well MW-6 was installed on January 7, 1993 and monitoring wells MW-13 and MW-14 were installed on April 29, 1993. The locations of these wells are shown on Figure 12. Details of well construction are included in Appendix IV.

5.2 Monitoring Well Location Selection

The well locations were chosen to have the greatest probability of encountering groundwater contamination and to determine the groundwater flow in the former area occupied by the 30,000 gallon tank system. Using the site topography as a guide, monitoring wells MW-6 and MW-14 were sited as downgradient wells and MW-13 was sited as an upgradient well. Since the contaminant was No. 4 fuel oil, a petroleum product whose major constituents are lighter than water (floaters), attention was focused on the upper levels of the surficial aquifer (saprolite). The screened intervals of the three (3) wells were positioned such that the water table would intersect the open area of the screen. However, all of the borings in which the monitoring wells were

installed were terminated at auger refusal and the screened area of the wells extends to the base of each boring. As this is the case, fuel oil constituents heavier than water should also be able to enter each well.

5.3 Water Table Data

A survey instrument was utilized to measure the top of well casing elevations. Also, static water table measurements were obtained. A summary of this data is included in Table 4. This data was utilized to construct a groundwater contour map (Figure 13).

5.4 Water Sample Laboratory Testing

The only water supply well in the area is located on the property approximately 600 feet southeast of the UST excavation. ABANDON Since the wellhead is not accessible and the well is not currently in use, no sampling was performed.

Water sample collection was conducted following Triad Environmental's standard procedures attached to this report as Appendix II. Monitoring well MW-6 was sampled on January 8, 1993 and analyzed by EPA Method 625. The only detectable compound was a trace (31 ppb [parts per billion]) of 2,4 - Dinitrophenol. Monitoring well MW-6 was resampled on January 29, 1993 and again on April 29, 1993. Both of these samples were analyzed by EPA Method 625. The prior finding of 2,4 - Dinitrophenol was not confirmed and both samples indicated levels below laboratory detection limits for all targeted compounds.

Monitoring wells MW-13 and MW-14 were sampled on April 29, 1993 and analyzed by EPA Method 625. Both samples indicated levels below laboratory detection limits for all targeted compounds.

A summary of the groundwater laboratory testing is included in Table 5. Copies of the Chain of Custody records are included in Appendix V and copies of the laboratory results are included in Appendix VI.

5.5 Free Product

No free product was encountered in the former 30,000 gallon tank area. Previous investigation by Triad Environmental revealed no free phase petroleum product at any location on the Draper Facility.

5.6 Isoconcentration Map

It is not possible to construct an isoconcentration map with current groundwater data.

5.7 Aquifer Cross Sections

Two (2) aquifer cross sections are presented as Figures 14 and 15. These figures depict the shallow ("water table") aquifer and the placement of the screened interval of the groundwater monitoring wells intersected by the cross sections.

5.8 Water Table Characteristics

Data indicate that the groundwater flow direction is toward the stream located west of the UST excavation. Figure 13 is a groundwater contour map showing the groundwater flow information. Based on the water level measured at MW-6, surface water entering

the excavation area is apparently causing mounding of the water table in this area. Triad Environmental has received a permit from the City of Greensboro to pump this water from the excavation and discharge to the sanitary sewer, if removal of the water is deemed necessary. This permit is attached as Appendix VII.

6.0 RECOMMENDATIONS

It appears that the soils around the former 30,000 gallon tank excavation contain concentrations of Oil and Grease which exceed current North Carolina Department of Environmental Management (NCDEM) standards. A SSE is not appropriate at this location as it appears that contaminated soil is located less than five feet from the water table. However, as the contaminant is No. 4 fuel oil, which has an affinity to sorb to clayey soils, it is not likely that the extent of soil contamination is widespread. Based on the laboratory results from the samples taken from the soil borings, it does appear that the Oil and Grease concentrations attenuate with distance from the former 30,000 gallon tank area.

EPA Method 9071 is the required analytical procedure to detect No. 4 fuel oil, but often interference with naturally occurring substances can elevate the results of this test. Triad Environmental personnel's field observations indicated that obvious staining was not apparent in many of the samples collected from the soil borings (XB1 - XB6). Based on these observations and the susceptibility of Method 9071 to

MW-2 SHOWS
5 ppb METHYLENE CHLORIDE
PCE - 49 ppb

interferences, some of the results of laboratory analyses performed on the soil boring samples may be upwardly skewed.

No consistent groundwater contamination has been confirmed to date using EPA Method 625. The lack of consistent groundwater contamination in the immediate vicinity of the affected soils may be due to the nature of No. 4 fuel oil. The majority of No. 4 fuel oil constituents are not miscible with water and the affinity of No. 4 fuel oil to sorb to clayey soils may have prevented the leaching of fuel oil constituents into the groundwater.

Further investigation of the nature of No. 4 fuel oil and into EPA Method 9071 is recommended and is presently being conducted. Quarterly sampling of the groundwater monitoring wells (MW-6, MW-13 and MW-14), located adjacent to the former 30,000 gallon tank area for the next two quarters, is also recommended, at least for the next two (2) quarters. The information described above will be used to develop an appropriate corrective action plan to address this release. However, given the number and variety of underground utilities, the overhead power lines and the relatively shallow depth to rock, corrective action will likely be a combination of excavation, particularly in the product line area, and some type of in situ remediation.

WHAT ABOUT MW-8?

Based upon the information currently available, it seems unlikely that this release of No. 4 fuel oil will have any

measurable impact on the nearby Long Branch Creek. It is also unlikely that any of water supply sources are at risk of being affected by this release.

7.0 REFERENCES

7.1 Interviews

Draper and former Draper personnel interviewed by Triad Environmental during this and the previous investigations include the following:

Mr. Denny Walker - Vice President-Administration

Mr. Richard Lowdermilk - Manager of Engineering

Mr. John Wilson - Maintenance

Mr. Charles Garwood - Former Facility Manager

7.2 File Reviews

Environmental files were reviewed during a recent Phase I and Extended Phase II Environmental Assessment conducted by Triad Environmental during a recent property transfer.

7.3 Resource Material Cited

The following were used as resource materials during our investigations:

- USGS 7.5 Quadrangle of Guilford County

TABLE 1
Names, Addresses and Phone No.s of
Property Owners Adjacent to Draper Facility
Prepared from tax map listings and telephone information services
(May 7, 1993)

Draper Corporation
5644 Hornaday Road
Greensboro, North Carolina

Property Owner	Adjacent Portions of Property
Interstate 40	Northern Boundary
Covington Diesel 1-40 & Chimney Rock Road Greensboro, NC (919) 292-9240	Northwestern Boundary
North Carolina State Port Authority P.O. Box 9002 Wilmington, NC (919) 763-1621	Western Boundary, South of Swiggett Road
Paul V. and Neomia R. Gordon 1025 Tarrant Road Greensboro, NC No Telephone Number Available	Southwestern Boundary
Charlestowne Square Condominiums 814 Guilford College Road Greensboro, NC (919) 855-3179	Southern Boundary
Ciba-Geigy Corporation 410 Swing Road Greensboro, NC (919) 294-7882	Eastern Boundary
BCI Property Suite 200 4602 Dundas Drive Greensboro, NC No Telephone Number Available	Northwestern Boundary

TABLE 2

Soil Sample Laboratory Analyses
Draper Corporation
5644 Hornaday Road
Greensboro, North Carolina

Initial Tank Excavation Sample Results

Sample No.	Date Sampled	Sample Depth (Ft.)	TPH* EPA Method 3550 (mg/kg)**	Oil & Grease EPA Method 9071 (mg/kg)
RBS-1-13	12/18/92	13	1151	1112
RBS-2-13	12/18/92	13	1056	1994
RBS-3-13	12/18/92	13	<10	110
RBS-4-13	12/18/92	13	100	132

Additional Tank Excavation Sample Results

Sample No.	Date Sampled	Sample Depth (Ft.)	TPH* EPA Method 3550 (mg/kg)**	Oil & Grease EPA Method 9071 (mg/kg)
HA-7-8.0	4/28/93	8.0	<10	60
HA-8-5.5	4/28/93	5.5	<10	110

TABLE 3

Soil Sample Laboratory Analyses
Draper Corporation
5644 Hornaday Road
Greensboro, North Carolina

Soils Investigation Sample Results

Sample No.	Date Sampled	Sample Interval (Ft.)	Oil & Grease EPA Method 9071 (mg/kg)*
XB1/10-12	4/29/93	10-12	70
XB1/15-17	4/29/93	15-17	370
XB2/10-12	4/29/93	10-12	30
XB2/15-17	4/29/93	15-17	140
XB3/5-7	4/29/93	5-7	50
XB3/10-12	4/29/93	10-12	130
XB4/10-12	4/29/93	10-12	890
XB5/15-17	4/30/93	15-17	670
XB5/20-22	4/30/93	20-22	740
XB6/5-7	4/30/93	5-7	560
XB6/10-12	4/30/93	10-12	750
XB6/15-17	4/30/93	15-17	790

Piping Area Sample Results

Sample No.	Date Sampled	Sample Depth (Ft.)	Oil & Grease EPA Method 9071 (mg/kg)*
LT-1-4	4/30/93	4	10830
LT-2-4	4/30/93	4	3800

* mg/kg = milligrams per kilogram = milligrams per Liter
(or ppm = parts per million)

TABLE 4

Water Level Measurements

Draper Corporation
5644 Hornaday Road
Greensboro, North Carolina

Well No.	TOC* Elevation (feet)	Depth to Groundwater (feet)	Relative Groundwater Elevation
MW-2	100.00	7.45	92.55
MW-6	96.69	11.71	84.98
MW-7**	99.98	8.01	91.97
MW-13	97.45	12.98	84.47
MW-14	96.76	14.27	82.49

* TOC - Top Of Casing
** Type III Monitoring Well

TABLE 5

Results of Laboratory Analyses
Monitoring Wells MW-6, MW-13 and MW-14

Draper Corporation
5644 Hornaday Road
Greensboro, North Carolina

Monitoring Well MW-6

Sample Date	Method of Analysis	Compound Detected	15 NCAC 2L Standard
1/8/93	EPA Method 625	31 ppb* 2,4 - Dinitrophenol	DL**
1/29/93	EPA Method 625	ND+	N/A++
4/29/93	EPA Method 625	ND	N/A

Monitoring Well MW-13

Sample Date	Method of Analysis	Compound Detected	15 NCAC 2L Standard
4/29/93	EPA Method 625	ND	N/A

Monitoring Well MW-14

Sample Date	Method of Analysis	Compound Detected	15 NCAC 2L Standard
4/29/93	EPA Method 625	ND	N/A

* ppb - parts per billion
** **DL - Detection Limit**
\+ ND - No Detection of any targeted compounds
++ **N/A - Not Applicable**

FIGURE 1 - SITE MAP

GUILFORD QUADRANGLE

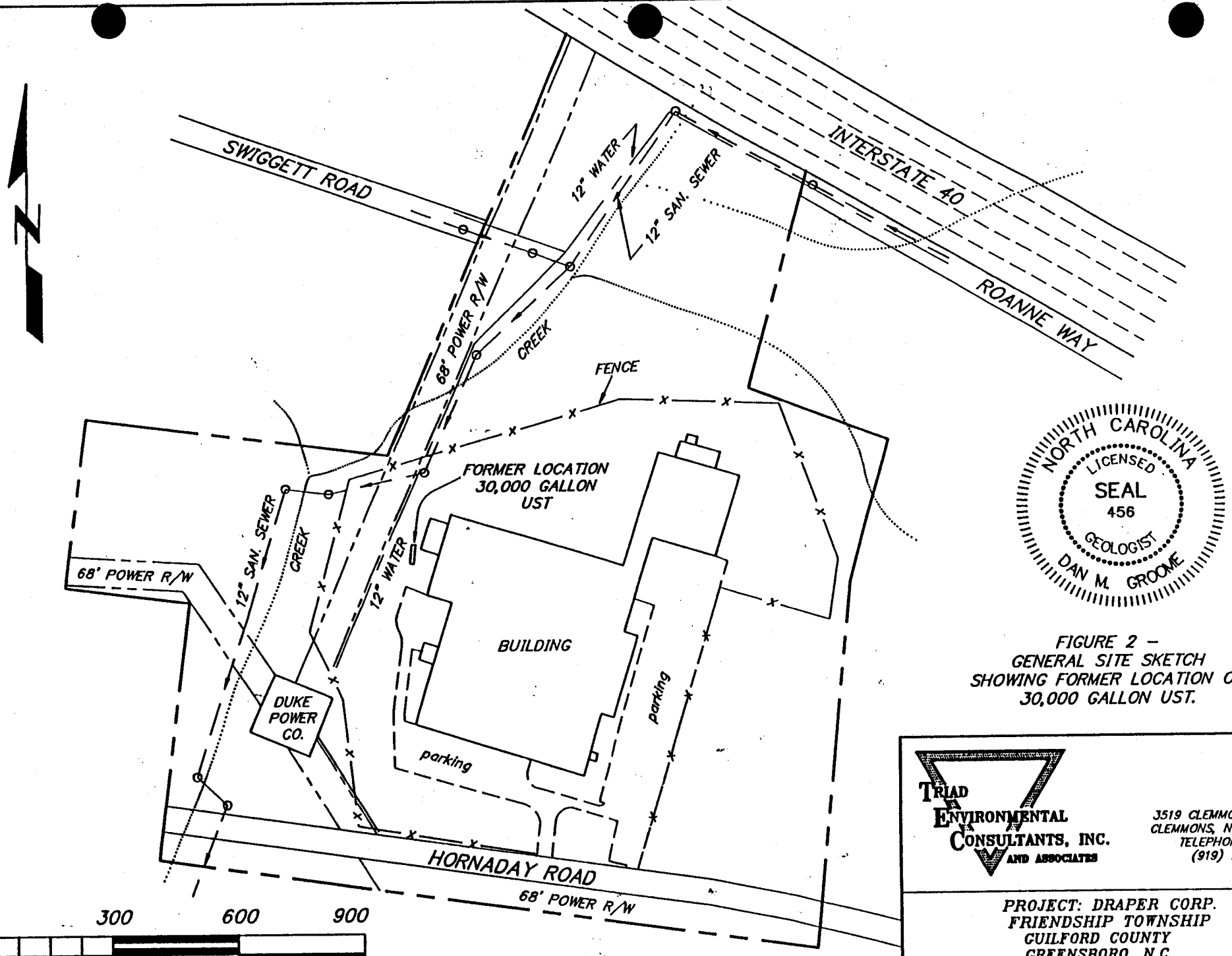
1951 - PHOTOREVISED 1988

0 2000 4000 6000

SCALE : 1" = 2000'

TRIAD ENVIRONMENTAL CONSULTANTS INC.
6500 CLEMMONS ROAD
CLEMMONS, NC 27012
TELEPHONE AND FAX
(910) 766-0810

DRAPER CORPORATION
5644 HORNADAY ROAD
GREENSBORO, NC



NORTH CAROLINA
LICENSED
SEAL
456
GEOLOGIST
DAN M. GROOME

FIGURE 2 –
GENERAL SITE SKETCH
SHOWING FORMER LOCATION OF
30,000 GALLON UST.

TE28.DWG

TRIAD ENVIRONMENTAL CONSULTANTS, INC. AND ASSOCIATES

3519 CLEMMONS ROAD
CLEMMONS, N.C. 27012
TELEPHONE & FAX
(919) 766-0810

PROJECT: DRAPER CORP.
FRIENDSHIP TOWNSHIP
GUILFORD COUNTY
GREENSBORO, N.C.

DATE: DECEMBER 21, 1992

DRAWN BY: T. SCOTT BARROW

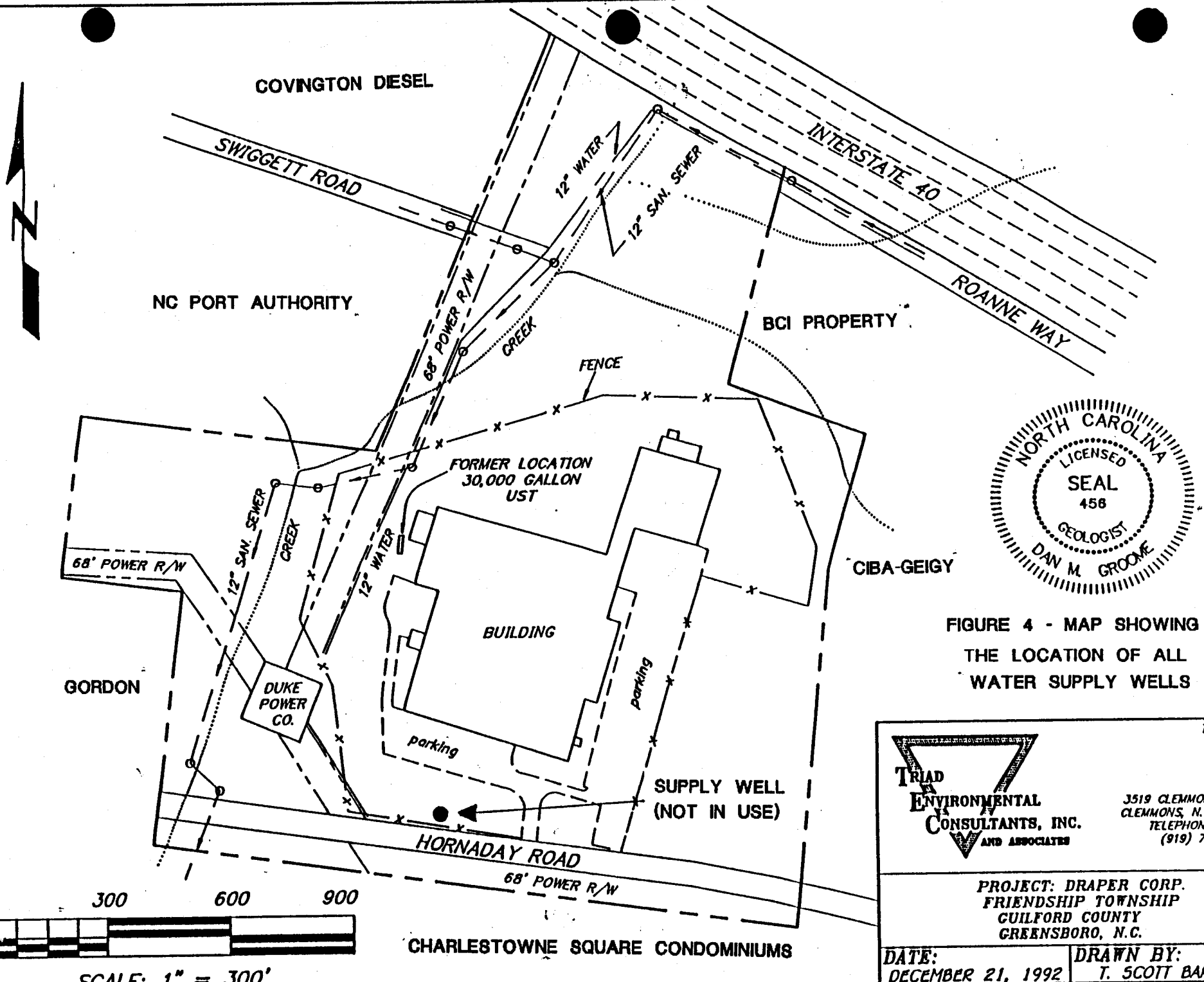
FIGURE 3 - BASE MAP SHOWING POTENTIAL OFF-SITE CONTAMINANT SOURCES

0 2000 4000 6000

SCALE : 1" = 2000'

TRIAD ENVIRONMENTAL CONSULTANTS, INC.
6619 CLEMMONS ROAD
CLEMMONS, NC 27012
TELEPHONE AND FAX
(910) 766-0610

DRAPER CORPORATION
5644 HORNADAY ROAD
GREENSBORO, NC



NORTH CAROLINA
LICENSED
SEAL
456
GEOLOGIST
DAN M. GROOME

FIGURE 4 - MAP SHOWING THE LOCATION OF ALL WATER SUPPLY WELLS

TE28.DWG

TRIAD ENVIRONMENTAL CONSULTANTS, INC. AND ASSOCIATES
3519 CLEMMONS ROAD
CLEMMONS, N.C. 27012
TELEPHONE & FAX
(919) 766-0810

PROJECT: DRAPER CORP.
FRIENDSHIP TOWNSHIP
GUILFORD COUNTY
GREENSBORO, N.C.

DATE: DECEMBER 21, 1992

DRAWN BY: T. SCOTT BARROW

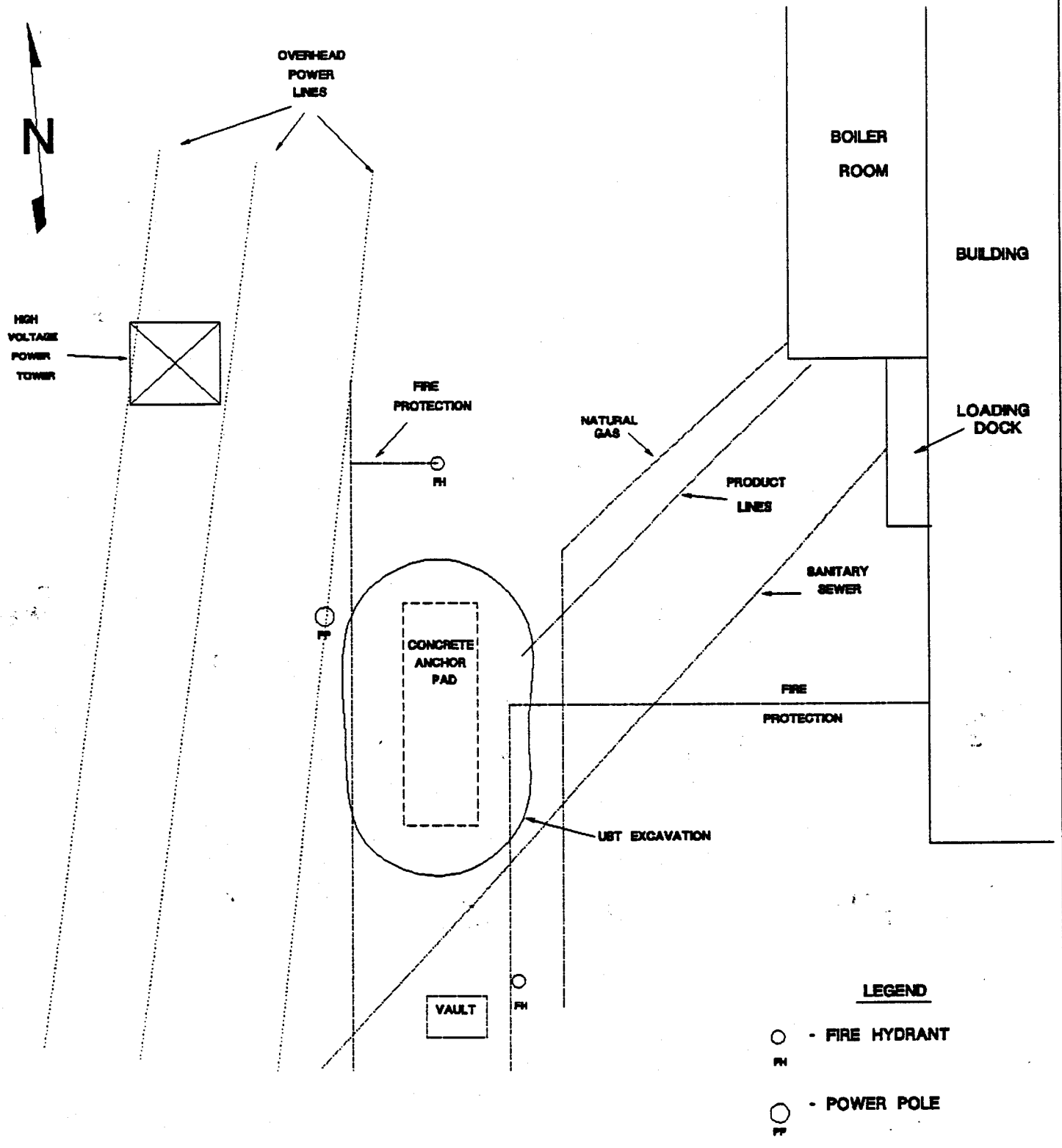


FIGURE 5 - BASE MAP SHOWING STRUCTURES AND UTILITIES

0 30 60 90

SCALE : 1" = 30'

TRIAD ENVIRONMENTAL CONSULTANTS, INC.
6010 CLEMMONS ROAD
CLEMMONS, NC 27012
TELEPHONE AND FAX
(910) 766-0610

DRAPER CORPORATION
5644 HORNADAY ROAD
GREENSBORO, N.C.

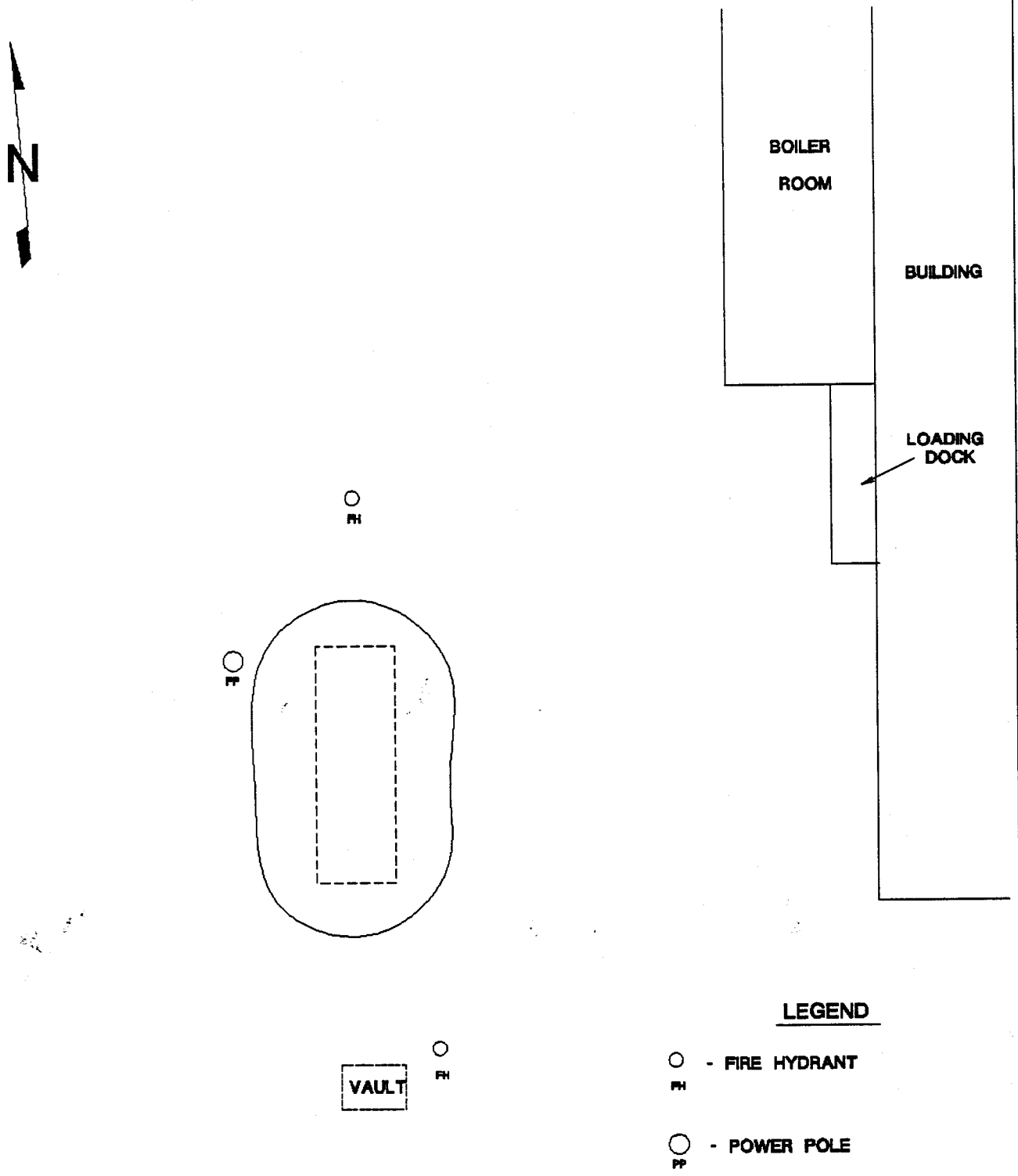


FIGURE 6 - STRUCTURES NEAR THE UST AREA
(NO FREE PRODUCT OR VAPORS PRESENT)

0 30 60 90

SCALE : 1" = 30'

TRIAD ENVIRONMENTAL CONSULTANTS, INC.
6619 CLEMMONS ROAD
CLEMMONS, NC 27012
TELEPHONE AND FAX
(910) 766-0610

DRAPER CORPORATION
5644 HORNADAY ROAD
GREENSBORO, N.C.

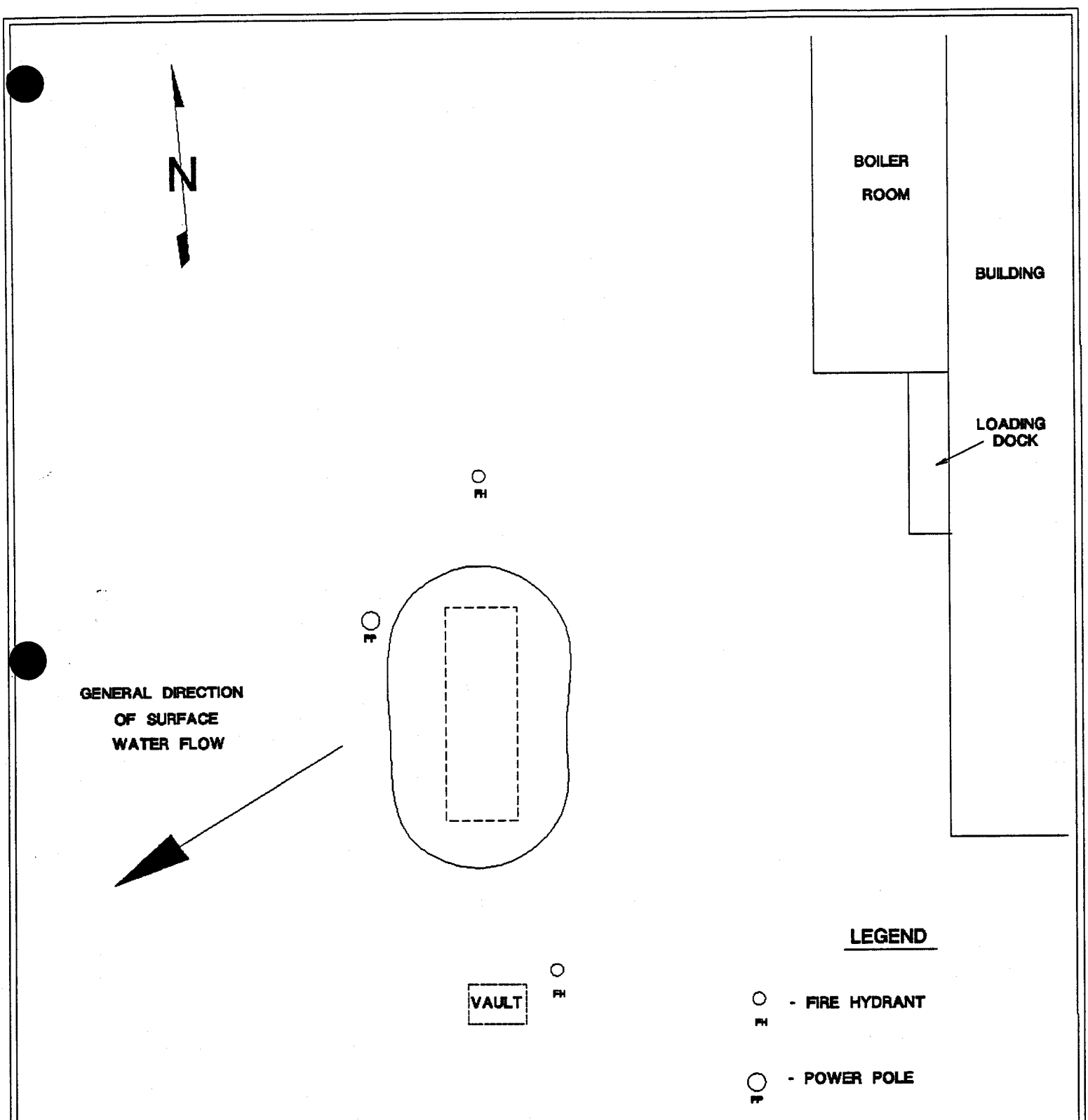


FIGURE 7 - DIRECTION OF SURFACE DRAINAGE

TRIAD ENVIRONMENTAL CONSULTANTS, INC.
659 CLEMMONS ROAD
CLEMMONS, NC 27012
TELEPHONE AND FAX
(910) 766-0610

DRAPER CORPORATION
5644 HORNADAY ROAD
GREENSBORO, N.C.

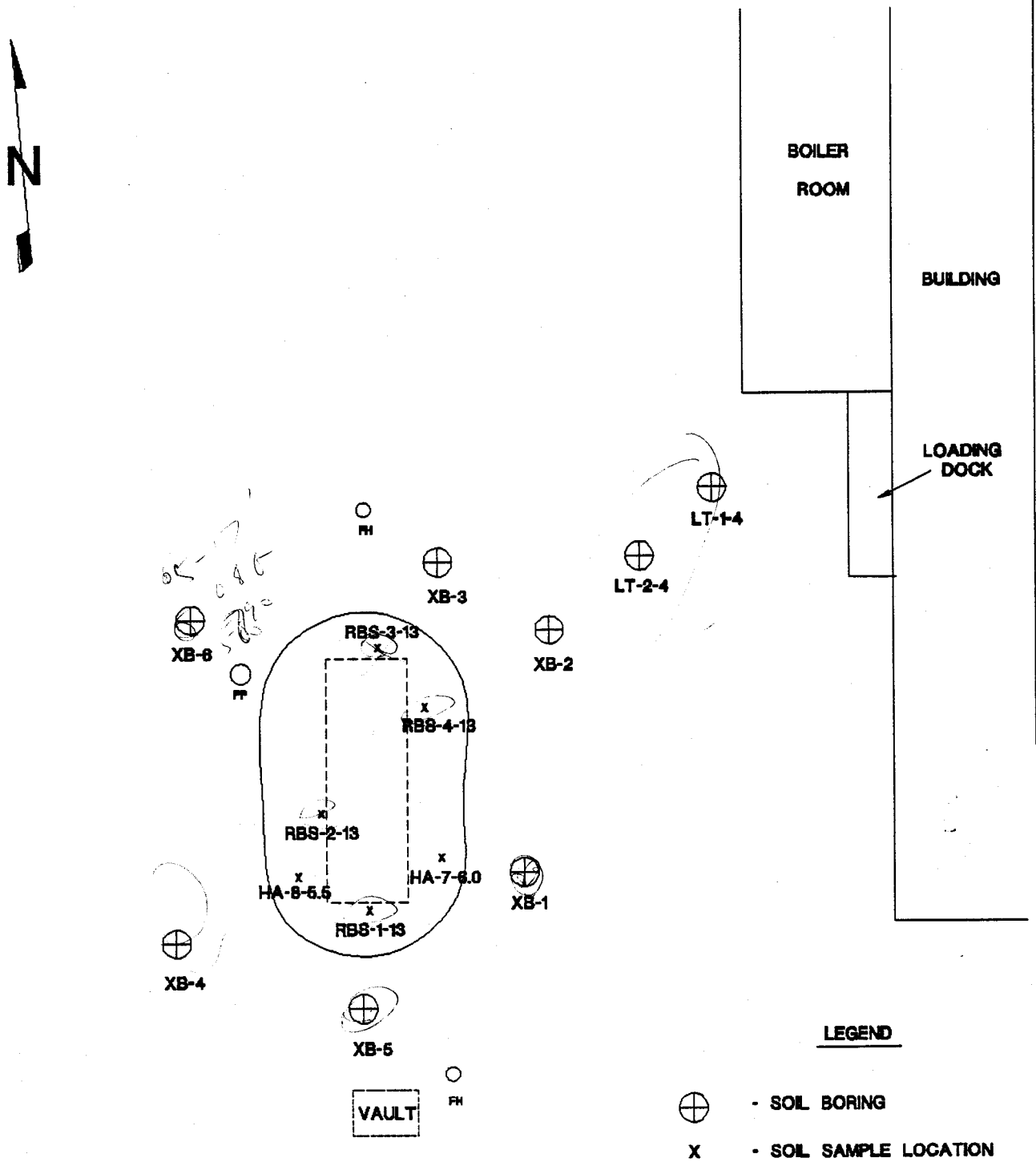


FIGURE 8 - SOIL BORING AND SOIL SAMPLE LOCATIONS

0 30 60 90

SCALE : 1" = 30'

TRIAD ENVIRONMENTAL CONSULTANTS, INC.
9616 CLEMMONS ROAD
CLEMMONS, NC 27012
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(919) 766-0610

DRAPER CORPORATION
5644 HORNADAY ROAD
GREENSBORO, N.C.

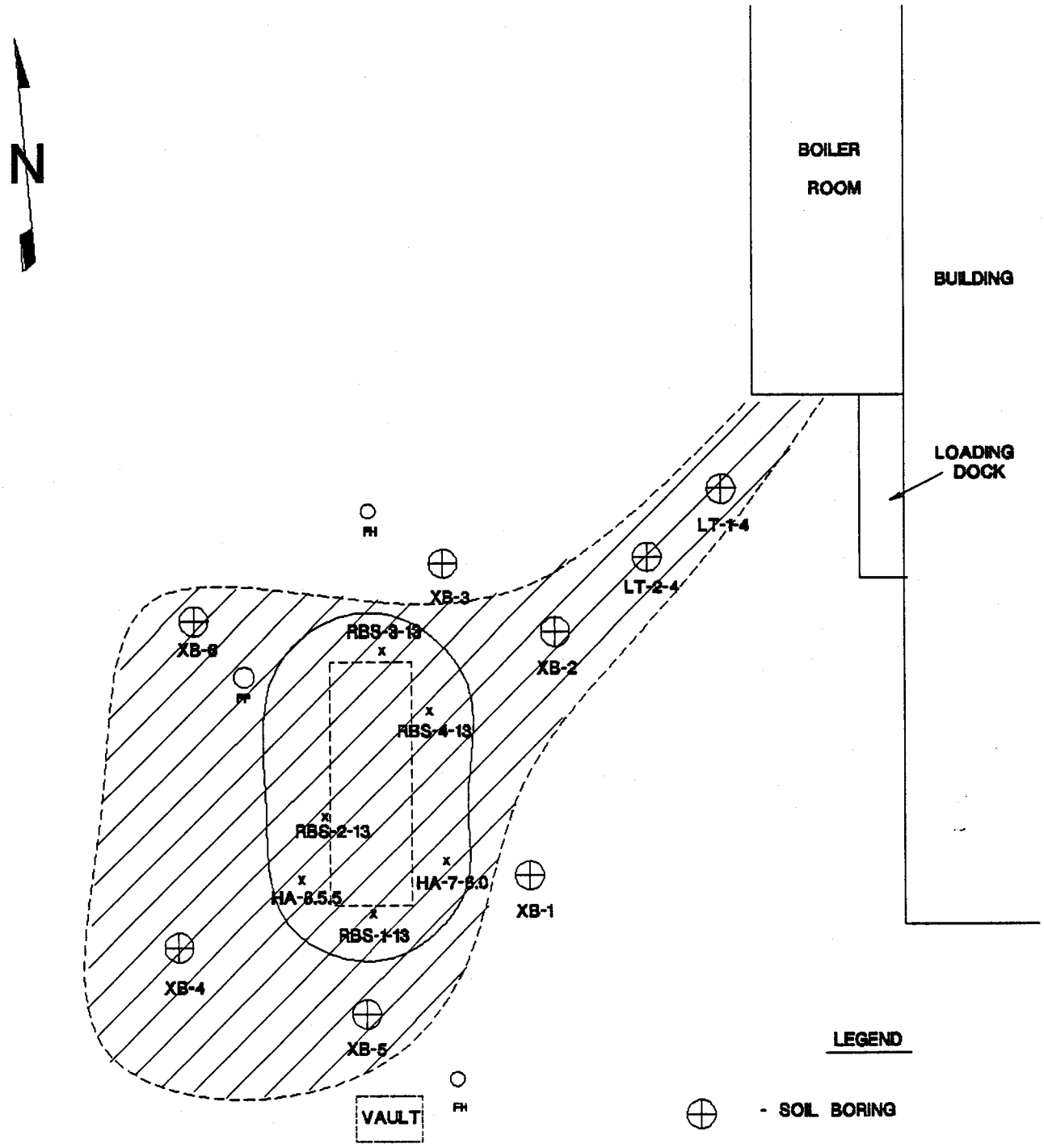


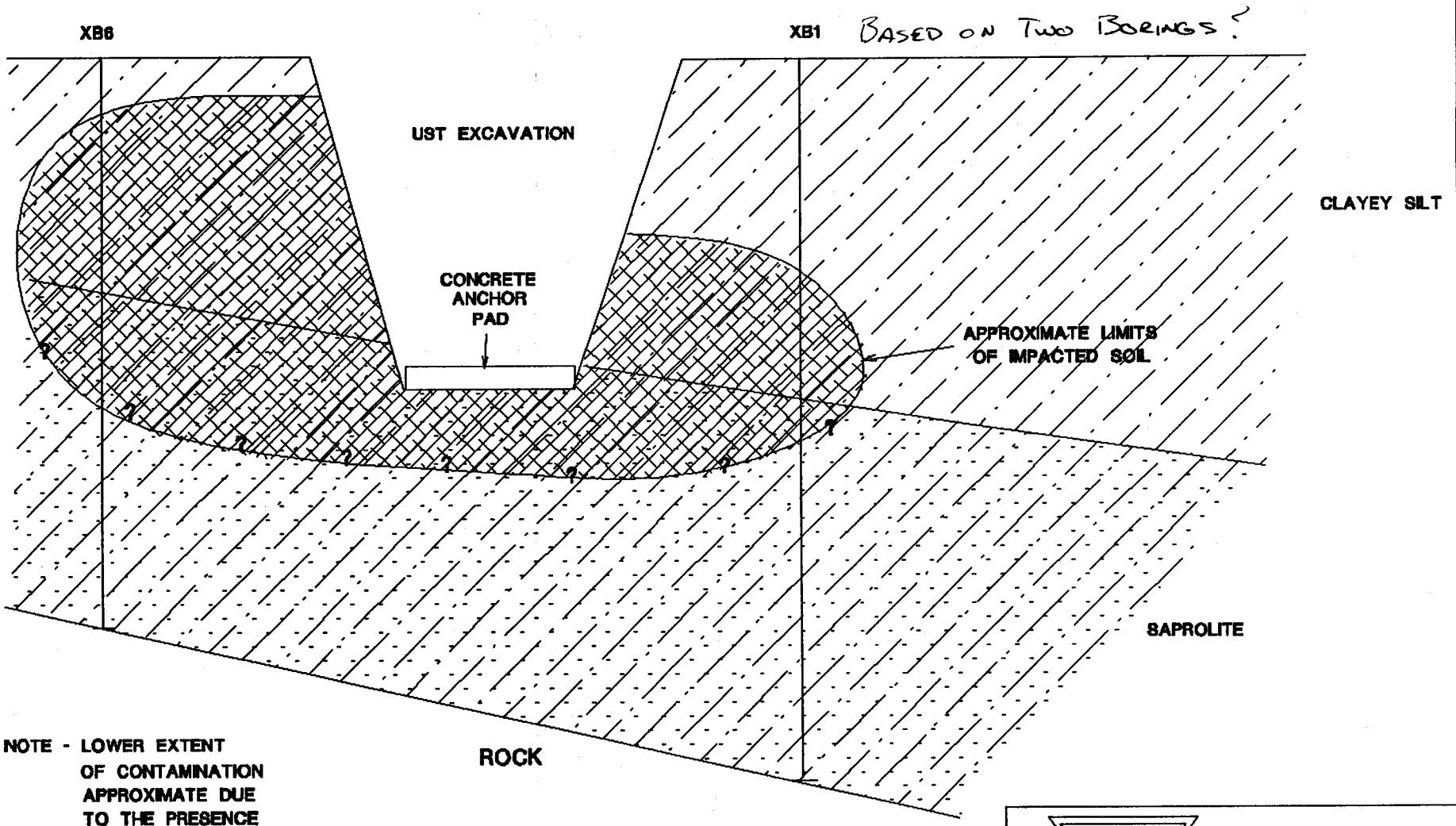
FIGURE 9 - APPROXIMATE HORIZONTAL EXTENT OF IMPACTED SOIL

0 30 60 90

SCALE : 1" = 30'

TRIAD ENVIRONMENTAL CONSULTANTS, INC.
6619 CLEMMONS ROAD
CLEMMONS, NC 27012
TELEPHONE AND FAX
(919) 766-0610

DRAPER CORPORATION
5644 HORNADAY ROAD
GREENSBORO, N.C.



NOTE - LOWER EXTENT OF CONTAMINATION APPROXIMATE DUE TO THE PRESENCE OF ROCK

NOTE - IMPACTED SOIL BOUNDARY IS DEFINED AT 250 PPM OIL AND GREASE

FIGURE 10 - CROSS SECTION A-A'

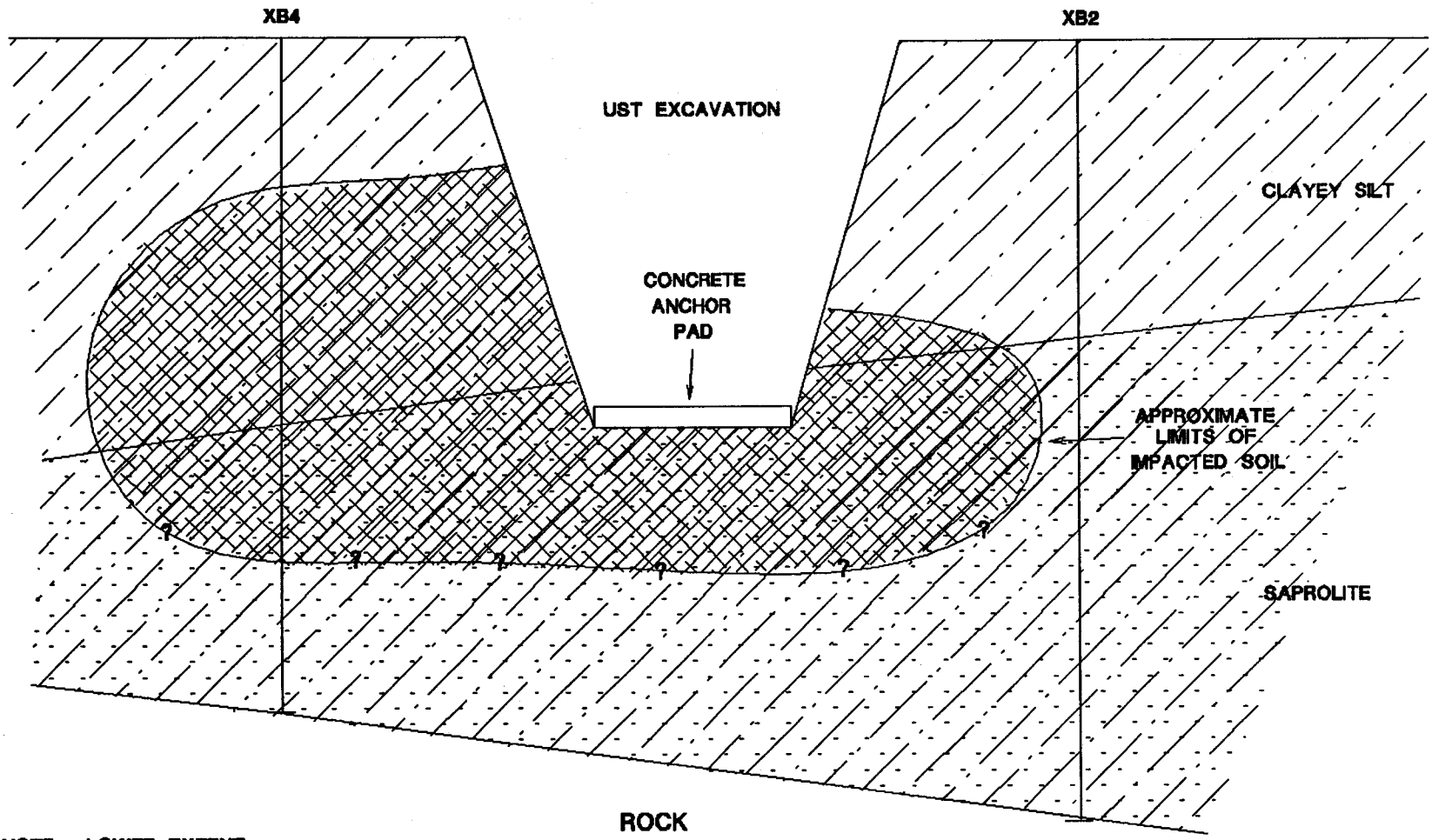
HORIZONTAL SCALE : 1" = 20'
VERTICAL SCALE : 1" = 5'

Triad Environmental Consultants and Associates
3519 Clemmons Road
Clemmons, N.C. 27012
Telephone & Fax
(919) 766-0810

DRAPER CORPORATION
5644 HORNADAY ROAD
GREENSBORO, NC

DATE 5-4-93

DRAWN BY: DMG



NOTE - LOWER EXTENT OF CONTAMINATION APPROXIMATE DUE TO THE PRESENCE OF ROCK

NOTE - IMPACTED SOIL BOUNDARY IS DEFINED AT 250 PPM OIL AND GREASE

FIGURE 11 - CROSS SECTION B-B'

HORIZONTAL SCALE : 1" = 20'
VERTICAL SCALE : 1" = 5'

Triad Environmental Consultants and Associates
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Clemmons, N.C. 27012
Telephone & Fax
(919) 766-0810

DRAPER CORPORATION
5644 DRAPER CORPORATION
GREENSBORO, N.C.

DATE 5-5-93 | DRAWN BY: DMG

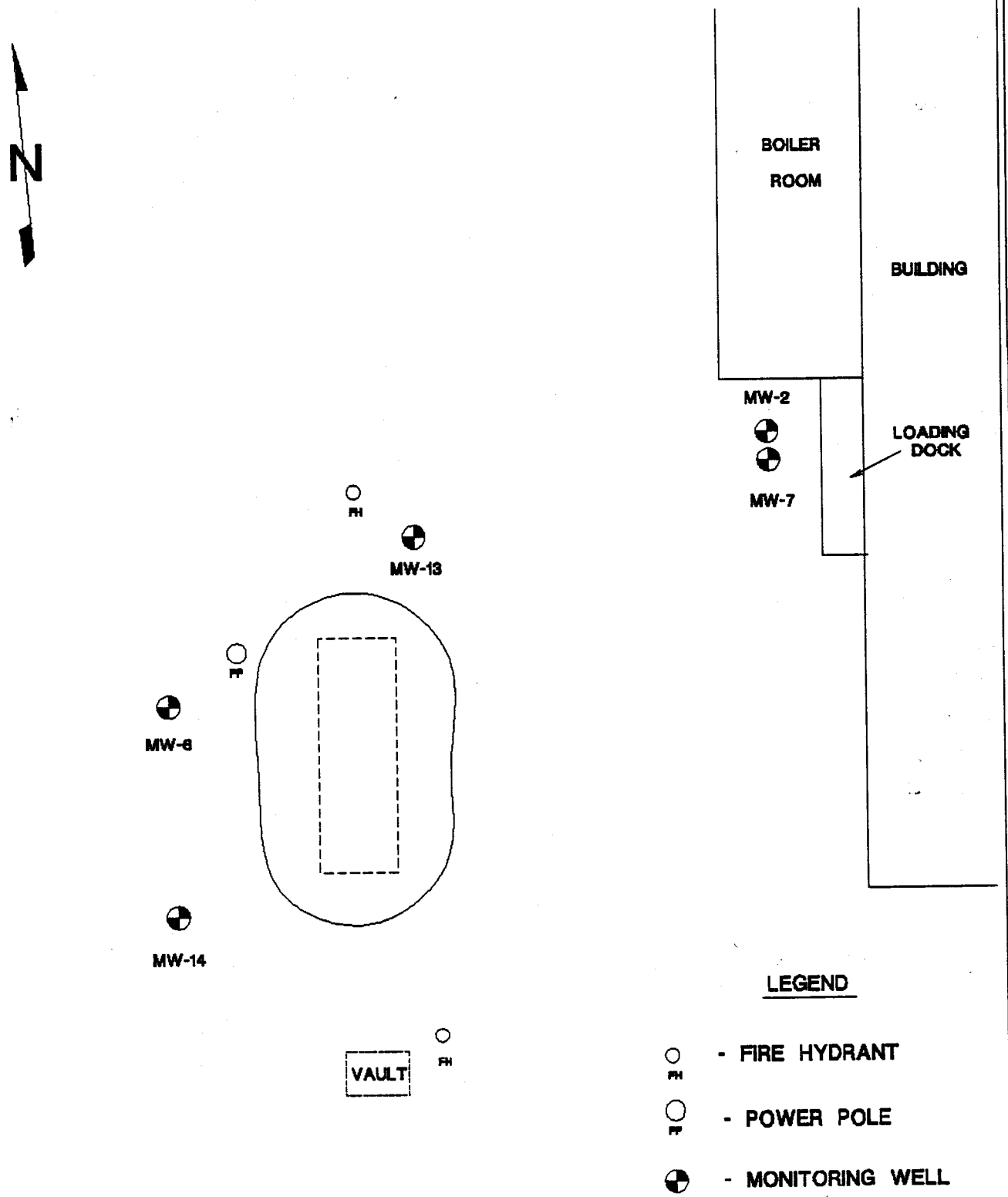

FIGURE 12 - LOCATIONS OF THE MONITORING WELLS

0 30 60 90

SCALE : 1" = 30'

THAD ENVIRONMENTAL CONSULTANTS, INC.
9618 CLEMMONS ROAD
CLEMMONS, NC 27012
TELEPHONE AND FAX
(919) 766-0810

DRAPER CORPORATION
5644 HORNADAY ROAD
GREENSBORO, N.C.

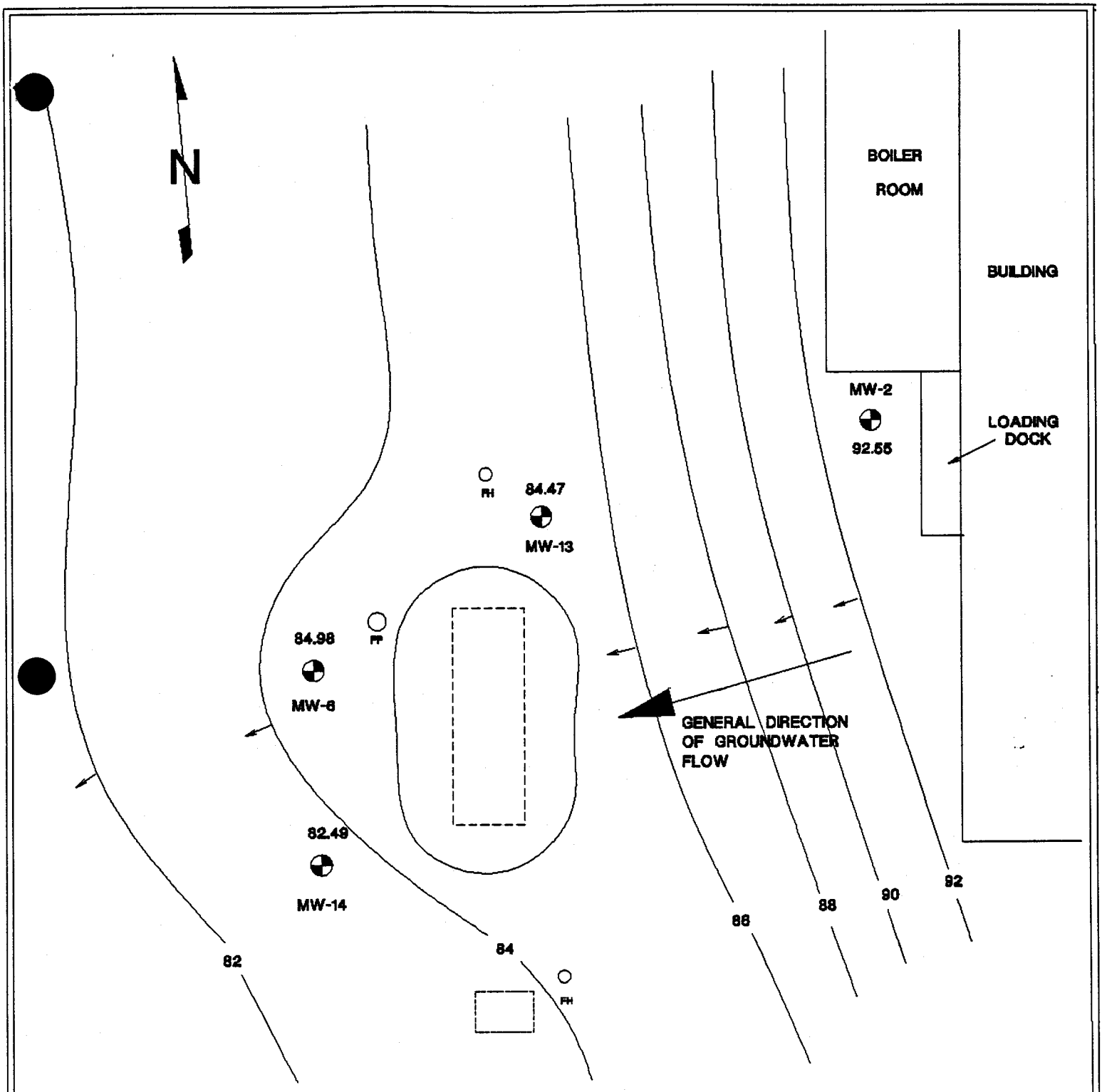

FIGURE 13 - GROUNDWATER TABLE CONTOUR MAP

0 30 60 90

SCALE : 1" = 30'

TRIAD ENVIRONMENTAL CONSULTANTS, INC.
5619 CLEMMONS ROAD
CLEMMONS, NC 27012
TELEPHONE AND FAX
(919) 766-0610

DRAPER CORPORATION
5644 HORNADAY ROAD
GREENSBORO, N.C.

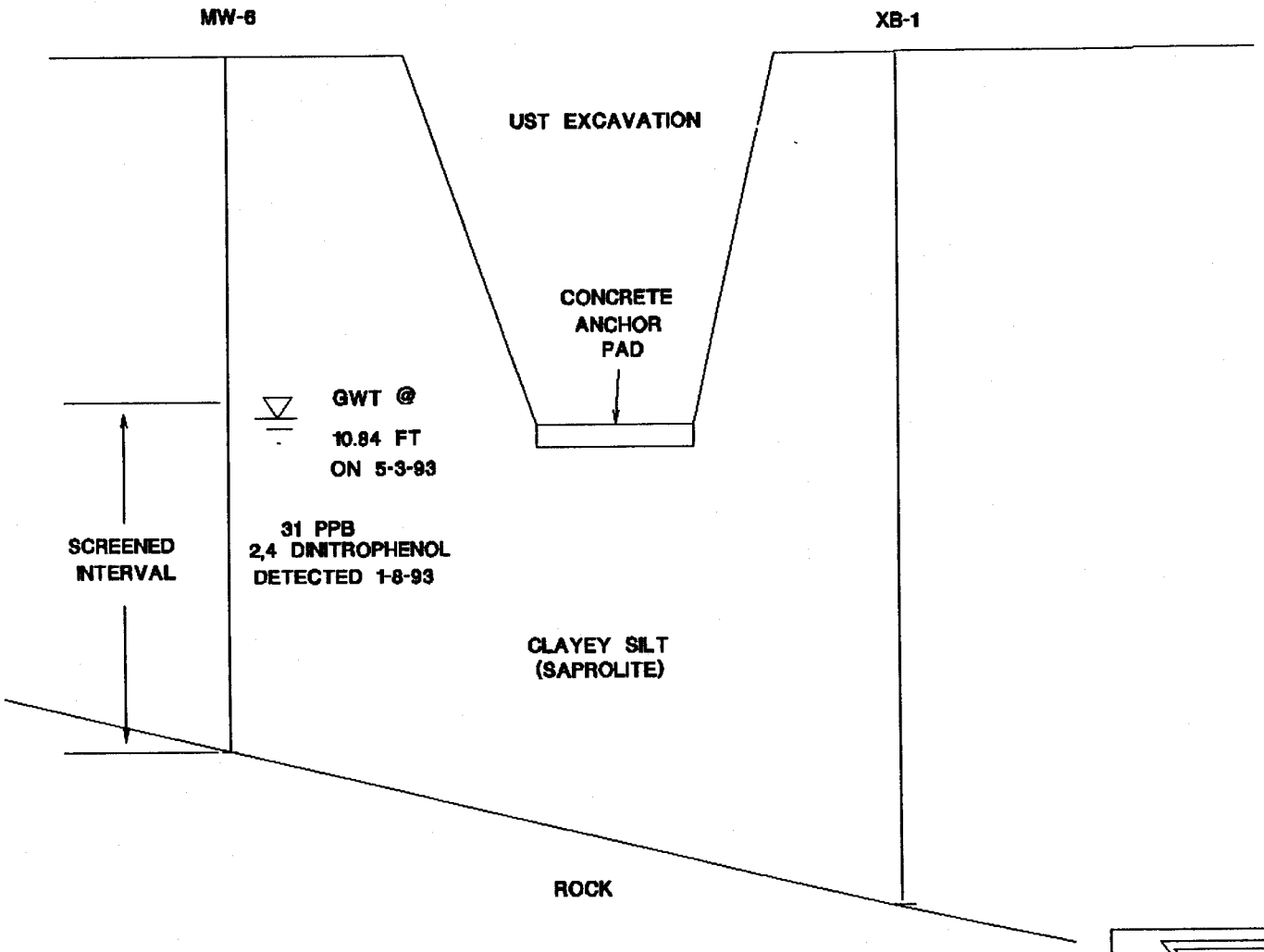

FIGURE 14 - AQUIFER CROSS SECTION C-C'

HORIZONTAL SCALE : 1" = 20'
VERTICAL SCALE : 1" = 5'

Triad Environmental Consultants and Associates
3519 Clemmons Road
Clemmons, N.C. 27012
Telephone & Fax
(919) 766-0810

DRAPER CORPORATION
5644 HORNADAY ROAD
GREENSBORO, N.C.

DATE 5-6-93

DRAWN BY: DMG

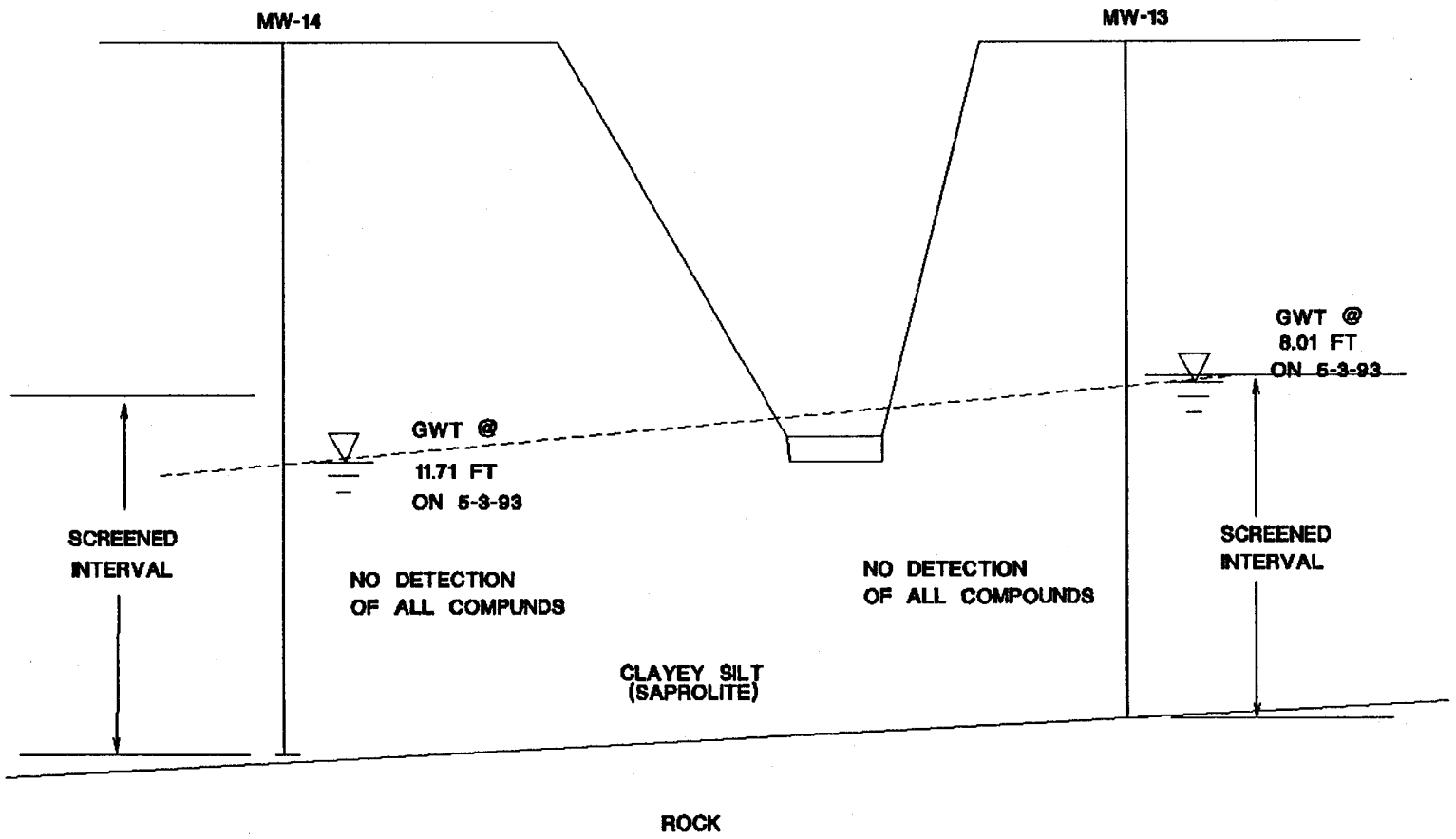

FIGURE 15 - AQUIFER CROSS SECTION D-D'

HORIZONTAL SCALE : 1" = 20'
VERTICAL SCALE : 1" = 5'

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3519 Clemmons Road
Clemmons, N.C. 27012
Telephone & Fax
(919) 766-0810

DRAPER CORPORATION
5644 HORNADAY ROAD
GREENSBORO, N.C.

DATE 5-6-93

DRAWN BY: DMG

6/11/92

Comprehensive Site Assessment (CSA) Report Guidelines

CSA Goal:

To sufficiently characterize the extent of soil and groundwater contamination such that a corrective action plan can be developed

Trigger mechanisms for CSA requirement:

- **substances exceeding the 15A NCAC 2L groundwater standards**
- **free product on the water table**
- **contaminated soil in contact with groundwater**
- **requested by Division of Environmental Management**

Minimum elements of CSA report:

1. **Table of Contents (please number all pages of text)**
2. **Site History and Source Characterization**
   - history of property ownership and usage (e.g. UST owners and operators, operating practices at site, list of chemicals used at the facility, etc.)
   - summary of previous release information or known contamination including dates, sources, contaminants and quantities
   - summary of previous environmental investigations
   - release scenario and/or means of contaminant discovery
   - summary of initial assessments
   - summary of corrective actions to date
   - site map shown on segment of 7 1/2-minute topographic map or county highway map
   - base map showing location of all known and potential contaminant sources, property lines, relevant physical features (e.g. buildings, roads, structures, on-site wastewater treatment plants, etc.), scale, north arrow
   - base or site map showing potential off-site contaminant sources

3. Potential Receptors and Migration Pathways

- map showing location of all water supply wells, surface water intakes for public water supply and property owners within 1500 feet of the contamination
- table showing name and address from tax records of property owners adjacent to contamination site
- subsurface utilities, structures and underground lines superimposed on base map
- discussion of proximity and availability of municipal water lines
- designation on base map of structures potentially at risk from free product and/or vapors
- direction of surface drainage superimposed on base map

4. Soils Investigation

- soil boring locations superimposed on base map.
- delineation on base map showing approximate horizontal extent of areas containing contaminants in the unsaturated zone at concentrations above the action level established for soil remediation
- minimum of two cross sections through the unsaturated zone preferably intersecting at right angles and extending across the site exhibiting the subsurface profile and the approximate vertical extent of the contamination as determined by the soil borings
- table listing field screening and laboratory results (Note: No composite samples), units of measure, date of sample collection, sample depth and sample identification referencing sample points shown on base map

5. Groundwater Investigation

- location of monitor and recovery wells superimposed on base map

- discussion of monitor well locations which includes pre-installation screening methods used, number of wells, and construction of wells in terms of the nature of the contaminants and the aquifer contaminated (i.e. floaters vs. sinkers, placement of the screened interval, contaminated groundwater in saprolite vs. bedrock, upgradient vs. downgradient wells, etc.)

  table showing static water level measurements referenced to a common datum for all monitor wells to include depth to static water level, relative elevations of points from which depth is measured, relative static water level, date of measurement, and reference to wells shown on base map

- water table contour map and flow lines superimposed on the base map which exhibit direction(s) of groundwater flow with static water level measurements used in the flow net construction printed next to the well locations

- table of analytical results of samples collected from water supply wells at risk of becoming contaminated or from the influent and effluent from point-of-entry filter systems including date(s) of sample collection, units of measure, and reference to supply well(s) shown on site or base map

- table of analytical results for all monitor wells including comparison to 15A NCAC 2L standards, date(s) collected, units of measure, and reference to monitor well shown on base map

- free product map superimposed on the base map showing the extent of free product, the thickness, and date measured

- isoconcentration map superimposed on the base map showing at a minimum the complete horizontal extent of the most widespread contaminant and the contaminant present at the most highly elevated levels (Note: Ring of wells with contaminant levels near or below the 2L groundwater standards must be installed and sampled to complete this map.)

- minimum of two aquifer cross sections intersecting at approximate right angles and extending across the contamination site exhibiting major hydrogeologic units (e.g. gravel, sand, fill, bedrock, etc.) as determined by the boring logs, a vertical and horizontal scale, static water level measurements, date measured, screened interval in monitor wells, and contaminant level at sampling points (Note: A minimum of one deeper well with contaminant levels near or below 2L groundwater standards must be installed and sampled to complete the cross sections.)

- discussion of plume characteristics and significant features or mechanisms which could affect local groundwater flow patterns and plume migration

6. Recommendations

- discussion of preliminary corrective action to be evaluated for the development of the corrective action plan

7. References

- interviews

- file reviews

- resource material cited

8. Appendices

- standard operating procedures used at site for sampling, equipment decontamination, well construction, etc.

- boring logs and soil descriptions

- well construction records

- chain-of-custody forms

- laboratory reports for all samples

- list of permits received, permitting agency, permit number and date issued

- other documentation (e.g. tank tightness results)

TRIAD ENVIRONMENTAL CONSULTANTS, INC.

STANDARD DECONTAMINATION AND
SAMPLE HANDLING PROCEDURES

EQUIPMENT DECONTAMINATION, SOIL SAMPLE COLLECTION AND FIELD EVALUATION PROCEDURES

The majority of the soil samples collected for this project were obtained using a subcontract auger drill rig. The drill rig was used to advance hollow-stem augers into the subsurface at each boring location. The augers and auger head were decontaminated by steam cleaning prior to and between each use. Soil samples were collected at approximately five (5) foot intervals by driving the splitspoon sampler into the undisturbed soil below the auger head (Standard Penetration Procedures). The splitspoon sampler was decontaminated prior to and between each use by steamcleaning.

Several soil samples for this project were collected using hand augers equipped with stainless steel buckets. The hand augers were advanced into the native soil at each sampling location. The hand augers (the auger bucket and a portion of the lower auger extension) were decontaminated prior to and between each use by the same procedure as described above: A soap and water wash, a tap water rinse, a deionized water rinse, a methanol alcohol rinse and a final rinse with deionized water.

Triad Environmental Consultants personnel wore new, disposable latex gloves during each transfer of soil from the splitspoon sampler or hand auger to the sample containers. Upon collection, each sample was divided into two (2) representative portions. The first split was tightly packed into a new, laboratory supplied, 120 milliliter glass jar and securely sealed with Teflon lined cap, labeled and stored in a chilled cooler. (See Sample Handling Procedures.) The other portion of the sample was placed in a ziplock bag to be used for soil description.

WATER SAMPLE COLLECTION PROCEDURE

Water samples were also collected from the groundwater monitoring wells installed during this project. Triad Environmental Consultants personnel wore new, disposable latex gloves during the entire water sample collection process. The procedure used to collect the sample was as follows: Using a decontaminated water level indicator, the level of each well was measured and recorded. The volume of water equal to three (3) times the volume of water standing the well casing was calculated. Using a new, individually wrapped Voss™ disposable bailer, three (3) well volumes were removed. The bailer was lowered into the borehole using new, braided twine. Purging of the well was done to collect a water sample as representative of the groundwater surrounding the well as possible. After three (3) well volumes were removed, water was transferred from the bailer to laboratory supplied glassware. Two (2) 1,000 amber Boston Round bottles of sample were collected from each well. The entire procedure was repeated until sample and duplicates were collected. The water samples were then labeled and stored in a chilled cooler (See Sample Handling Procedures).

SOIL AND WATER SAMPLE HANDLING PROCEDURES

To preserve any volatile organic compounds that may be present in soil and water samples, the samples are handled in the following manner: Immediately after collection, a label is affixed to each sample container. The sample identification number is then noted on the label along with the sampler's name, the time and date of sample collection and type of analysis requested. The samples are then stored in a chilled cooler with frozen reusable ice packs or slush ice for transport to the subcontract laboratory. If transport to laboratory is not immediate, the samples are stored under refrigeration at Triad Environmental Consultants' offices until shipment to the subcontract laboratory can be arranged. The samples are shipped to the laboratory in a chilled cooler to preserve sample integrity. A Chain of Custody record is kept to document sample handling from time of collection until delivery to the laboratory.

BORING LOG

PROJECT: DRAPER CORPORATION 5844 HORNADAY ROAD GREENSBORO, N.C.		DATE: 4-30-93	PAGE: 1 OF 1
		DRILLING CONTRACTOR: SHIELD ENVIRONMENTAL	
PROJECT No.: 049355	BORING No.: XB1	DRILLER: R. BOWMAN	
LOGGED BY: M. A. MCGILVARY	SAMPLING METHOD: SPLIT SPOON	DRILLING METHOD: HOLLOW-STEM AUGER	

SAMPLE No.	DEPTH (FEET)	LITHOLOGY	OVA READING	SAMPLE DESCRIPTION	COMMENTS
XB1/ 5-7	5			CLAYEY SILT, RED BROWN MOTTLED WITH YELLOW	
XB1/ 10-12	10			CLAYEY SILT, BROWN W/ YELLOW TINT, SOME WHITE SEAMS PRESENT. WET	
XB1/ 15-17	15			SAPROLITE, SANDY CLAYEY SILT, BROWN, HARD AND SOFT INTERVALS	
XB/ 20-22	20			SAPROLITE, DECOMPOSED TO TAN AND WHITE MOTTLED SILTY SAND W/ ROCK FRAGMENTS	
	25			AUGER REFUSAL @ 24.5 FT	

BORING LOG

PROJECT: DRAPER CORPORATION 5644 HORNADAY ROAD GREENSBORO, N.C.	DATE: 4-30-93	PAGE: 1 OF 1
	DRILLING CONTRACTOR: SHEILD ENVIRONMENTAL	
PROJECT No.: 049355	BORING No.: XB2	DRILLER: R. BOWMAN
LOGGED BY: M. A. MCGILVARY	SAMPLING METHOD: SPLIT SPOON	DRILLING METHOD: HOLLOW-STEM AUGER

SAMPLE No.	DEPTH (FEET)	LITHOLOGY	OVA READING	SAMPLE DESCRIPTION	COMMENTS
XB2/ 3-5				CLAYEY SILT, RED BROWN	
XB2/ 5-7	5			CLAYEY SILT, RED AND YELLOW HARD AND COMPACT	
XB2/ 10-12	10			SAPROLITE, WHITE, FRIABLE CRUMBLES INTO SANDY SILT MATERIAL HAS TEXTURE OF COARSE GRAIN GRANITIC ROCK	
XB2/ 15-17	15			SAPROLITE, FRIABLE, SAME AS INTERVAL 10-12 FT WITH ROCK FRAGMENTS	
XB2/ 20-22	20			SAPROLITE, GREEN GRAY, FINE GRAINED, LAMINATED	
	25			AUGER REFUSAL @ 23.5 FT	

BORING LOG

PROJECT: DRAPER CORPORATION 5644 HORNADAY ROAD GREENSBORO, N.C.		DATE: 4-30-93	PAGE: 1 OF 1
		DRILLING CONTRACTOR: SHEILD ENVIRONMENTAL	
PROJECT No.: 049355	BORING No.: XB3 (CONVERTED TO MW-13)	DRILLER: R. BOWMAN	
LOGGED BY: M. A. MCGILVARY	SAMPLING METHOD: SPLIT SPOON	DRILLING METHOD: HOLLOW-STEM AUGER	

SAMPLE No.	DEPTH (FEET)	LITHOLOGY	OVA READING	SAMPLE DESCRIPTION	COMMENTS
XB3/ 5-7	5			CLAYEY SILT, CHOCOLATE BROWN	
XB3/ 10-12	10			CLAYEY SILT, CHOCOLATE BROWN WITH SLIGHT ORANGE TINT	
XB3/ 15-17	15			NO SAMPLE	
	20			AUGER REFUSAL @ 18.5 FT	CONVERTED TO GROUNDWATER MONITORING WELL MW-13
	25				

BORING LOG

PROJECT: DRAPER CORPORATION 5644 HORNADAY ROAD GREENSBORO, N.C.		DATE: 4-30-93	PAGE: 1 OF 1
		DRILLING CONTRACTOR: SHIELD ENVIRONMENTAL	
PROJECT No.: 049355	BORING No.: XB4 (CONVERTED TO MW-14)	DRILLER: R. BOWMAN	
LOGGED BY: M. A. MCGILVARY	SAMPLING METHOD: SPLIT SPOON	DRILLING METHOD: HOLLOW-STEM AUGER	

SAMPLE No.	DEPTH (FEET)	LITHOLOGY	OVA READING	SAMPLE DESCRIPTION	COMMENTS
XB4/ 5-7	5			CLAYEY SILT, RED BROWN HARD AND COMPACT	
XB4/ 10-12	10			CLAYEY SILT, RED BROWN	
XB4/ 15-17	15			SAPROLITE, TAN, YELLOW AND WHITE, QUARTZITIC. ROCK FRAGMENTS IN CLAYEY SAND MATRIX	
XB4/ 20-22	20			SAPROLITE, CLAYEY SILT, DARK BROWN WITH SOME RED BROWN SURROUNDING GRANITIC ROCK FRAGMENTS	
	25			AUGER REFUSAL @ 21.0 FT	CONVERTED TO GROUNDWATER MONITORING WELL MW-14

BORING LOG

PROJECT: DRAPER CORPORATION 5644 HORNADAY ROAD GREENSBORO, N.C.		DATE: 4-30-93	PAGE: 1 OF 1
		DRILLING CONTRACTOR: SHEILD ENVIRONMENTAL	
PROJECT No.: 049355	BORING No.: XB5	DRILLER: R. BOWMAN	
LOGGED BY: M. A. MCGILVARY	SAMPLING METHOD: SPLIT SPOON	DRILLING METHOD: HOLLOW-STEM AUGER	

SAMPLE No.	DEPTH (FEET)	LITHOLOGY	OVA READING	SAMPLE DESCRIPTION	COMMENTS
XB5/ 5-7	5			CLAYEY SILT, RED BROWN, STIFF	
XB5/ 10-12	10			CLAYEY SILT, RED BROWN SURROUNDING ROCK FRAGMENTS	
XB5/ 15-17	15			SAPROLITE, BROWN AND YELLOW BROWN CLAYEY SILT WITH INTERVALS OF WHITE CLAYEY MATERIAL (WEATHERED FELDSPAR) SURROUNDING QUARTZ FRAGMENTS. ALSO BROWN, FINE GRAINED LAMINATED WEA. ROCK PRESENT	
XB5/ 20-22	20			SAPROLITE, CHOCOLATE BROWN, FINE GRAINED CLAYEY SILT LAMINATED WITH INTERVALS OF WHITE AND YELLOW TAN CLAY	
	25			AUGER REFUSAL @ 23.5 FT	

BORING LOG

PROJECT: DRAPER CORPORATION 5644 HORNADAY ROAD GREENSBORO, N.C.		DATE: 4-30-93	PAGE: 1 OF 1
		DRILLING CONTRACTOR: SHEILD ENVIRONMENTAL	
PROJECT No.: 049355	BORING No.: XB6	DRILLER: R. BOWMAN	
LOGGED BY: M. A. MCGILVARY	SAMPLING METHOD: SPLIT SPOON	DRILLING METHOD: HOLLOW-STEM AUGER	

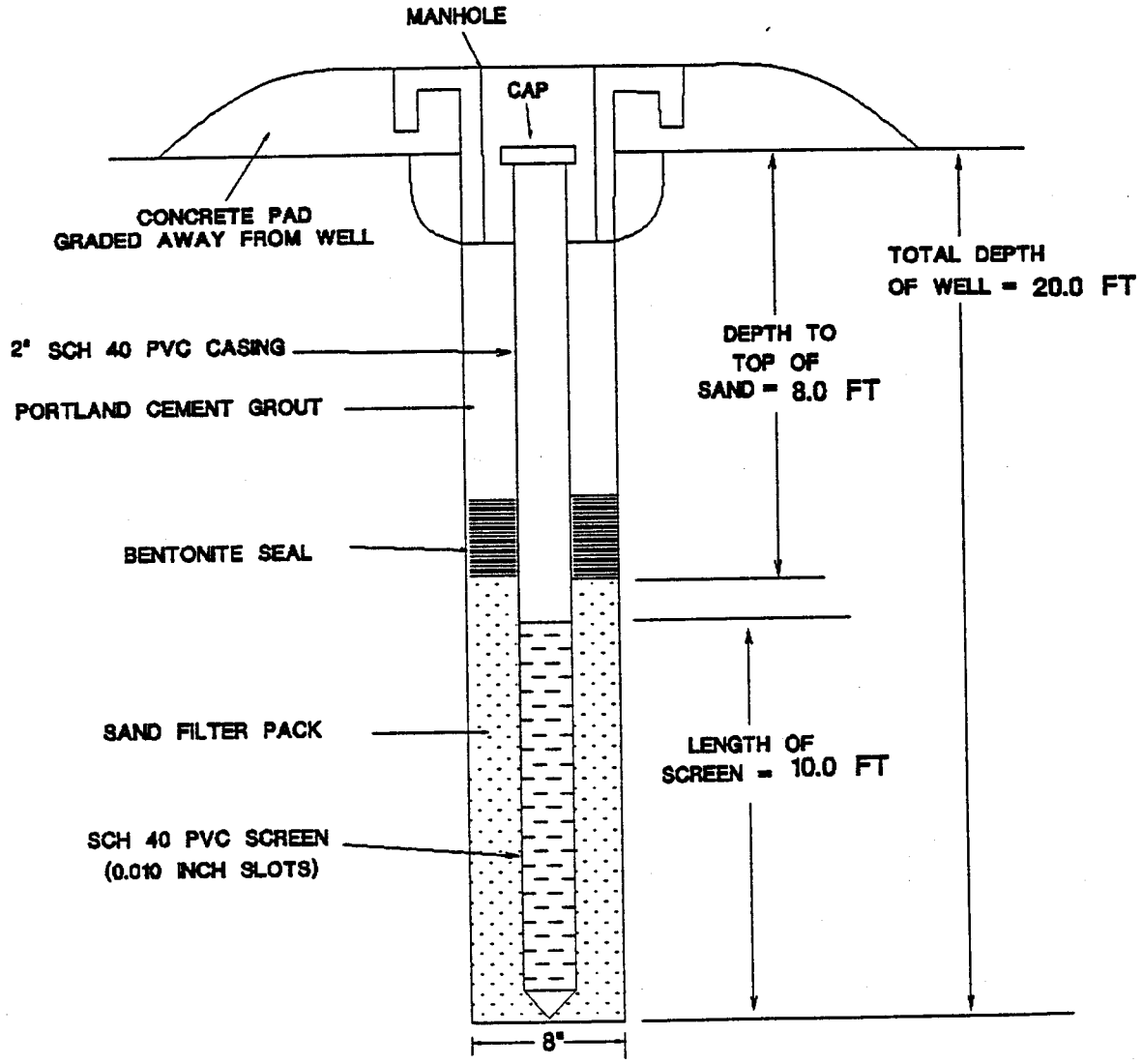
SAMPLE No.	DEPTH (FEET)	LITHOLOGY	OVA READING	SAMPLE DESCRIPTION	COMMENTS
XB6/ 5-7	5			CLAYEY SILT, YELLOW BROWN AND RED BROWN	
XB6/ 10-12	10			SAPROLITE, CLAYEY SILT, BROWNISH GREEN WITH SOME RED BROWN LAMINATED	
XB6/ 15-17	15			SAPROLITE, CLAYEY SILT, BROWNISH GREEN, LAMINATED	
	20			AUGER REFUSAL @ 18.0 FT	
	25				

JOB NAME DRAPER CORPORATION

WELL NUMBER MW-6

LOCATION GREENSBORO, NC

DATE OF INSTALLATION 1-7-93



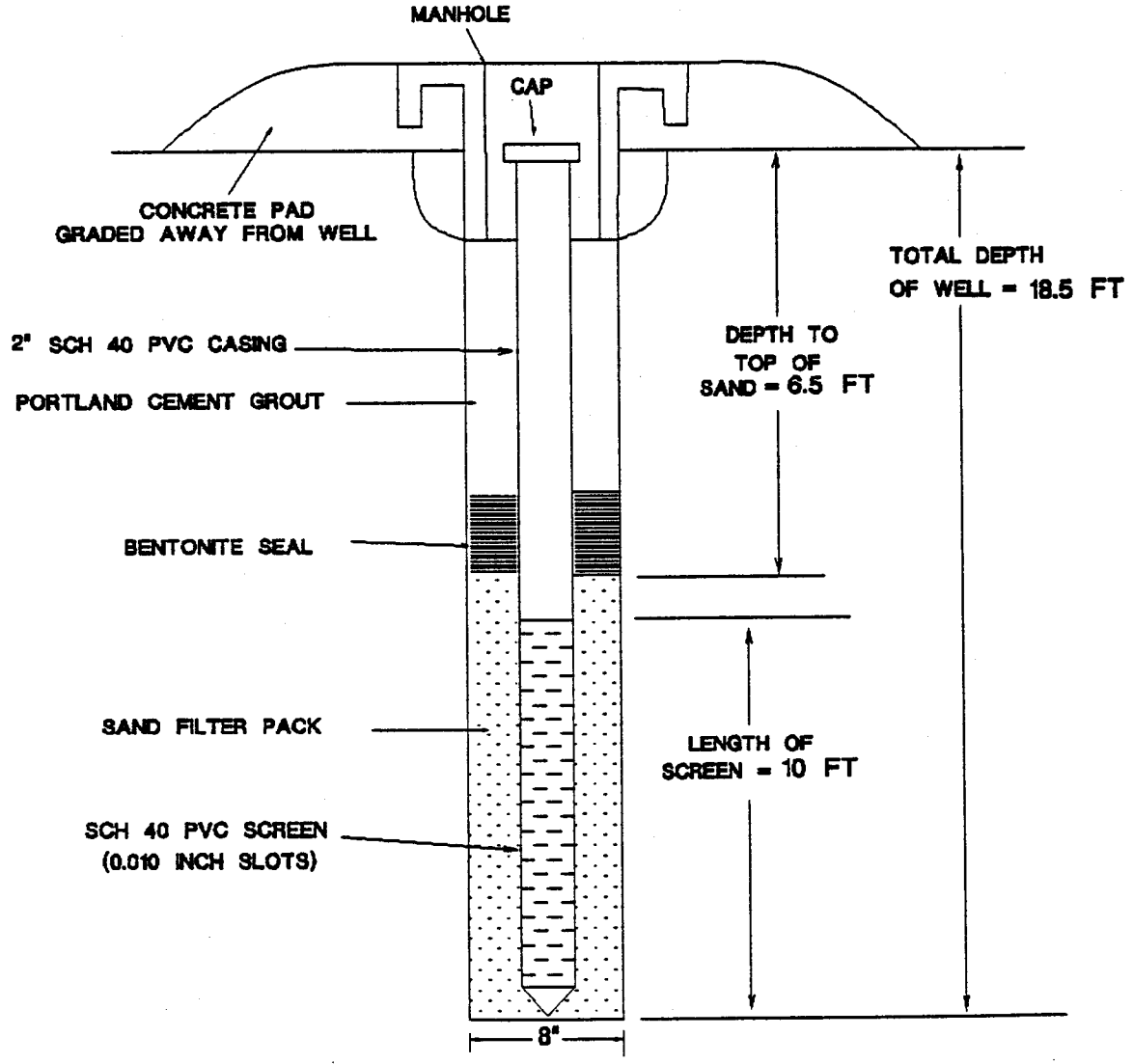
TYPE II MONITOR WELL	T RIAD E NVIRONMENTAL C ONSULTANTS, INC. AND ASSOCIATES 3518 CLEMMONS ROAD CLEMMONS, NC 27012 TELEPHONE AND FAX (919) 766-0810	MONITORING WELL INSTALLATION RECORD

JOB NAME DRAPER CORPORATION

WELL NUMBER MW-13

LOCATION GREENSBORO, NC

DATE OF INSTALLATION 4-29-93



TYPE II

MONITOR

T ROAD
E NVIRONMENTAL
C ONSULTANTS, INC.
AND ASSOCIATES

3519 CLEMMONS ROAD
CLEMMONS, NC 27012
TELEPHONE AND FAX
(919) 766-0810

MONITORING WELL

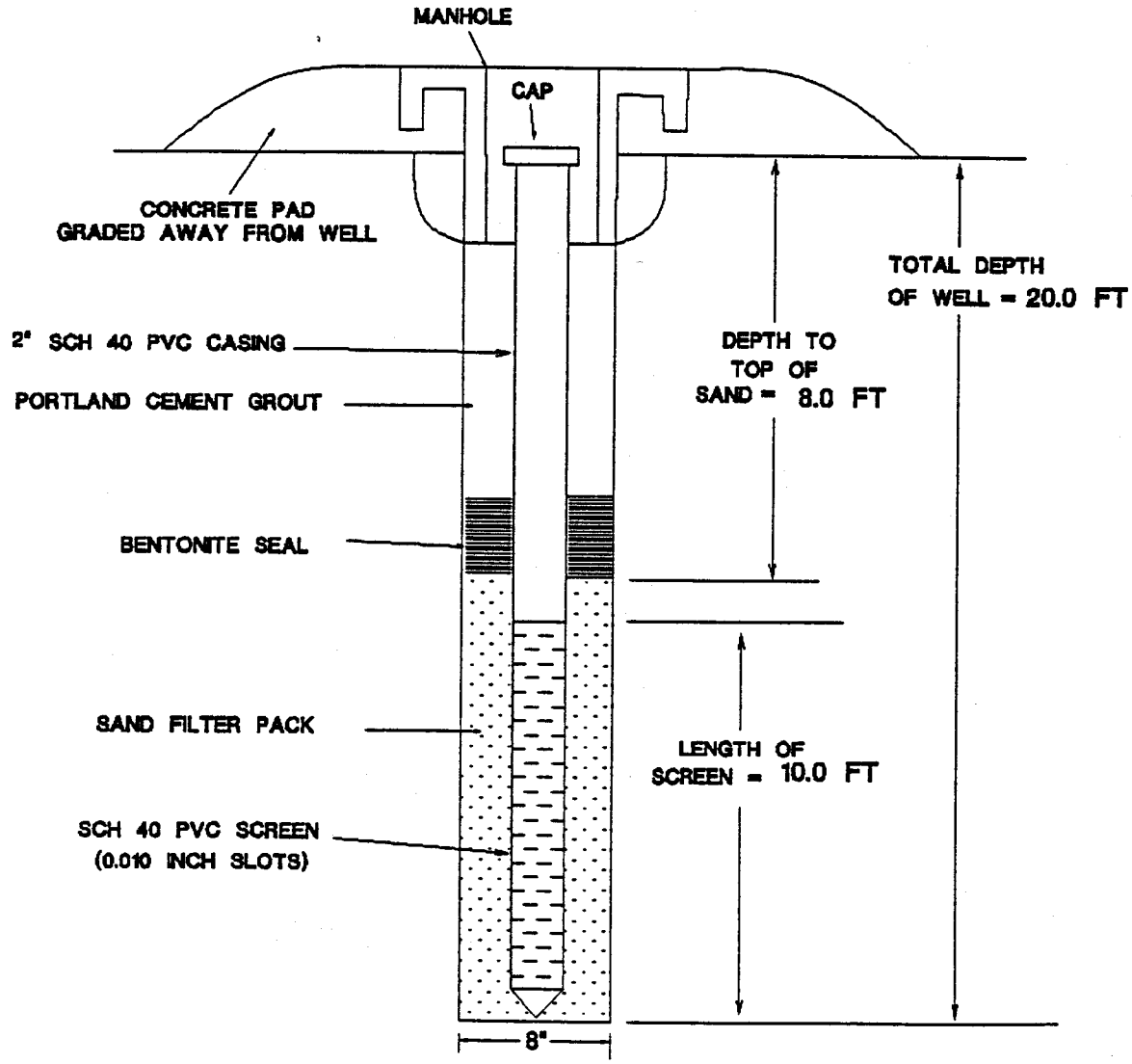
INSTALLATION RECORD

JOB NAME DRAPER CORPORATION

WELL NUMBER MW-14

LOCATION GREENSBORO, NC

DATE OF INSTALLATION 4-29-93



TYPE II
MONITOR
WELL

T ROAD
E NVIRONMENTAL
C ONSULTANTS, INC.
AND ASSOCIATES

3519 CLEMMONS ROAD
CLEMMONS, NC 27012
TELEPHONE AND FAX
(919) 766-0910

MONITORING WELL
INSTALLATION RECORD

CHAIN OF CUSTODY RECORDS
SOIL SAMPLES

DRAPER CORPORATION
5644 HORNADAY ROAD
GREENSBORO, NORTH CAROLINA

TRIAD ENVIRONMENTAL CONSULTANTS, INC. AND ASSOCIATES

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

Chain of Custody Record

PROJECT: Draper Corporation

SITE: Hornaday Road Greensboro, N.C.

COLLECTED BY (Signature): Dan M. Groome

FIELD SAMPLE I.D.	SAMPLE MATRIX	DATE/TIME	NO. OF CONTAINERS	EPA 4031	Oil & Grease	TPH EPA 3550	EPA METHOD 601						REMARKS	SAM ID NO. (for lab use only)
RBS-1-13	soil	12-18-92/1035	1	✓	✓									13812
RBS-2-13	Soil	12-18-92/1040	1	✓	✓									13813
RBS-3-13	Soil	12-18-92/1045	1	✓	✓									13814
RBS-4-13	soil	12-18-92/1048	1	✓	✓									13815
MW-2	water	12-18-92/1300	2			✓								13816

REMARKS: RUSH Results

RELINQUISHED BY:	DATE	TIME
Dan M. Groome	12-18-92	1600 hrs

RECEIVED BY:	DATE	TIME	RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME	RELINQUISHED BY:	DATE	TIME
Kathryn J. Lowe	12/18/92	1600 hrs	Kathryn J. Lowe	12/21/92	0810 hrs	Jim Milligan	12/21/92	910	Jim Milligan	12/21/92	1000

LAB USE ONLY

RECEIVED FOR LABORATORY BY:	DATE	TIME	AIRBILL NO.	OPENED BY:	DATE	TIME	TEMP°C	SEAL #	CONDITION
Wendy A. Scott	12/21	10:00		Wendy Scott	12/21	10:00			Good

REMARKS:

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

Chain of Custody Record

PROJECT: Draper Corporation # 04 9355A
SITE: 5644 Hercaday Rd. Greensboro, N.C.
COLLECTED BY (Signature): Don M. Groome

FIELD SAMPLE I.D.	SAMPLE MATRIX	DATE/TIME	NO. OF CONTAINERS	O.I & Grease EPA 9071	TPH - DR EPA 3550							REMARKS	SAM ID NO. (for lab use only)
HA-2-8.0	Soil	4-28-93/1530	1	✓	✓							ND	15237
HA-8-5.5	Soil	4-28-93/1545	1	✓	✓							ND	15238

ANALYSES

REMARKS

RELINQUISHED BY:	DATE	TIME
Don M. Groome	4/29/93	1100

RECEIVED BY:	DATE	TIME	RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME	RELINQUISHED BY:	DATE	TIME
Jim Milligan	4/29/93	1100	Jim Milligan	4/30/93	0800						

LAB USE ONLY

RECEIVED FOR LABORATORY BY:	DATE	TIME	AIRBILL NO.	OPENED BY:	DATE	TIME	TEMP°C	SEAL #	CONDITION
[illegible]	5/1	8:10							Good

REMARKS:

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

Chain of Custody Record

PROJECT: Draper Corporation #049355B

SITE: Draper Facility, 5644 Hornaday Rd., Greensboro, NC

COLLECTED BY (Signature): M. Alex McIlhenny

FIELD SAMPLE I.D.	SAMPLE MATRIX	DATE/TIME	NO. OF CONTAINERS	EPA Method 9071 Oil and Grease								REMARKS	SAM ID NO. (for lab use only)
XB1/10-12	SOIL	4-29-93/0950 hr	1	X									15239
XB1/15-17	↓	4-29-93/1000 hr	1	X									15240
XB2/10-12	↓	4-29-93/1110 hr	1	X									15241
XB2/15-17	↓	4-29-93/1120 hr	1	X									15242
XB3/5-7	↓	4-29-93/1315 hr	1	X									15243
XB3/10-12	↓	4-29-93/1340 hr	1	X									15244

REMARKS: Possible contaminant No 4 Fuel Oil

RELINQUISHED BY:	DATE	TIME
M. Alex McIlhenny	4/29/93	1500

RECEIVED BY:	DATE	TIME	RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME	RELINQUISHED BY:	DATE	TIME
[signature]	4/29/93	1500	W. S. [signature]	4/29/93	3:50	Jim Milligan	4/29/93	350pm	Jim Milligan	4/30/93	800

LAB USE ONLY

RECEIVED FOR LABORATORY BY:	DATE	TIME	AIRBILL NO.	OPENED BY:	DATE	TIME	TEMP°C	SEAL #	CONDITION
[signature]	4/30/93	8:10							

REMARKS:

Chain of Custody Record

TRIAD ENVIRONMENTAL CONSULTANTS, INC. AND ASSOCIATES

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

PROJECT: Draper — J.b # 049355D

SITE: Draper Facility, 5644 Hornaday Rd, Greensboro, NC

COLLECTED BY (Signature): M. Alex McGilvary

FIELD SAMPLE I.D.	SAMPLE MATRIX	DATE/TIME	NO. OF CONTAINERS	ANALYSES: EPA Method 907.1 Oil and Grease	REMARKS	SAM ID NO. (for lab use only)
XB4/10-12	Soil	4.29.93/1555 hrs	1	X		15265
XB5/15-17		4.30.93/0910 hrs	1	X		15266
XB5/20-22		4.30.93/0920 hrs	1	X		15267
XB6/5-7		4.30.93/0935 hrs	1	X		15268
XB6/10-12		4.30.93/0950 hrs	1	X		15269
XB6/15-17		4.30.93/1005 hrs	1	X		15270
~~SB~~LT-1-4		4.30.93/1100 hrs	1	X		15271
LT-2-4		4.30.93/1150 hrs	1	X		15272

REMARKS: Possible contaminant No 4 Fuel Oil
Samples packed in ice

RELINQUISHED BY:	DATE	TIME
M. Alex McGilvary	4/30/93	1405 hrs
	DATE	TIME

RECEIVED BY:	DATE	TIME	RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Kathryn J. Lee	4/30/93	1405 hrs	Kathryn J. Lee	4/30/93	1505 hrs	Jana Nelligan Jr.	4/30/93	1507 hrs

LAB USE ONLY

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

REMARKS:

CHAIN OF CUSTODY RECORDS
MONITORING WELLS MW-6, MW-13 AND MW-14

DRAPER CORPORATION
5644 HORNADAY ROAD
GREENSBORO, NORTH CAROLINA

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

Chain of Custody Record

PROJECT: Draper Corporation

SITE: Hornaday Road Greensboro N.C.

COLLECTED BY (Signature): Don M. Groome

FIELD SAMPLE I.D.	SAMPLE MATRIX	DATE/TIME	NO. OF CONTAINERS	ANALYSES: EPA 625 only B/N/A								REMARKS	SAM ID NO. (for lab use only)
MW-6	Water	1-8-93/0950	4	T									13996

REMARKS: Detection limit of 2.5 ppb if possible

RELINQUISHED BY:	DATE	TIME
Don M. Groome	1-8-93	1430

RECEIVED BY:	DATE	TIME	RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME	RELINQUISHED BY:	DATE	TIME
James Kellya	1-8-93	1430	James Kellya J.	1-8-93	3:45pm	Deidy Scott	1/8/93	3:45			

LAB USE ONLY

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

REMARKS:

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

Chain of Custody Record

PROJECT: Draper Corporation

SITE: Hornaday Rd. - Greensboro, NC.

COLLECTED BY (Signature): Don M. Greene

JOB #: 019329

FIELD SAMPLE I.D.	SAMPLE MATRIX	DATE/TIME	NO. OF CONTAINERS	EPA 624	EPA 625 A/B/N							REMARKS	SAM ID NO. (for lab use only)
MW-4	WATER	1-29-93/1230	3	✓									14252
MW-6	↓	1-29-93/1450	8	✓	✓								14253
MW-8	↓	1-29-93/1550	3	✓									14254
MW-9	↓	1-31-93/1330	3	✓									14255
MW-10	↓	1-31-93/1400	3	✓									14256
S-1		1-29-93/1240	3	✓									14257

REMARKS: RUSH ASAP Results

RECEIVED BY:	DATE	TIME	RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
James Kelly Jr.	2-1-93	9:55	James Kelly Jr.	2-1-93	11:15	Heidy Scott	2/1/93	11:15A

RELINQUISHED BY:	DATE	TIME
Don M. Greene	2-1-93	9:55
RELINQUISHED BY:	DATE	TIME

LAB USE ONLY

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

REMARKS:

Chain of Custody Record

LAD ENVIRONMENTAL CONSULTANTS, INC. AND ASSOCIATES

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

Page ____ of ____

PROJECT: DRAPER #049355C

SITE: HORNADAY ROAD, G.S.O.

COLLECTED BY (Signature): W. S. Johnson

RUSH!!!
RESULTS DUE BY
MON-TUE (5-3-93)
(5-4-93)
PER ROBBIE

FIELD SAMPLE I.D.	SAMPLE MATRIX	DATE/TIME	NO. OF CONTAINERS	ANALYSES: EPA 625	REMARKS	SAM ID NO. (for lab use only)
mw-13	WATER	4/29/93 5:50 PM	2	✓	W/10 HIGHEST PEAKS	15257
mw-6	"	4/29/93 6:15 PM	2	✓		15258
mw-14	"	4/29/93 7:16 PM	2	✓		15259

REMARKS:

RELINQUISHED BY: W. S. Johnson — DATE 4/30/93 — TIME 8:00 AM

RECEIVED BY	DATE	TIME	RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME	RELINQUISHED BY:	DATE	TIME
Kathleen Johnson	4/30/93	0800 hrs	Kathleen Johnson	4/30/93	0905 hrs	James Nichols Jr.	4/1/93	0901 hrs			

LAB USE ONLY

RECEIVED FOR LABORATORY BY:	DATE	TIME	AIRBILL NO.	OPENED BY:	DATE	TIME	TEMP °C	SEAL #	CONDITION
Kelly A. Scott	5/3	10:35							

REMARKS:

RESULTS OF LABORATORY ANALYSES
SOIL SAMPLES

DRAPER CORPORATION
5644 HORNADAY ROAD
GREENSBORO, NORTH CAROLINA

Report

PRISM LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

December 29, 1992

RECEIVED 12/30/92

Draper RBS-1-13, RBS-2-13, RBS-3-13, RBS-4-13, MW-2

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

Dear Mr. Johnson:

Below are results of analysis of 5 samples received for examination on December 21, 1992:

Customer Code: TRIAD Phone Number: (919)766-0810 (fax) 766-0810
LAB I.D. AA13812 Prism ID Number 1809A5 Prism Customer Number 6671
Collection Date: 12/18/92 Collection Time: 10:35
Submittal Date: 12/21/92 Submittal Time: 11:05
Customer Sample I.D#: RBS-1-13

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
PETROLEUM HYDROCARBONS, #9071	mg/kg	1112.	10.
PETROLEUM HYDROCARBONS, #3550	mg/kg	1151.	10.
EPA METHOD 3550, GC FID		done	

Comments:
Project Name: Hornaday

Customer Code: TRIAD Phone Number: (919)766-0810 (fax) 766-0810
LAB I.D. AA13813 Prism ID Number 1809A5 Prism Customer Number 6671
Collection Date: 12/18/92 Collection Time: 10:40
Submittal Date: 12/21/92 Submittal Time: 11:05
Customer Sample I.D#: RBS-2-13

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
PETROLEUM HYDROCARBONS, #9071	mg/kg	1994.	10.
PETROLEUM HYDROCARBONS, #3550	mg/kg	1056.	10.
EPA METHOD 3550, GC FID		done	

Comments:
Project Name: Hornaday

PRISM LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

Customer Code: TRIAD Phone Number: (919)766-0810 (fax) 766-0810
LAB I.D. AA13814 Prism ID Number 1809A5 Prism Customer Number 6671
Collection Date: 12/18/92 Collection Time: 10:45
Submittal Date: 12/21/92 Submittal Time: 11:05
Customer Sample I.D#: RBS-3-13

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
PETROLEUM HYDROCARBONS, #9071	mg/kg	110.	10.
PETROLEUM HYDROCARBONS, #3550	mg/kg	< 10.	10.
EPA METHOD 3550, GC FID		done	

Comments:
Project Name: Hornaday

Customer Code: TRIAD Phone Number: (919)766-0810 (fax) 766-0810
LAB I.D. AA13815 Prism ID Number 1809A5 Prism Customer Number 6671
Collection Date: 12/18/92 Collection Time: 10:48
Submittal Date: 12/21/92 Submittal Time: 11:05
Customer Sample I.D#: RBS-4-13

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
PETROLEUM HYDROCARBONS, #9071	mg/kg	132.	10.
PETROLEUM HYDROCARBONS, #3550	mg/kg	100.	10.
EPA METHOD 3550, GC FID		done	

Comments:
Project Name: Hornaday

Customer Code: TRIAD Phone Number: (919)766-0810 (fax) 766-0810
LAB I.D. AA13816 Prism ID Number 1809A5 Prism Customer Number 6671
Collection Date: 12/18/92 Collection Time: 13:00
Submittal Date: 12/21/92 Submittal Time: 11:05
Customer Sample I.D#: MW-2

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
Multicomponent analysis: HALOGENATED VOLATILE ORGANICS			
VINYL CHLORIDE	ug/L	Not Det	50
TRICHLOROFLUORO-METHANE	ug/L	Not Det	5
1,1-DICHLOROETHENE	ug/L	Not Det	1

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

HALOGENATED VOLATILE ORGANICS (continued):			
METHYLENE CHLORIDE	ug/L	5	5
TRANS-1,2-DICHLOROETHENE	ug/L	Not Det	1
1,1-DICHLOROETHANE	ug/L	Not Det	1
CHLOROFORM	ug/L	Not Det	1
1,1,1-TRICHLOROETHANE	ug/L	Not Det	1
CARBON TETRACHLORIDE	ug/L	Not Det	1
1,2-DICHLOROETHANE	ug/L	Not Det	1
TRICHLOROETHENE	ug/L	Not Det	1
1,2-DICHLOROPROPANE	ug/L	Not Det	1
BROMODICHLOROMETHANE	ug/L	Not Det	1
2-CHLOROETHYLVINYL ETHER	ug/L	Not Det	1
TRANS-1,3-DICHLOROPROPENE	ug/L	Not Det	1
CIS-1,3-DICHLOROPROPENE	ug/L	Not Det	1
1,1,2-TRICHLOROETHANE	ug/L	Not Det	1
TETRACHLOROETHENE	ug/L	49	1
DIBROMOCHLOROMETHANE	ug/L	Not Det	1
EDB	ug/L	Not Det	1
CHLOROBENZENE	ug/L	Not Det	1
BROMOFORM	ug/L	Not Det	1
1,1,2,2-TETRACHLOROETHANE	ug/L	Not Det	1
1,3-DICHLOROBENZENE	ug/L	Not Det	1
1,4-DICHLOROBENZENE	ug/L	Not Det	1
1,2-DICHLOROBENZENE	ug/L	Not Det	1
EPA METHOD 5030, GC FID		done	

Comments:
Project Name: Hornaday

Please advise should you have questions concerning these data.

Respectfully submitted,

Angela D. Overcash
Laboratory Manager

Report

May 3, 1993

PRISM LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

Triad Environmental
Attn: Mr. Steve Johnson
3519 Clemmons Road
Clemmons, NC 27012
Ref: Draper #049355A

Dear Mr. Johnson:

Below are results of analysis of 2 samples received for examination on April 30, 1993:

Customer Code: TRIAD Phone Number: (919)766-0810 (fax) 766-0810
LAB I.D. AA15237 Prism ID Number 2283A224 Prism Customer Number 6671
Collection Date: 04/28/93 Collection Time: 15:30
Submittal Date: 04/30/93 Submittal Time: 08:00
Customer Sample I.D#: HA-7-8.0

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
		done	
CALCULATIONS BASED ON DRY WEIGHT		done	
TPH - WASTE OIL RANGE	mg/kg	60.	10.
PREP. METHOD 3550		done	
TPH - DIESEL RANGE	mg/kg	< 10	10

Comments:
Project Name: Draper Corporation
Project Number: 049355A
** RUSH **

Customer Code: TRIAD Phone Number: (919)766-0810 (fax) 766-0810
LAB I.D. AA15238 Prism ID Number 2283A224 Prism Customer Number 6671
Collection Date: 04/28/93 Collection Time: 15:45
Submittal Date: 04/30/93 Submittal Time: 08:00
Customer Sample I.D#: HA-8-5.5

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
		done	
CALCULATIONS BASED ON DRY WEIGHT		done	
TPH - WASTE OIL RANGE	mg/kg	110.	10.

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

b Report

PRISM
TORIES, INC.
Full Service Analytical & Environmental Solutions

Sample AA15238 (continued)

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
PREP. METHOD 3550		done	
TPH - DIESEL RANGE	mg/kg	< 10	10

Comments:
Project Name: Draper Corporation
Project Number: 049355A
** RUSH **

Please advise should you have questions concerning these data.

Respectfully submitted,

Angela D. Overcash
Laboratory Manager

PRISM LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

Main Office:
449 Springbrook Road
P.O. Box 240543
Charlotte, NC 28224-0543
Phone: (704) 529-6364
Fax: (704) 525-0409

Lab Report

STATEMENT OF DATA QUALIFICATIONS

on Analyses Performed by Prism Laboratories, Inc.

Client: Triad **Laboratory Group ID No.:** 228342

_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 interference.
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 Laboratory Report for the above referenced Laboratory ID No. and must be retained as a permanent record thereof.

eport

PRISM
ORATORIES, INC.

Full Service Analytical & Environmental Solutions

May 3, 1993

Triad Environmental
Attn: Mr. Steve Johnson
3519 Clemmons Road
Clemmons, NC 27012
Ref: Draper #049355B

Dear Mr. Johnson:

Below are results of analysis of 6 samples received for examination on April 30, 1993:

Customer Code: TRIAD Phone Number: (919)766-0810 (fax) 766-0810
LAB I.D. AA15239 Prism ID Number 2284A624 Prism Customer Number 6671
Collection Date: 04/29/93 Collection Time: 09:50
Submittal Date: 04/30/93 Submittal Time: 08:00
Customer Sample I.D#: XB1/10-12

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
		done	
CALCULATIONS BASED ON DRY WEIGHT		done	
TPH - WASTE OIL RANGE	mg/kg	70.	10.

Comments:
Project Name: Draper Corporation
Project Number: 049355B
** RUSH **

Customer Code: TRIAD Phone Number: (919)766-0810 (fax) 766-0810
LAB I.D. AA15240 Prism ID Number 2284A624 Prism Customer Number 6671
Collection Date: 04/29/93 Collection Time: 10:00
Submittal Date: 04/30/93 Submittal Time: 08:00
Customer Sample I.D#: XB1/15-17

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
		done	
CALCULATIONS BASED ON DRY WEIGHT		done	
TPH - WASTE OIL RANGE	mg/kg	370.	10.

Comments:
Project Name: Draper Corporation

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

PRISM LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

Triad Environmental
Page: 2
May 3, 1993

Project Number: 049355B
** RUSH **

Customer Code: TRIAD Phone Number: (919)766-0810 (fax) 766-0810
LAB I.D. AA15241 Prism ID Number 2284A624 Prism Customer Number 6671
Collection Date: 04/29/93 Collection Time: 11:10
Submittal Date: 04/30/93 Submittal Time: 08:00
Customer Sample I.D#: XB2/10-12

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
CALCULATIONS BASED ON DRY WEIGHT		done	
TPH - WASTE OIL RANGE	mg/kg	done 30.	10.

Comments:
Project Name: Draper Corporation
Project Number: 049355B
** RUSH **

Customer Code: TRIAD Phone Number: (919)766-0810 (fax) 766-0810
LAB I.D. AA15242 Prism ID Number 2284A624 Prism Customer Number 6671
Collection Date: 04/29/93 Collection Time: 11:20
Submittal Date: 04/30/93 Submittal Time: 08:00
Customer Sample I.D#: XB2/15-17

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
CALCULATIONS BASED ON DRY WEIGHT		done	
TPH - WASTE OIL RANGE	mg/kg	done 140.	10.

Comments:
Project Name: Draper Corporation
Project Number: 049355B
** RUSH **

Customer Code: TRIAD Phone Number: (919)766-0810 (fax) 766-0810
LAB I.D. AA15243 Prism ID Number 2284A624 Prism Customer Number 6671
Collection Date: 04/29/93 Collection Time: 13:15
Submittal Date: 04/30/93 Submittal Time: 08:00
Customer Sample I.D#: XB3/5-7

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

Triad Environmental

May 3, 1993

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
		done	
CALCULATIONS BASED ON DRY WEIGHT		done	
TPH - WASTE OIL RANGE	mg/kg	50.	10.

Comments:
Project Name: Draper Corporation
Project Number: 049355B
** RUSH **

Customer Code: TRIAD Phone Number: (919)766-0810 (fax) 766-0810
LAB I.D. AA15244 Prism ID Number 2284A624 Prism Customer Number 6671
Collection Date: 04/29/93 Collection Time: 13:40
Submittal Date: 04/30/93 Submittal Time: 08:00
Customer Sample I.D#: XB3/10-12

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
		done	
CALCULATIONS BASED ON DRY WEIGHT		done	
TPH - WASTE OIL RANGE	mg/kg	130.	10.

Comments:
Project Name: Draper Corporation
Project Number: 049355B
** RUSH **

Please advise should you have questions concerning these data.

Respectfully submitted,

Angela D. Overcash
Laboratory Manager

PRISM LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

Main Office:
449 Springbrook Road
P.O. Box 240543
Charlotte, NC 28224-0543
Phone: (704) 529-6364
Fax: (704) 525-0409

Lab Report

STATEMENT OF DATA QUALIFICATIONS

on Analyses Performed by Prism Laboratories, Inc.

Client: Triad **Laboratory Group ID No.:** 2284A624

_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 interference.
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 Laboratory Report for the above referenced Laboratory ID No. and must be retained as a permanent record thereof.

...ab Report

PRISM LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

May 3, 1993

Triad Environmental
Attn: Mr. Steve Johnson
3519 Clemmons Road
Clemmons, NC 27012
Ref: Draper #049355D

Dear Mr. Johnson:

Below are results of analysis of 8 samples received for examination on April 30, 1993:

Customer Code: TRIAD Phone Number: (919)766-0810 (fax) 766-0810
LAB I.D. AA15265 Prism ID Number 2295A8 Prism Customer Number 6671
Collection Date: 04/29/93 Collection Time: 15:55
Submittal Date: 04/30/93 Submittal Time: 15:42
Customer Sample I.D#: XB4/10-12

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
CALCULATIONS BASED ON DRY WEIGHT		done	
TPH - WASTE OIL RANGE	mg/kg	890.	10.

Comments:
Project Name: Draper
Project Number: 049355D

Customer Code: TRIAD Phone Number: (919)766-0810 (fax) 766-0810
LAB I.D. AA15266 Prism ID Number 2295A8 Prism Customer Number 6671
Collection Date: 04/29/93 Collection Time: 09:10
Submittal Date: 04/30/93 Submittal Time: 15:42
Customer Sample I.D#: XB5/15-17

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
CALCULATIONS BASED ON DRY WEIGHT		done	
TPH - WASTE OIL RANGE	mg/kg	670.	10.

Comments:
Project Name: Draper
Project Number: 049355D

PRISM
LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

Customer Code: TRIAD Phone Number: (919)766-0810 (fax) 766-0810
LAB I.D. AA15267 Prism ID Number 2295A8 Prism Customer Number 6671
Collection Date: 04/30/93 Collection Time: 09:20
Submittal Date: 04/30/93 Submittal Time: 15:42
Customer Sample I.D#: XB5/20-22

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
CALCULATIONS BASED ON DRY WEIGHT		done	
TPH - WASTE OIL RANGE	mg/kg	740.	10.

Comments:
Project Name: Draper
Project Number: 049355D

Customer Code: TRIAD Phone Number: (919)766-0810 (fax) 766-0810
LAB I.D. AA15268 Prism ID Number 2295A8 Prism Customer Number 6671
Collection Date: 04/30/93 Collection Time: 09:35
Submittal Date: 04/30/93 Submittal Time: 15:42
Customer Sample I.D#: XB6/5-7

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
CALCULATIONS BASED ON DRY WEIGHT		done	
TPH - WASTE OIL RANGE	mg/kg	560.	10.

Comments:
Project Name: Draper
Project Number: 049355D

Customer Code: TRIAD Phone Number: (919)766-0810 (fax) 766-0810
LAB I.D. AA15269 Prism ID Number 2295A8 Prism Customer Number 6671
Collection Date: 04/30/93 Collection Time: 09:50
Submittal Date: 04/30/93 Submittal Time: 15:42
Customer Sample I.D#: XB6/10-12

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
CALCULATIONS BASED ON DRY WEIGHT		done	
TPH - WASTE OIL RANGE	mg/kg	750.	10.

Comments:
Project Name: Draper

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

Project Number: 049355D

Customer Code: TRIAD Phone Number: (919)766-0810 (fax) 766-0810
LAB I.D. AA15270 Prism ID Number 2295A8 Prism Customer Number 6671
Collection Date: 04/29/93 Collection Time: 10:05
Submittal Date: 04/30/93 Submittal Time: 15:42
Customer Sample I.D#: XB6/15-17

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
CALCULATIONS BASED ON DRY WEIGHT		done	
TPH - WASTE OIL RANGE	mg/kg	790.	10.

Comments:
Project Name: Draper
Project Number: 049355D

Customer Code: TRIAD Phone Number: (919)766-0810 (fax) 766-0810
LAB I.D. AA15271 Prism ID Number 2295A8 Prism Customer Number 6671
Collection Date: 04/29/93 Collection Time: 11:00
Submittal Date: 04/30/93 Submittal Time: 15:42
Customer Sample I.D#: LT-1-4

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
CALCULATIONS BASED ON DRY WEIGHT		done	
TPH - WASTE OIL RANGE	mg/kg	10830.	10.

Comments:
Project Name: Draper
Project Number: 049355D

Customer Code: TRIAD Phone Number: (919)766-0810 (fax) 766-0810
LAB I.D. AA15272 Prism ID Number 2295A8 Prism Customer Number 6671
Collection Date: 04/29/93 Collection Time: 11:30
Submittal Date: 04/30/93 Submittal Time: 15:42
Customer Sample I.D#: LT-2-4

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
CALCULATIONS BASED ON DRY WEIGHT		done	

PRISM
LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

Triad Environmental

May 3, 1993

Sample AA15272 (continued)

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
TPH - WASTE OIL RANGE	mg/kg	3800.	10.

Comments:
Project Name: Draper
Project Number: 049355D

Please advise should you have questions concerning these data.

Respectfully submitted,

Angela D. Overcash
Laboratory Manager

...Report

Full Service Analytical & Environmental Solutions

STATEMENT OF DATA QUALIFICATIONS

Client: Triad Laboratory Group ID No.: 229548

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 interference.
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 Laboratory Report for the above referenced Laboratory ID No. and must be retained as a permanent record thereof.

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

RESULTS OF LABORATORY ANALYSES
MONITORING WELLS MW-6, MW-13 AND MW-14

DRAPER CORPORATION
5644 HORNADAY ROAD
GREENSBORO, NORTH CAROLINA

Report

PRISM LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

January 18, 1993

RECEIVED 1/20/93

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

Dear Mr. Johnson:

Below are results of analysis of 1 sample received for examination on January 8, 1993:

Customer Code: TRIAD Phone Number: (919)766-0810 (fax) 766-0810
LAB I.D. AA13996 Prism ID Number 1860A1 Prism Customer Number 6671
Collection Date: 01/08/93 Collection Time: 09:50
Submittal Date: 01/08/93 Submittal Time: 15:53
Customer Sample I.D#: MW-6

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
Multicomponent analysis: ACID EXTRACTABLES BY GCMS			
4-NITROPHENOL	ug/l	Not Det	5
PENTACHLOROPHENOL	ug/l	Not Det	5
4,6-DINITRO-O-CRESOL	ug/l	Not Det	5
2,4-DINITROPHENOL	ug/l	31	5
4-CHLORO-3-METHYPHENOL	ug/l	Not Det	5
2,4,6-TRICHLOROPHENOL	ug/l	Not Det	5
2,4-DICHLOROPHENOL	ug/l	Not Det	5
2,4-DIMETHYLPHENOL	ug/l	Not Det	5
PHENOL	ug/l	Not Det	5
2-NITROPHENOL	ug/l	Not Det	5
2-CHLOROPHENOL	ug/l	Not Det	5
Multicomponent analysis: BASE-NEUTRALS BY GCMS			
N-NITROSODIMETHYLAMINE	ug/L	Not Det	5
BIS(2-CHLOROETHYL)ETHER	ug/L	Not Det	5
N-NITROSO-DI-N-PROPYLAMINE	ug/L	Not Det	5
NITROBENZENE	ug/L	Not Det	5
HEXACHLOROBUTADIENE	ug/L	Not Det	5
1,2,4-TRICHLOROBENZENE	ug/L	Not Det	5
ISOPHORONE	ug/L	Not Det	5
NAPHTHALENE	ug/L	Not Det	5
BIS(2-CHLOROETHOXY)METHANE	ug/L	Not Det	5
HEXACHLOROCYCLOPENTADIENE	ug/L	Not Det	5
2-CHLORONAPHTHALENE	ug/L	Not Det	5

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

BASE-NEUTRALS BY GCMS (continued):

ACENAPHTHYLENE	ug/L	Not Det	5
ACENAPHTHENE	ug/L	Not Det	5
DIMETHYL PHTHALATE	ug/L	Not Det	5
2,6-DINITROTOLUENE	ug/L	Not Det	5
FLUORENE	ug/L	Not Det	5
4-CHLOROPHENYL PHENYL ETHER	ug/L	Not Det	5
2,4-DINITROTOLUENE	ug/L	Not Det	5
DIETHYL PHTHALATE	ug/L	Not Det	5
N-NITROSODIPHENYLAMINE	ug/L	Not Det	5
1,2-DIPHENYL HYDRAZINE	ug/L	Not Det	5
HEXACHLOROBENZENE	ug/L	Not Det	5
4-BROMOPHENYL PHENYL ETHER	ug/L	Not Det	5
PHENANTHRENE	ug/L	Not Det	5
ANTHRACENE	ug/L	Not Det	5
DI-N-BUTYL-PHTHALATE	ug/L	Not Det	5
FLUORANTHENE	ug/L	Not Det	5
PYRENE	ug/L	Not Det	5
BENZIDINE	ug/L	Not Det	5
BUTYL BENZYL PHTHALATE	ug/L	Not Det	5
BIS(2-ETHYLHEXYL) PHTHALATE	ug/L	Not Det	5
BENZO (a) ANTHRACENE	ug/L	Not Det	5
CHRYSENE	ug/L	Not Det	5
3,3'-DICHLOROBENZIDINE	ug/L	Not Det	5
DI-N-OCTAL PHTHALATE	ug/L	Not Det	5
BENZO (b) FLUORANTHENE	ug/L	Not Det	5
BENZO (k) FLUORANTHENE	ug/L	Not Det	5
BENZO (a) PYRENE	ug/L	Not Det	5
INDENO (1,2,3-cd) PYRENE	ug/L	Not Det	5
DIBENZ (a,h) ANTHRACENE	ug/L	Not Det	5
BENZO (g,h,i) PERYLENE	ug/L	Not Det	5
2-METHYLNAPHTHALENE	ug/L	Not Det	5
BIS(2-CHLOROISOPROPYL) ETHER	ug/L	Not Det	5
4-CHLOROPHENYL PHENYL ETHER	ug/L	Not Det	5
HEXACHLOROETHANE	ug/L	Not Det	5
EPA METHOD 8270, GCMS		done	

Comments:
Project Name: Draper Corporation
MW-6

Please advise should you have questions concerning these data.

Respectfully submitted,

Angela D. Overcash
Laboratory Manager

PRISM
LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

BASE-NEUTRALS BY GCMS (continued):			
N-NITROSODIPHENYLAMINE	ug/L	Not Det	10
1,2-DIPHENYL HYDRAZINE	ug/L	Not Det	10
HEXACHLOROBENZENE	ug/L	Not Det	10
4-BROMOPHENYL PHENYL ETHER	ug/L	Not Det	10
PHENANTHRENE	ug/L	Not Det	10
ANTHRACENE	ug/L	Not Det	10
DI-N-BUTYL-PHTHALATE	ug/L	Not Det	10
FLUORANTHENE	ug/L	Not Det	10
PYRENE	ug/L	Not Det	10
BENZIDINE	ug/L	Not Det	10
BUTYL BENZYL PHTHALATE	ug/L	Not Det	10
BIS(2-ETHYLHEXYL) PHTHALATE	ug/L	Not Det	10
BENZO (a) ANTHRACENE	ug/L	Not Det	10
CHRYSENE	ug/L	Not Det	10
3,3'-DICHLOROBENZIDINE	ug/L	Not Det	10
DI-N-OCTAL PHTHALATE	ug/L	Not Det	10
BENZO (b) FLUORANTHENE	ug/L	Not Det	10
BENZO (k) FLUORANTHENE	ug/L	Not Det	10
BENZO (a) PYRENE	ug/L	Not Det	10
INDENO (1,2,3-cd) PYRENE	ug/L	Not Det	10
DIBENZ (a,h) ANTHRACENE	ug/L	Not Det	10
BENZO (g,h,i) PERYLENE	ug/L	Not Det	10
2-METHYLNAPHTHALENE	ug/L	Not Det	10
BIS(2-CHLOROISOPROPYL) ETHER	ug/L	Not Det	10
4-CHLOROPHENYL PHENYL ETHER	ug/L	Not Det	10
HEXACHLOROETHANE	ug/L	Not Det	10
EPA METHOD 8270, GCMS		done	

Comments:
Project Name: Draper Corporation
Job Number: 019329

Customer Code: TRIAD Phone Number: (919)766-0810 (fax) 766-0810
LAB I.D. AA14254 Prism ID Number 1941A648 Prism Customer Number 6671
Collection Date: 01/29/93 Collection Time: 15:50
Submittal Date: 02/01/93 Submittal Time: 14:06
Customer Sample I.D#: MW-8

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
Fax results		done	
Multicomponent analysis: EPA Method 624			
benzene	ug/l	Not Det	5
carbon tetrachloride	ug/l	Not Det	5

PRISM
BORATORIES, INC.
Full Service Analytical & Environmental Solutions

Triad Environmental
Page: 3
February 4, 1993

EPA Method 624 (continued):			
chloromethane	ug/l	Not Det	10
bromomethane	ug/l	Not Det	10
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
cis-1,2-dichloroethene	ug/l	22	5
Multicomponent analysis: ACID EXTRACTABLES BY GCMS			
4-NITROPHENOL	ug/l	Not Det	10
PENTACHLOROPHENOL	ug/l	Not Det	10
4,6-DINITRO-O-CRESOL	ug/l	Not Det	10
2,4-DINITROPHENOL	ug/l	Not Det	10
4-CHLORO-3-METHYPHENOL	ug/l	Not Det	10
2,4,6-TRICHLOROPHENOL	ug/l	Not Det	10
2,4-DICHLOROPHENOL	ug/l	Not Det	10
2,4-DIMETHYLPHENOL	ug/l	Not Det	10
PHENOL	ug/l	Not Det	10
2-NITROPHENOL	ug/l	Not Det	10
2-CHLOROPHENOL	ug/l	Not Det	10
Multicomponent analysis: BASE-NEUTRALS BY GCMS			
N-NITROSODIMETHYLAMINE	ug/L	Not Det	10
BIS(2-CHLOROETHYL)ETHER	ug/L	Not Det	10
N-NITROSO-DI-N-PROPYLAMINE	ug/L	Not Det	10
NITROBENZENE	ug/L	Not Det	10
HEXACHLOROBUTADIENE	ug/L	Not Det	10
1,2,4-TRICHLOROBENZENE	ug/L	Not Det	10
ISOPHORONE	ug/L	Not Det	10
NAPHTHALENE	ug/L	Not Det	10
BIS(2-CHLOROETHOXY)METHANE	ug/L	Not Det	10
HEXACHLOROCYCLOPENTADIENE	ug/L	Not Det	10
2-CHLORONAPHTHALENE	ug/L	Not Det	10
ACENAPHTHYLENE	ug/L	Not Det	10
ACENAPHTHENE	ug/L	Not Det	10
DIMETHYL PHTHALATE	ug/L	Not Det	10
2,6-DINITROTOLUENE	ug/L	Not Det	10
FLUORENE	ug/L	Not Det	10
4-CHLOROPHENYL PHENYL ETHER	ug/L	Not Det	10
2,4-DINITROTOLUENE	ug/L	Not Det	10
DIETHYL PHTHALATE	ug/L	Not Det	10

PRISM
...ORATORIES, INC.
Full Service Analytical & Environmental Solutions

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
cis-1,2-dichloroethene	ug/l	Not Det	5

Comments:
Project Name: Draper Corporation
Job Number: 019329

Customer Code: TRIAD Phone Number: (919)766-0810 (fax) 766-0810
LAB I.D. AA14253 Prism ID Number 1941A648 Prism Customer Number 6671
Collection Date: 01/29/93 Collection Time: 14:50
Submittal Date: 02/01/93 Submittal Time: 14:06
Customer Sample I.D#: MW-6

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
Fax results		done	
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

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

May 3, 1993

Triad Environmental
Attn: Mr. Steve Johnson
3519 Clemmons Road
Clemmons, NC 27012
Ref: Draper #049355C

Dear Mr. Johnson:

Below are results of analysis of 3 samples received for examination on April 30, 1993:

Customer Code: TRIAD Phone Number: (919)766-0810 (fax) 766-0810
LAB I.D. AA15257 Prism ID Number 2289A3 Prism Customer Number 6671
Collection Date: 04/29/93 Collection Time: 17:50
Submittal Date: 04/30/93
Customer Sample I.D#: MW-13

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
		done	
PREP METHOD 3510		done	
Multicomponent analysis: EPA METHOD 625			
ACENAPHTHENE	ug/l	Not Det	10
ACENAPHTHYLENE	ug/l	Not Det	10
ANTHRACENE	ug/l	Not Det	10
BENZO(A)ANTHRACENE	ug/l	Not Det	10
BENZO(B)FLUORANTHENE	ug/l	Not Det	10
BENZO(K)FLUORANTHENE	ug/l	Not Det	10
BENZO(A)PYRENE	ug/l	Not Det	10
BENZO(GHI)PERYLENE	ug/l	Not Det	10
BIS(2-CHLOROETHOXY)METHANE	ug/l	Not Det	10
BIS(2-CHLOROETHYL)ETHER	ug/l	Not Det	10
BIS(2-CHLOROISOPROPYL)ETHER	ug/l	Not Det	10
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	Not Det	10
4-BROMOPHENYL PHENYL ETHER	ug/l	Not Det	10
BUTYL BENZYL PHTHALATE	ug/l	Not Det	10
CARBAZOLE	ug/l	Not Det	10
4-CHLORO-3-METHYLPHENOL	ug/l	Not Det	10
2-CHLORONAPHTHALENE	ug/l	Not Det	10
2-CHLOROPHENOL	ug/l	Not Det	10
4-CHLOROPHENYL PHENYL ETHER	ug/l	Not Det	10
CHRYSENE	ug/l	Not Det	10
DIBENZO(A,H)ANTHRACENE	ug/l	Not Det	10

Lab Report

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

EPA METHOD 625 (continued):

DIBENZO FURAN	ug/l	Not Det	10
DI-N-BUTYLPHTHALATE	ug/l	Not Det	50
1,2-DICHLOROBENZENE	ug/l	Not Det	10
1,3-DICHLOROBENZENE	ug/l	Not Det	10
1,4-DICHLOROBENZENE	ug/l	Not Det	10
2,4-DICHLOROPHENOL	ug/l	Not Det	10
DIETHYL PHTHALATE	ug/l	Not Det	10
2,4-DIMETHYLPHENOL	ug/l	Not Det	10
DIMETHYL PHTHALATE	ug/l	Not Det	10
2,4-DINITROPHENOL	ug/l	Not Det	25
2,4-DINITROTOLUENE	ug/l	Not Det	10
2,6-DINITROTOLUENE	ug/l	Not Det	10
DI-N-OCTYLPHTHALATE	ug/l	Not Det	50
FLUORANTHENE	ug/l	Not Det	10
FLUORENE	ug/l	Not Det	10
HEXACHLOROBENZENE	ug/l	Not Det	10
HEXACHLOROBUTADIENE	ug/l	Not Det	10
HEXACHLOROCYCLOPENTADIENE	ug/l	Not Det	50
HEXACHLOROETHANE	ug/l	Not Det	10
INDENO(1,2,3-CD)PYRENE	ug/l	Not Det	10
ISOPHORONE	ug/l	Not Det	10
2-METHYL-4,6-DINITROPHENOL	ug/l	Not Det	50
2-METHYL NAPHTHALENE	ug/l	Not Det	10
2-METHYL-PHENOL	ug/l	Not Det	10
4-METHYL-PHENOL	ug/l	Not Det	10
NAPHTHALENE	ug/l	Not Det	10
NITROBENZENE	ug/l	Not Det	10
2-NITROPHENOL	ug/l	Not Det	10
4-NITROPHENOL	ug/l	Not Det	50
N-NITROSODIPHENYLAMINE	ug/l	Not Det	10
N-NITROSODI-N-PROPYLAMINE	ug/l	Not Det	10
PENTACHLOROPHENOL	ug/l	Not Det	50
PHENANTHRENE	ug/l	Not Det	10
PHENOL	ug/l	Not Det	10
PYRENE	ug/l	Not Det	10
1,2,4-TRICHLOROBENZENE	ug/l	Not Det	10
2,4,5-TRICHLOROPHENOL	ug/l	Not Det	10
2,4,6-TRICHLOROPHENOL	ug/l	Not Det	10

Comments:
Project Name: Draper
Project Number: 049355C

There were no unknown peaks to identify; however, the chromatograph showed presence of hydrocarbons at levels that require no action.

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

Triad Environmental
Page: 3
May 3, 1993

Customer Code: TRIAD Phone Number: (919)766-0810 (fax) 766-0810
LAB I.D. AA15258 Prism ID Number 2289A3 Prism Customer Number 6671
Collection Date: 04/29/93 Collection Time: 18:15
Submittal Date: 04/30/93
Customer Sample I.D#: MW-6

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
		done	
PREP METHOD 3510		done	
Multicomponent analysis: EPA METHOD 625			
ACENAPHTHENE	ug/l	Not Det	10
ACENAPHTHYLENE	ug/l	Not Det	10
ANTHRACENE	ug/l	Not Det	10
BENZO(A)ANTHRACENE	ug/l	Not Det	10
BENZO(B)FLUORANTHENE	ug/l	Not Det	10
BENZO(K)FLUORANTHENE	ug/l	Not Det	10
BENZO(A)PYRENE	ug/l	Not Det	10
BENZO(GHI)PERYLENE	ug/l	Not Det	10
BIS(2-CHLOROETHOXY)METHANE	ug/l	Not Det	10
BIS(2-CHLOROETHYL)ETHER	ug/l	Not Det	10
BIS(2-CHLOROISOPROPYL)ETHER	ug/l	Not Det	10
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	Not Det	10
4-BROMOPHENYL PHENYL ETHER	ug/l	Not Det	10
BUTYL BENZYL PHTHALATE	ug/l	Not Det	10
CARBAZOLE	ug/l	Not Det	10
4-CHLORO-3-METHYLPHENOL	ug/l	Not Det	10
2-CHLORONAPHTHALENE	ug/l	Not Det	10
2-CHLOROPHENOL	ug/l	Not Det	10
4-CHLOROPHENYL PHENYL ETHER	ug/l	Not Det	10
CHRYSENE	ug/l	Not Det	10
DIBENZO(A,H)ANTHRACENE	ug/l	Not Det	10
DIBENZO FURAN	ug/l	Not Det	10
DI-N-BUTYLPHTHALATE	ug/l	Not Det	50
1,2-DICHLOROBENZENE	ug/l	Not Det	10
1,3-DICHLOROBENZENE	ug/l	Not Det	10
1,4-DICHLOROBENZENE	ug/l	Not Det	10
2,4-DICHLOROPHENOL	ug/l	Not Det	10
DIETHYL PHTHALATE	ug/l	Not Det	10
2,4-DIMETHYLPHENOL	ug/l	Not Det	10
DIMETHYL PHTHALATE	ug/l	Not Det	10
2,4-DINITROPHENOL	ug/l	Not Det	25
2,4-DINITROTOLUENE	ug/l	Not Det	10
2,6-DINITROTOLUENE	ug/l	Not Det	10
DI-N-OCTYLPHTHALATE	ug/l	Not Det	50
FLUORANTHENE	ug/l	Not Det	10

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

Triad Environmental
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EPA METHOD 625 (continued):			
FLUORENE	ug/l	Not Det	10
HEXACHLOROBENZENE	ug/l	Not Det	10
HEXACHLOROBUTADIENE	ug/l	Not Det	10
HEXACHLOROCYCLOPENTADIENE	ug/l	Not Det	50
HEXACHLOROETHANE	ug/l	Not Det	10
INDENO(1,2,3-CD)PYRENE	ug/l	Not Det	10
ISOPHORONE	ug/l	Not Det	10
2-METHYL-4,6-DINITROPHENOL	ug/l	Not Det	50
2-METHYL NAPHTHALENE	ug/l	Not Det	10
2-METHYL-PHENOL	ug/l	Not Det	10
4-METHYL-PHENOL	ug/l	Not Det	10
NAPHTHALENE	ug/l	Not Det	10
NITROBENZENE	ug/l	Not Det	10
2-NITROPHENOL	ug/l	Not Det	10
4-NITROPHENOL	ug/l	Not Det	50
N-NITROSODIPHENYLAMINE	ug/l	Not Det	10
N-NITROSODI-N-PROPYLAMINE	ug/l	Not Det	10
PENTACHLOROPHENOL	ug/l	Not Det	50
PHENANTHRENE	ug/l	Not Det	10
PHENOL	ug/l	Not Det	10
PYRENE	ug/l	Not Det	10
1,2,4-TRICHLOROBENZENE	ug/l	Not Det	10
2,4,5-TRICHLOROPHENOL	ug/l	Not Det	10
2,4,6-TRICHLOROPHENOL	ug/l	Not Det	10

Comments:
Project Name: Draper
Project Number: 049355C

There were no unknown peaks to identify.

Customer Code: TRIAD Phone Number: (919)766-0810 (fax) 766-0810
LAB I.D. AA15259 Prism ID Number 2289A3 Prism Customer Number 6671
Collection Date: 04/29/93 Collection Time: 19:16
Submittal Date: 04/30/93
Customer Sample I.D#: MW-14

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
		done	
PREP METHOD 3510		done	
Multicomponent analysis: EPA METHOD 625			
ACENAPHTHENE	ug/l	Not Det	10
ACENAPHTHYLENE	ug/l	Not Det	10

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

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EPA METHOD 625 (continued):

ANTHRACENE	ug/l	Not Det	10
BENZO(A)ANTHRACENE	ug/l	Not Det	10
BENZO(B)FLUORANTHENE	ug/l	Not Det	10
BENZO(K)FLUORANTHENE	ug/l	Not Det	10
BENZO(A)PYRENE	ug/l	Not Det	10
BENZO(GHI)PERYLENE	ug/l	Not Det	10
BIS(2-CHLOROETHOXY)METHANE	ug/l	Not Det	10
BIS(2-CHLOROETHYL)ETHER	ug/l	Not Det	10
BIS(2-CHLOROISOPROPYL)ETHER	ug/l	Not Det	10
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	Not Det	10
4-BROMOPHENYL PHENYL ETHER	ug/l	Not Det	10
BUTYL BENZYL PHTHALATE	ug/l	Not Det	10
CARBAZOLE	ug/l	Not Det	10
4-CHLORO-3-METHYLPHENOL	ug/l	Not Det	10
2-CHLORONAPHTHALENE	ug/l	Not Det	10
2-CHLOROPHENOL	ug/l	Not Det	10
4-CHLOROPHENYL PHENYL ETHER	ug/l	Not Det	10
CHRYSENE	ug/l	Not Det	10
DIBENZO(A,H)ANTHRACENE	ug/l	Not Det	10
DIBENZO FURAN	ug/l	Not Det	10
DI-N-BUTYLPHTHALATE	ug/l	Not Det	50
1,2-DICHLOROBENZENE	ug/l	Not Det	10
1,3-DICHLOROBENZENE	ug/l	Not Det	10
1,4-DICHLOROBENZENE	ug/l	Not Det	10
2,4-DICHLOROPHENOL	ug/l	Not Det	10
DIETHYL PHTHALATE	ug/l	Not Det	10
2,4-DIMETHYLPHENOL	ug/l	Not Det	10
DIMETHYL PHTHALATE	ug/l	Not Det	10
2,4-DINITROPHENOL	ug/l	Not Det	25
2,4-DINITROTOLUENE	ug/l	Not Det	10
2,6-DINITROTOLUENE	ug/l	Not Det	10
DI-N-OCTYLPHTHALATE	ug/l	Not Det	50
FLUORANTHENE	ug/l	Not Det	10
FLUORENE	ug/l	Not Det	10
HEXACHLOROBENZENE	ug/l	Not Det	10
HEXACHLOROBUTADIENE	ug/l	Not Det	10
HEXACHLOROCYCLOPENTADIENE	ug/l	Not Det	50
HEXACHLOROETHANE	ug/l	Not Det	10
INDENO(1,2,3-CD)PYRENE	ug/l	Not Det	10
ISOPHORONE	ug/l	Not Det	10
2-METHYL-4,6-DINITROPHENOL	ug/l	Not Det	50
2-METHYL NAPHTHALENE	ug/l	Not Det	10
2-METHYL-PHENOL	ug/l	Not Det	10
4-METHYL-PHENOL	ug/l	Not Det	10
NAPHTHALENE	ug/l	Not Det	10
NITROBENZENE	ug/l	Not Det	10
2-NITROPHENOL	ug/l	Not Det	10

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PRISM LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

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EPA METHOD 625 (continued):

4-NITROPHENOL	ug/l	Not Det	50
N-NITROSODIPHENYLAMINE	ug/l	Not Det	10
N-NITROSODI-N-PROPYLAMINE	ug/l	Not Det	10
PENTACHLOROPHENOL	ug/l	Not Det	50
PHENANTHRENE	ug/l	Not Det	10
PHENOL	ug/l	Not Det	10
PYRENE	ug/l	Not Det	10
1,2,4-TRICHLOROBENZENE	ug/l	Not Det	10
2,4,5-TRICHLOROPHENOL	ug/l	Not Det	10
2,4,6-TRICHLOROPHENOL	ug/l	Not Det	10

Comments:
Project Name: Draper
Project Number: 049355C

There were no unknown peaks to identify.

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

PRISM LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

Main Office:
449 Springbrook Road
P.O. Box 240543
Charlotte, NC 28224-0543
Phone: (704) 529-6364
Fax: (704) 525-0409

Lab Report

STATEMENT OF DATA QUALIFICATIONS

on Analyses Performed by Prism Laboratories, Inc.

Client: Triad Laboratory Group ID No.: 2289A3

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 interference.
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 Laboratory Report for the above referenced Laboratory ID No. and must be retained as a permanent record thereof.

CITY OF GREENSBORO

NORTH CAROLINA

P.O. BOX 3136
GREENSBORO, NC 27402-3136

Enclosed please find the Temporary Wastewater Discharge Permit/Application which you requested. This permit/application is for the one-time discharge of special wastewater not covered by an existing wastewater discharge permit. Please complete the application and return it to the City of Greensboro Industrial Waste Section along with the required laboratory data. Submit the completed application and information to:

City of Greensboro
Industrial Waste Section - Osborne Laboratory
Box 3136
Greensboro, North Carolina 27402-3136

The City of Greensboro Sewer Use Ordinance does not include specific pollutant limits for special wastewater discharges. Some allowances may be made for special wastewater discharges but these will be determined on a case-by-case basis. Pretreatment may be required for the temporary special wastewater discharge. In addition, a treatment fee may be assessed for the discharge. Any pollutant discharge limits will also be determined on a case-by-case basis. The following conditions apply to all temporary special wastewater discharge permits:

Duration	21 calendar days
Maximum discharge	20,000 gallons per day

Discharge point will be specified by the Industrial Waste Section
Signatory Official must be an employee of the company/property owner and cannot be a representative of a consulting firm

The Industrial Waste Section will generally take action upon a completed application within 30 days of receipt. If you need further assistance please contact the Industrial Waste Section at 919-375-2240.

Sincerely,

Martha Groome

Martha E. Groome
Laboratory and Industrial Waste Section Supervisor

Enclosure: Temporary Wastewater Discharge Permit - Application for the Discharge of Special Wastewater

TEMPORARY WASTEWATER DISCHARGE PERMIT
APPLICATION FOR THE DISCHARGE OF SPECIAL WASTEWATER Page 2

Will this waste be discharged to the existing wastewater system on the property? ✓ YES _____ NO
If yes, location of manhole/sanitary sewer line: 200' South of Excav.

If no, will this wastewater be transported by a tanker truck or septic tank company to the North Buffalo Wastewater Facility? _____ YES ✓ NO
Name of Company transporting wastewater: _____

I have personally examined and am familiar with the information submitted in this document. Based upon my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the information contained in this application is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fines and/or imprisonment. I accept responsibility for compliance with this discharge permit.

4/29/93
Date

C. M. Wall
Signatory Official for Company/Owner

****

TO BE COMPLETED BY CITY OF GREENSBORO INDUSTRIAL WASTE SECTION

A TEMPORARY DISCHARGE PERMIT IS HEREBY ISSUED
BY THE CITY OF GREENSBORO INDUSTRIAL WASTE SECTION
FOR THE DISCHARGE OF SPECIAL WASTEWATER

THIS PERMIT IS EFFECTIVE April 29, 1993

THIS PERMIT EXPIRES May 19, 1993

THE FOLLOWING SPECIAL CONDITIONS APPLY TO THIS TEMPORARY DISCHARGE:
1. Permittee will contact IWS by telephone at 919-375-2240 when discharge begins and when discharge has been completed.

MAXIMUM RATE OF DISCHARGE: 10 gallons per minute

WASTEWATER WILL BE DISCHARGED TO: _____ NORTH BUFFALO POTW
✓ T. Z. OSBORNE POTW

CHARGE FOR DISCHARGE: _____ YES ✓ NO $ N/A

PERMIT ISSUED BY: Martha Groome
Martha Groome, Laboratory and Industrial Waste Section Supervisor
(NOTE: Permit is not valid without IWS signature and Seal)