APPENDIX 4-L

SWMU CORRECTIVE ACTION PLAN REPORT

SMWUs CORRECTIVE ACTION PLAN

The William L. Bonnell Company, Inc.
25 Bonnell Street
Newnan, Georgia 30264

October 1995

THE WILLIAM L BONNELL COMPANY, INC.
AND CAPITOL PRODUCTS CORPORATION
SUBSIDIARIES OF TREDEGAR INDUSTRIES, INC.
25 Bonnell Street • P.O. Box 428 • Newnan, Georgia 30263
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October 19, 1995

Harold Reheis, P.E.
Director
Environmental Protection Division
Floyd Towers East, Suite 1154
205 Butler Street
Atlanta, GA 30334

Re: Permit Modification Request
The William L Bonnell Co., Inc.
GAD 003273224
Permit No. HW-087

Dear Harold

The purpose of this letter is to request modifications to the referenced Permit to incorporate the Corrective Action Plan (CAP) for the Solid Waste Management Units requiring remediation as discussed in EPD's June 14, 1995 letter (Susan Eason to Terry Snell). Four copies of the CAP are attached to Ken Grall's copy of this letter. The requested modifications are submitted as Class 3 Permit Modification Requests.

If you have any questions, please contact Terry Snell at 404/254-7690.

Sincerely

Douglas R. Monk
General Manager

cc: Susan Eason
Ken Grall

SOLID WASTE MANAGEMENT UNITS

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SECTION 1
INTRODUCTION

1.1 RFI REPORT OBJECTIVES

The Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) report for The William L Bonnell Company, Inc. (Bonnell) facility located at Bonnell Street in Newnan, Georgia (Figure 1) was submitted in July 1994 and revised in July 1995. The objectives of the RFI report, which was required by Section IV of Bonnell's Hazardous Waste Facility Post Closure Care Permit (No. EPD-HW-087), were to:

1. determine the nature and extent of the possible releases at Solid Waste Management Units (SWMUs) selected for study in the RCRA Facility Assessment;

2) determine the risk to the environment posed by potential contamination in those SWMUs;

3) determine the nature of any further action, if necessary, for those SWMUs.

In a June 14, 1995, letter, EPD stated that "Corrective action is required at the following SWMUs for hazardous constituents that exceed the established background concentration, and areas with TPH concentrations greater than 500 ppm:

SWMU-50	SWMU-7	SWMU-46	SWMU-13	SWMU-14
SWMU-16	SWMU-17	SWMU-18	SWMU-19	SWMU-23
SWMU-29	SWMU-35	SWMU-42	SWMU-47	SWMU-49"

In order to accomplish remediation of the Solid Waste Management Units, Bonnell is proposing the corrective actions included in this Corrective Action Plan (CAP) for those SWMUs listed above except SWMU 49. A corrective action plan for SWMU 49 has already been incorporated into Bonnell's Post Closure Care Permit.

This CAP is designed to meet the following goals:

1. to protect human health and the environment,

2. to comply with standards for management of wastes and contaminated media,

3. to achieve media cleanup standards,

4. to remediate the contamination in the soil, and

5. to prevent hazardous constituents from exceeding their respective concentration limits at the compliance point by removing the hazardous constituents or treating them in place.

6. to establish a remediation and monitoring methodology with defined termination criteria.

1.2 REGULATORY FRAMEWORK

This CAP is submitted in accordance with Section III.D.5 of Bonnell's Post-Closure Care Permit. This CAP is submitted as an application for a Class 3 permit modification pursuant to 40 CFR 270.42.

This CAP outlines the steps required to meet the clean-up objectives for corrective action of soils stated in 40 CFR Section 264.100(a) using acceptable engineering methods. In addition to the Post Closure Care Permit, Bonnell has submitted the following relevant documents to the Georgia Environmental Protection Division (EPD) relevant to this CAP:

1. Part B Permit Application for Closure and Post-Closure Care, 1992 (including all referenced documents and data).

2. RCRA Facility Investigation Report, July 1994, Revised July 1995.

3. Request for Temporary Authorization letter from Bonnell to EPD dated June 15, 1995, and additional information letter from Bonnell to EPD dated July 5, 1995.

1.3 REPORT FORMAT

This CAP is divided into five sections which are as follows:

SECTION 1, INTRODUCTION, which provides brief background information and states the objectives and scope of the CAP.

SECTION 2, ENVIRONMENTAL SETTING, which describes the conditions in the site area and presents a brief discussion of contaminant transport in the unsaturated zone;

SECTION 3, RFI REPORT FINDINGS RECAP, which presents a brief description of the SWMUs covered by this plan along with RFI analytical results; and

SECTION 4, CORRECTIVE ACTION ALTERNATIVES, which describes relevant potential treatment alternatives for remediation at the Bonnell site, the proposed remediation program, termination criteria, and a schedule for implementation.

Financial assurance will be provided under a separate cover.

1.4 SITE AND PROJECT HISTORY

The Bonnell property has been used for aluminum manufacturing for over 35 years. Bonnell manufactures aluminum extrusions. Scrap and ingot are melted and the aluminum is extruded on-site. Some extrusions are anodized using a sulfuric acid anodizing process. Some extrusions are painted. Pre-paint treatment of the extrusions is a chemical conversion coating of aluminum process.

Both the anodizing process and the pre-paint chemical conversion coating process generate wastewater. The treatment of wastewater from the anodizing process generates an aluminum hydroxide (AlOH) sludge which is exempt from the listed hazardous waste Code F006 (wastewater treatment sludge from electroplating operations). The treatment of the wastewater from the chemical conversion coating process generates a listed hazardous waste, F019 (wastewater treatment sludges from chemical conversion coating of aluminum).

On September 28, 1992, Bonnell received a Post Closure Care Permit from EPD for the closure and post-closure care of four hazardous waste management units (HWMUs) under RCRA, Section 3008(h). These four hazardous waste management units are the Chromium Hydroxide Sand Drying Beds (SWMU-2), the Chromium Hydroxide Landfill (SWMU-3), the Surface Impoundment Unit (SWMU-4), and the Aluminum Hydroxide Land Treatment Unit (SWMU-6), as shown on Figure 2. Permit condition III.D.5. requires Bonnell to conduct groundwater corrective action in connection

with the first three of the four HWMUs listed above. The remediation will consist of treating two small chromium groundwater plumes and two larger PCE/TCE groundwater plumes. The chromium plumes are located at the former CrOH Sand Drying Beds and at the CrOH Landfill. The larger groundwater PCE/TCE plume originates at the location of the former PCE degreasing unit and extends southwest the length of the facility and beyond to Mineral Springs Branch. The smaller PCE/TCE plume is centered around part of the polishing pond and monitoring well 7-D.

Since 1989, several soil and groundwater quality assessments have been conducted within the property boundary to evaluate the extent, if any, of contaminants expected or known to degrade the quality of the environment. These reports have been submitted to EPD under separate covers.

On October 19, 1990, as part of Bonnell's Post Closure Care Permit Application, data on 45 units that Bonnell considered to be solid waste management units (SWMUs) were submitted to EPD. The submittal included a brief description of SWMUs identified at the facility by Bonnell, a description of known releases at the facility, and all available sampling and analysis data on the SWMUs.

On August 6, 1991, EPD conducted an on-site RFA. Each of the SWMUs identified by Bonnell as well as other areas of the facility were assessed. On September 19, 1991, Bonnell submitted additional information on each SWMU, including new soil and water sampling and analysis data and sketches. On December 6, 1991, Bonnell discovered an area where chromium hydroxide sludge had been spilled within SWMU-1. This area was designated as SWMU-50.

While developing the RFI Workplan, Bonnell identified two additional areas where wastes were managed and notified EPD in accordance with Section IV.A.3. of the Post Closure Care Permit. EPD instructed Bonnell to include these areas, which are designated as SWMU-51 and SWMU-52, in the RFI Workplan.

SECTION 2
ENVIRONMENTAL SETTING

2.1 SITE DESCRIPTION

2.1.1 Plant Site Description

The Bonnell site is located on Bonnell Street off Georgia Route 34 in Newnan, Georgia. The site encompasses approximately 80 acres and is bounded on the north by Temple Avenue, on the south by West Washington Street, on the east by Bonnell Street, and on the west by Belt Road (Figures 1 and 2).

Main buildings at the site include the sink frame building, which housed the original aluminum extrusion operations; the main production building; the fabrication building; the maintenance shops; and the truck shop.

2.1.2 Access to the Property

The Bonnell facility is completely enclosed within the six-foot high chain link security fence surrounding the Bonnell property. The fence is topped with three strands of barbed wire. Only two gates in this fence are normally unlocked. Both of these electrically operated gates are immediately in front of the security office, and are observed and controlled by Bonnell security officers 24-hours a day. The Bonnell plant has security officers on duty 24-hours per day, with at least one officer on duty at all times. Personnel requiring access through the locked gates must check out keys from the security office. The perimeter fence is inspected quarterly.

Additionally, employees assigned to the environmental protection department are normally on duty 24-hours per day, seven days per week. The presence of the security officers and the environmental protection employees provide 24-hour surveillance of both the main entry to the plant and of the primary access to waste management areas.

Warning signs are posted at all gates in the fence surrounding the Bonnell property. These signs are in English and are easily legible from a distance of at least 25 ft.

2.1.3 Zoning and Land Use

The land use and zoning of property near the Bonnell facility is primarily residential with much smaller areas zoned for industrial and commercial purposes. A zoning map of the area within 4 miles of the Bonnell property is shown as Figure 3. An aerial photograph was taken of the plant property and surrounding area in 1990 in conjunction with the topographic mapping required for the Part B Permit Application. A print of this photograph was provided to EPD as part of the Permit Application.

2.2 ENVIRONMENTAL SETTING

2.2.1 Geologic and Hydrogeologic Setting

The Bonnell site lies in the Piedmont physiographic province of Georgia, which is an igneous and metamorphic geologic terrain. Rocks of the Piedmont are collectively termed bedrock, or the crystalline basement where they are un-weathered and resistant. Over most of the Piedmont, weathering of the parent bedrock has produced an upper veneer of semi-consolidated, sandy and

clayey soils known as saprolite. This layer ranges in thickness from a few feet to as much as 100 feet, depending on the resistance of the original rock type and a number of other factors.

The primary rock types observed at the site in wells, outcrops, and as scattered rock float in soils are sillimanite schist, biotite-quartz schist, and gneiss of various mineral compositions. Different rock types and their associated geometry occur in a complex pattern over the site. The rocks, or their weathered saprolitic remnants, appear to occur in bands whose dimensions range from a few inches to several hundred feet in width.

The average rock attitude at Bonnell is approximately N15W strike, and 45 degrees east dip. However, the overall structural trend at Bonnell is apparently part of a syncline or synclinorium that plunges to the northeast. This broad structure is evident on a regional map of the area.

The predominant groundwater flow direction, as verified by potentiometric measurements, is at least partially controlled by the geologic strike at this site. This is supported by the contaminant plume delineation.

2.2.2 Groundwater

Extensive information about the groundwater at the Bonnell facility is included in Section E Permit Application, the Groundwater Assessment and Groundwater Corrective Action Plan. Only a few groundwater supply wells exist within three miles of the Bonnell plant. Known wells are shown on Figure 4. Only the well on the Hendrick property is known to be used as a source for drinking water. The Hendrick well is approximately 5,000 ft. side gradient from the Bonnell property. The Knox well is used only to water a vegetable garden and other non-potable uses. Neither Westside School nor the Willoughby wells are used. The Newnan Water and Light Commission has three groundwater

wells. The Commission wells were used only briefly in 1986 during a drought. They have not been used since. Samples were collected from the Hendrick, Willoughby, and Knox wells and analyzed for EPA Method 8260 VOCs. None were found above the detection limit.

Some information about groundwater discharge is provided in the Permit Application. The potentiometric surface map included in Section E of the Permit Application shows groundwater discharging to streams on the Bonnell property.

There are no known significant groundwater recharge areas within 5 miles of the Bonnell plant. This was confirmed by a review of the Georgia Geologic Survey's "Hydrologic Atlas No. 18 - Most Significant Groundwater Recharge Areas of Georgia".

2.2.3 Surface Water

There are several small bodies of surface water within four miles of the Bonnell property. Nearly all of these are associated with housing developments, golf courses, farms, and similar activities. The Newnan Water and Light Commission owns a series of reservoirs just south of the City. These reservoirs and other major bodies of surface water within four miles of the Bonnell plant are shown on Exhibit 2-3 of the Permit Application. The source of water for these reservoirs are creeks several miles to the east of Newnan and not downstream from the Bonnell plant. There are no known surface water intakes for drinking water purposes downstream and within three miles of the Bonnell property.

Information related to the 100-year flood plain can be found in Section B of the Permit Application. Run-on and run-off control systems are described in Section I related to the closure design for these units. Additional information about run-off control is shown on Exhibit B-1 of the Permit Application.

Mineral Springs Branch is the stream into which Bonnell discharges its treated industrial wastewater under the firm's NPDES permit. Mineral Springs Branch and other streams within 1000 ft. of the Bonnell property are shown on Exhibit 2-4 of the Permit Application. For purposes of the NPDES permit, Mineral Springs Branch is considered a zero discharge stream.

Other unnamed ditches and streams join Mineral Springs Branch within 1000 ft. downstream of the Bonnell property. Because these streams are so small, no specific information is available about the velocities or flow rates. However, contact with the Surface Water Division of the regional office of the USGS provided a rule of thumb for average annual flow rate for streams in the vicinity of the Bonnell plant. The factor reported was 1.3 cu. ft. per second per square mile of drainage area. The drainage area of these streams was estimated at 0.28 square miles. This yields an average annual flow rate of 0.36 cu. ft. per second.

2.2.4 Air and Meteorology

There is no air monitoring system near the Bonnell property; and, therefore, no air monitoring data exist.

The net precipitation in the area of the Bonnell property is ten inches per year. This is based upon a reported 52-inch per year average annual precipitation from a National Weather Service Official Observer in Coweta County. The average lake evaporation of 42 inches in this area was reported by the National Climatic Data Center in Asheville, North Carolina.

2.2.5 Subsurface Gas

Bonnell is not aware of any sources of subsurface gas except two reported debris landfills (see SWMUs 24 and 25). Potential conduits for subsurface gas are primarily the underground sewerage system on the plant property and in the nearby community. Sewers on the plant property are shown in an exhibit in Section B of the Permit Application. Sanitary sewers near the Bonnell property are shown in Exhibit 2-6 of the Permit Application. There are no monitoring systems for subsurface gases on the Bonnell property or in its vicinity.

2.2.6 Food Chain Crops

No food chain crops are grown on or near the Bonnell property and there is no known food chain contamination due to any release from the property to the groundwater.

2.3 SITE SOILS

The unsaturated zone and the uppermost aquifer at the site include both soil profiles and deeply weathered saprolite. The shallow soil zone has undergone considerable weathering which produced a slightly sandy silt overlain by a clayey silt material at the ground surface. This residuum is generally relatively less permeable than the weathered saprolite. The amount of chemical weathering is less pronounced with increasing saprolite depth, and the material consists of a silty, sand-sized media. This effect is expected to increase both porosity and permeability as compared to the original parent rock.

The overlying residual saprolite and soils of the weathered zone, with their more granular nature, have porosities ranging from about 10 percent to 30 percent, as compared to average bedrock porosities of only 0.1 percent to 1 percent (Heth, 1980). Therefore, the saprolite has a much higher capacity to store water. The saprolite layer will store and transmit the vast majority of water moving through the groundwater flow system in areas where the saprolite is also more permeable than the underlying bedrock, as is the case at the Bonnell site.

SECTION 3
RFI REPORT FINDINGS RECAP

3.1 SWMUs ADDRESSED BY THIS PLAN

The Bonnell site currently contains 52 solid waste management units. A description of all the SWMUs and contaminants detected in each SWMU was presented in the RCRA Facility Investigation Report. This section recaps the RFI for the SWMUs requiring remediation.

The following SWMUs are addressed in this Corrective Action Plan:

SWMU 7, Accumulation Tank for Waste Solvent, and SWMU 46, Solvent Tank Farm Area;
SWMU 13, Truck Shop Pipe discharge;
SWMU 14, Truck Shop Parking area;
SWMU 16, Storage Yard Behind Maintenance Building plus Ditch and Drum Storage Area;
SWMU 17, Drum Crusher Area;
SWMU 18, Storm Sewer Drainage Ditch;
SWMU 19, Area West of Die Shop;
SWMU 23, Inactive Oil/Water Separator;
SWMU-29, Steam Cleaner Area;
SWMU 35, Sink Frame Building Area;
SWMU 42, Cooing Tower Areas;
SWMU 47, Diesel Underground Storage Tank; and
SWMU 50, F019 Spill Area.

3.2 SWMU 7, ACCUMULATION TANK FOR WASTE SOLVENT; AND SWMU 46, SOLVENT TANK FARM AREA;

The waste solvents accumulation tank (SWMU 7) has a capacity of 5000 gallons. It has been used to accumulate spent solvents generated from the paint line cleaning processes since 1970. The tank system has had secondary containment since 1989. It is emptied more often than every 90 days by a licensed hazardous waste transportation company.

The solvent tank farm (SWMU 46) consists of one 5000 gallon tank used to store virgin xylene. This tank was previously used to store virgin toluene. A release of approximately 1000 pounds of virgin toluene occurred from this tank in July 1990.

Solvent contamination from these SWMUs was discovered during previous groundwater monitoring. A low point collector was installed in 1990 downgradient of this area to capture groundwater for treatment.

Xylene and toluene are the constituents of concern at SWMU 46. Xylene, naphthalene, trimethylbenzene, and other paint solvents are constituents of concern at SWMU 7. Figures SWMU-7/46A, 7/46B, 7/46C, and 7/46D present a plan view of the SWMU along with RFI sampling results.

3.3 SWMU 13, TRUCK SHOP PIPE DISCHARGE

The truck shop pipe discharge is an approximately 50 x 50 foot area that received supernatant discharge from the oil/water separator for 15 years. The constituents of concern at this SWMU are waste oils and volatile organic compounds (VOCs). Surface and subsurface soil samples were

collected at several locations around the pipe discharge. Low levels of toluene were found in three samples. Figure SWMU 13 presents a plan view of the SWMU along with RFI sampling results.

3.4. SWMU 14. TRUCK SHOP PARKING AREA

The truck shop parking area is an unpaved, three-acre area surrounded by a chain link fence. An oil-water mixture was sprayed on this area for dust control from 1975 to 1987. The constituents of concern at this SWMU are petroleum hydrocarbons. Surface soil samples were collected at ten locations throughout the parking area. Elevated TPH concentrations were found in several locations but no VOCs were detected in any of the samples. Figure SWMU 14 presents a plan view of the SWMU along with RFI sampling results.

3.5 SWMU 16, STORAGE YARD BEHIND MAINTENANCE BUILDING PLUS DITCH AND DRUM STORAGE AREA; AND SWMU 17, DRUM CRUSHER AREA

The storage yard (SWMU 16) is approximately two acres in size and is used for storing metal parts and equipment. A 20 foot by 50 foot area of the storage yard is used for storing empty drums. A small ditch drains surface water run off generated in this area toward Mineral Springs Branch. The drum crusher area (SWMU 17) is used to compact drums that are not reused. Chromium, fluorine, TPH, nickel, and pH are the constituents of concern at SWMU 16. The constituents of concern at SWMU 17 include solvents, caustics, acids, and nickel. Sediment samples were collected from the ditch along with soil samples and soil vapor samples from the storage yard and around the drum crusher. The ditch samples contained elevated levels of TPH and two VOCs. Elevated TPH levels were found in samples collected from the rear of the storage yard. TPH, 1,1,1-trichloroethane,

chromium, and lead were found in a sample collected from the north side of the drum crusher. Figures SWMU 16/17A and SWMU 16/17B show the sample locations and concentrations.

3.6 SWMU 18, STORM SEWER SYSTEM

SWMU 18 consists of an open ditch that receives storm water. The ditch is approximately 1300 feet long and several feet wide. Prior to 1970, the ditch received oily waters from the plant in addition to storm water. This drainage ditch now receives effluent from the storm drains from the plant and the catch basins located in the employee parking area, runoff from the steam cleaner area, and groundwater along the southeastern side of the drainage ditch. The Groundwater Corrective Action Plan, which was approved in September 1993, showed that the ditch also gains water along its route from the Hillside spring down to about the location of wells 12S and 12D.

The constituents of concern for SWMU 18 are solvents, acids, and caustics. Figures SWMU 18 and SWMU 18A present a plan view of the SWMU along with RFI sampling results.

3.7 SWMU 19, AREA WEST OF DIE SHOP

SWMU 19 consists of an approximate 80 foot by 20 foot area of open ground. This area received discarded metal filings and cutting oils from the die cutting shop. The constituents of concern at this SWMU include petroleum hydrocarbons and permit metals. Soil samples were collected from three locations along the impacted area and at three depths. The highest levels of TPH, VOCs, and metals identified in samples collected from this area were found in the shallower sample depths. Figure SWMU 19 presents a plan view of the SWMU along with RFI sampling results.

3.8 SWMU 23, INACTIVE OIL/WATER SEPARATOR

The inactive oil/water separator consisted of a small basin designed to remove hydraulic oils from the storm water ditch that runs along the south side of the former polishing pond. The unit operated from approximately 1972 to approximately 1985. Petroleum hydrocarbons and solvents are the constituents of concern at this SWMU. Shallow soil samples and soil vapors were collected from this area and tested for VOCs. Elevated levels of TPH were detected in several samples collected around this SWMU, and one sample contained a low concentration of cis 1,2-dichloroethane. Figure SWMU 23 presents a plan view of the SWMU along with RFI sampling results.

3.9 SWMU 29, STEAM CLEANER AREA

SWMU 29 consists of a concrete pad approximately 50 by 30 feet in size where machinery and mobile equipment are cleaned, and the drainage ditch down the hill from the pad. The constituents of concern at the steam cleaner area are TPH and VOCs. Surface, subsurface, and soil vapor samples were collected from locations in the ditch and by the pad. Elevated TPH concentrations were detected in several samples, and low levels of VOCs were found in three samples. The sample locations where the VOCs were detected are in ditch area. Figure SWMU 29 presents a plan view of the SWMU along with RFI sampling results.

3.10 SWMU 35, SINK FRAME BUILDING AREA

The sink frame building was the original aluminum extrusion plant and was used for both the fabrication and painting processes. The constituents of concern at this SWMU are metals, VOCs, caustics, and acids. Surface, subsurface, and vapor samples were collected from locations around the

sink frame building. Several aromatic hydrocarbons at low concentrations were detected in samples collected from the Fair Street side of the building. Figure SWMU 35 presents a plan view of the SWMU along with RFI sampling results.

3.11 SWMU 42, COOLING TOWER AREAS

SWMU 42 consists of six areas, each approximately 15 by 25 feet in size that may have received spills from the cooling towers. Metals are the constituents of concern at SWMU 42. A composite soil sample was collected downgradient of each of the cooling towers. Three samples collected exhibited elevated levels of permit metals. Figure SWMU 42 presents a plan view of the SWMU along with RFI sampling results.

3.12 SWMU 47, DIESEL UNDERGROUND STORAGE TANK

SWMU 47 is a 10,000 gallon underground storage tank used to store diesel fuel. The constituents of concern are diesel fuel. Subsurface soil samples were collected from both ends of the tank and tested for BTEX and TPH. Elevated levels of TPH were detected in the samples collected from the southern end of the tank. Figure SWMU 47 presents a plan view of the SWMU along with RFI sampling results.

3.13 SWMU 50, FO19 SPILL AREA

SWMU 50 is located within the boundary of SWMU 1 and consists of spilled chromium hydroxide sludge. Chromium, and in particular hexavalent chromium, is the constituent of concern at SWMU 50.

SECTION 4
CORRECTIVE ACTION

4.1 SWMUs INCLUDED IN THIS CORRECTIVE ACTION PLAN

This Corrective Action Plan deals fourteen of the fifteen SWMUs to be remediated as required by EPD's June 14, 1995, letter. As stated earlier in this CAP, SWMU 49, Former Degreaser Area, was covered by a separate CAP incorporated into Bonnell's Post Closure Care Permit on July 19, 1995.

4.2 CORRECTIVE ACTION PLAN OBJECTIVES

In addition to the remediation objectives stated in 40 CFR 264.100, this Corrective Action Plan was developed based on the following objectives:

1. Only proven technologies and will be considered for proposed remediation methodologies.

2. The remediation objective at the point of compliance will be achieved in the shortest reasonable period of time.

4. Other relevant environmental standards and permits will be complied with.

5. The environment as a whole will be considered when proposing remediation methodologies.

4.3 CORRECTIVE ACTION METHODOLOGIES

There are several methodologies available for remediation of the SWMUs at Bonnell. A brief description of those methods that are appropriate to the site follows.

4.3.1 Bioremediation

Bioremediation is a process of adding nutrients and water to a contaminated area to aid bacteria in degrading the contamination to below background concentrations. The bacteria may also have to be introduced into the area. Discing is in order to reach lower level soils is usually required. Air injection may also be required.

Bioremediation works well in open areas where farm equipment can maneuver and where site access can be restricted. It is usually a labor intensive operation and takes a long time to complete. It also requires use of other resources that may degrade the atmosphere, and causes long term use of fossil fuels to operate equipment.

Bioremediation was ruled out at the Bonnell site for several reasons. The Bonnell site is an active industrial operation. In order to conduct business, the site must be kept active and operable. Bioremediation would preclude this on most of the SWMUs. Bioremediation works well in large areas. However, when there is a small area here and a small area there, it becomes an unmanageable form of treatment. It would require more effort to achieve remediation to the clean up standards than is feasible. Bioremediation would require more burden on the overall environment due to production of fertilizers, operation of air injection equipment, and other resources than any benefit gained by the bioremediation process.

Bioremediation is not feasible in an area such as the "Hillside Area." This area is on a slope and would be almost impossible to bioremediate using readily available standard equipment and methods.

4.3.2 Excavation and Placement in a Class C Landfill

Excavation of the soils and placement in a Class C Landfill would involve mechanical excavation of the soils, trucking the soils to a Class C Landfill, and eventually covering the soils. There are several such landfills in the Atlanta area.

A Class C Landfill would have a bottom liner and monitoring program in place. This is a plus for this method of remediation. In addition, the landfill would be capped with a cover similar to the bottom liner.

This methodology would require trucking large quantities of material through the Atlanta non-attainment area. Bonnell considers this to be an unnecessary burden on the non-attainment area, and does not consider the method to be protective of the environment as a whole. Therefore, the method is not considered a viable alternative for the Bonnell site.

4.3.3 Excavation and Placement in a Bonnell's Approved CAMU

In the July 19, 1995, amendment to Bonnell's Post Closure Care Permit, the Surface Impoundment Closure Area was designated a Corrective Action Management Unit (CAMU). The purpose of a CAMU is to allow consolidation of contaminated media into one or more concise areas at a site. Excavation of the soils and placement in Bonnell's CAMU would involve mechanical excavation of

the soils, trucking the soils to the CAMU, and eventually covering the soils with six inches of clay material, the HDPE cap system, and an additional two feet of soil.

Bonnell considers this the method that is most protective of human health and the environment. Although the Surface Impoundment Closure does not have a bottom liner, it does have a groundwater monitoring system. This groundwater monitoring system will be effective in determining if anything leaches from the closure. However, Bonnell submits the solidified polishing pond material has so much lime kiln dust added that it is, for all practical purposes, compacted soil cement. The binder material is very fine, resulting in a very low permeability on the order of 10^{-7} cm/sec. It is not like concrete, but is a very compacted, homogeneous material. since it is approximately 30 feet thick, this layer provides more than adequate protection of any leaching of contaminates that might possible occur from the material. The SWMU soils were mixed with materials that would provide for stabilization and solidification. Therefore, contaminates will not leach from the Closure. The HDPE cap has a permeability of approximately 4.5×10^{-10} cm/sec, and will serve its purpose of preventing water from passing through the waste layer. The HELP model demonstrates this. A copy of the HELP model results will be provided to EPD with closure certification.

4.3.4 Existing Cap Already In Place

If a contaminated material is below an existing cap and human health and the environment is protected, then the criteria of this CAP as well as 40 CFR 264.100 are met. Bonnell considers this to be a viable alternative in an area capped with concrete where the contaminates are not mobile and are not organic.

4.4 REMEDIATION OF SWMUs 13, 14, 16, 17,18, 19, 23, 29, 35, AND 50

In July and August, the soils excavated from the following SWMUs were placed in Bonnell's CAMU:

SWMU-50	SWMU-13	SWMU-14	SWMU-16	SWMU-17
SWMU-18	SWMU-19	SWMU-23	SWMU-29	SWMU-35

After excavation, samples were collected from the bottom and side walls of each whole on a 100 square foot grid basis. The samples were analyzed for the constituents of concern at each SWMU. The constituent of concern, the range detected during the RFI, and the cleanup level for each constituent is listed in Table 4-1. If the sample results were above the cleanup level, additional soil was excavated until the level was below the cleanup level. Sample results are included in Appendix A.

Volumes of excavated soils, by SWMU, are listed in Table 4-2. In addition, the excavation limits, depths, and volume in cubic feet is show on the respective drawing for each SWMU on Figures SWMU 14, 16, 17, 18, 19, 23, 29, 35, and 50. The total excavation volume (i.e., the volume placed in the CAMU) was approximately 3000 cubic yards. Soils were excavated using a track hoe and back hoe. The soils were loaded into dump trucks and hauled to the CAMU for placement and compaction. Samples were collected using the protocol in the EPD approved RFI Workplan. Samples were analyzed for the constituent(s) of concern using the sampling methodology established in the EPD approved RFI Workplan for each constituent. If additional excavation was conducted due to a particular constituent (e.g., chromium), samples collected after the additional excavation were analyzed only for the particular constituent(s), but were not analyzed for any other constituents.

In a letter dated June 12, 1995, EPD approved Bonnell's Temporary Authorization Request to place the soils from these SWMUs into Bonnell's CAMU. The request was contained in Bonnell's June

15, 1995, letter to EPD. Additional information for the request was contained in Bonnell's July 5, 1995, letter. Copies of these letters are enclosed in Appendix B.

4.5 REMEDIATION OF SWMU 42

SWMU 42 consists of six areas, each approximately 15 by 25 feet in size that may have received spills from the cooling towers. Metals are the constituents of concern at SWMU 42. As was stated in Section 4.3.4, Existing Cap Already In Place, if a contaminated material is below an existing cap and human health and the environment is protected, then the criteria of this CAP as well as 40 CFR 264.100 are met. Bonnell considers this to be a viable alternative in an area capped with concrete where the contaminates are not mobile and are not organic. Since there can be no contact between humans and the soil, and, since the metals are not mobile and will not migrate, Bonnell considers the SWMU remediation complete. Therefore, no further action has been taken on SWMU 42. Further action (e.g.; cutting or breaking up the concrete, digging up the soils, transporting the soils and concrete to a landfill, landfill operations) would cause more harm to human health and the environment than the small amount of metals in the soil covered with concrete would ever cause.

4.6 REMEDIATION OF SWMU 47

SWMU 47 will be remediated by closing the diesel underground storage tank (UST). The tank closure will be conducted according to EPD's UST rules, including notification.

4.7 REMEDIATION OF SWMUs 7 AND 46

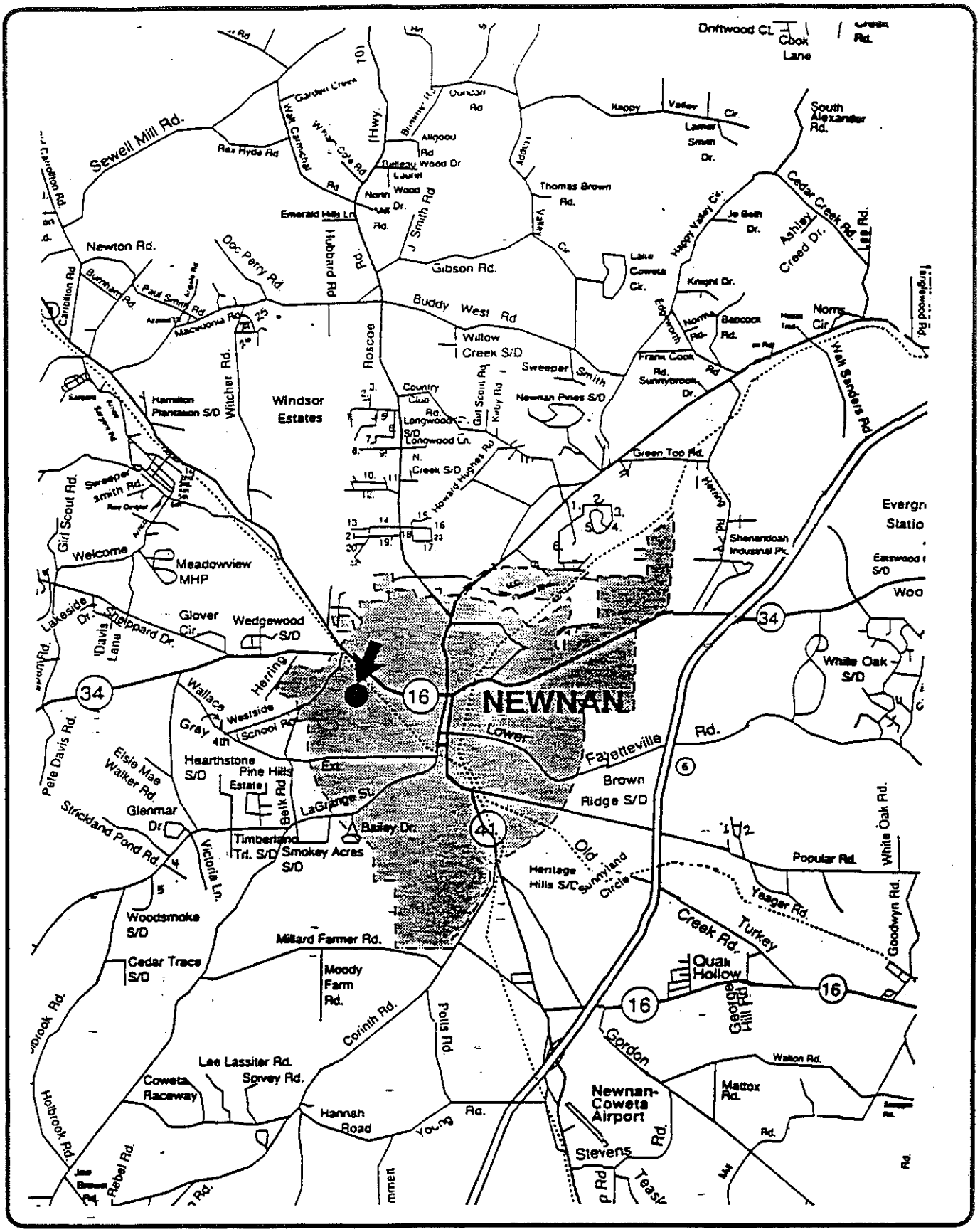
SWMU 49 is being remediated by an existing vapor extraction system. SWMUs 7 and 46 will be remediated by a similar system. The exact location of the system will be developed by developing a workplan, designing the system, and installing the necessary extraction probes and treatment system for the VOCs. The workplan and design will be submitted to EPD for approval prior to execution.

TABLE 4-1: DETECTED CONSTITUENTS IN SWMUSs

SWMU No.	SWMU NAME	CONSTITUENT	RANGE DETECTED	UNITS	CLEANUP LEVEL
13	Truck Shop Pipe Discharge	toluene	9 - 24	mg/kg	DL
14	Truck Shop Parking	TPH	810 - 2180	mg/kg	500
16	Storage Yard Ditch	chloroform (1)	2.0 - 8.0	mg/kg	DL
		1,1-dichloroethane (1)	5	mg/kg	DL
		1,1,1-trichloroethane (1)	4 - 37	mg/kg	DL
		TPH (1)	890 - 3000	mg/kg	500
		1,1,1-trichloroethane (2)	4 - 7	micro g/kg	DL
		TPH (2)	1.5 - 3.5	micro g/kg	DL
		chloroform (2)	2 - 8	micro g/kg	DL
17	Drum Chrusher Area	TPH	1800	mg/kg	500
		chromium	130	mg/kg	73
		1,1,1-trichloroethane	19	mg/kg	DL
		lead	4	mg/kg	45
19	Area West of Die Shop	TPH	525 - 560	mg/kg	500
		chromium	83 - 1600	mg/kg	73
		methylene chloride	130 - 260	mg/kg	DL
		cadmium	1.1 - 1.4	mg/kg	1
		nickel	97 - 110	mg/kg	66
23	Inactive Oil/Water Sep.	TPH	660 - 1140	mg/kg	500
		cis-1,2-dichloroethane	22	mg/kg	DL
		Oil & Grease (3)	6	mg/L	DL
29	Steam Cleaner Area	TPH	500 - 1840	mg/kg	500
		cis-1,2-dichloroethane	10 - 25	micro g/kg	DL
		toluene	12	micro g/kg	DL
35	Sink Frame Bldg.	lead	110	mg/kg	45
		toluene	5 - 39	micro g/kg	DL
		xylenes, total	5 - 21	micro g/kg	DL
		ethylbenzene	5	micro g/kg	DL
42	Cooling Towers	chromium	140	mg/kg	73
		lead	83 - 460	mg/kg	45
		cadmium	3 - 14	mg/kg	1
50	F019 Spill Area	chromium	1600	mg/kg	73

TABLE 4-2: EXCAVATED VOLUMES BY SWMU

SWMU No.	SWMU NAME	SAMPLE NUMBERS	VOLUME OF SOIL EXCAVATED IN CU. FT.	VOLUME OF SOIL EXCAVATED IN CU. YDS.
13	Truck Shop Pipe Discharge	SO13-1-1 & SO13-1-2	2,250	83
14	Truck Shop Parking Area	SO-14-4, SO-14-6, SO-14-7, & SO-14-8	500	19
16	Storage Yard Behind Maint. Bldg. & Ditch	SO-16-1 through SO-16-8	9,640	357
17	Drum Crusher Area	SO-17-2	1,804	67
18	Storm Sewer System	SO-18-A through SO-18-J	42,156	1,561
19	Fabrication Building Discharge	SO-19-1, SO-19-2, & SO-19-3	3,149	117
23	Inactive O/W Separator	SO-23-1 through SO-23-9 & repeats	14,001	519
29	Steam Cleaner Area	SO-29-5, SO-29-6, SO-29-7	4,939	183
35	Sink Frame Building Area	SO-35-1-1 through SO-35-1-4 & SO-35-2, SO-35-3, & SO-35-5	3,732	138
50	FO19 Spill Area	SO-50-8	250	9
TOTAL			82,421	3,053



emcon SOUTHEAST

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PROJECT NO. 2040.022.94

FIGURE #1
THE WILLIAM L. BONNELL COMPANY
RCRA FACILITY INVESTIGATION
NEWNAN, GEORGIA

SITE LOCATION DIAGRAM

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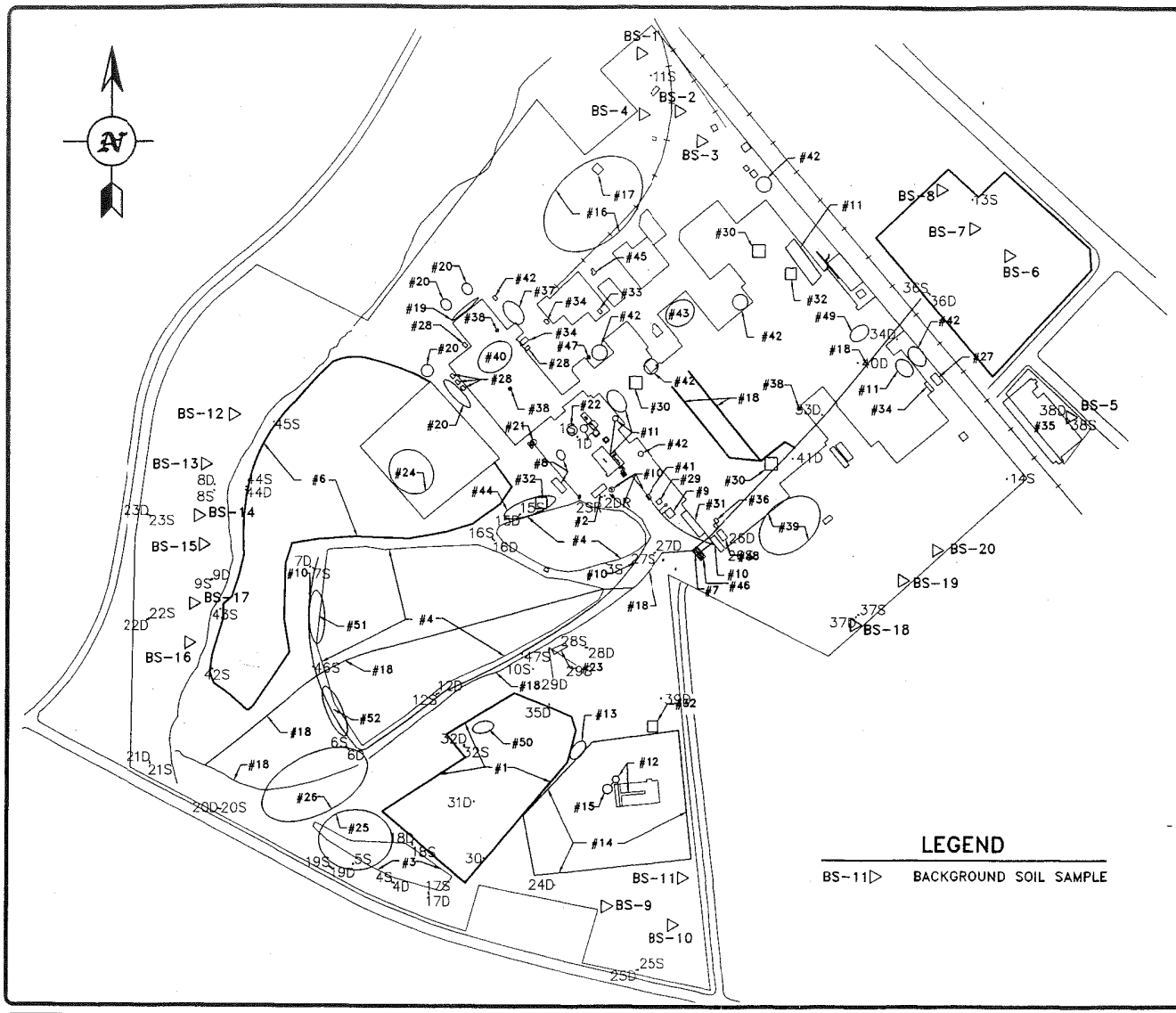

SWMU No.	RELEASE No.	UNIT NAME
1		CALCIUM ALUMINATE LANDFILL
2	R-17	CHROMIUM HYDROXIDE SAND DRYING BEDS
3		CHROMIUM HYDROXIDE LANDFILL
4		(SETTLING POND & POLISHING POND) SURFACE IMPOUNDMENT
5		NOT USED (RESERVED)
6		ALUMINUM HYDROXIDE SLUDGE-SOIL MIXING AREA
7		ACCUMULATION TANK WASTE SOLVENT
8		TEMPORARY F019 DRUM AND ROLL-OFF CONTAINER STORAGE AREA
9		ROLL-OFF CONTAINER STORAGE AREA, CROH SLUDGE TANK, AND CROH FILTER PRESS
10		PAINTLINE WASTEWATER TREATMENT SYSTEM & ALL PIPING
11		ANODIZING WASTEWATER TREATMENT SYSTEM & PIPING UPSTREAM OF SETTLING POND
12		TRUCK SHOP SUMP PLUS PIPING AND TRENCH
13	R-18	TRUCK SHOP PIPE DISCHARGE
14	R-13	TRUCK SHOP PARKING AREA
15	R-19	AREA UNDER TRUCK SHOP OIL/WATER SEPARATOR
16		STORAGE YARD BEHIND MAINTENANCE PLUS DITCH AND DRUM STORAGE
17	R-20	DRUM CRUSHER AREA
18	R-3	STORM SEWER SYSTEM THAT CONDUCTED HYDRAULIC OIL, ACIDS, CAUSTICS, SOLVENTS INCLUDING DITCHES
19	R-4	AREA WEST OF DIE SHOP
20	R-5	DISCHARGE AREAS FROM FABRICATION BUILDING
21	R-6	FORMER OIL/WATER SEPERATOR NEAR FABRICATION BUILDING
22		ACTIVE OIL/WATER SEPARATOR
23		INACTIVE OIL/WATER SEPARATOR
24		REPORTED TRASH DUMP (SHOWN ON 1966 TOPO)
25		REPORTED TRASH DUMP NEAR CHROMIUM HYDROXIDE LANDFILL
26		DEMOLITION/CONSTRUCTION DEBRIS DISPOSAL AREA
27	R-22	ACID SPILL AREA NEAR PHOSPHORIC ACID STORAGE
28	R-7	SCRUBBERS SERVING FABRICATION BLDG.
29	R-8	STEAM CLEANER AREA
30		BATTERY RECHARGE STATIONS
31	R-9	PAINTLINE SPILL AREA
32		OLD MELTER BURIAL AREAS (3 AREAS) -CASTING OFFICES -WEST OF SETTLING POND -NEAR TRUCK SHOP
33		FORK LIFT SHOP OIL SUMP
34		EXTERIOR TRASH CONTAINERS(3)
35		SINK FRAME BUILDING AREA
36		SUMPS BELOW PAINT BOOTHS
37	R-10	FABRICATION BUILDING COOLING TOWER DISCHARGE DITCH
38	R-11	DISCHARGE AREAS FROM SINKS NOT CONNECTED TO SANITARY OR PROCESS SEWERS
39	R-12	FORMER EMPLOYEE PARKING LOT
40	R-14	BUFFING DUST AREA IN FABRICATION BUILDING
41		PAINT HOOK BURN-OFF OVEN
42	R-15	COOLING TOWER AREAS (6 AREAS)
43	R-22	FORMER DIE SHOP EXTERIOR WASTE OIL/SOLVENT AREA
44		CHROMIUM HYDROXIDE SANDBEDS CLOSURE STOCKPILE AREA
45	R-23	CONTAINER CLEANER UNIT
46	R-1	SOLVENT TANK FARM
47	R-2	UNDERGROUND STORAGE TANK
48	R-16	PAINTLINE PIT
49	R-3	PCE DEGREASING UNIT
50	R-24	F019 SPILL AREA
51		OIL CHANGING AREA
52		PIPE DISPOSAL AREA

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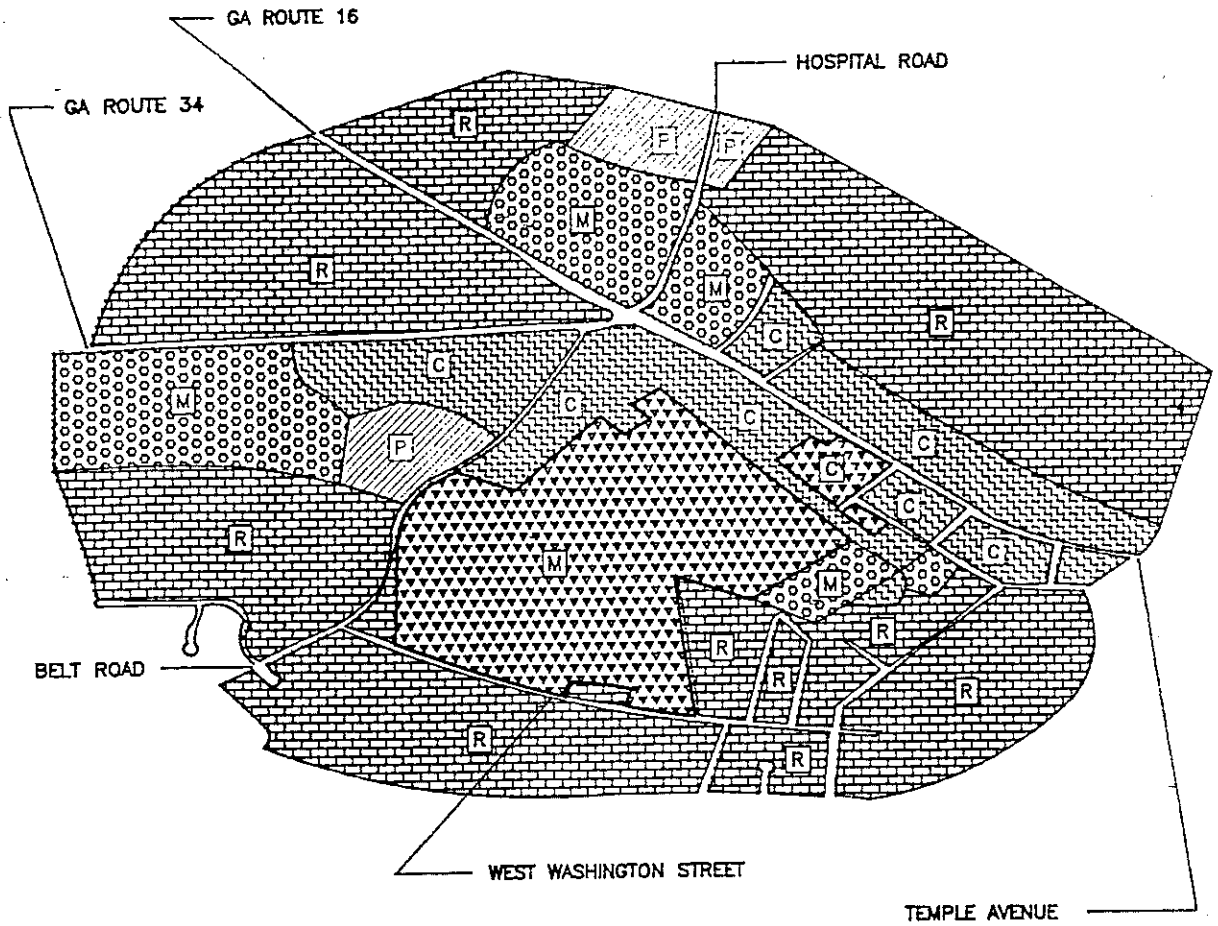
300 150 0 300 600
SCALE IN FEET

THE WILLIAM L. BONNELL COMPANY
RCRA FACILITY INVESTIGATION
NEWNAN, GEORGIA

SWMU LOCATION DIAGRAM

FIGURE NO. 2

PROJECT NO. 2040.022.94



DATA SOURCE: CITY OF NEWNAN ZONING MAP; JULY 1989.
NOT TO SCALE

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REVIS. _____
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FIGURE #3
THE WILLIAM L. BONNELL COMPANY
PART B PERMIT APPLICATION
NEWNAN, GEORGIA

LAND USE MAP

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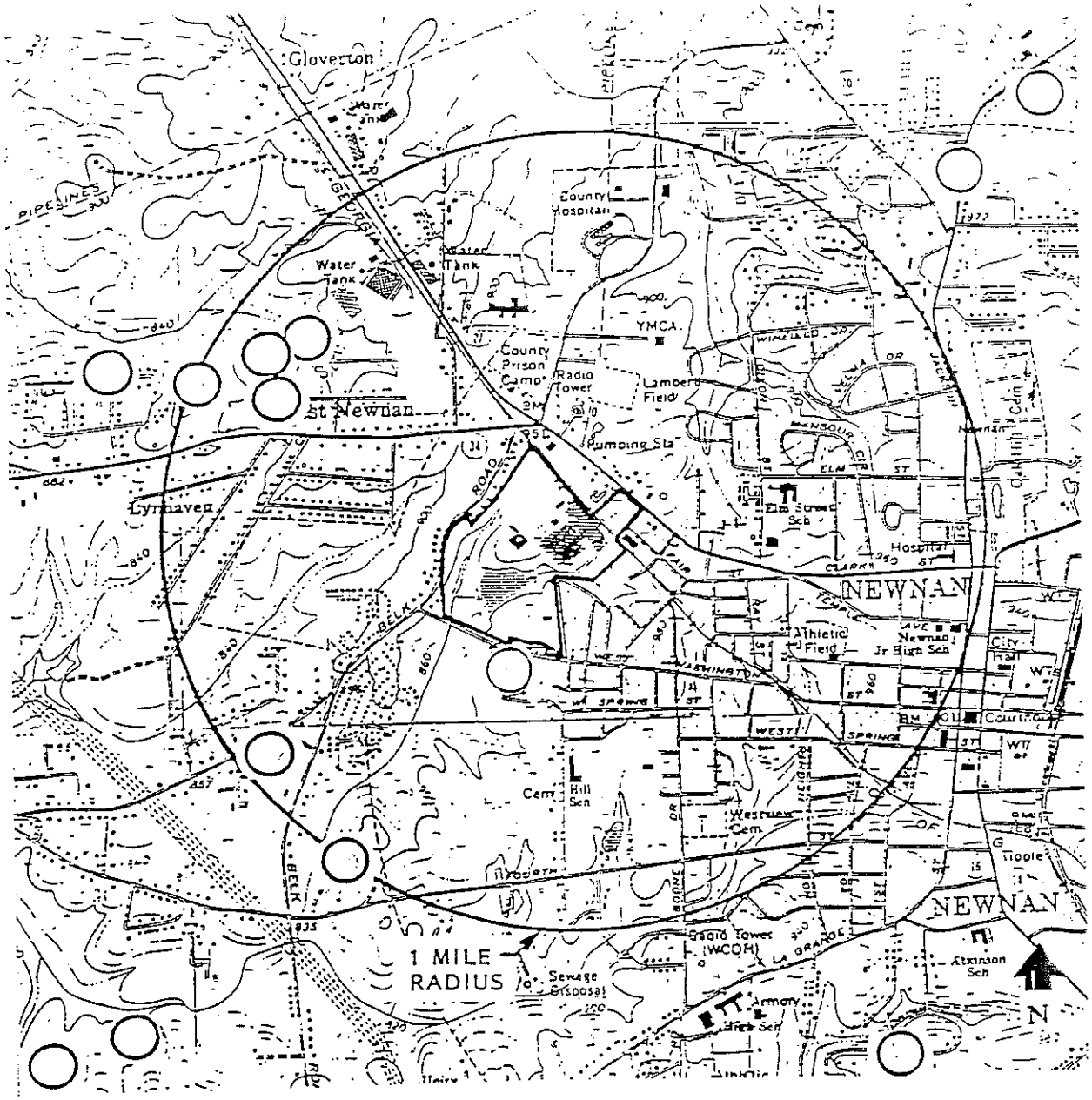

LEGEND

○ WELL LOCATION

DATA SOURCE: U.S.G.S. 7.5 MINUTE QUADRANGLE TOPOGRAPHIC MAP OF NEWNAN SOUTH, GEORGIA AND NEWNAN NORTH, GEORGIA. AERIAL PHOTOGRAPHS TAKEN 1962. PHOTOREVISED 1982.

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FIGURE #4
THE WILLIAM L. BONNELL COMPANY
PART B PERMIT APPLICATION
NEWNAN, GEORGIA

OFF-SITE WATER SUPPLY WELL LOCATION MAP

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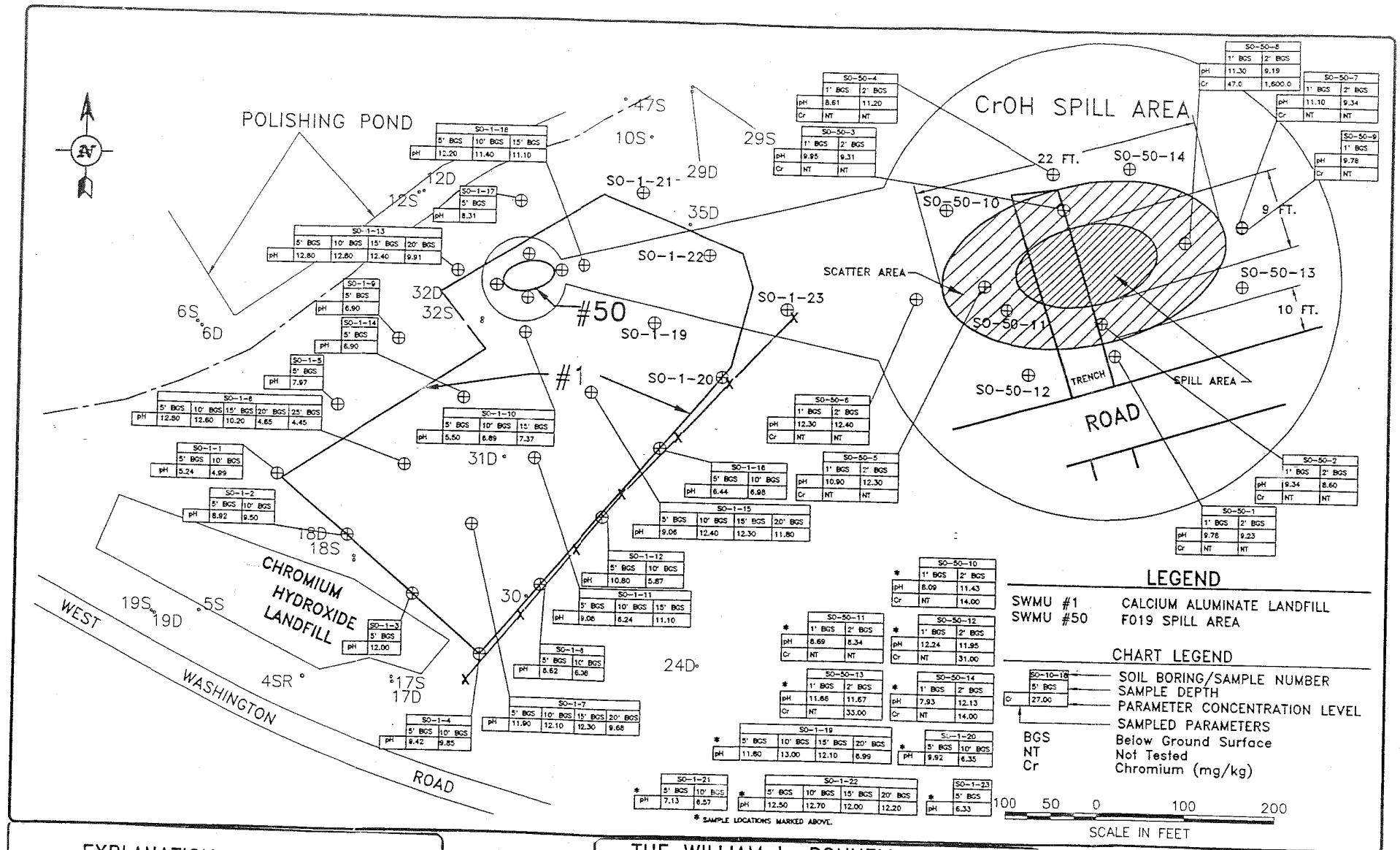


EXPLANATION

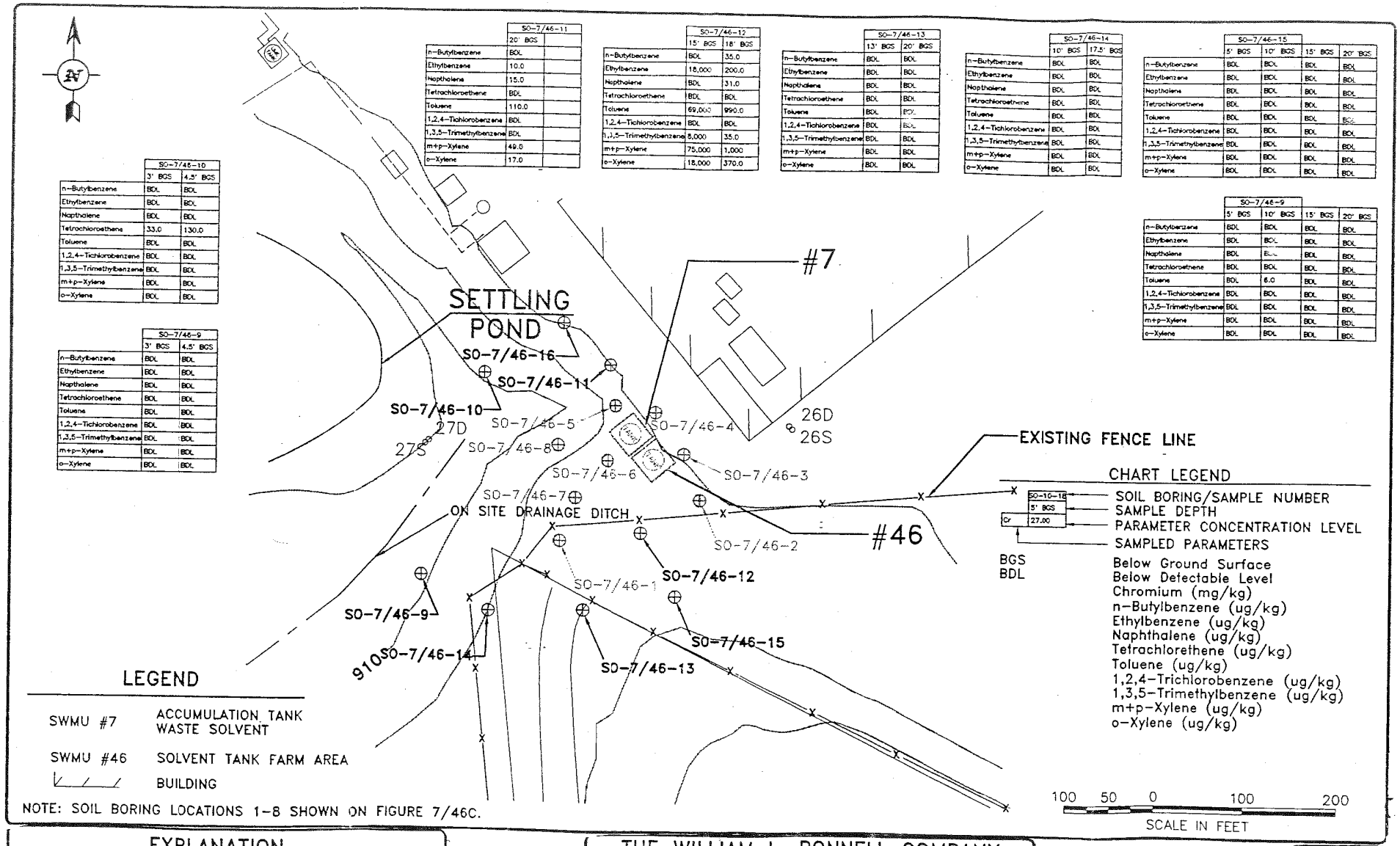
⊕ SOIL BORING LOCATION

THE WILLIAM L. BONNELL COMPANY

SWMU CORRECTIVE ACTION PLAN

SAMPLE LOCATIONS FOR SWMU #1 AND #50

FIGURE NO.
SWMU#
1/50



	SO-7/46-10	
	3' BGS	4.5' BGS
n-Butylbenzene	BDL	BDL
Ethylbenzene	BDL	BDL
Napthalene	BDL	BDL
Tetrachloroethene	33.0	130.0
Toluene	BDL	BDL
1,2,4-Tichlorobenzene	BDL	BDL
1,3,5-Trimethylbenzene	BDL	BDL
m+p-Xylene	BDL	BDL
o-Xylene	BDL	BDL

	SO-7/46-9	
	3' BGS	4.5' BGS
n-Butylbenzene	BDL	BDL
Ethylbenzene	BDL	BDL
Napthalene	BDL	BDL
Tetrachloroethene	BDL	BDL
Toluene	BDL	BDL
1,2,4-Tichlorobenzene	BDL	BDL
1,3,5-Trimethylbenzene	BDL	BDL
m+p-Xylene	BDL	BDL
o-Xylene	BDL	BDL

	SO-7/46-11	
	20' BGS	
n-Butylbenzene	BDL	
Ethylbenzene	10.0	
Napthalene	15.0	
Tetrachloroethene	BDL	
Toluene	110.0	
1,2,4-Tichlorobenzene	BDL	
1,3,5-Trimethylbenzene	BDL	
m+p-Xylene	49.0	
o-Xylene	17.0	

	SO-7/46-12	
	15' BGS	18' BGS
n-Butylbenzene	BDL	35.0
Ethylbenzene	18,000	200.0
Napthalene	BDL	31.0
Tetrachloroethene	BDL	BDL
Toluene	69,000	990.0
1,2,4-Tichlorobenzene	BDL	BDL
1,3,5-Trimethylbenzene	8,000	35.0
m+p-Xylene	75,000	1,000
o-Xylene	18,000	370.0

	SO-7/46-13	
	13' BGS	20' BGS
n-Butylbenzene	BDL	BDL
Ethylbenzene	BDL	BDL
Napthalene	BDL	BDL
Tetrachloroethene	BDL	BDL
Toluene	BDL	BDL
1,2,4-Tichlorobenzene	BDL	BDL
1,3,5-Trimethylbenzene	BDL	BDL
m+p-Xylene	BDL	BDL
o-Xylene	BDL	BDL

	SO-7/46-14	
	10' BGS	17.5' BGS
n-Butylbenzene	BDL	BDL
Ethylbenzene	BDL	BDL
Napthalene	BDL	BDL
Tetrachloroethene	BDL	BDL
Toluene	BDL	BDL
1,2,4-Tichlorobenzene	BDL	BDL
1,3,5-Trimethylbenzene	BDL	BDL
m+p-Xylene	BDL	BDL
o-Xylene	BDL	BDL

	SO-7/46-15			
	5' BGS	10' BGS	15' BGS	20' BGS
n-Butylbenzene	BDL	BDL	BDL	BDL
Ethylbenzene	BDL	BDL	BDL	BDL
Napthalene	BDL	BDL	BDL	BDL
Tetrachloroethene	BDL	BDL	BDL	BDL
Toluene	BDL	BDL	BDL	BDL
1,2,4-Tichlorobenzene	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	BDL	BDL	BDL	BDL
m+p-Xylene	BDL	BDL	BDL	BDL
o-Xylene	BDL	BDL	BDL	BDL

	SO-7/46-9			
	5' BGS	10' BGS	15' BGS	20' BGS
n-Butylbenzene	BDL	BDL	BDL	BDL
Ethylbenzene	BDL	BDL	BDL	BDL
Napthalene	BDL	BDL	BDL	BDL
Tetrachloroethene	BDL	BDL	BDL	BDL
Toluene	BDL	6.0	BDL	BDL
1,2,4-Tichlorobenzene	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	BDL	BDL	BDL	BDL
m+p-Xylene	BDL	BDL	BDL	BDL
o-Xylene	BDL	BDL	BDL	BDL

CHART LEGEND

SO-10-18	SOIL BORING/SAMPLE NUMBER
5' BGS	SAMPLE DEPTH
Cr 27.00	PARAMETER CONCENTRATION LEVEL
	SAMPLED PARAMETERS

BGS Below Ground Surface
BDL Below Defectable Level
Chromium (mg/kg)
n-Butylbenzene (ug/kg)
Ethylbenzene (ug/kg)
Naphthalene (ug/kg)
Tetrachlorethene (ug/kg)
Toluene (ug/kg)
1,2,4-Trichlorobenzene (ug/kg)
1,3,5-Trimethylbenzene (ug/kg)
m+p-Xylene (ug/kg)
o-Xylene (ug/kg)

LEGEND

SWMU #7 ACCUMULATION TANK WASTE SOLVENT

SWMU #46 SOLVENT TANK FARM AREA

BUILDING

NOTE: SOIL BORING LOCATIONS 1-8 SHOWN ON FIGURE 7/46C.

EXPLANATION

⊕ SOIL BORING LOCATION

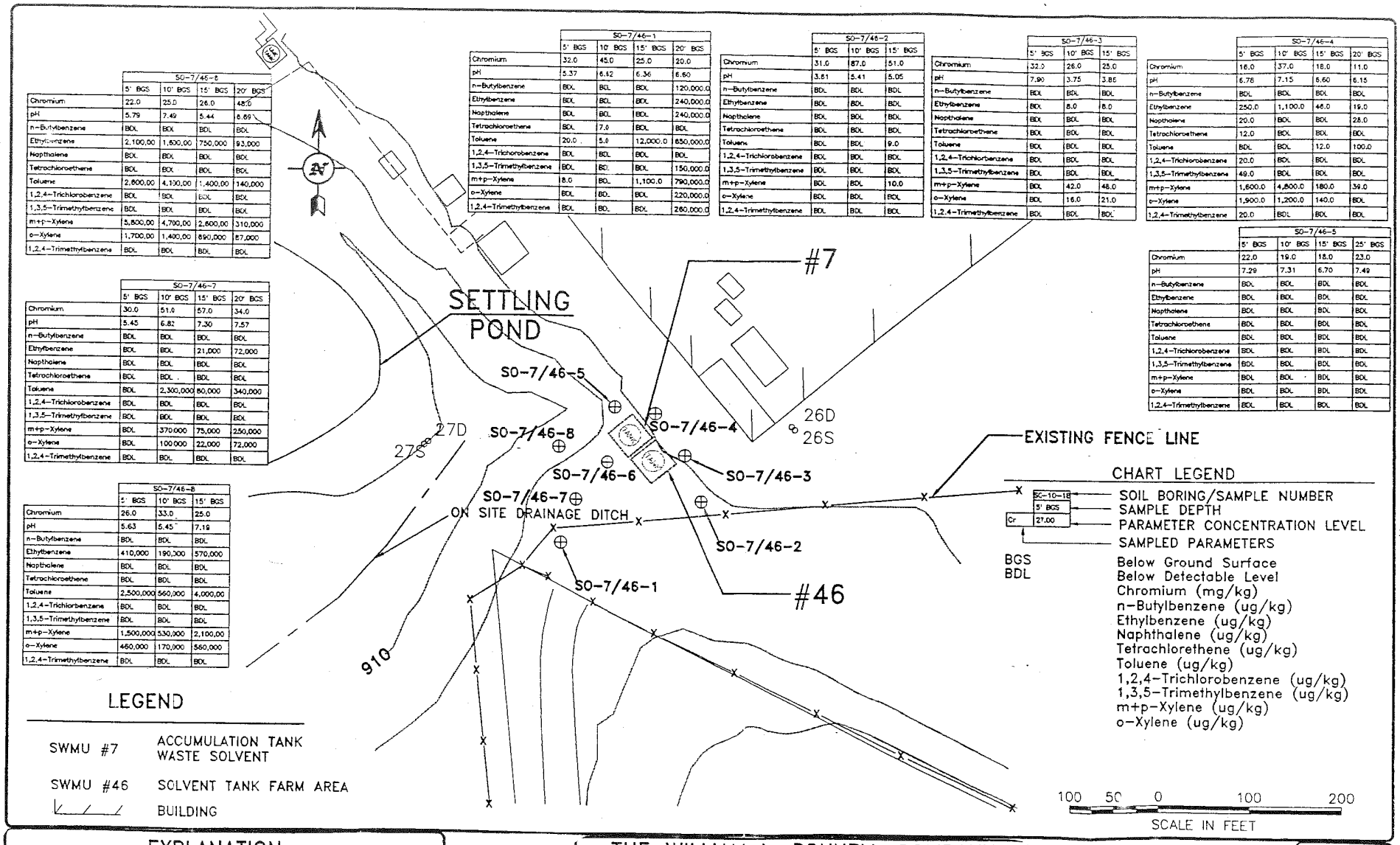
THE WILLIAM L. BONNELL COMPANY

SWMU CORRECTIVE ACTION PLAN

SAMPLE LOCATIONS FOR SWMU #7 AND #46

FIGURE NO.
SWMU#
7/46D

PROJECT NO.
2040.022.94



	SO-7/46-1			
	5' BGS	10' BGS	15' BGS	20' BGS
Chromium	32.0	45.0	25.0	20.0
pH	5.37	6.42	6.36	6.60
n-Butylbenzene	BDL	BDL	BDL	120,000.0
Ethylbenzene	BDL	BDL	BDL	240,000.0
Napthalene	BDL	BDL	BDL	240,000.0
Tetrachloroethene	BDL	7.0	BDL	BDL
Toluene	20.0	5.0	12,000.0	650,000.0
1,2,4-Trichorobenzene	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	BDL	BDL	BDL	150,000.0
m+p-Xylene	8.0	BDL	1,100.0	790,000.0
o-Xylene	BDL	BDL	BDL	220,000.0
1,2,4-Trimethylbenzene	BDL	BDL	BDL	260,000.0

	SO-7/46-2		
	5' BGS	10' BGS	15' BGS
Chromium	31.0	87.0	51.0
pH	3.61	5.41	5.05
n-Butylbenzene	BDL	BDL	BDL
Ethylbenzene	BDL	BDL	BDL
Napthalene	BDL	BDL	BDL
Tetrachloroethene	BDL	BDL	BDL
Toluene	BDL	BDL	9.0
1,2,4-Trichlorobenzene	BDL	BDL	BDL
1,3,5-Trimethylbenzene	BDL	BDL	BDL
m+p-Xylene	BDL	BDL	10.0
o-Xylene	BDL	BDL	BDL
1,2,4-Trimethylbenzene	BDL	BDL	BDL

	SO-7/46-3		
	5' BGS	10' BGS	15' BGS
Chromium	32.0	26.0	25.0
pH	7.90	3.75	3.85
n-Butylbenzene	BDL	BDL	BDL
Ethylbenzene	BDL	8.0	8.0
Napthalene	BDL	BDL	BDL
Tetrachloroethene	BDL	BDL	BDL
Toluene	BDL	BDL	BDL
1,2,4-Trichlorbenzene	BDL	BDL	BDL
1,3,5-Trimethylbenzene	BDL	BDL	BDL
m+p-Xylene	BDL	42.0	48.0
o-Xylene	BDL	16.0	21.0
1,2,4-Trimethylbenzene	BDL	BDL	BDL

	SO-7/46-4			
	5' BGS	10' BGS	15' BGS	20' BGS
Chromium	16.0	37.0	18.0	11.0
pH	6.78	7.15	6.60	6.15
n-Butylbenzene	BDL	BDL	BDL	BDL
Ethylbenzene	250.0	1,100.0	46.0	19.0
Napthalene	20.0	BDL	BDL	28.0
Tetrachloroethene	12.0	BDL	BDL	BDL
Toluene	BDL	BDL	12.0	100.0
1,2,4-Trichlorobenzene	20.0	BDL	BDL	BDL
1,3,5-Trimethylbenzene	49.0	BDL	BDL	BDL
m+p-Xylene	1,600.0	4,800.0	180.0	39.0
o-Xylene	1,900.0	1,200.0	140.0	BDL
1,2,4-Trimethylbenzene	20.0	BDL	BDL	BDL

	SO-7/46-5			
	5' BGS	10' BGS	15' BGS	25' BGS
Chromium	22.0	19.0	18.0	23.0
pH	7.29	7.31	6.70	7.49
n-Butylbenzene	BDL	BDL	BDL	BDL
Ethylbenzene	BDL	BDL	BDL	BDL
Napthalene	BDL	BDL	BDL	BDL
Tetrachloroethene	BDL	BDL	BDL	BDL
Toluene	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	BDL	BDL	BDL	BDL
m+p-Xylene	BDL	BDL	BDL	BDL
o-Xylene	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	BDL	BDL	BDL	BDL

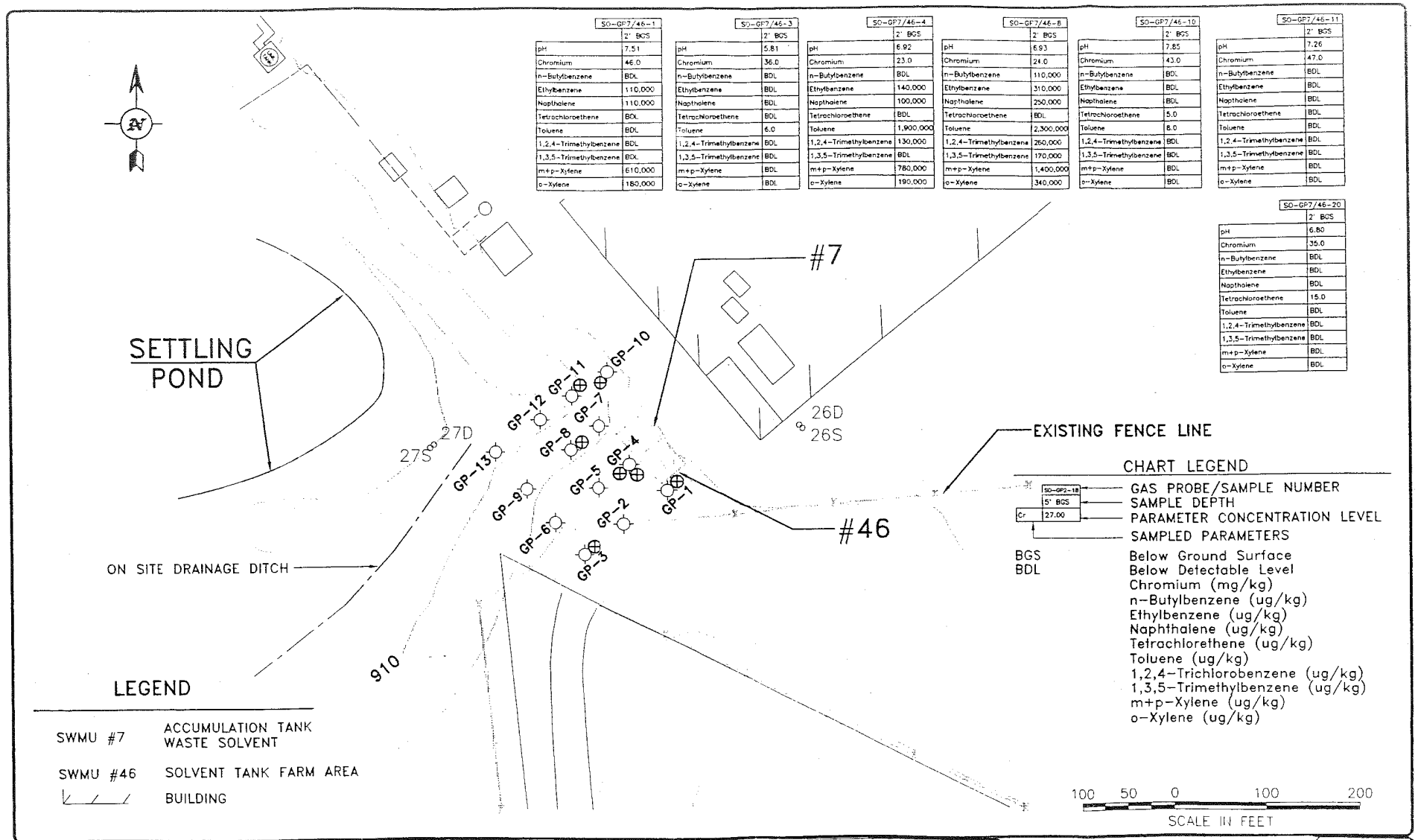
	SO-7/46-6			
	5' BGS	10' BGS	15' BGS	20' BGS
Chromium	22.0	25.0	26.0	48.0
pH	5.79	7.49	5.44	6.69
n-Butylbenzene	BDL	BDL	BDL	BDL
Ethylbenzene	2,100.00	1,600.00	750,000	93,000
Napthalene	BDL	BDL	BDL	BDL
Tetrachloroethene	BDL	BDL	BDL	BDL
Toluene	2,800.00	4,100.00	1,400.00	140,000
1,2,4-Trichlorobenzene	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	BDL	BDL	BDL	BDL
m+p-Xylene	5,800.00	4,700.00	2,600.00	310,000
o-Xylene	1,700.00	1,400.00	890,000	87,000
1,2,4-Trimethylbenzene	BDL	BDL	BDL	BDL

	SO-7/46-7			
	5' BGS	10' BGS	15' BGS	20' BGS
Chromium	30.0	51.0	57.0	34.0
pH	5.45	6.82	7.30	7.57
n-Butylbenzene	BDL	BDL	BDL	BDL
Ethylbenzene	BDL	BDL	21,000	72,000
Napthalene	BDL	BDL	BDL	BDL
Tetrachloroethene	BDL	BDL	BDL	BDL
Toluene	BDL	2,300,000	80,000	340,000
1,2,4-Trichlorobenzene	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	BDL	BDL	BDL	BDL
m+p-Xylene	BDL	370000	75,000	250,000
o-Xylene	BDL	100000	22,000	72,000
1,2,4-Trimethylbenzene	BDL	BDL	BDL	BDL

	SO-7/46-8		
	5' BGS	10' BGS	15' BGS
Chromium	26.0	33.0	25.0
pH	5.63	5.45	7.19
n-Butylbenzene	BDL	BDL	BDL
Ethylbenzene	410,000	190,000	570,000
Napthalene	BDL	BDL	BDL
Tetrachloroethene	BDL	BDL	BDL
Toluene	2,500,000	560,000	4,000,00
1,2,4-Trichlorbenzene	BDL	BDL	BDL
1,3,5-Trimethylbenzene	BDL	BDL	BDL
m+p-Xylene	1,500,000	530,000	2,100,00
o-Xylene	460,000	170,000	560,000
1,2,4-Trimethylbenzene	BDL	BDL	BDL

THE WILLIAM L. BONNELL COMPANY
SWMU CORRECTIVE ACTION PLAN
SAMPLE LOCATIONS FOR SWMU #7 AND #46

FIGURE NO.
SWMU#
7/46C



EXPLANATION

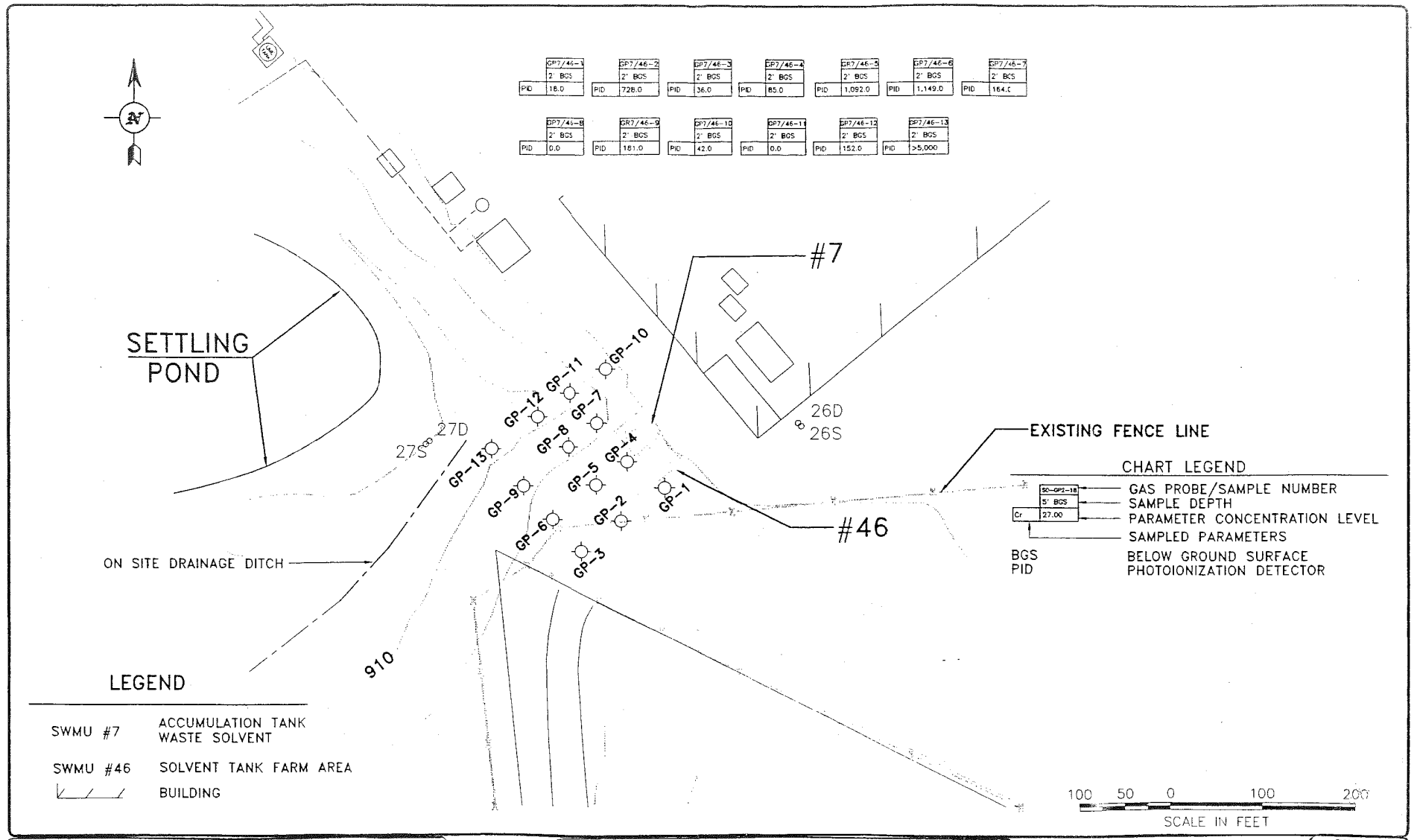
- SOIL GAS PROBE LOCATION
- SOIL SAMPLE LOCATION

THE WILLIAM L. BONNELL COMPANY

SWMU CORRECTIVE ACTION PLAN

SAMPLE LOCATIONS FOR SWMU #7 AND #46

FIGURE NO.
SWMU#
7/46B



EXPLANATION

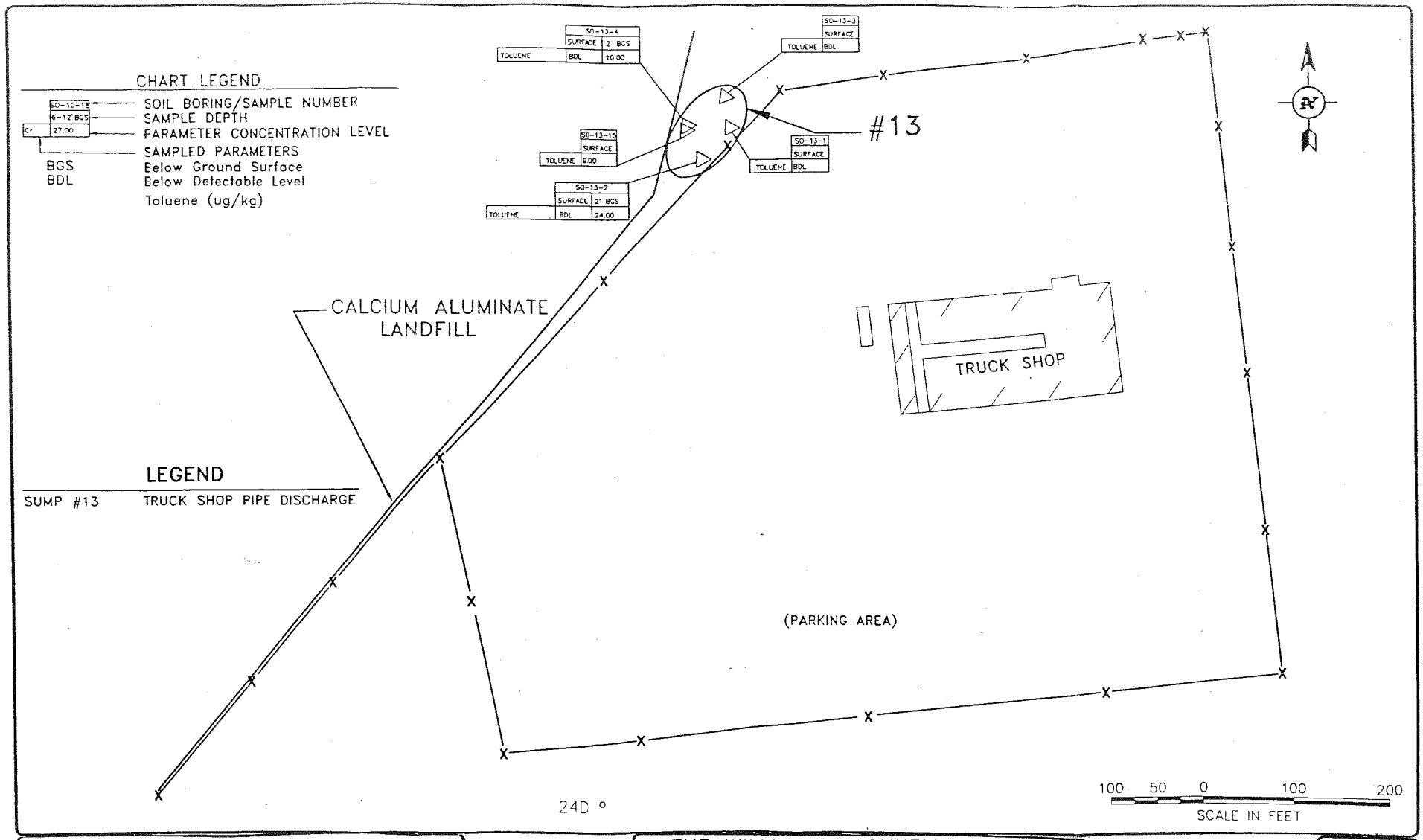
SOIL GAS PROBE LOCATION

THE WILLIAM L. BONNELL COMPANY

SWMU CORRECTIVE ACTION PLAN

SAMPLE LOCATIONS FOR SWMU #7 AND #46

FIGURE NO.
SWMU# 7/46A



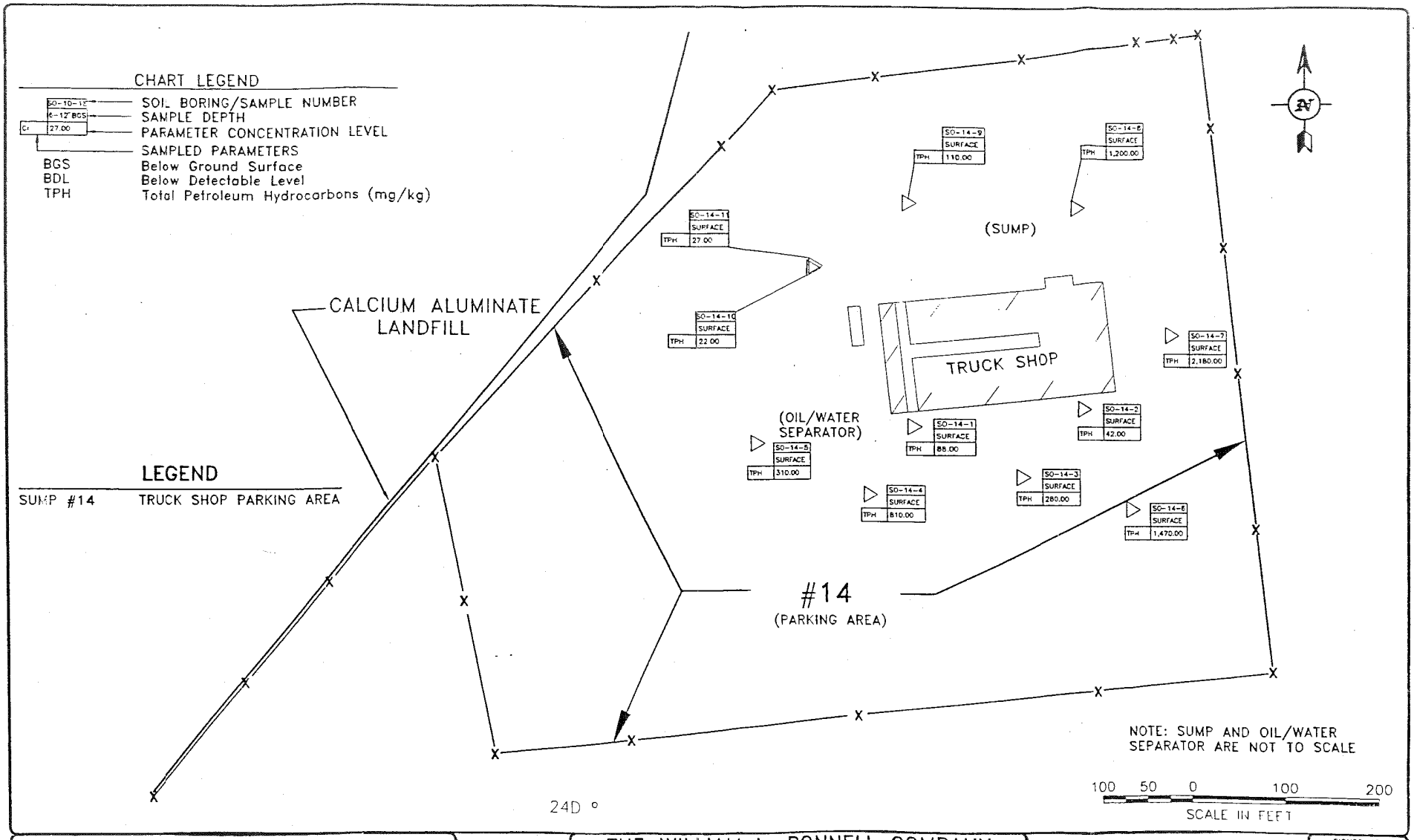
EXPLANATION

▷ SOIL SAMPLE LOCATION

THE WILLIAM L. BONNELL COMPANY
SWMU CORRECTIVE ACTION PLAN

SAMPLE LOCATIONS FOR
SWMU #13

FIGURE NO.
SWMU#
13



EXPLANATION

▷ SOIL SAMPLE LOCATION

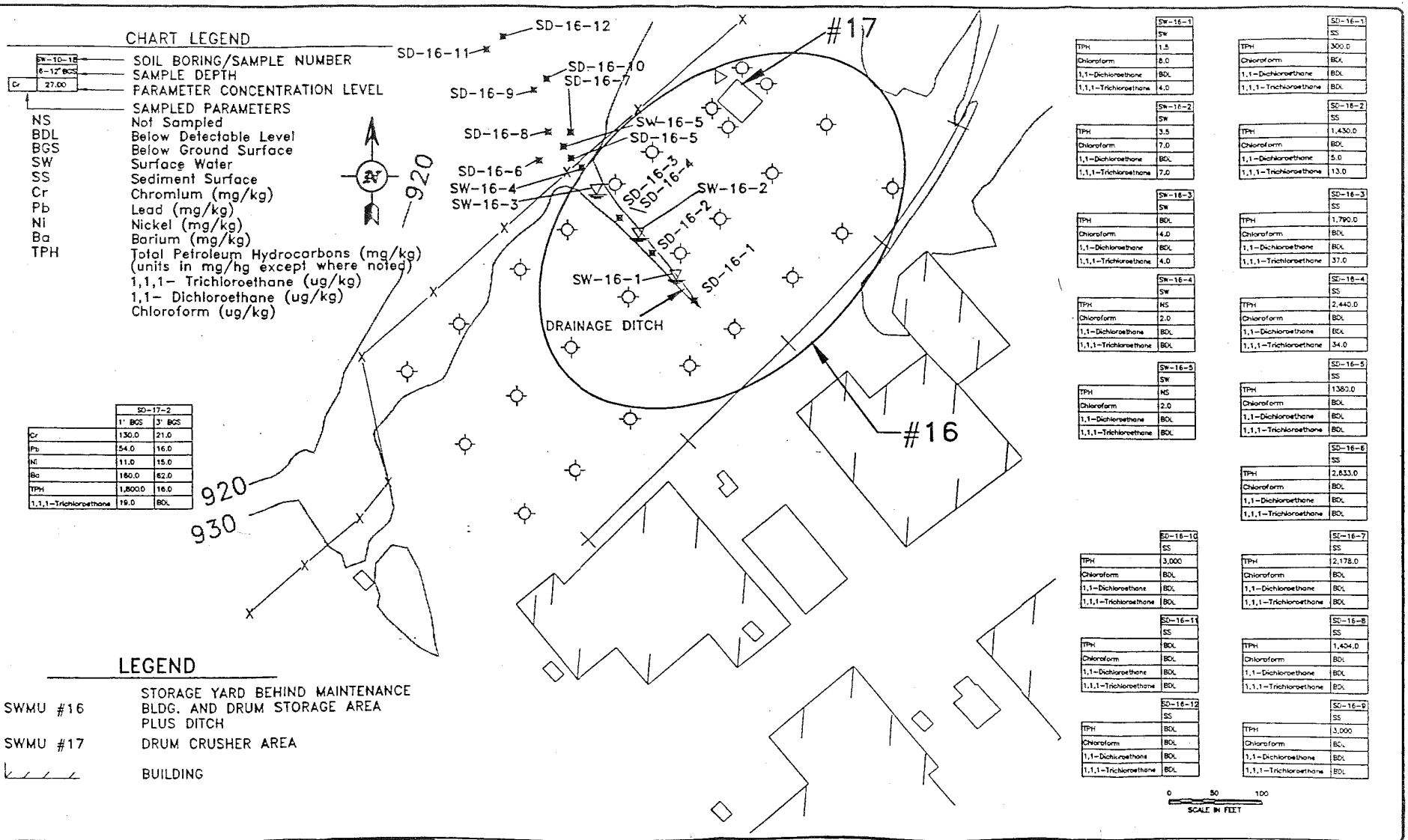
THE WILLIAM L. BONNELL COMPANY
SWMU CORRECTIVE ACTION PLAN

SAMPLE LOCATIONS FOR
SWMU #14

FIGURE NO.
SWMU#
14

CHART LEGEND

SW-10-16	SOIL BORING/SAMPLE NUMBER
6-12' BGS	SAMPLE DEPTH
Cr 27.00	PARAMETER CONCENTRATION LEVEL
	SAMPLED PARAMETERS
NS	Not Sampled
BDL	Below Detectable Level
BGS	Below Ground Surface
SW	Surface Water
SS	Sediment Surface
Cr	Chromium (mg/kg)
Pb	Lead (mg/kg)
Ni	Nickel (mg/kg)
Ba	Barium (mg/kg)
TPH	Total Petroleum Hydrocarbons (mg/kg) (units in mg/hg except where noted)
	1,1,1- Trichloroethane (ug/kg)
	1,1- Dichloroethane (ug/kg)
	Chloroform (ug/kg)



	SD-17-2	
	1' BGS	3' BGS
Cr	130.0	21.0
Pb	54.0	16.0
Ni	11.0	15.0
Ba	160.0	62.0
TPH	1,800.0	16.0
1,1,1-Trichloroethane	19.0	BDL

	SW-16-1 SW
TPH	1.5
Chloroform	8.0
1,1-Dichloroethane	BDL
1,1,1-Trichloroethane	4.0

	SW-16-2 SW
TPH	3.5
Chloroform	7.0
1,1-Dichloroethane	BDL
1,1,1-Trichloroethane	7.0

	SW-16-3 SW
TPH	BDL
Chloroform	4.0
1,1-Dichloroethane	BDL
1,1,1-Trichloroethane	4.0

	SW-16-4 SW
TPH	NS
Chloroform	2.0
1,1-Dichloroethane	BDL
1,1,1-Trichloroethane	BDL

	SW-16-5 SW
TPH	NS
Chloroform	2.0
1,1-Dichloroethane	BDL
1,1,1-Trichloroethane	BDL

	SD-16-1 SS
TPH	300.0
Chloroform	BDL
1,1-Dichloroethane	BDL
1,1,1-Trichloroethane	BDL

	SD-16-2 SS
TPH	1,430.0
Chloroform	BDL
1,1-Dichloroethane	5.0
1,1,1-Trichloroethane	13.0

	SD-16-3 SS
TPH	1,790.0
Chloroform	BDL
1,1-Dichloroethane	BDL
1,1,1-Trichloroethane	37.0

	SD-16-4 SS
TPH	2,440.0
Chloroform	BDL
1,1-Dichloroethane	BDL
1,1,1-Trichloroethane	34.0

	SD-16-5 SS
TPH	1380.0
Chloroform	BDL
1,1-Dichloroethane	BDL
1,1,1-Trichloroethane	BDL

	SD-16-6 SS
TPH	2,833.0
Chloroform	BDL
1,1-Dichloroethane	BDL
1,1,1-Trichloroethane	BDL

	SD-16-10 SS
TPH	3,000
Chloroform	BDL
1,1-Dichloroethane	BDL
1,1,1-Trichloroethane	BDL

	SD-16-7 SS
TPH	2,178.0
Chloroform	BDL
1,1-Dichloroethane	BDL
1,1,1-Trichloroethane	BDL

	SD-16-11 SS
TPH	BDL
Chloroform	BDL
1,1-Dichloroethane	BDL
1,1,1-Trichloroethane	BDL

	SD-16-8 SS
TPH	1,404.0
Chloroform	BDL
1,1-Dichloroethane	BDL
1,1,1-Trichloroethane	BDL

	SD-16-12 SS
TPH	BDL
Chloroform	BDL
1,1-Dichloroethane	BDL
1,1,1-Trichloroethane	BDL

	SD-16-9 SS
TPH	3,000
Chloroform	BDL
1,1-Dichloroethane	BDL
1,1,1-Trichloroethane	BDL

0 50 100
SCALE IN FEET

LEGEND

SWMU #16	STORAGE YARD BEHIND MAINTENANCE BLDG. AND DRUM STORAGE AREA PLUS DITCH
SWMU #17	DRUM CRUSHER AREA
	BUILDING

EXPLANATION

- SOIL SAMPLE LOCATION
- SOIL BORING LOCATION
- SEDIMENT SAMPLE LOCATION
- SURFACE WATER SAMPLE LOCATION

THE WILLIAM L. BONNELL COMPANY
SWMU CORRECTIVE ACTION PLAN

SAMPLE LOCATIONS FOR SWMU #16 AND #17

FIGURE NO.
SWMU#
16/17B

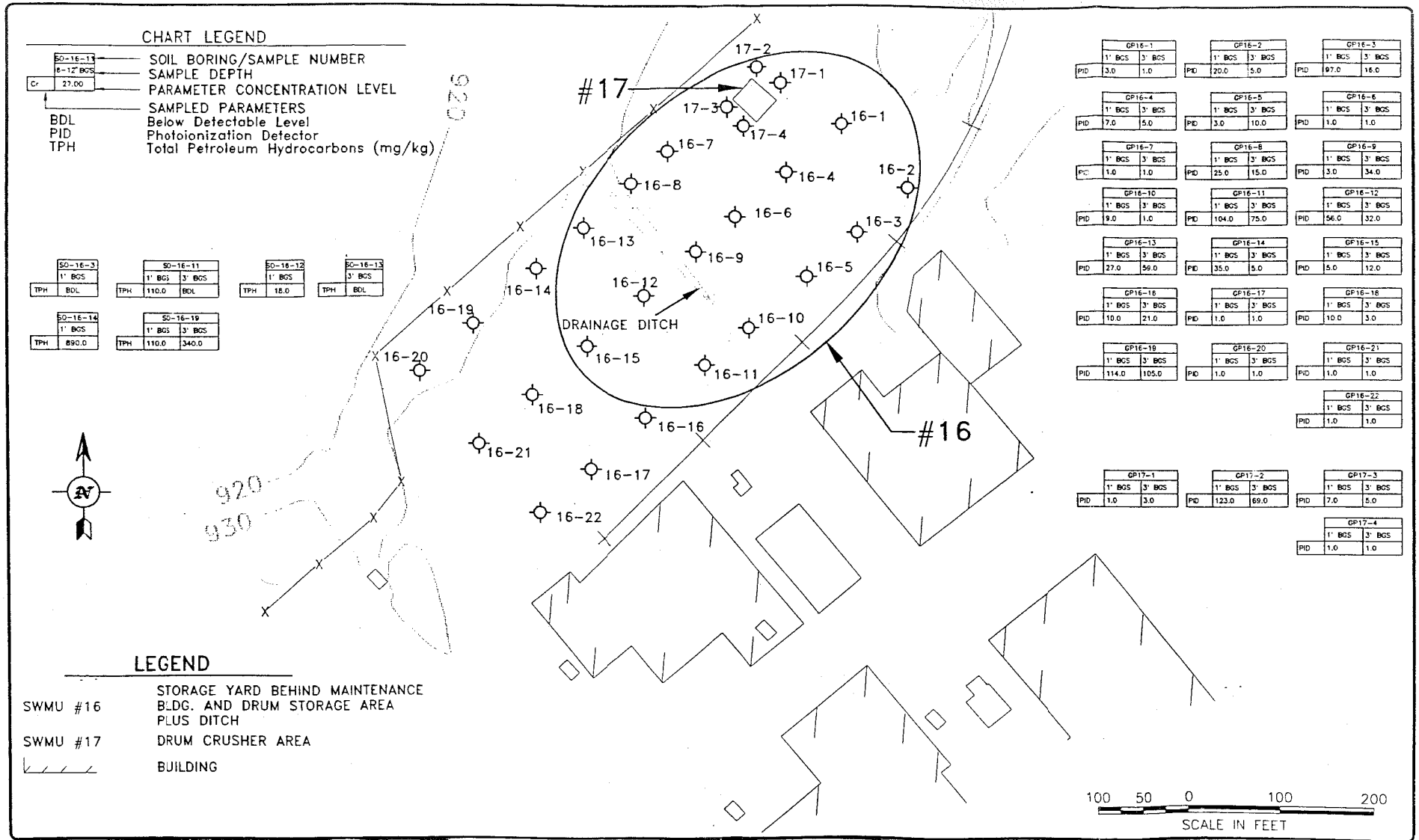
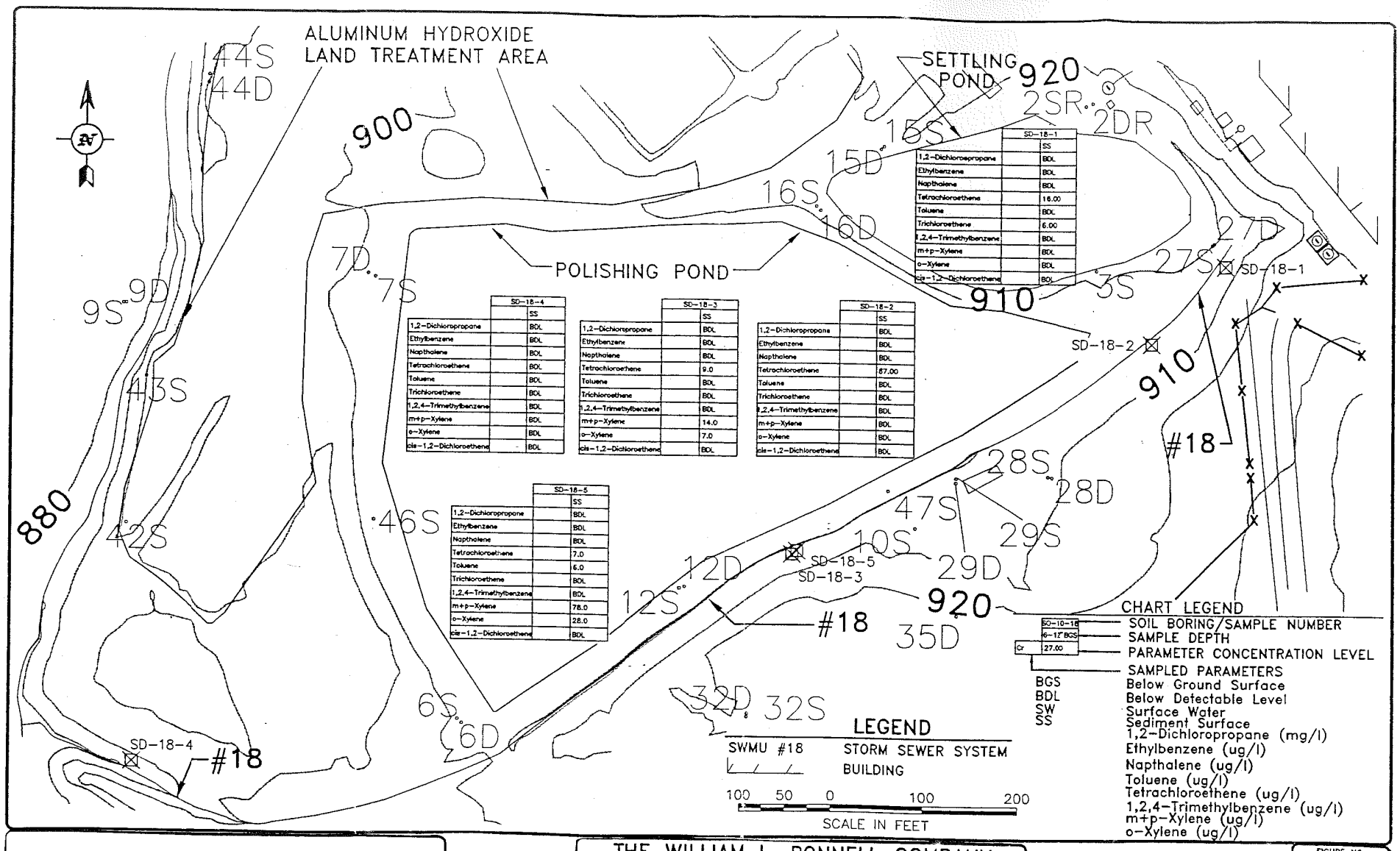


CHART LEGEND
SOIL BORING/SAMPLE NUMBER
SAMPLE DEPTH
PARAMETER CONCENTRATION LEVEL
SAMPLED PARAMETERS
BDL Below Detectable Level
PID Photoionization Detector
TPH Total Petroleum Hydrocarbons (mg/kg)
#17
#16
DRAINAGE DITCH
17-1
17-2
17-3
17-4
16-1
16-2
16-3
16-4
16-5
16-6
16-7
16-8
16-9
16-10
16-11
16-12
16-13
16-14
16-15
16-16
16-17
16-18
16-19
16-20
16-21
16-22
920
930
LEGEND
SWMU #16 STORAGE YARD BEHIND MAINTENANCE BLDG. AND DRUM STORAGE AREA PLUS DITCH
SWMU #17 DRUM CRUSHER AREA
BUILDING
100 50 0 100 200
SCALE IN FEET
EXPLANATION
SOIL GAS PROBE LOCATION
SEDIMENT SAMPLE LOCATION
SURFACE WATER SAMPLE LOCATION
THE WILLIAM L. BONNELL COMPANY
SWMU CORRECTIVE ACTION PLAN
SAMPLE LOCATIONS FOR SWMU #16 AND #17
FIGURE NO.
SWMU#
16/17A



EXPLANATION

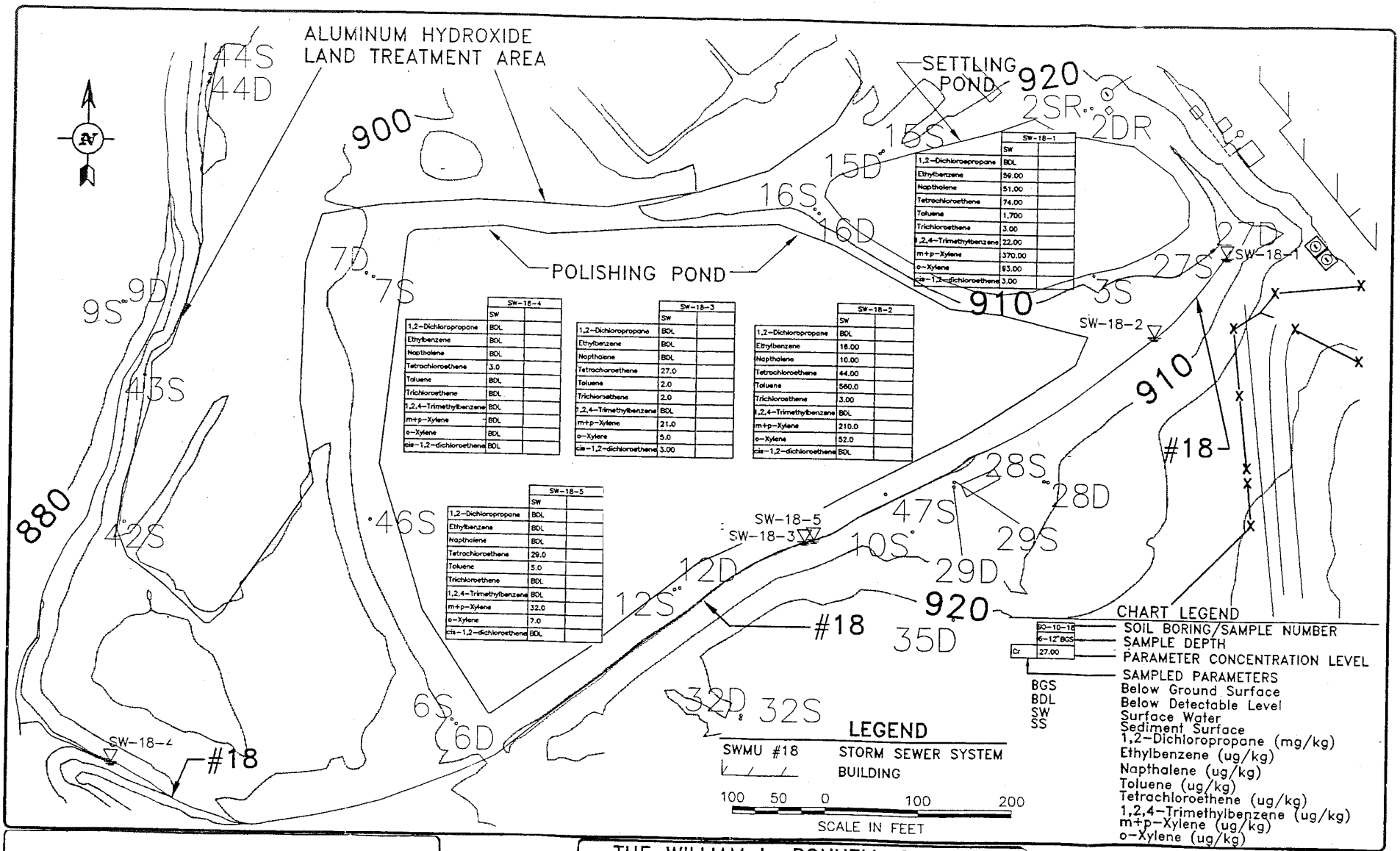
⊠ SEDIMENT SAMPLE LOCATION

THE WILLIAM L. BONNELL COMPANY

SWMU CORRECTIVE ACTION PLAN

SAMPLE LOCATIONS FOR SWMU #18

FIGURE NO.
SWMU#
18A



EXPLANATION

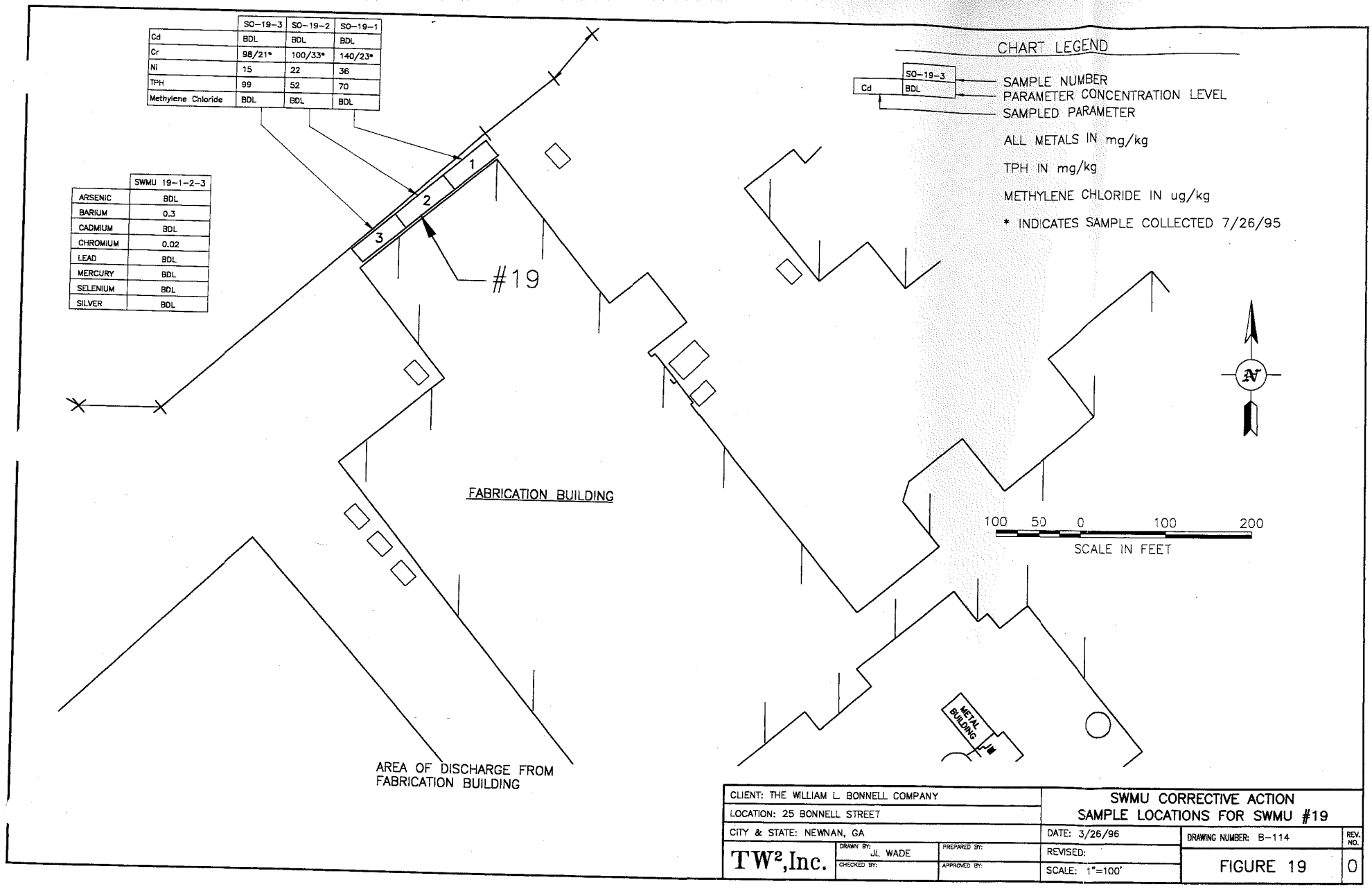
▽ SURFACE WATER SAMPLE LOCATION

THE WILLIAM L. BONNELL COMPANY

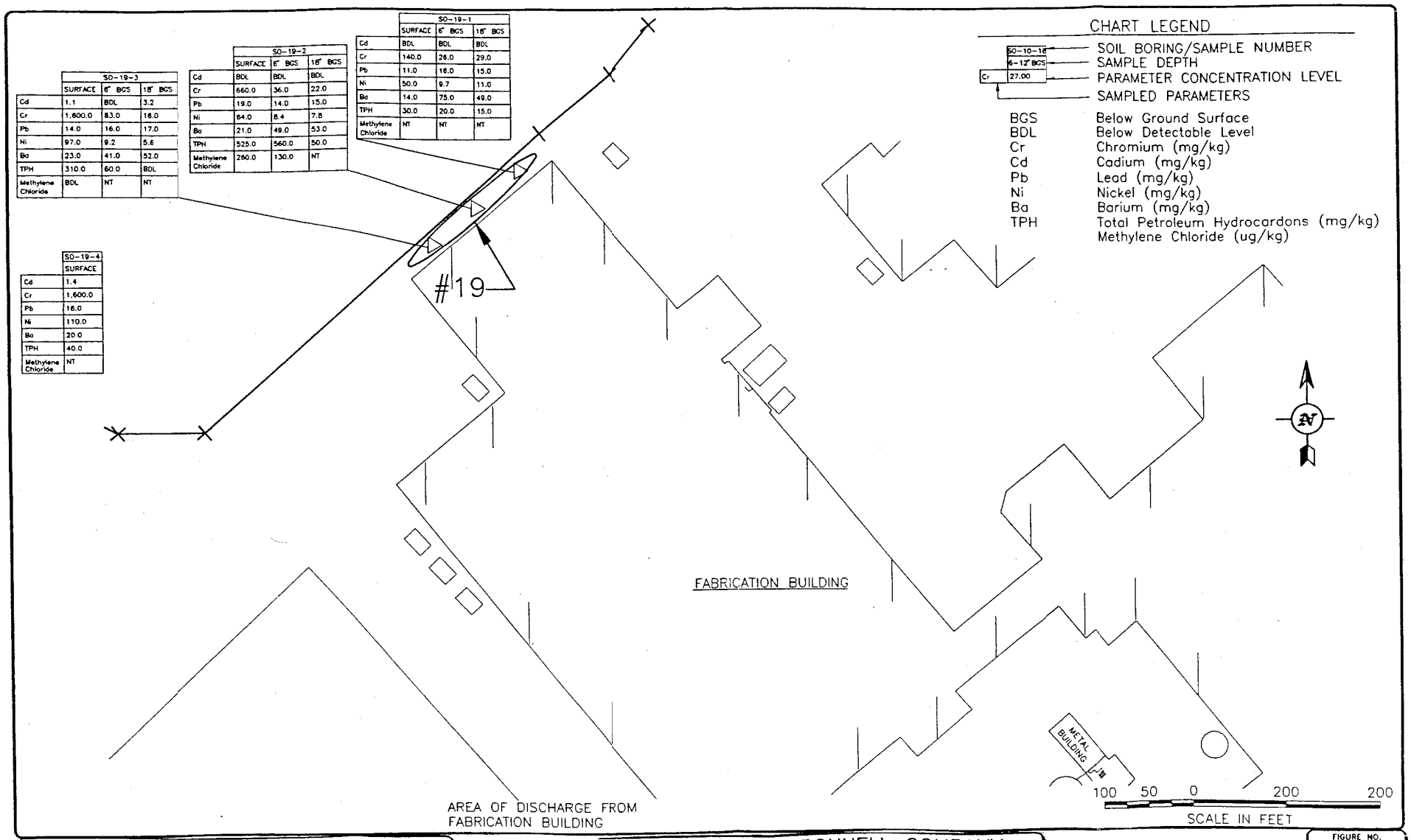
SWMU CORRECTIVE ACTION PLAN

SAMPLE LOCATIONS FOR SWMU #18

FIGURE NO.
SWMU#
18



CLIENT: THE WILLIAM L. BONNELL COMPANY			SWMU CORRECTIVE ACTION SAMPLE LOCATIONS FOR SWMU #19
LOCATION: 25 BONNELL STREET			
CITY & STATE: NEWNAN, GA		DATE: 3/26/96	DRAWING NUMBER: B-114 REV. NO.
TW², Inc.	DRAWN BY: JL WADE; PREPARED BY:	REVISED:	FIGURE 19 0
	CHECKED BY: ; APPROVED BY:	SCALE: 1"=100'	



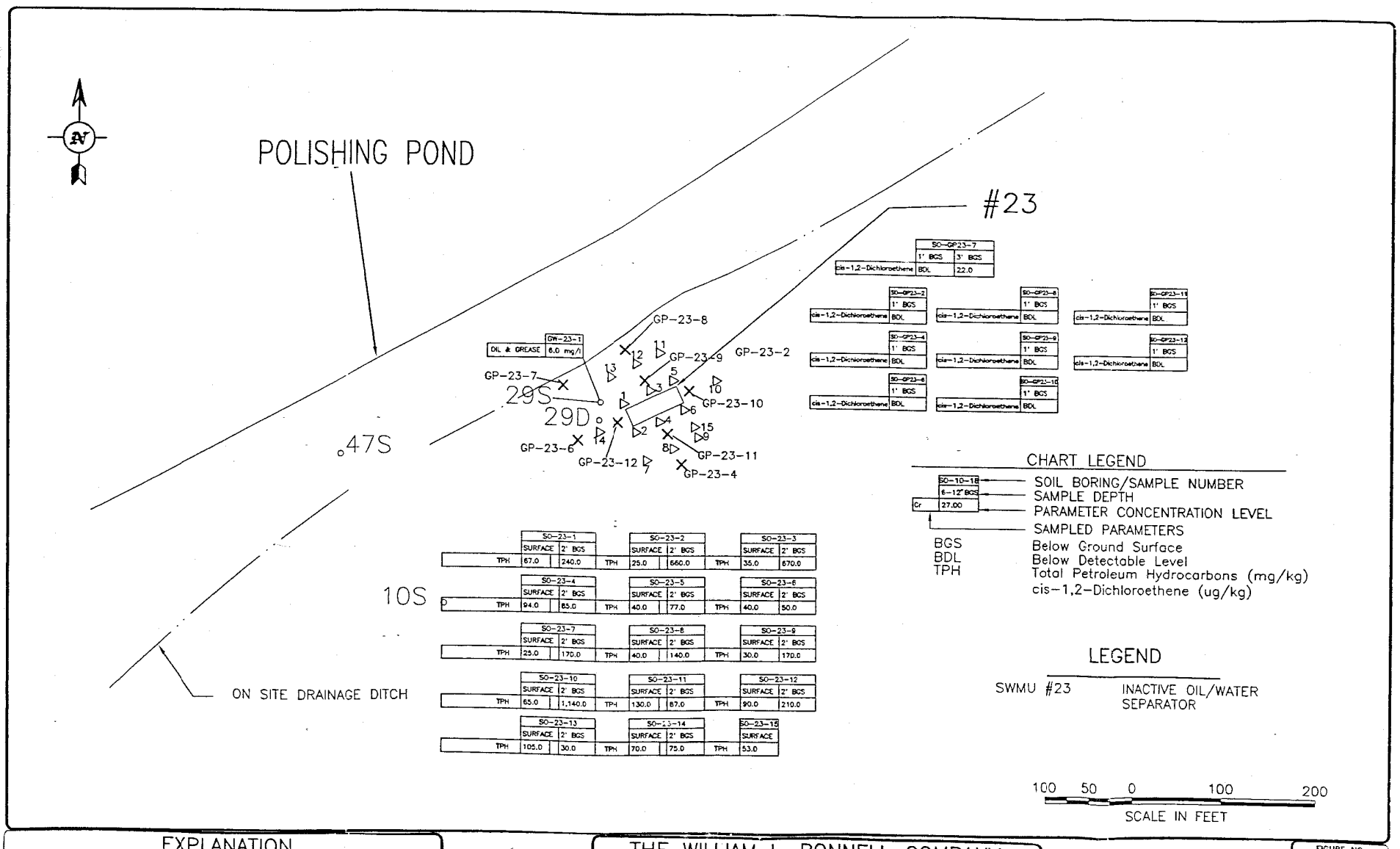
EXPLANATION

▷ SOIL SAMPLE LOCATION

THE WILLIAM L. BONNELL COMPANY
SWMU CORRECTIVE ACTION PLAN

SAMPLE LOCATIONS FOR
SWMU #19

FIGURE NO.
SWMU#
19



EXPLANATION

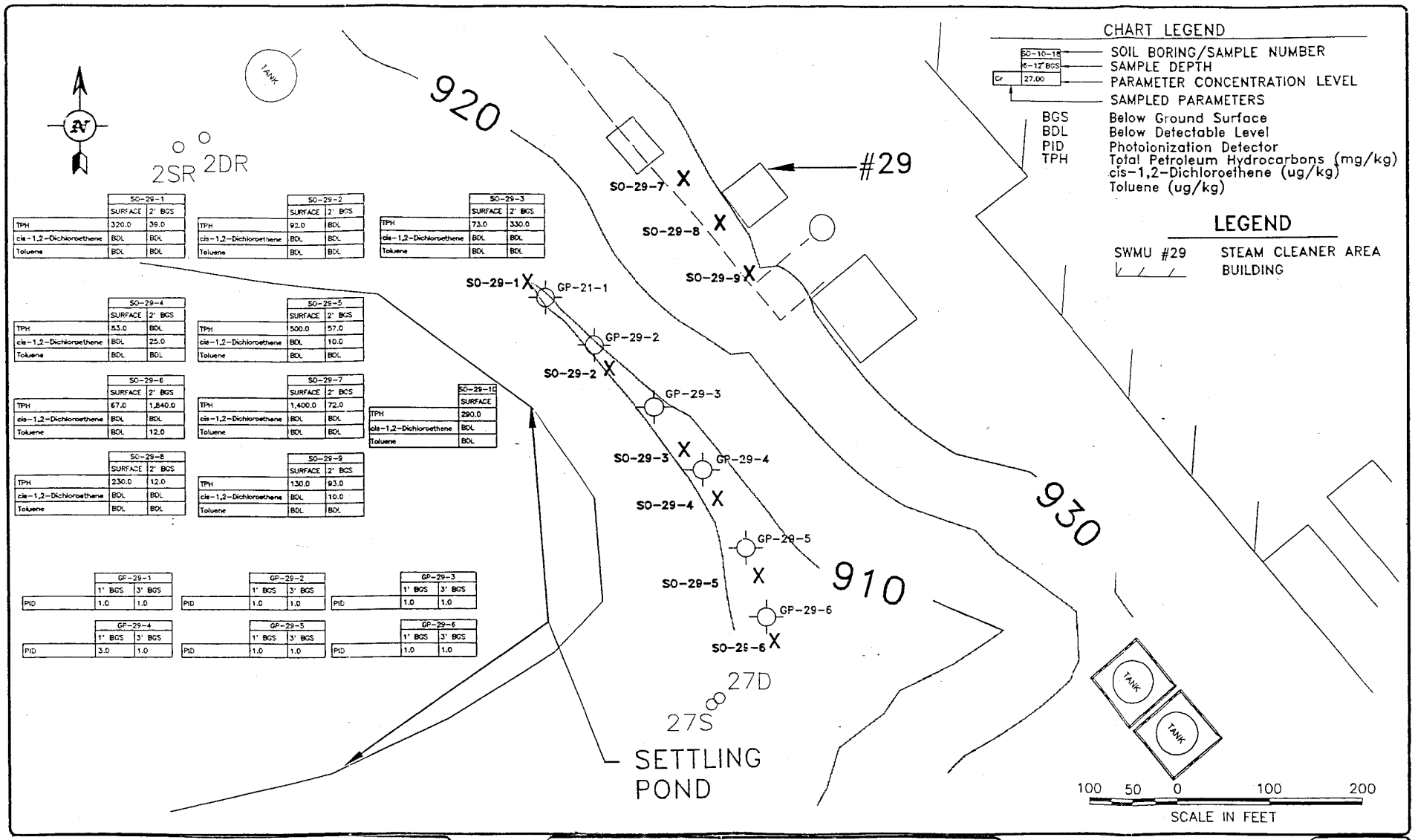
- o MONITORING WELL LOCATION
- ▷ SOIL SAMPLE LOCATION
- × SOIL GAS PROBE LOCATION

THE WILLIAM L. BONNELL COMPANY

SWMU CORRECTIVE ACTION PLAN

SAMPLE LOCATIONS FOR SWMU #23

FIGURE NO. SWMU# 23



EXPLANATION

- SOIL GAS PROBE LOCATION
- X HAND AUGER LOCATION

THE WILLIAM L. BONNELL COMPANY

SWMU CORRECTIVE ACTION PLAN

SAMPLE LOCATIONS FOR SWMU #29

FIGURE NO.
SWMU# 29

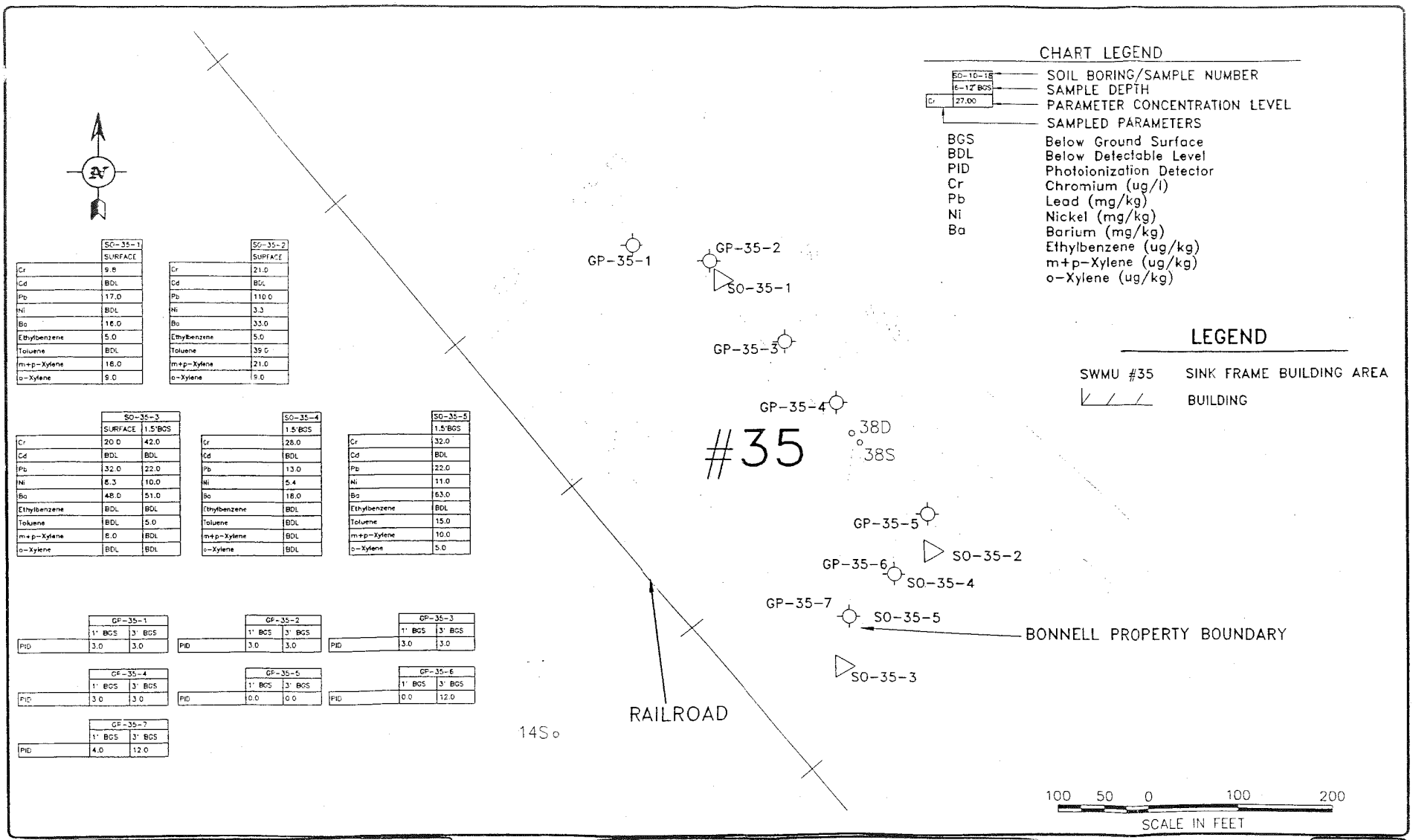
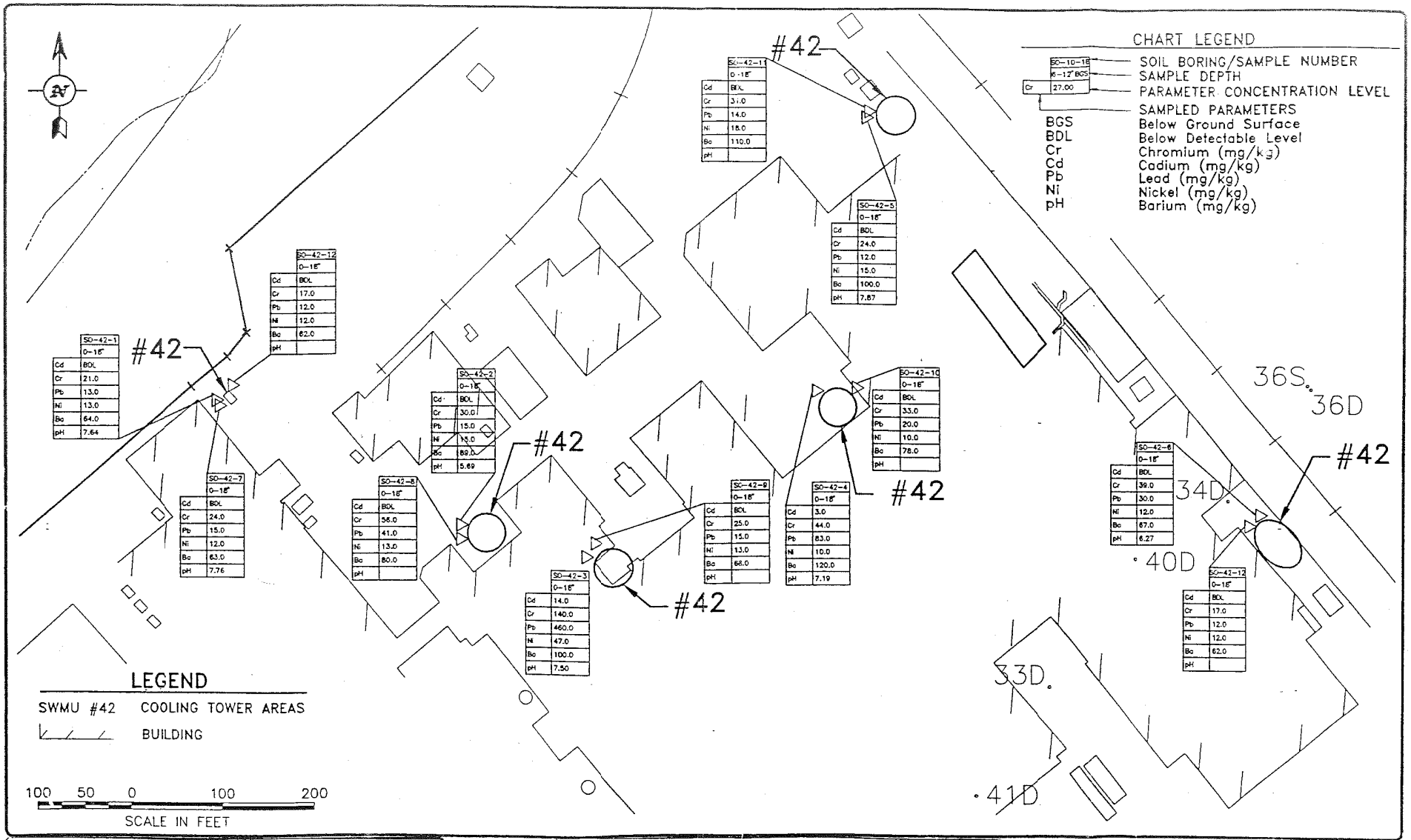


CHART LEGEND
SO-10-15
6-12' BGS
Cr 27.00
SOIL BORING/SAMPLE NUMBER
SAMPLE DEPTH
PARAMETER CONCENTRATION LEVEL
SAMPLED PARAMETERS
BGS Below Ground Surface
BDL Below Detectable Level
PID Photoionization Detector
Cr Chromium (ug/l)
Pb Lead (mg/kg)
Ni Nickel (mg/kg)
Ba Barium (mg/kg)
Ethylbenzene (ug/kg)
m+p-Xylene (ug/kg)
o-Xylene (ug/kg)
LEGEND
SWMU #35 SINK FRAME BUILDING AREA
BUILDING
SO-35-1
SURFACE
Cr 9.8
Cd BDL
Pb 17.0
Ni BDL
Ba 16.0
Ethylbenzene 5.0
Toluene BDL
m+p-Xylene 16.0
o-Xylene 9.0
SO-35-2
SURFACE
Cr 21.0
Cd BDL
Pb 110.0
Ni 3.3
Ba 33.0
Ethylbenzene 5.0
Toluene 39.0
m+p-Xylene 21.0
o-Xylene 9.0
SO-35-3
SURFACE 1.5'BGS
Cr 20.0 42.0
Cd BDL BDL
Pb 32.0 22.0
Ni 6.3 10.0
Ba 48.0 51.0
Ethylbenzene BDL BDL
Toluene BDL 5.0
m+p-Xylene 8.0 BDL
o-Xylene BDL BDL
SO-35-4
1.5'BGS
Cr 28.0
Cd BDL
Pb 13.0
Ni 5.4
Ba 18.0
Ethylbenzene BDL
Toluene BDL
m+p-Xylene BDL
o-Xylene BDL
SO-35-5
1.5'BGS
Cr 32.0
Cd BDL
Pb 22.0
Ni 11.0
Ba 63.0
Ethylbenzene BDL
Toluene 15.0
m+p-Xylene 10.0
o-Xylene 5.0
GP-35-1
1' BGS 3' BGS
PID 3.0 3.0
GP-35-2
1' BGS 3' BGS
PID 3.0 3.0
GP-35-3
1' BGS 3' BGS
PID 3.0 3.0
GP-35-4
1' BGS 3' BGS
PID 3.0 3.0
GP-35-5
1' BGS 3' BGS
PID 0.0 0.0
GP-35-6
1' BGS 3' BGS
PID 0.0 12.0
GP-35-7
1' BGS 3' BGS
PID 4.0 12.0
GP-35-1
GP-35-2
SO-35-1
GP-35-3
GP-35-4
#35
38D
38S
GP-35-5
SO-35-2
GP-35-6
SO-35-4
GP-35-7
SO-35-5
BONNELL PROPERTY BOUNDARY
SO-35-3
RAILROAD
14S
100 50 0 100 200
SCALE IN FEET
EXPLANATION
PROPOSED SOIL SAMPLE LOCATION
PROPOSED SOIL GAS PROBE LOCATION
THE WILLIAM L. BONNELL COMPANY
SWMU CORRECTIVE ACTION PLAN
SAMPLE LOCATIONS FOR
SWMU #35
FIGURE NO.
SWMU#
35



EXPLANATION

▷ SOIL SAMPLE LOCATIONS

THE WILLIAM L. BONNELL COMPANY

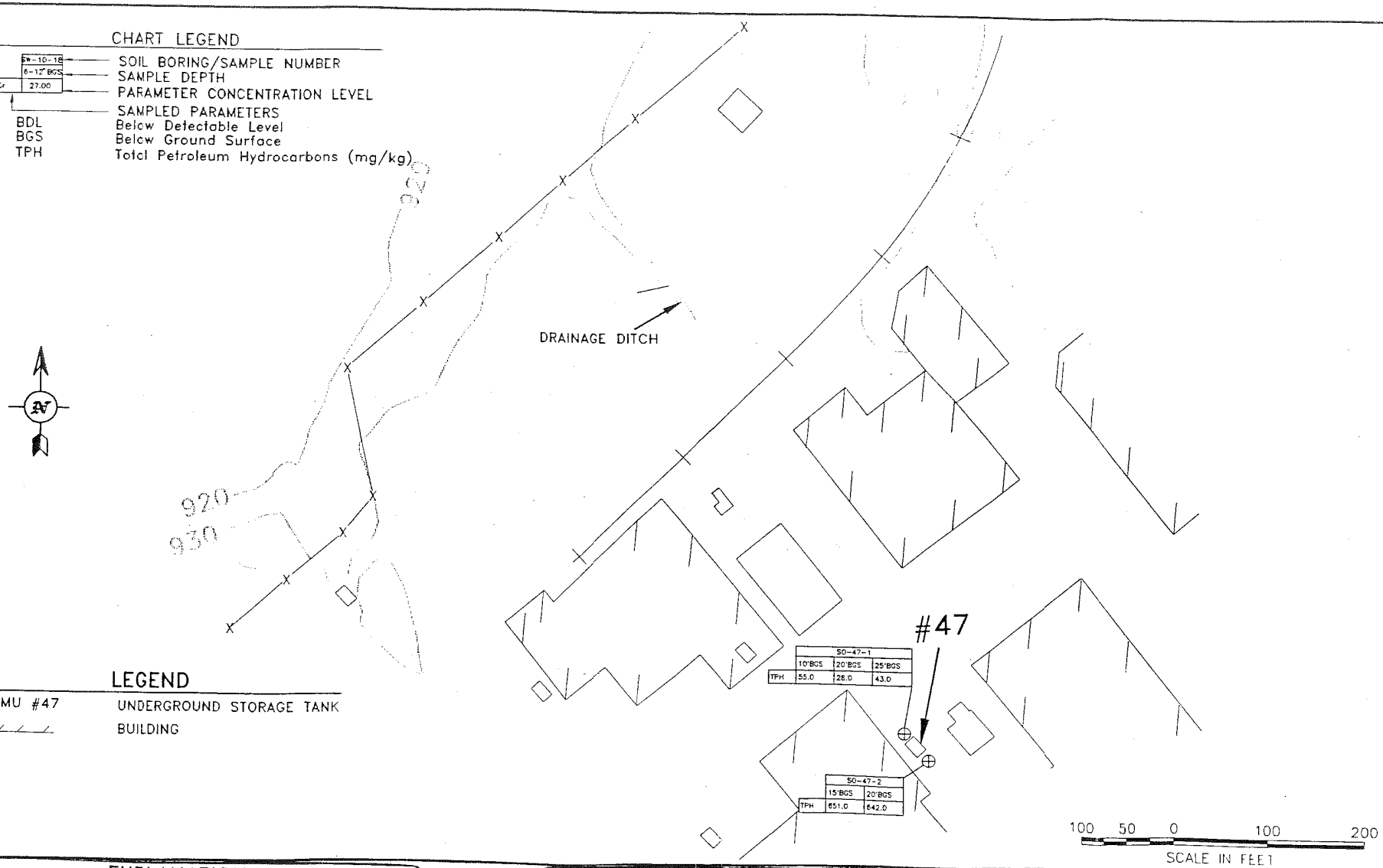
SWMU CORRECTIVE ACTION PLAN

SAMPLE LOCATIONS FOR SWMU #42

FIGURE NO.
SWMU#
42

CHART LEGEND

SW-10-18	SOIL BORING/SAMPLE NUMBER
6-12' BGS	SAMPLE DEPTH
Cr 27.00	PARAMETER CONCENTRATION LEVEL
Cr	SAMPLED PARAMETERS
BDL	Below Detectable Level
BGS	Below Ground Surface
TPH	Total Petroleum Hydrocarbons (mg/kg)



LEGEND

SWMU #47	UNDERGROUND STORAGE TANK
	BUILDING

EXPLANATION

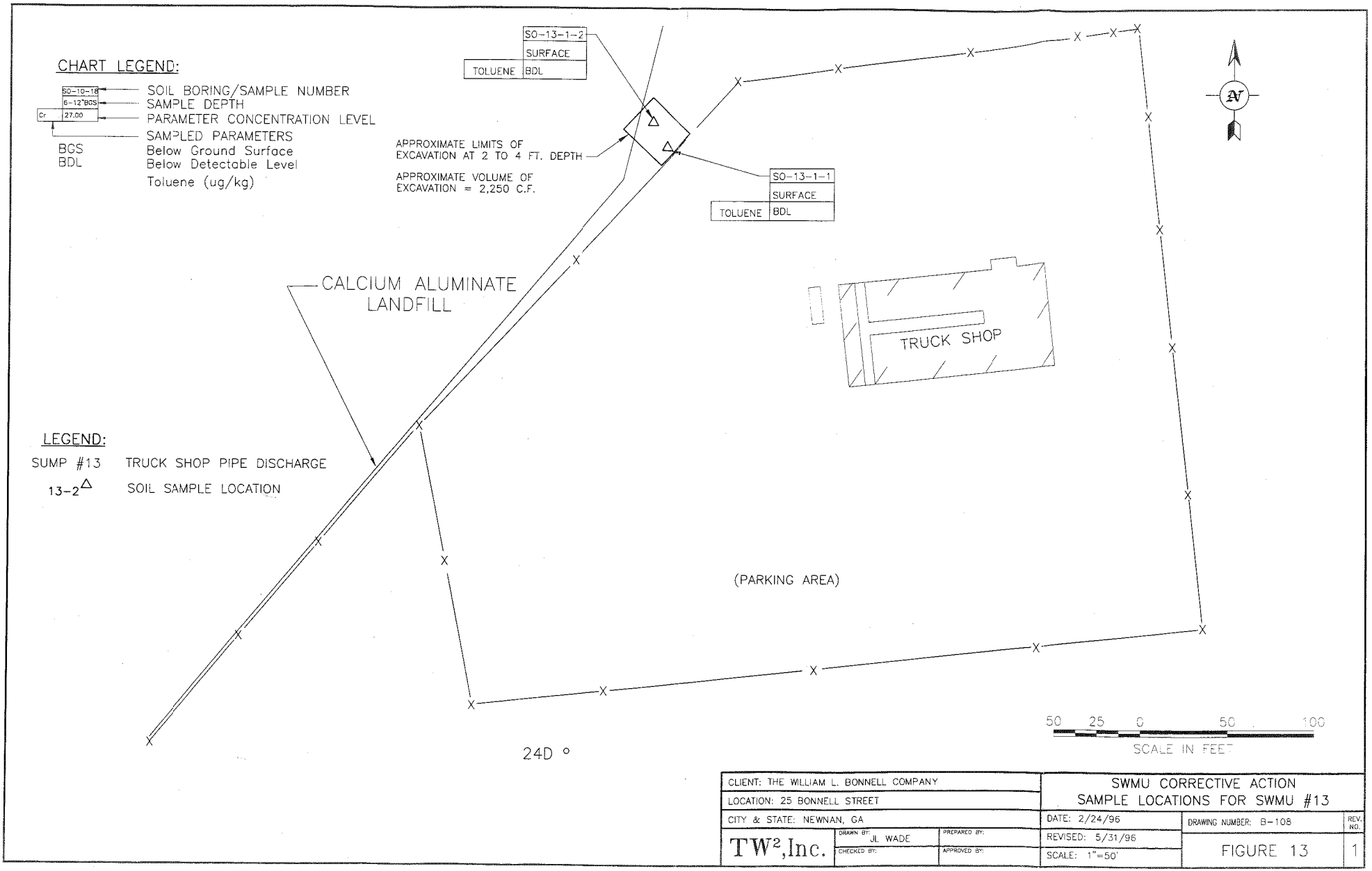
⊕ SOIL BORING LOCATION

THE WILLIAM L. BONNELL COMPANY

SWMU CORRECTIVE ACTION PLAN

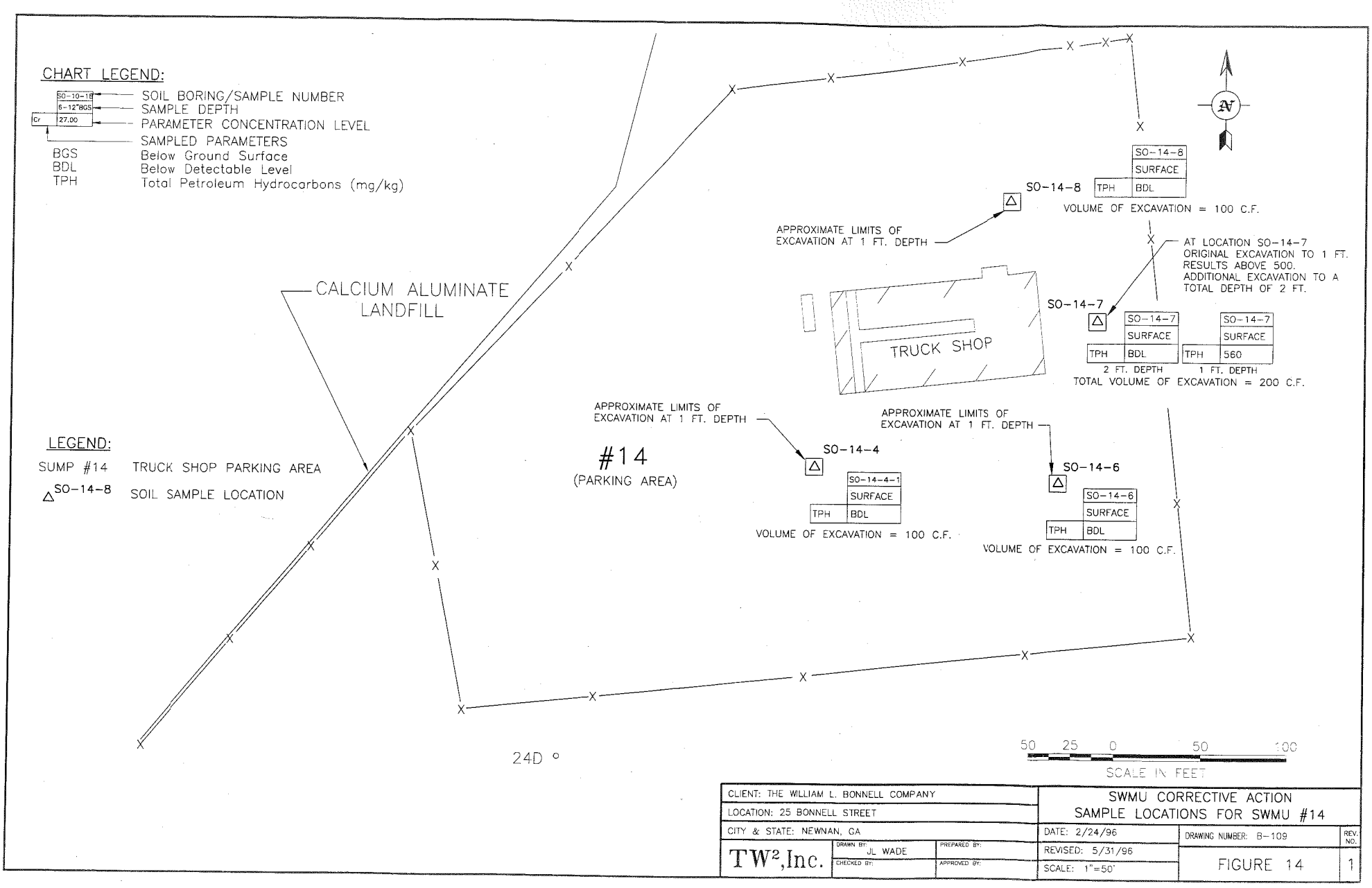
SAMPLE LOCATIONS FOR SWMU #47

FIGURE NO.
SWMU#
47



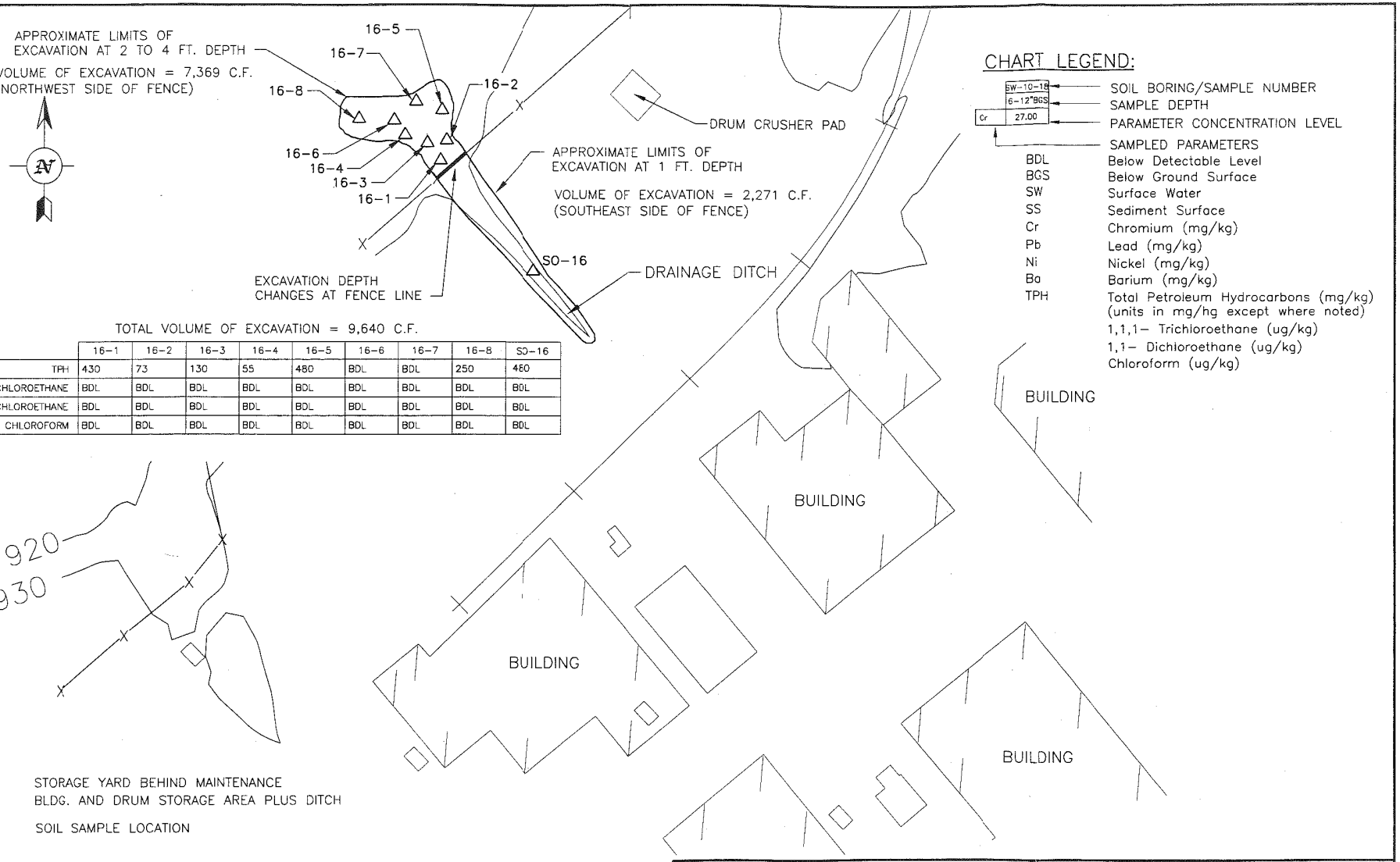
CLIENT: THE WILLIAM L. BONNELL COMPANY			SWMU CORRECTIVE ACTION SAMPLE LOCATIONS FOR SWMU #13	
LOCATION: 25 BONNELL STREET				
CITY & STATE: NEWNAN, GA			DATE: 2/24/96	DRAWING NUMBER: B-108 / REV. NO.
TW², Inc.	DRAWN BY: JL WADE	PREPARED BY:	REVISED: 5/31/96	
	CHECKED BY:	APPROVED BY:	SCALE: 1"=50'	FIGURE 13 / 1

C:\WADE\C W21\B-108 Wed Jun 05 08:00:23 1996 BY: JL Wade



CLIENT: THE WILLIAM L. BONNELL COMPANY		SWMU CORRECTIVE ACTION SAMPLE LOCATIONS FOR SWMU #14	
LOCATION: 25 BONNELL STREET			
CITY & STATE: NEWNAN, GA		DATE: 2/24/96	DRAWING NUMBER: B-109 / REV. NO.
TW², Inc.	DRAWN BY: JL WADE / PREPARED BY:	REVISED: 5/31/96	
	CHECKED BY: / APPROVED BY:	SCALE: 1"=50'	FIGURE 14 / 1

C:\WADE\... \TW2\B-109 Wed Jun 05 08:00:51 1996 BY: JL Wade



TOTAL VOLUME OF EXCAVATION = 9,640 C.F.

	16-1	16-2	16-3	16-4	16-5	16-6	16-7	16-8	SO-16
TPH	430	73	130	55	480	BDL	BDL	250	460
1,1-DICHLOROETHANE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-TRICHLOROETHANE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
CHLOROFORM	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

CHART LEGEND:

SW-10-18 — SOIL BORING/SAMPLE NUMBER
6-12"BGS — SAMPLE DEPTH
Cr 27.00 — PARAMETER CONCENTRATION LEVEL
SAMPLED PARAMETERS

BDL	Below Detectable Level
BGS	Below Ground Surface
SW	Surface Water
SS	Sediment Surface
Cr	Chromium (mg/kg)
Pb	Lead (mg/kg)
Ni	Nickel (mg/kg)
Ba	Barium (mg/kg)
TPH	Total Petroleum Hydrocarbons (mg/kg) (units in mg/hg except where noted)
	1,1,1- Trichloroethane (ug/kg)
	1,1- Dichloroethane (ug/kg)
	Chloroform (ug/kg)

LEGEND:

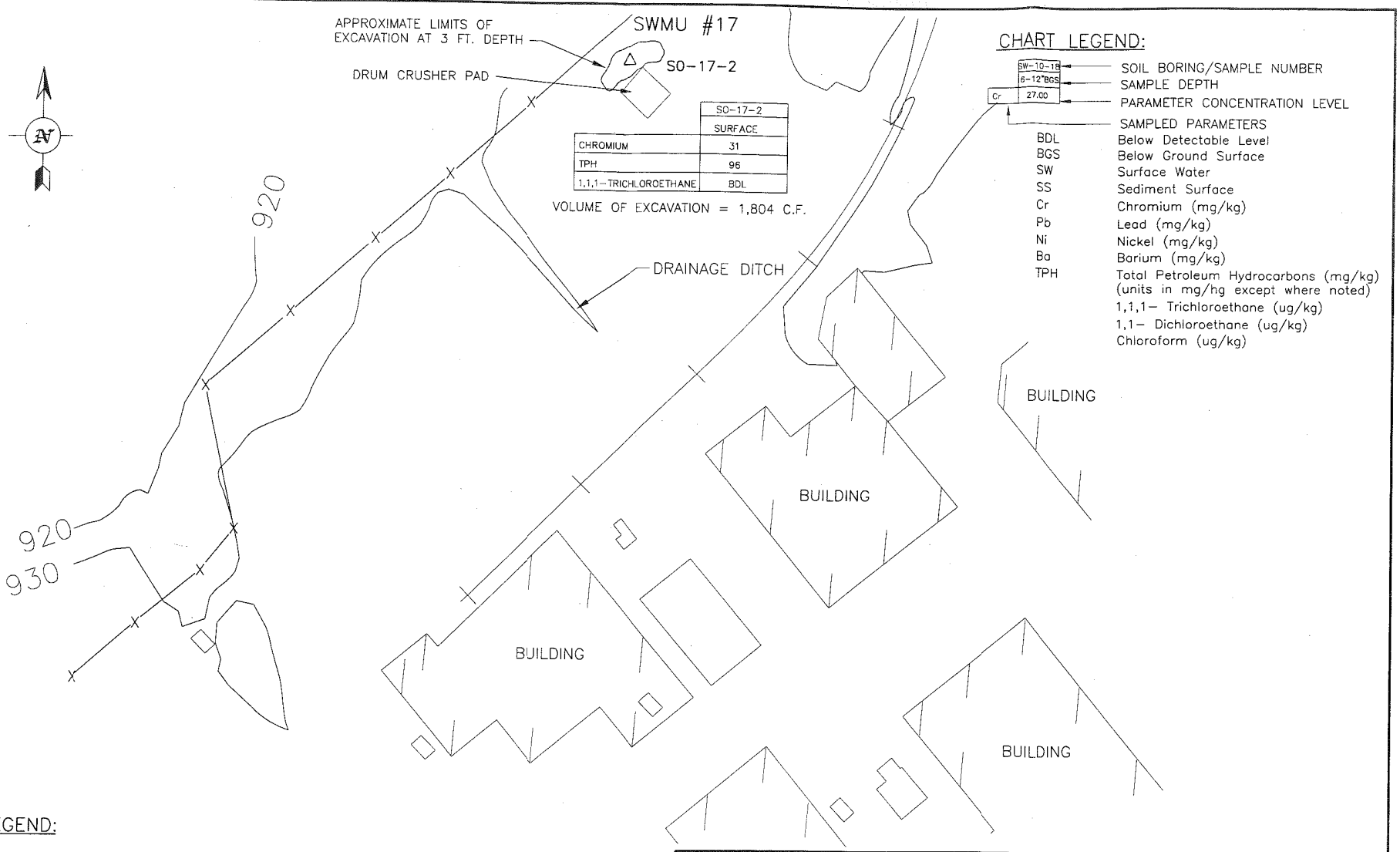
SWMU #16 — STORAGE YARD BEHIND MAINTENANCE BLDG. AND DRUM STORAGE AREA PLUS DITCH

$\triangle_{SO-16-3}$ — SOIL SAMPLE LOCATION

60 30 0 60 120
SCALE IN FEET

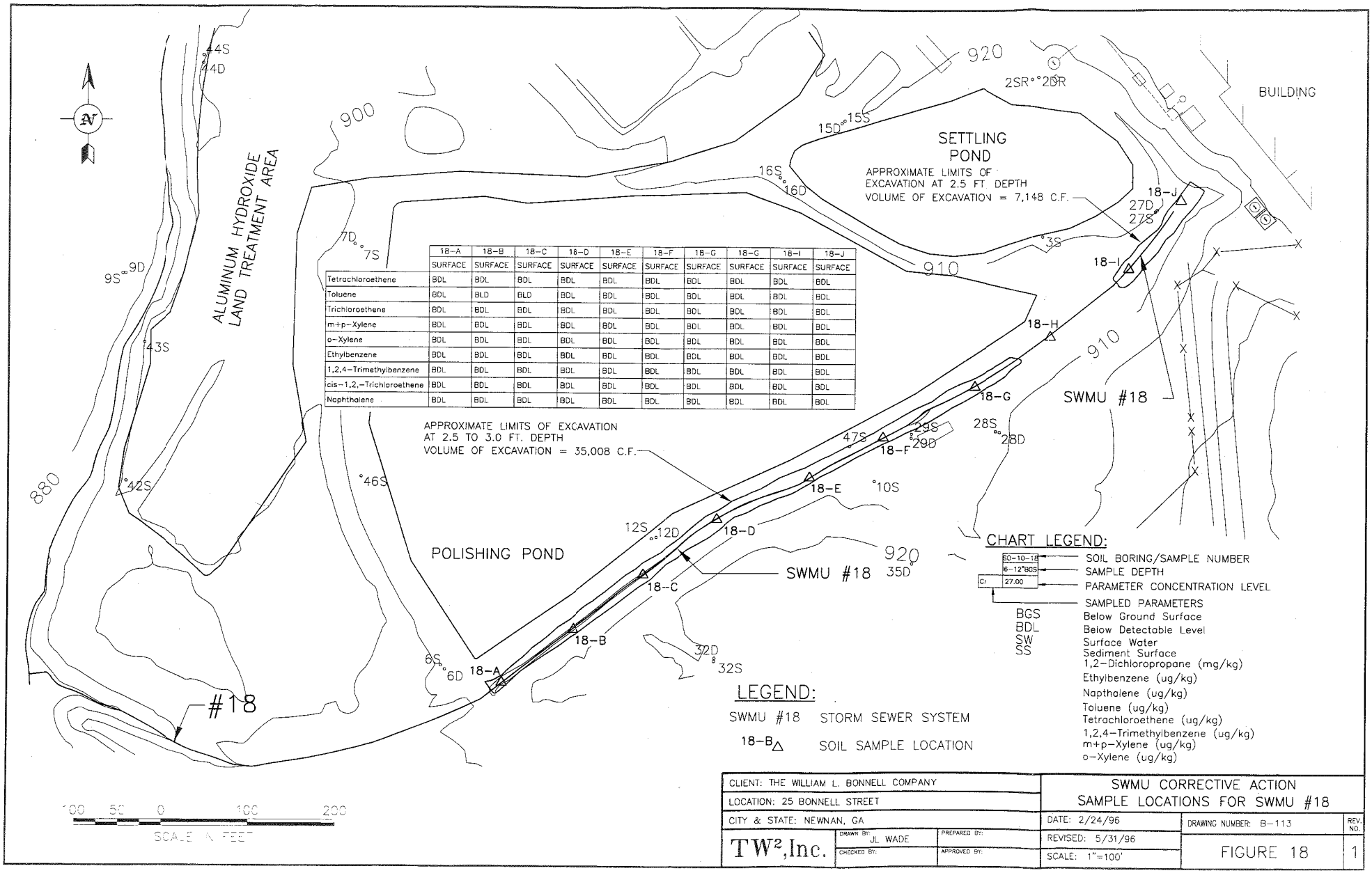
CLIENT: THE WILLIAM L. BONNELL COMPANY		SWMU CORRECTIVE ACTION SAMPLE LOCATIONS FOR SWMU 16	
LOCATION: 25 BONNELL STREET			
CITY & STATE: NEWNAN, GA		DATE: 2/24/96	DRAWING NUMBER: B-111 / REV. NO.
TW², Inc.	DRAWN BY: JL WADE / CHECKED BY: / PREPARED BY: / APPROVED BY:	REVISED: 5/31/96	FIGURE 16 / 1
		SCALE: 1"=60'	

C:\WADE\D' W2\B-111 Fri Jun 07 07:45:34 1996 BY: JL Wade



CLIENT: THE WILLIAM L. BONNELL COMPANY			SWMU CORRECTIVE ACTION SAMPLE LOCATIONS FOR SWMU 17
LOCATION: 25 BONNELL STREET			
CITY & STATE: NEWNAN, GA			DATE: 2/24/96
TW², Inc.	DRAWN BY: JL WADE	PREPARED BY:	REVISED: 5/31/96
	CHECKED BY:	APPROVED BY:	SCALE: 1"=60'
DRAWING NUMBER: B-110	REV. NO.		
FIGURE 17	1		

C:\WADE\D' TW2\B-110 Wed Jun 05 08:01:26 1996 BY: JL Wade



	18-A	18-B	18-C	18-D	18-E	18-F	18-G	18-G	18-I	18-J
	SURFACE	SURFACE	SURFACE	SURFACE	SURFACE	SURFACE	SURFACE	SURFACE	SURFACE	SURFACE
Tetrachloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toluene	BDL	BLD	BLD	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
m+p-Xylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
o-Xylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2,-Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

CHART LEGEND:

SO-10-18	SOIL BORING/SAMPLE NUMBER
6-12"BGS	SAMPLE DEPTH
C: 27.00	PARAMETER CONCENTRATION LEVEL
	SAMPLED PARAMETERS

BGS Below Ground Surface
BDL Below Detectable Level
SW Surface Water
SS Sediment Surface
1,2-Dichloropropane (mg/kg)
Ethylbenzene (ug/kg)
Napthalene (ug/kg)
Toluene (ug/kg)
Tetrachloroethene (ug/kg)
1,2,4-Trimethylbenzene (ug/kg)
m+p-Xylene (ug/kg)
o-Xylene (ug/kg)

LEGEND:

SWMU #18 STORM SEWER SYSTEM

18-B△ SOIL SAMPLE LOCATION

CLIENT: THE WILLIAM L. BONNELL COMPANY		SWMU CORRECTIVE ACTION SAMPLE LOCATIONS FOR SWMU #18	
LOCATION: 25 BONNELL STREET			
CITY & STATE: NEWNAN, GA		DATE: 2/24/96	DRAWING NUMBER: B-113 REV. NO.
TW², Inc.	DRAWN BY: JL WADE / PREPARED BY:	REVISED: 5/31/96	FIGURE 18 1
	CHECKED BY: / APPROVED BY:	SCALE: 1"=100'	

C:\WADE\C ,TW2\B-113 Mon Jun 03 07:42:00 1996 BY: JL Wade

2 FT. DEPTH	SO-19-3	SO-19-2	SO-19-1
Cd	BDL	BDL	BDL
Cr	98	100	140
Ni	15	22	36
TPH	99	52	70
Methylene Chloride	BDL	BDL	BDL

3 FT. DEPTH	SO-19-3	SO-19-2	SO-19-1
Cr	21	33	23

TOTAL VOLUME OF EXCAVATION = 3,149 C.F.

AT LOCATIONS SO-19-1, SO-19-2, AND SO-19-3 ORIGINAL EXCAVATION TO 2 FT. DEPTH. ADDITIONAL EXCAVATION TO A TOTAL DEPTH OF 3 FT.

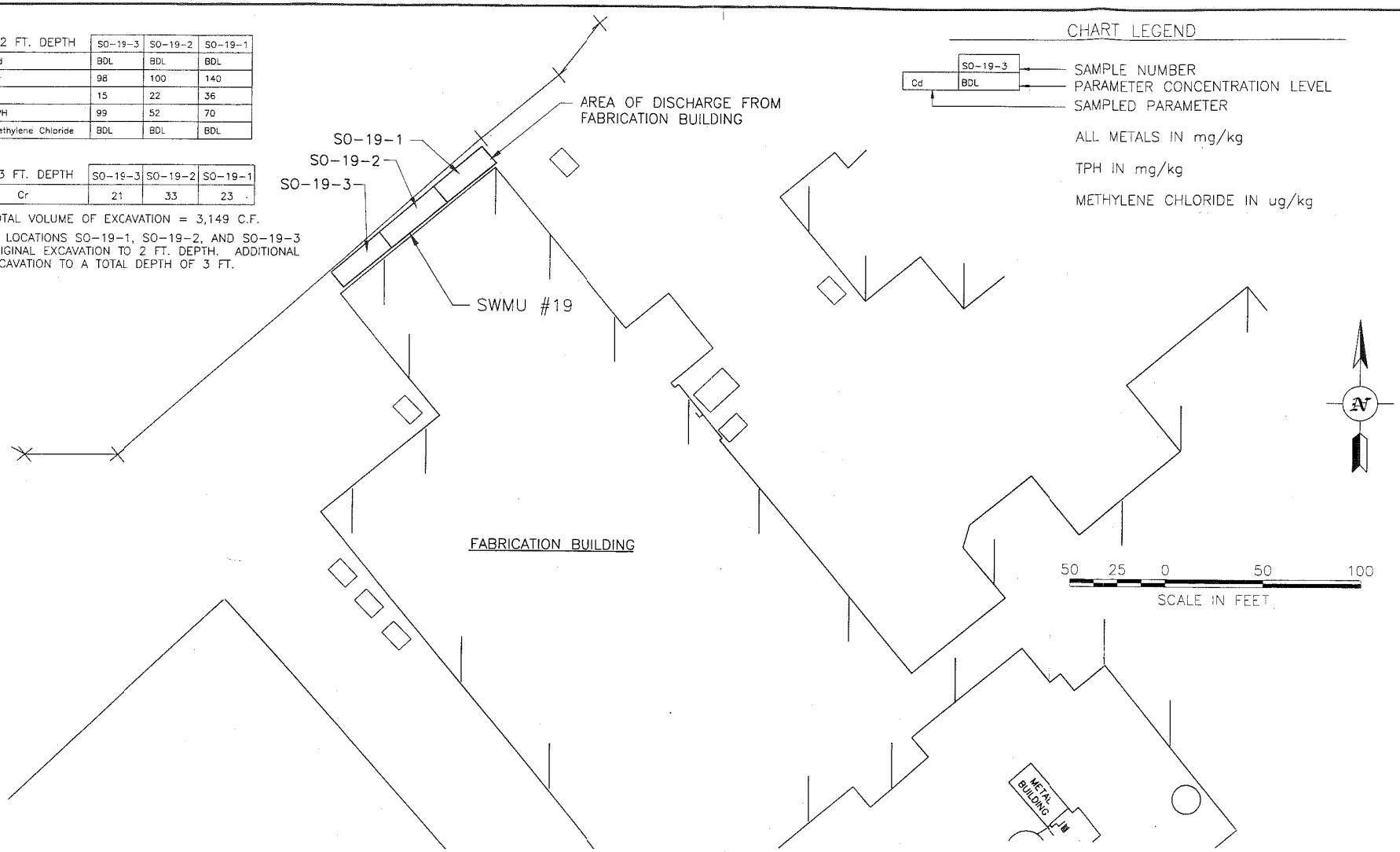


CHART LEGEND

SO-19-3 / Cd / BDL

SAMPLE NUMBER
PARAMETER CONCENTRATION LEVEL
SAMPLED PARAMETER

ALL METALS IN mg/kg

TPH IN mg/kg

METHYLENE CHLORIDE IN ug/kg

CLIENT: THE WILLIAM L. BONNELL COMPANY			SWMU CORRECTIVE ACTION SAMPLE LOCATIONS FOR SWMU #19
LOCATION: 25 BONNELL STREET			
CITY & STATE: NEWNAN, GA			DATE: 3/26/96
TW², Inc.	DRAWN BY: JL WADE	PREPARED BY:	REVISED: 5/31/96
	CHECKED BY:	APPROVED BY:	SCALE: 1"=50'

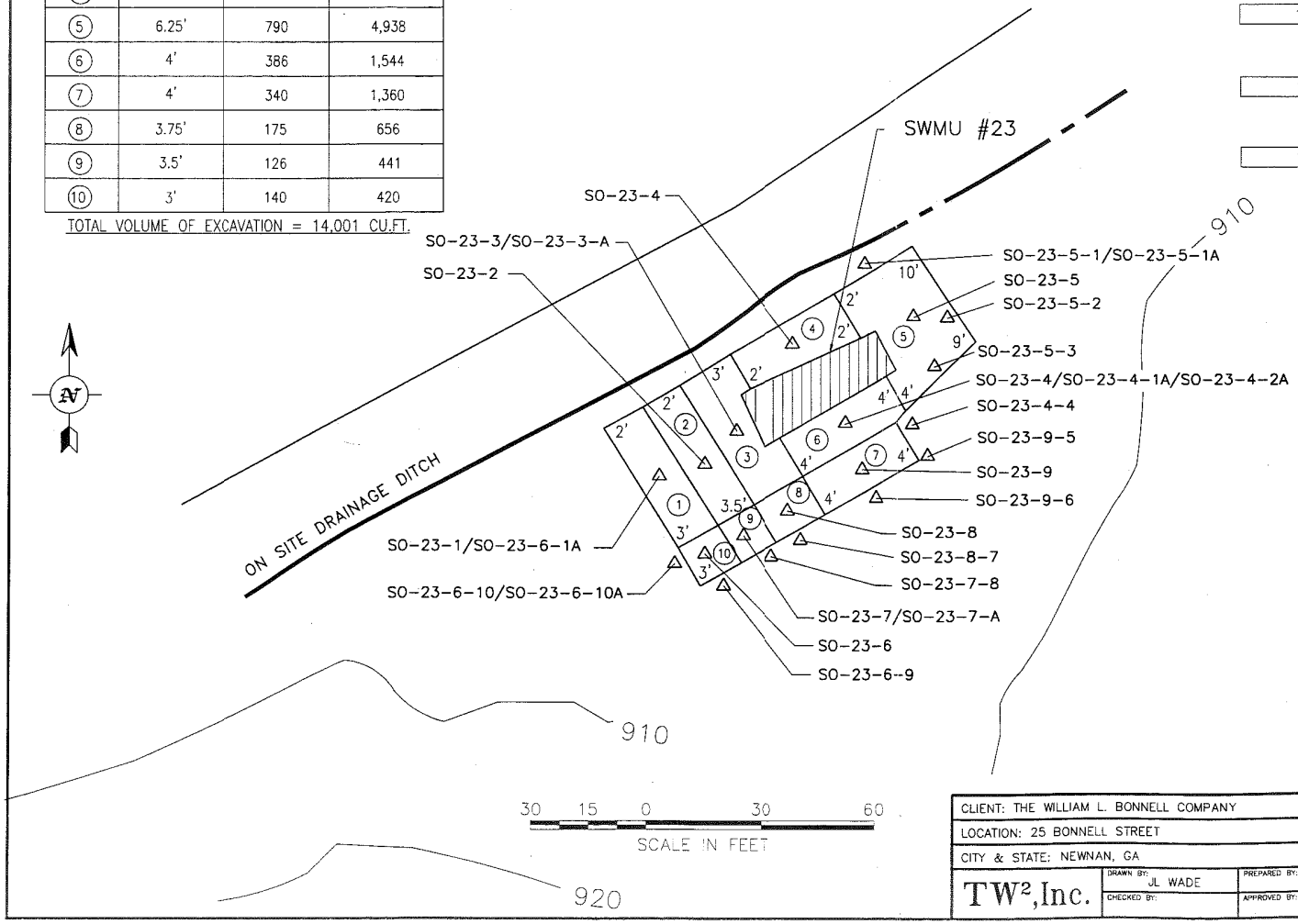
DRAWING NUMBER: B-114 REV. NO.

FIGURE 19 1

C:\WADE\ \TW2\B-114 Fri Jun 07 07:45:53 1996 BY: JL Wade

VOLUME OF EXCAVATION			
AREA NO.	AVG. DEPTH	AREA (S.F.)	VOLUME (C.F.)
1	2.5'	433	1,082
2	2.75'	408	1,122
3	3.25'	510	1,658
4	2'	390	780
5	6.25'	790	4,938
6	4'	386	1,544
7	4'	340	1,360
8	3.75'	175	656
9	3.5'	126	441
10	3'	140	420

TOTAL VOLUME OF EXCAVATION = 14,001 CU.FT.



	SO-23-1	SO-23-2	SO-23-3	SO-23-4	SO-23-5	SO-23-6	SO-23-7	SO-23-8	SO-23-9
	SURFACE	SURFACE	SURFACE	SURFACE	SURFACE	SURFACE	SURFACE	SURFACE	SURFACE
TPH	400	27	1900	780	BDL	380	630	110	44
cis-1,2,-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

	SO-23-5-1	SO-23-5-2	SO-23-5-3	SO-23-4-4	SO-23-9-5
	SURFACE	SURFACE	SURFACE	SURFACE	SURFACE
TPH	540	340	34	170	250

	SO-23-9-6	SO-23-8-7	SO-23-7-8	SO-23-6-9	SO-23-6-10
	SURFACE	SURFACE	SURFACE	SURFACE	SURFACE
TPH	240	61	80	26	770

	SO-23-3-A	SO-23-4-1A	SO-23-4-2A	SO-23-5-1A	
	SURFACE	SURFACE	SURFACE	SURFACE	
TPH	75	BDL	15	300	

	SO-23-6-10A	SO-23-7-A
	SURFACE	SURFACE
TPH	220	25

CHART LEGEND:

SO-10-18 — SOIL BORING/SAMPLE NUMBER
6-12"BGS — SAMPLE DEPTH
Cr 27.00 — PARAMETER CONCENTRATION LEVEL
SAMPLED PARAMETERS

BGS Below Ground Surface
BDL Below Detectable Level
TPH Total Petroleum Hydrocarbons (mg/kg)
cis-1,2-Dichloroethene (ug/kg)

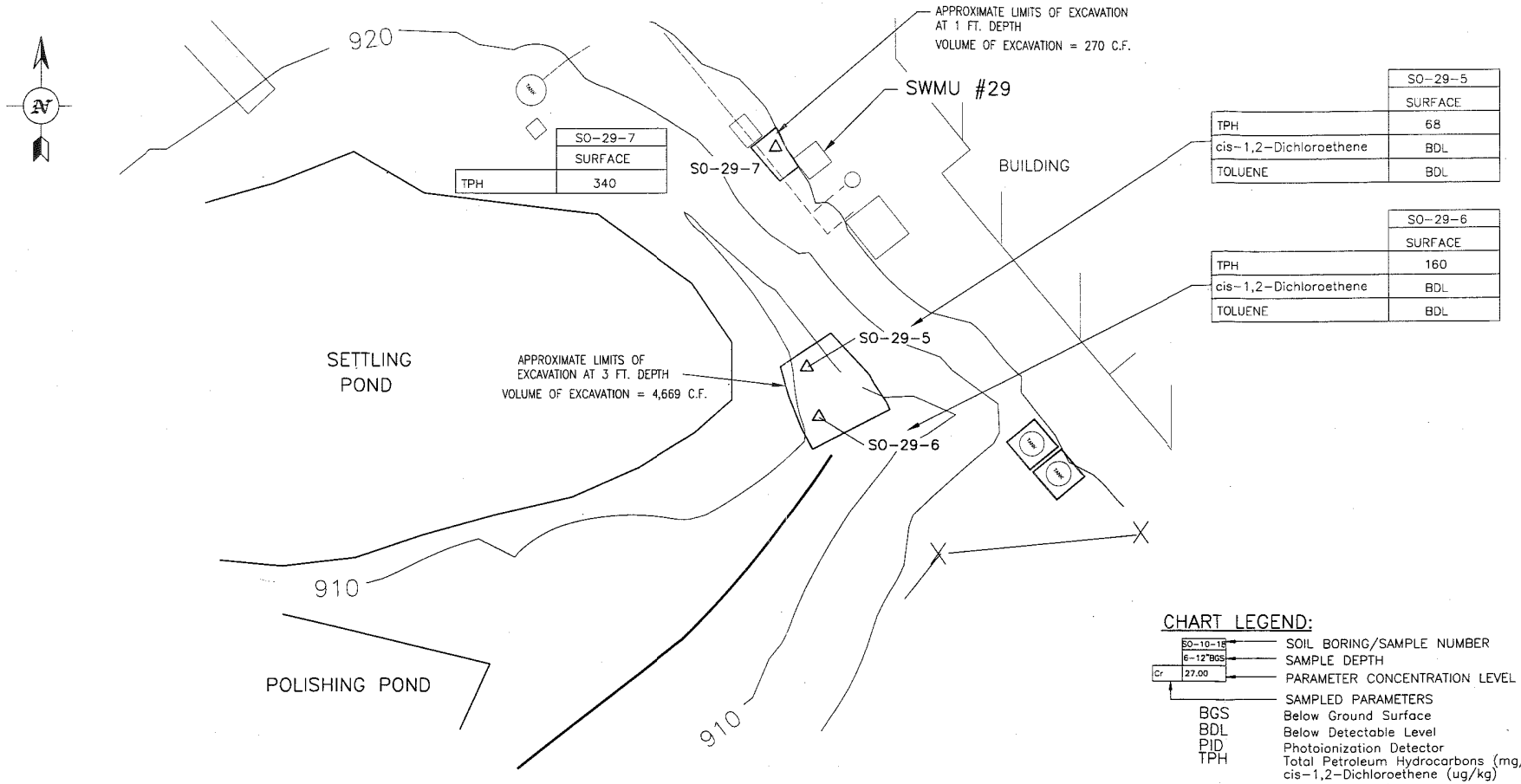
LEGEND:

SWMU #23 INACTIVE OIL/WATER SEPARATOR

△SO-18-1 SOIL SAMPLE LOCATION

CLIENT: THE WILLIAM L. BONNELL COMPANY		SWMU CORRECTIVE ACTION SAMPLE LOCATIONS FOR SWMU #23	
LOCATION: 25 BONNELL STREET			
CITY & STATE: NEWNAN, GA		DATE: 2/24/96	DRAWING NUMBER: B-216R1 REV. NO.
TW², Inc.	DRAWN BY: JL WADE; PREPARED BY:	REVISED: 5/31/96	FIGURE 23 1
	CHECKED BY: APPROVED BY:	SCALE: 1"=30'	

C:\WADE\ ...TW2\B-216R1 Mon Jun 03 07:43:56 1996 BY: JL Wade



	SO-29-7
	SURFACE
TPH	340

	SO-29-5
	SURFACE
TPH	68
cis-1,2-Dichloroethene	BDL
TOLUENE	BDL

	SO-29-6
	SURFACE
TPH	160
cis-1,2-Dichloroethene	BDL
TOLUENE	BDL

CHART LEGEND:

SO-10-18 — SOIL BORING/SAMPLE NUMBER
6-12'BGS — SAMPLE DEPTH
Cr 27.00 — PARAMETER CONCENTRATION LEVEL
SAMPLED PARAMETERS

BGS Below Ground Surface
BDL Below Detectable Level
PID Photoionization Detector
TPH Total Petroleum Hydrocarbons (mg/kg)
cis-1,2-Dichloroethene (ug/kg)
Toluene (ug/kg)

LEGEND:

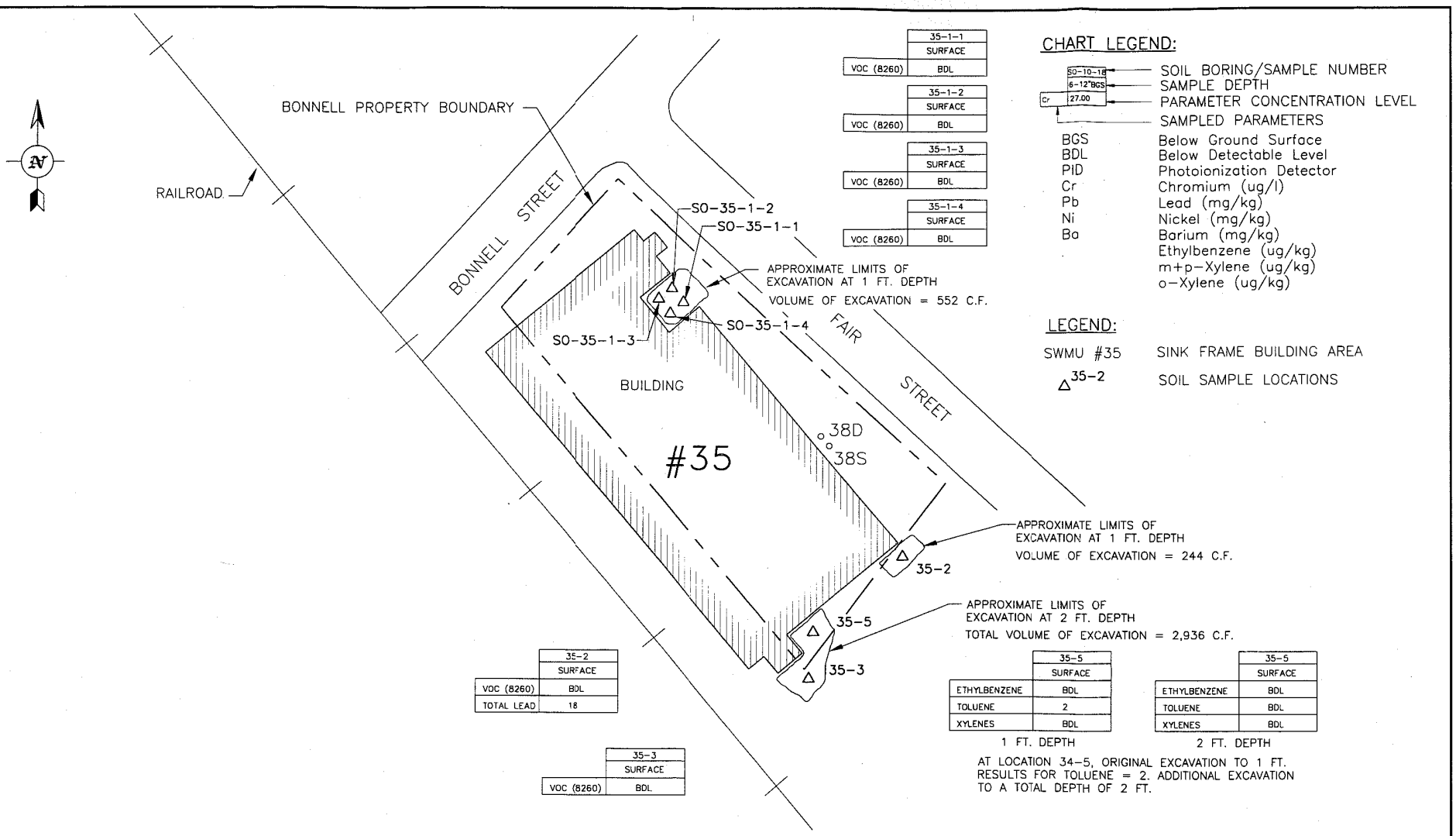
SWMU #29 STEAM CLEANER AREA

△SO-29-5 SOIL GAS PROBE LOCATION

50 25 0 50 100
SCALE IN FEET

CLIENT: THE WILLIAM L. BONNELL COMPANY			SWMU CORRECTIVE ACTION SAMPLE LOCATIONS FOR SWMU #29		
LOCATION: 25 BONNELL STREET					
CITY & STATE: NEWNAN, GA			DATE: 2/24/96	DRAWING NUMBER: B-221	REV. NO.
TW², Inc.	DRAWN BY: JL WADE	PREPARED BY:	REVISED: 5/31/96	FIGURE 29	1
	CHECKED BY:	APPROVED BY:	SCALE: 1"=50'		

C:\WADE\ TW2\B-221 Mon Jun 03 07:44:19 1996 BY: JL Wade



35-1-1	
	SURFACE
VOC (8260)	BDL

35-1-2	
	SURFACE
VOC (8260)	BDL

35-1-3	
	SURFACE
VOC (8260)	BDL

35-1-4	
	SURFACE
VOC (8260)	BDL

35-2	
	SURFACE
VOC (8260)	BDL
TOTAL LEAD	18

35-3	
	SURFACE
VOC (8260)	BDL

35-5	
	SURFACE
ETHYLBENZENE	BDL
TOLUENE	2
XYLENES	BDL

1 FT. DEPTH

35-5	
	SURFACE
ETHYLBENZENE	BDL
TOLUENE	BDL
XYLENES	BDL

2 FT. DEPTH

AT LOCATION 34-5, ORIGINAL EXCAVATION TO 1 FT. RESULTS FOR TOLUENE = 2. ADDITIONAL EXCAVATION TO A TOTAL DEPTH OF 2 FT.

CHART LEGEND:

SO-10-18	SOIL BORING/SAMPLE NUMBER
6-12'BGS	SAMPLE DEPTH
Cr 27.00	PARAMETER CONCENTRATION LEVEL
	SAMPLED PARAMETERS

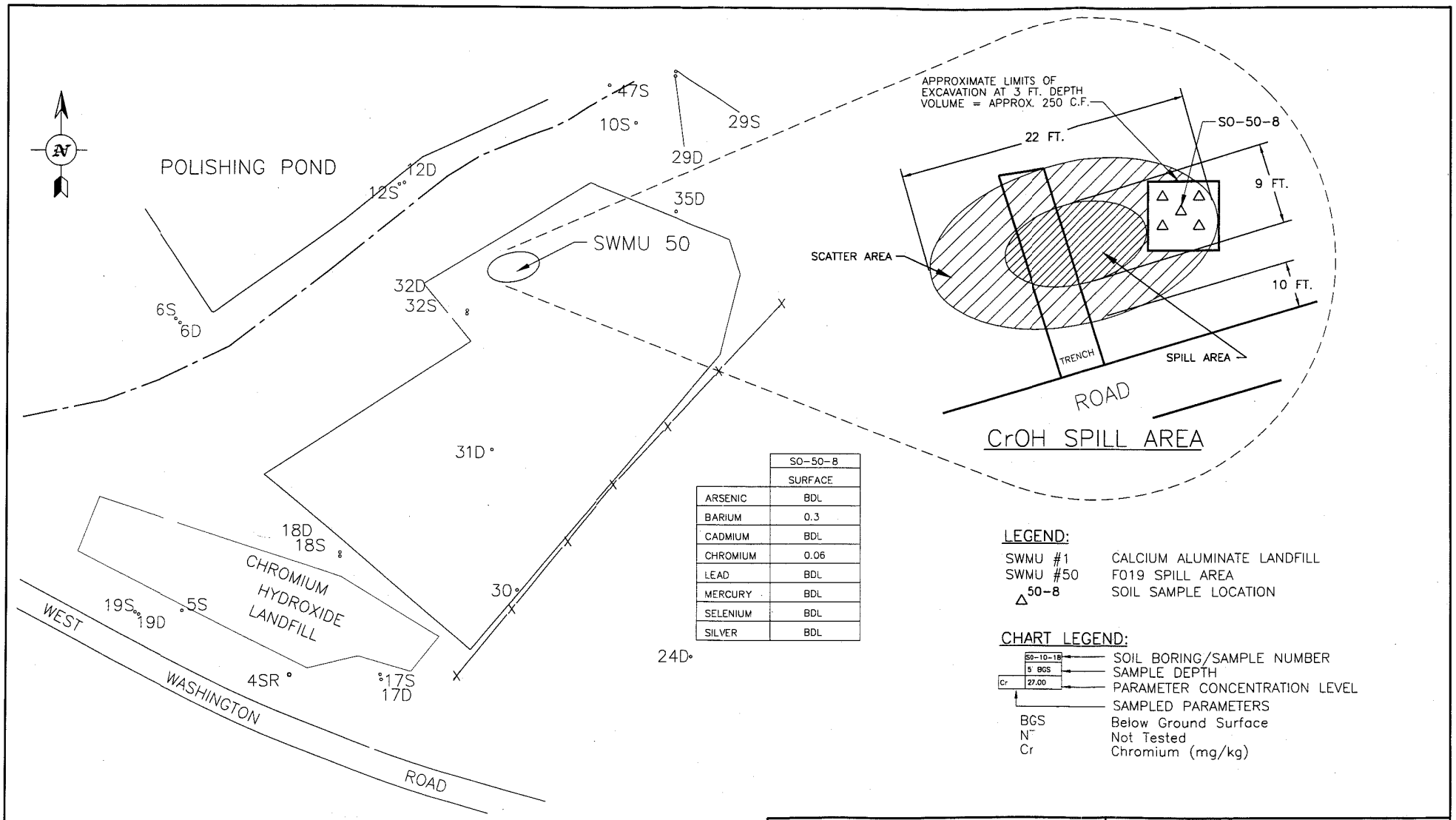
BGS	Below Ground Surface
BDL	Below Detectable Level
PID	Photoionization Detector
Cr	Chromium (ug/l)
Pb	Lead (mg/kg)
Ni	Nickel (mg/kg)
Ba	Barium (mg/kg)
	Ethylbenzene (ug/kg)
	m+p-Xylene (ug/kg)
	o-Xylene (ug/kg)

LEGEND:

SWMU #35	SINK FRAME BUILDING AREA
$\triangle^{35-2}$	SOIL SAMPLE LOCATIONS

CLIENT: THE WILLIAM L. BONNELL COMPANY		SWMU CORRECTIVE ACTION SAMPLE LOCATIONS FOR SWMU #35	
LOCATION: 25 BONNELL STREET			
CITY & STATE: NEWNAN, GA		DATE: 2/24/96	DRAWING NUMBER: B-122 / REV. NO.
TW², Inc.	DRAWN BY: JL WADE; PREPARED BY:	REVISED: 5/31/96	FIGURE 35 / 1
	CHECKED BY: ; APPROVED BY:	SCALE: 1"=50'	

C:\WADE\ .\TW2\B-122 Wed Jun 05 08:02:29 1996 BY: JL Wade



	SO-50-8
	SURFACE
ARSENIC	BDL
BARIUM	0.3
CADMIUM	BDL
CHROMIUM	0.06
LEAD	BDL
MERCURY	BDL
SELENIUM	BDL
SILVER	BDL

LEGEND:

SWMU #1	CALCIUM ALUMINATE LANDFILL
SWMU #50	F019 SPILL AREA
△ SO-50-8	SOIL SAMPLE LOCATION

CHART LEGEND:

SO-10-18 — SOIL BORING/SAMPLE NUMBER
5 BGS — SAMPLE DEPTH
Cr 27.00 — PARAMETER CONCENTRATION LEVEL
SAMPLED PARAMETERS

BGS	Below Ground Surface
N⁻	Not Tested
Cr	Chromium (mg/kg)

CLIENT: THE WILLIAM L. BONNELL COMPANY			SWMU CORRECTIVE ACTION SAMPLE LOCATIONS FOR SWMU #50	
LOCATION: 25 BONNELL STREET				
CITY & STATE: NEWNAN, GA			DATE: 2/27/96	DRAWING NUMBER: B-100 REV. NO.
TW², Inc.	DRAWN BY: JL WADE	PREPARED BY:	REVISED: 5/31/96	
	CHECKED BY:	APPROVED BY:	SCALE: 1"=100'	FIGURE 50 1

C:\WADE\ S\TW2\B-100 Mon Jun 03 07:38:43 1996 BY: JL Wade

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ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
(404) 734-4200 • FAX (404) 734-4201

LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

July 26, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64209-1

Sample: Soil, grab, SO-13-1-1, 7/17/95, 9:10, received 7/17/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
Toluene.....	BDL	5

BDL - Below Detection Limit

Respectfully submitted,

By: Elena T. Rodriguez

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
(404) 734-4200 • FAX (404) 734-4201

LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

July 26, 1995

P.O. No. 212181-OP

Report No. 64209-2

Attention: Mr. Terry Snell

Sample: Soil, grab, SO-13-1-2, 7/17/95, 9:10, received 7/17/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
Toluene.....	BDL	5

BDL - Below Detection Limit

Respectfully submitted,

By: Elena O. Rodriguez

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
(404) 734-4200 • FAX (404) 734-4201

LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

July 21, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64251

Sample: Soil, composite, SWMU Remediation, 7/19/95, received 7/19/95

RESULTS

		Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)
-1)	SWMU-SO-14-7-1	BDL
-2)	SWMU-SO-14-4-1	BDL
	Detection Limit	10

BDL - Below Detection Limit

Respectfully submitted,

By: Rachel Fried

ASI ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

390 TRABERT AVENUE • ATLANTA, GEORGIA 30309 • (404) 892-8144

FAX (404) 892-2740 • Federal I.D. # 58-1625655

CHAIN OF CUSTODY RECORD

PROJECT NUMBER	PROJECT NAME: SWMU Remediation
CLIENT NAME: William L. Bonnell	
PROJECT MANAGER: Terry Snell	COPY TO: Terry Snell
REQUESTED COMP. DATE: 24 Hrs.	SAMPLING REQUIREMENTS: SDWA ☐ NPDES ☐ RCRA ☐ OTHER ✓

CLIENT ADDRESS AND PHONE NUMBER

FOR LAB USE ONLY: LAB# 64251

LAB #

PROJECT NO.

ACK | VERIFIED

QUOTE# | BS

NO. OF SAMP 2 | PG 1 | OF 1

STA NO.	DATE	TIME	COMP	GRAB	SOIL	SAMPLE DESCRIPTIONS	# OF CONTAINERS	ANALYSES REQUESTED: TPH	LAB ID	REMARKS
	7-19-95		X			SWMU-50-14-7-1	1	X		
	7-19-95		X			SWMU-50-14-4-1	1	X		

SAMPLED BY AND TITLE: DAVID WIGGINS Env. Spec.	DATE/TIME: 7-19-95 8:30	RELINQUISHED BY: David Wiggins	DATE/TIME: 7-19-95 9:30
RECEIVED BY: Donnie Owens	DATE/TIME: 7-19-95 9:30	RELINQUISHED BY:	DATE/TIME
RECEIVED BY:	DATE/TIME	RELINQUISHED BY:	DATE/TIME
RECEIVED BY LAB: Ciel M. Migel	DATE/TIME: 7/19/95 11:13	SAMPLE SHIPPED VIA: UPS BUS FED-EX (HAND) OTHER E.J.	AIR BILL #

HAZWRAP/NEESA Y N

QC LEVEL 1 2 3 ✓

COC ✓ | ICE ✓

ANA REQ | TEMP 2°C

CUST SEAL no | PH N/A

SAMPLE COND. good

ENTERED INTO LIMS _____ | COC REVIEWD _____

REMARKS: 2 containers + QC 7/19/95 11:45

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
(404) 734-4200 • FAX (404) 734-4201

LABORATORY REPORT

Bonnell Co. Inc., William L.
PO Box 428
Newnan, GA 30264

July 19, 1995

P.O. No. 212181-OP

Report No. 64179

Attention: Mr. Terry Snell

Sample: Soil, composite, 7/17/95, received 7/17/95

RESULTS

		Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)
-1)	SO-14-6, 11:45	BDL
-2)	SO-14-7, 12:15	560
	Detection Limit	10

BDL - Below Detection Limit

Respectfully submitted,

By: Jill Warren

ASI ANALYTICA[illegible] SERVICES, INC.
ENVIRONMENTAL MON[illegible]ORING & LABORATORY ANALYSIS
110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092 • (404) 734-4200
FAX (404) 734-4201 • Federal I.D. #58-1625655

CHAIN OF CUSTODY RECORD

PROJECT NUMBER	
PROJECT NAME	Soil Samples
CLIENT NAME	William L. Bonnell
PROJECT MANAGER	Terry Snell
COPY TO:	
REQUESTED COMP. DATE	24hr
SAMPLING REQUIREMENTS	SDWA ☐ NPDES ☐ RCRA ☐ OTHER ____
CLIENT ADDRESS AND PHONE NUMBER	25 Bonnell St. Newnan, Ga 253-2020

ANALYSES REQUESTED

STA NO.	DATE	TIME	COMP	GRAB	SOIL	SAMPLE DESCRIPTIONS	# OF CONTAINERS	TPH	LAB ID	REMARKS
1	7/17	1145	X			50-14-6	2	2		* Please Fax results immediately To Mr. Snell
2	7/17	1215	X			50-14-7	2	2		

FOR LAB USE ONLY

LAB#	64179
LAB #	
PROJECT NO.	
ACK	VERIFIED
QUOTE#	BS
NO. OF SAMP 2	PG 1 OF 1

SAMPLED BY AND TITLE	[signature] Fuel Spr
DATE/TIME	7/17/95 Scr alum
RELINQUISHED BY	[signature]
DATE/TIME	7/17/95 1415
RECEIVED BY:	
DATE/TIME	
RELINQUISHED BY:	
DATE/TIME	
RECEIVED BY:	
DATE/TIME	
RELINQUISHED BY:	
DATE/TIME	
RECEIVED BY LAB:	Cecil M. Miguel
DATE/TIME	7/17/95 14:20
SAMPLE SHIPPED VIA	UPS BUS FED-EX (HAND) OTHER ____
AIR BILL #	
REMARKS	4 containers # cm

HAZWRAP/NEESA Y N	
QC LEVEL 1 2 3	✓
COC	✓
ICE	✓
ANA REQ	
TEMP	5°C
CUST SEAL	no
PH	n/a
SAMPLE COND.	good
ENTERED INTO LIMS	____
COC REVIEWD	____

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ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
(404) 734-4200 • FAX (404) 734-4201

LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

July 31, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64386-4

Sample: Soil, composite, SO-14-8, 7/21/95, 15:35, received 7/21/95

RESULTS

	Result	Detection Limit
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M) ..	BDL	10

BDL - Below Detection Limit

Respectfully submitted
By: [signature]

cc: Mr. Brian Dolihite
EMCON

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ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
(404) 734-4200 • FAX (404) 734-4201

LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

July 26, 1995

P.O. No. 212181-OP

Report No. 64209-10

Attention: Mr. Terry Snell

Sample: Soil, grab, SO-16-2, 7/17/95, 10:30, received 7/17/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
1,1-Dichloroethane	BDL	5
1,1,1-Trichloroethane	BDL	5
Chloroform	BDL	5

BDL - Below Detection Limit

Respectfully submitted,

By: Elena L Rodriguez

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
(404) 734-4200 • FAX (404) 734-4201

LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

July 26, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64209-11

Sample: Soil, composite, SO-16-2, 7/17/95, 10:30, received 7/17/95

RESULTS

	Result	Detection Limit
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)	89	10

Respectfully submitted,

By: Elena C. Rodriguez

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
(404) 734-4200 • FAX (404) 734-4201

LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

July 26, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64240-1

Sample: Soil, composite, SO-16, 7/18/95, 13:45, received 7/18/95

RESULTS

	Result	Detection Limit
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)	480	10
Volatile Organics (EPA 8260) (1-4 analytes)	(ug/kg)	(ug/kg)
1,1-Dichloroethane	BDL	5
1,1,1-Trichloroethane	BDL	5
Chloroform	BDL	5

BDL - Below Detection Limit

Respectfully submitted,

By: Jill Warren

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
(404) 734-4200 • FAX (404) 734-4201

LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

July 26, 1995

P.O. No. 212181-OP

Report No. 64240-2

Attention: Mr. Terry Snell

Sample: Water, grab, SO-16, 7/18/95, 13:50, received 7/18/95

RESULTS

	Result	Detection Limit
Total Petroleum Hydrocarbons (mg/l)(EPA 418.1)	BDL	1
Volatile Organics (EPA 8260)(1-4 analytes)	(ug/l)	(ug/l)
1,1-Dichloroethane.....	BDL	2
1,1,1-Trichloroethane.....	18	2
Chloroform.....	BDL	2

BDL - Below Detection Limit

Respectfully submitted,

By: Jill Warner

ASI ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS
110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092 • (404) 734-4200
FAX (404) 734-4201 • Federal I.D. #58-1625655

CHAIN OF CUSTODY RECORD

PROJECT NUMBER	PROJECT NAME: Soil samples
CLIENT NAME: Bonnell	
PROJECT MANAGER: Terry Snell	COPY TO:
REQUESTED COMP. DATE: Normal	SAMPLING REQUIREMENTS: SDWA ☐ NPDES ☐ RCRA ☐ OTHER ☐

CLIENT ADDRESS AND PHONE NUMBER: 235-2020
@S Bonnell St. Newnan Ga.

STA NO.	DATE	TIME	COMP	GRAB	SOIL	SAMPLE DESCRIPTIONS	# OF CONTAINERS	TPH	VOC	LAB ID
1	7/18	1345	X			SO-16	2	1	1	
2	7/18	1350		X		SO-16	4	1	3	

ANALYSES REQUESTED

FOR LAB USE ONLY
LAB# 64240
LAB #
PROJECT NO.
ACK | VERIFIED
QUOTE# | BS
NO. OF SAMP 2 | PG 1 | OF 1

REMARKS
Soil am
Water 7/18

SAMPLED BY AND TITLE: Field Spv
DATE/TIME: 7/18/95 See above
RECEIVED BY:
DATE/TIME
RECEIVED BY:
DATE/TIME
RECEIVED BY LAB: Cecil M. Miguel
DATE/TIME: 7/18/95 16:40
REMARKS: 10 containers

RELINQUISHED BY:
DATE/TIME: 7/18/95 16:30
RELINQUISHED BY:
DATE/TIME
RELINQUISHED BY:
DATE/TIME
SAMPLE SHIPPED VIA: UPS BUS FED-EX (HAND) OTHER
AIR BILL #

HAZWRAP/NEESA Y N
QC LEVEL 1 2 3
COC ✓ | ICE ✓
ANA REQ | TEMP 4°C
CUST SEAL no | PH n/a
SAMPLE COND. good

ENTERED INTO LIMS _____ COC REVIEWD _____

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64597-4

Sample: Soil, grab, SWMU Remediation, SWMU-16-1, 7/28/95, 15:40, received 7/28/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
1,1-Dichloroethane	BDL	5
1,1,1-Trichloroethane	BDL	5
Chloroform	BDL	5

BDL - Below Detection Limit

Respectfully submitted,

By:

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212181-OP

Report No. 64597-5

Attention: Mr. Terry Snell

Sample: Soil, composite, SWMU Remediation, SWMU-16-1, 7/28/95, 15:41, received 7/28/95

RESULTS

	Result	Detection Limit
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)	430	10

Respectfully submitted,

By:

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64597-6

Sample: Soil, grab, SWMU Remediation, SWMU-16-2, 7/28/95, 15:43, received 7/28/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
1,1-Dichloroethane.....	BDL	5
1,1,1-Trichloroethane.....	BDL	5
Chloroform.....	BDL	5

BDL - Below Detection Limit

Respectfully submitted,

By: Robert D. [illegible]

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64597-7

Sample: Soil, composite, SWMU Remediation, SWMU-16-2, 7/28/95, 15:44, received 7/28/95

RESULTS

	Result	Detection Limit
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)	73	10

Respectfully submitted,

By: Robert D. [illegible] Jr.

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64597-8

Sample: Soil, grab, SWMU Remediation, SWMU-16-3, 7/28/95, 15:45, received 7/28/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
1,1-Dichloroethane.....	BDL	5
1,1,1-Trichloroethane.....	BDL	5
Chloroform.....	BDL	5

BDL - Below Detection Limit

Respectfully submitted,

By: Robert D. Ogle Jr.

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64597-9

Sample: Soil, composite, SWMU Remediation, SWMU-16-3, 7/28/95, 15:46, received 7/28/95

RESULTS

	Result	Detection Limit
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)	130	10

Respectfully submitted,

By: Robert D. Jr.

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64597-10

Sample: Soil, grab, SWMU Remediation, SWMU-16-4, 7/28/95, 15:48, received 7/28/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
1,1-Dichloroethane	BDL	5
1,1,1-Trichloroethane	BDL	5
Chloroform	BDL	5

BDL - Below Detection Limit

Respectfully submitted,

By:

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64597-11

Sample: Soil, composite, SWMU Remediation, SWMU-16-4, 7/28/95, 15:49, received 7/28/95

RESULTS

	Result	Detection Limit
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)	55	10

Respectfully submitted,

By: Robert D. Ogg

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64597-12

Sample: Soil, grab, SWMU Remediation, SWMU-16-5, 7/28/95, 15:50, received 7/28/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
1,1-Dichloroethane	BDL	5
1,1,1-Trichloroethane	BDL	5
Chloroform	BDL	5

BDL - Below Detection Limit

Respectfully submitted,

By: [signature]

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ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64597-13

Sample: Soil, composite, SWMU Remediation, SWMU-16-5, 7/28/95, 15:51, received 7/28/95

RESULTS

	Result	Detection Limit
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)	900	10

Respectfully submitted,

By: Robert D. Ong Jr.

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ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64597-14

Sample: Soil, grab, SWMU Remediation, SWMU-16-6, 7/28/95, 15:53, received 7/28/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
1,1-Dichloroethane	BDL	5
1,1,1-Trichloroethane	BDL	5
Chloroform	BDL	5

BDL - Below Detection Limit

Respectfully submitted,

By: Robert D. [illegible]

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64597-15

Sample: Soil, composite, SWMU Remediation, SWMU-16-6, 7/28/95, 15:54, received 7/28/95

RESULTS

	Result	Detection Limit
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)	BDL	10

BDL - Below Detection Limit

Respectfully submitted,

By: Robert D. [illegible]

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212181-OP

Report No. 64597-16

Attention: Mr. Terry Snell

Sample: Soil, grab, SWMU Remediation, SWMU-16-7, 7/28/95, 15:56, received 7/28/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
1,1-Dichloroethane	BDL	5
1,1,1-Trichloroethane	BDL	5
Chloroform	BDL	5

BDL - Below Detection Limit

Respectfully submitted,

By: Robert D. Ogden

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64597-17

Sample: Soil, composite, SWMU Remediation, SWMU-16-7, 7/28/95, 15:57, received 7/28/95

RESULTS

	Result	Detection Limit
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)	BDL	10

BDL - Below Detection Limit

Respectfully submitted,

By: Robert D. [illegible]

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212181-OP

Report No. 64597-18

Attention: Mr. Terry Snell

Sample: Soil, grab, SWMU Remediation, SWMU-16-8, 7/28/95, 15:59, received 7/28/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
1,1-Dichloroethane	BDL	5
1,1,1-Trichloroethane	BDL	5
Chloroform	BDL	5

BDL - Below Detection Limit

Respectfully submitted,

By: Robert D. Ogle Jr.

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64597-19

Sample: Soil, composite, SWMU Remediation, SWMU-16-8, 7/28/95, 16:00, received 7/28/95

RESULTS

	Result	Detection Limit
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)	250	10

Respectfully submitted,

By: Robert D. Ogden Jr.

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ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212594-OP

Report No. 64672-10

Attention: Mr. Terry Snell

Sample: Soil, composite, SO-16-5, 8/1/95, 16:30, received 8/1/95

RESULTS

	Result	Detection Limit
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M).....	480	10

Respectfully submitted,

By: Kerry Green

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ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

July 31, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64386-11

Sample: Soil, grab, SO-17-2, 7/21/95, 15:25, received 7/21/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
1,1,1-Trichloroethane.....	BDL	2

BDL - Below Detection Limit

Respectfully submitted,

By: Robert D. Oldham

cc: Mr. Brian Dolihite
EMCON

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ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

July 31, 1995

P.O. No. 212181-OP

Report No. 64386-3

Attention: Mr. Terry Snell

Sample: Soil, composite, SO-17-2, 7/21/95, 15:25, received 7/21/95

RESULTS

	Result	Detection Limit
Total Chromium (Cr) (mg/kg) (EPA 6010).....	31	1.0
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M).....	96	10

Respectfully submitted,

By: Robert D. [illegible]

cc: Mr. Brian Dolihite
EMCON

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64511-1

Sample: Soil, grab, SWMU Remediation, SWMU-18-A, 7/26/95, 13:45, received 7/26/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
Tetrachloroethene	BDL	5
Toluene	BDL	5
Trichloroethene	BDL	5
m+p-Xylene	BDL	10
o-Xylene	BDL	10
Ethylbenzene	BDL	5
1,2,4-Trimethylbenzene	BDL	10
cis-1,2-Dichloroethene	BDL	5
Base/Neutral Extractable Organics (EPA 8270)		
Naphthalene	BDL	10

BDL - Below Detection Limit

Respectfully submitted,

By: Terry Snell

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ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64511-2

Sample: Soil, grab, SWMU Remediation, SWMU-18-B, 7/26/95, 13:50, received 7/26/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
Tetrachloroethene	BDL	5
Toluene	BDL	5
Trichloroethene	BDL	5
m+p-Xylene	BDL	10
o-Xylene	BDL	10
Ethylbenzene	BDL	5
1,2,4-Trimethylbenzene	BDL	10
cis-1,2-Dichloroethene	BDL	5
Base/Neutral Extractable Organics (EPA 8270)		
Naphthalene	BDL	10

BDL - Below Detection Limit

Respectfully submitted,

By: Terry Snell

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212181-OP

Report No. 64511-3

Attention: Mr. Terry Snell

Sample: Soil, grab, SWMU Remediation, SWMU-18-C, 7/26/95, 13:55, received 7/26/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
Tetrachloroethene	BDL	5
Toluene	BDL	5
Trichloroethene	BDL	5
m+p-Xylene	BDL	10
o-Xylene	BDL	10
Ethylbenzene	BDL	5
1,2,4-Trimethylbenzene	BDL	10
cis-1,2-Dichloroethene	BDL	5
Base/Neutral Extractable Organics (EPA 8270)		
Naphthalene	BDL	10

BDL - Below Detection Limit

Respectfully submitted,

By:

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212181-OP

Report No. 64511-4

Attention: Mr. Terry Snell

Sample: Soil, grab, SWMU Remediation, SWMU-18-D, 7/26/95, 13:57, received 7/26/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
Tetrachloroethene	BDL	5
Toluene	BDL	5
Trichloroethene	BDL	5
m+p-Xylene	BDL	10
o-Xylene	BDL	10
Ethylbenzene	BDL	5
1,2,4-Trimethylbenzene	BDL	10
cis-1,2-Dichloroethene	BDL	5
Base/Neutral Extractable Organics (EPA 8270)		
Naphthalene	BDL	10

BDL - Below Detection Limit

Respectfully submitted,

By: Terry Snell

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212181-OP

Report No. 64511-5

Attention: Mr. Terry Snell

Sample: Soil, grab, SWMU Remediation, SWMU-18-E, 7/26/95, 14:00, received 7/26/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
Tetrachloroethene	BDL	5
Toluene	BDL	5
Trichloroethene	BDL	5
m+p-Xylene	BDL	10
o-Xylene	BDL	10
Ethylbenzene	BDL	5
1,2,4-Trimethylbenzene	BDL	10
cis-1,2-Dichloroethene	BDL	5
Base/Neutral Extractable Organics (EPA 8270)		
Naphthalene	BDL	10

BDL - Below Detection Limit

Respectfully submitted,

By: Terry Snell

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212181-OP

Report No. 64511-6

Attention: Mr. Terry Snell

Sample: Soil, grab, SWMU Remediation, SWMU-18-F, 7/26/95, 14:05, received 7/26/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
Tetrachloroethene	BDL	5
Toluene	BDL	5
Trichloroethene	BDL	5
m+p-Xylene	BDL	10
o-Xylene	BDL	10
Ethylbenzene	BDL	5
1,2,4-Trimethylbenzene	BDL	10
cis-1,2-Dichloroethene	BDL	5
Base/Neutral Extractable Organics (EPA 8270)		
Naphthalene	BDL	10

BDL - Below Detection Limit

Respectfully submitted,

By: Kerry Reed

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ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64511-7

Sample: Soil, grab, SWMU Remediation, SWMU-18-G, 7/26/95, 14:10, received 7/26/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
Tetrachloroethene	BDL	5
Toluene	BDL	5
Trichloroethene	BDL	5
m+p-Xylene	BDL	10
o-Xylene	BDL	10
Ethylbenzene	BDL	5
1,2,4-Trimethylbenzene	BDL	10
cis-1,2-Dichloroethene	BDL	5
Base/Neutral Extractable Organics (EPA 8270)		
Naphthalene	BDL	10

BDL - Below Detection Limit

Respectfully submitted,

By: Kerry Rice

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ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212181-OP

Report No. 64511-8

Attention: Mr. Terry Snell

Sample: Soil, grab, SWMU Remediation, SWMU-18-H, 7/26/95, 14:15, received 7/26/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
Tetrachloroethene	BDL	5
Toluene	BDL	5
Trichloroethene	BDL	5
m+p-Xylene	BDL	10
o-Xylene	BDL	10
Ethylbenzene	BDL	5
1,2,4-Trimethylbenzene	BDL	10
cis-1,2-Dichloroethene	BDL	5
Base/Neutral Extractable Organics (EPA 8270)		
Naphthalene	BDL	10

BDL - Below Detection Limit

Respectfully submitted,

By: Terry Snell

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
(770) 734-4200 • FAX (770) 734-4201

LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64511-9

Sample: Soil, grab, SWMU Remediation, SWMU-18-I, 7/26/95, 14:18, received 7/26/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
Tetrachloroethene	BDL	5
Toluene	BDL	5
Trichloroethene	BDL	5
m+p-Xylene	BDL	10
o-Xylene	BDL	10
Ethylbenzene	BDL	5
1,2,4-Trimethylbenzene	BDL	10
cis-1,2-Dichloroethene	BDL	5
Base/Neutral Extractable Organics (EPA 8270)		
Naphthalene	BDL	10

BDL - Below Detection Limit

Respectfully submitted,

By: Terry Snell

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64511-10

Sample: Soil, grab, SWMU Remediation, SWMU-18-J, 7/26/95, 14:20, received 7/26/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
Tetrachloroethene	BDL	5
Toluene	BDL	5
Trichloroethene	BDL	5
m+p-Xylene	BDL	10
o-Xylene	BDL	10
Ethylbenzene	BDL	5
1,2,4-Trimethylbenzene	BDL	10
cis-1,2-Dichloroethene	BDL	5
Base/Neutral Extractable Organics (EPA 8270)		
Naphthalene	BDL	10

BDL - Below Detection Limit

Respectfully submitted,

By: Terry Snell

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

July 26, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64209-4

Sample: Soil, grab, SO-19-3, 7/17/95, 9:30, received 7/17/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
Methylene chloride.....	BDL	5

BDL - Below Detection Limit

Respectfully submitted,

By: Elena C. Rodriguez

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
(404) 734-4200 • FAX (404) 734-4201

LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

July 26, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64209-5

Sample: Soil, composite, SO-19-3, 7/17/95, 9:30, received 7/17/95

RESULTS

	Result	Detection Limit
Total Cadmium (Cd) (mg/kg) (EPA 6010)	BDL	1.0
Total Chromium (Cr) (mg/kg) (EPA 6010)	98	1.0
Total Nickel (Ni) (mg/kg) (EPA 6010)	15	2.0
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)	99	10

BDL - Below Detection Limit

Respectfully submitted,

By: Elena L. Rodriguez

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
(404) 734-4200 • FAX (404) 734-4201

LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

July 26, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64209-6

Sample: Soil, grab, SO-19-2, 7/17/95, 9:40, received 7/17/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
Methylene chloride.....	BDL	5

BDL - Below Detection Limit

Respectfully submitted,

By: Elena S. Rodriguez

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
(404) 734-4200 • FAX (404) 734-4201

LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

July 26, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64209-7

Sample: Soil, composite, SO-19-2, 7/17/95, 9:40, received 7/17/95

RESULTS

	Result	Detection Limit
Total Cadmium (Cd) (mg/kg) (EPA 6010)	BDL	1.0
Total Chromium (Cr) (mg/kg) (EPA 6010)	100	1.0
Total Nickel (Ni) (mg/kg) (EPA 6010)	22	2.0
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)	52	10

BDL - Below Detection Limit

Respectfully submitted,

By: Elena L Rodriguez

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

July 26, 1995

P.O. No. 212181-OP

Report No. 64209-8

Attention: Mr. Terry Snell

Sample: Soil, grab, SO-19-1, 7/17/95, 9:50, received 7/17/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
Methylene chloride.....	BDL	5

BDL - Below Detection Limit

Respectfully submitted,

By: Elena L. Rodriguez

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

July 26, 1995

P.O. No. 212181-OP

Report No. 64209-9

Attention: Mr. Terry Snell

Sample: Soil, composite, SO-19-1, 7/17/95, 9:50, received 7/17/95

RESULTS

	Result	Detection Limit
Total Cadmium (Cd) (mg/kg) (EPA 6010)	BDL	1.0
Total Chromium (Cr) (mg/kg) (EPA 6010)	140	1.0
Total Nickel (Ni) (mg/kg) (EPA 6010)	36	2.0
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)	70	10

BDL - Below Detection Limit

Respectfully submitted,

By: Elena O. Rodriguez

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64511-11

Sample: Soil, composite, SWMU Remediation, SWMU-19-1, 7/26/95, 14:50, received 7/26/95

RESULTS

	Result	Detection Limit
Total Chromium (Cr) (mg/kg) (EPA 6010A).....	23	1.0

Respectfully submitted,

By: Kerry Reed

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64511-12

Sample: Soil, composite, SWMU Remediation, SWMU-19-2, 7/26/95, 14:53, received 7/26/95

RESULTS

	Result	Detection Limit
Total Chromium (Cr) (mg/kg) (EPA 6010A).....	33	1.0

Respectfully submitted,

By: Terry Snell

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64511-13

Sample: Soil, composite, SWMU Remediation, SWMU-19-3, 7/26/95, 14:55, received 7/26/95

RESULTS

	Result	Detection Limit
Total Chromium (Cr) (mg/kg) (EPA 6010A).....	21	1.0

Respectfully submitted,

By: Terry Snell

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212594-OP

Attention: Mr. Terry Snell

Report No. 64672-1

Sample: Soil, composite, SO-23-1, 8/1/95, 15:20, received 8/1/95

RESULTS

	Result	Detection Limit
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M).....	400	10

Respectfully submitted,

By: Terry Snell

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212594-OP

Attention: Mr. Terry Snell

Report No. 64672-2

Sample: Soil, composite, SO-23-2, 8/1/95, 15:35, received 8/1/95

RESULTS

	Result	Detection Limit
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M).....	27	10

Respectfully submitted,

By: Terry Snell

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212594-OP

Attention: Mr. Terry Snell

Report No. 64672-3

Sample: Soil, composite, SO-23-3, 8/1/95, 15:40, received 8/1/95

RESULTS

	Result	Detection Limit
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M).....	1900	10

Respectfully submitted,

By: Terry Snell

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
(770) 734-4200 • FAX (770) 734-4201

LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212594-OP

Attention: Mr. Terry Snell

Report No. 64672-4

Sample: Soil, composite, SO-23-4, 8/1/95, 15:50, received 8/1/95

RESULTS

	Result	Detection Limit
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M).....	780	10

Respectfully submitted,

By: Terry Snell

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212594-OP

Attention: Mr. Terry Snell

Report No. 64672-5

Sample: Soil, composite, SO-23-5, 8/1/95, 15:55, received 8/1/95

RESULTS

	Result	Detection Limit
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)	BDL	10

BDL - Below Detection Limit

Respectfully submitted,

By: [signature]

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212594-OP

Report No. 64672-6

Attention: Mr. Terry Snell

Sample: Soil, composite, SO-23-6, 8/1/95, 16:00, received 8/1/95

RESULTS

	Result	Detection Limit
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M).....	380	10

Respectfully submitted,

By: Terry Bonnell

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
(770) 734-4200 • FAX (770) 734-4201

LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212594-OP

Report No. 64672-7

Attention: Mr. Terry Snell

Sample: Soil, composite, SO-23-7, 8/1/95, 16:05, received 8/1/95

RESULTS

	Result	Detection Limit
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M).....	630	10

Respectfully submitted,

By: Kerry Rhodes

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
(770) 734-4200 • FAX (770) 734-4201

LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212594-OP

Report No. 64672-8

Attention: Mr. Terry Snell

Sample: Soil, composite, SO-23-8, 8/1/95, 16:10, received 8/1/95

RESULTS

	Result	Detection Limit
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M).....	110	10

Respectfully submitted,

By: Terry Snell

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
(770) 734-4200 • FAX (770) 734-4201

LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212594-OP

Attention: Mr. Terry Snell

Report No. 64672-9

Sample: Soil, composite, SO-23-9, 8/1/95, 16:15, received 8/1/95

RESULTS

	Result	Detection Limit
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M).....	44	10

Respectfully submitted,

By: Terry Snell

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 8, 1995

P.O. No. 212594-OP

Report No. 64673-1

Attention: Mr. Terry Snell

Sample: Soil, grab, SO-23-1, 8/1/95, 15:20, received 8/1/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
cis-1,2-Dichloroethene.....	BDL	5

BDL - Below Detection Limit

Respectfully submitted,

By: Billy P. Dyer

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 8, 1995

P.O. No. 212594-OP

Attention: Mr. Terry Snell

Report No. 64673-2

Sample: Soil, grab, SO-23-2, 8/1/95, 15:35, received 8/1/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
cis-1,2-Dichloroethene.....	BDL	5

BDL - Below Detection Limit

Respectfully submitted,

By:

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
(770) 734-4200 • FAX (770) 734-4201

LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 8, 1995

P.O. No. 212594-OP

Report No. 64673-3

Attention: Mr. Terry Snell

Sample: Soil, grab, SO-23-3, 8/1/95, 15:40, received 8/1/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
cis-1,2-Dichloroethene.....	BDL	5

BDL - Below Detection Limit

Respectfully submitted,

By: Billy P. Dyer

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
(770) 734-4200 • FAX (770) 734-4201

LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 8, 1995

P.O. No. 212594-OP

Report No. 64673-4

Attention: Mr. Terry Snell

Sample: Soil, grab, SO-23-4, 8/1/95, 15:50, received 8/1/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
cis-1,2-Dichloroethene.....	BDL	5

BDL - Below Detection Limit

Respectfully submitted,

By:

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 8, 1995

P.O. No. 212594-OP

Report No. 64673-5

Attention: Mr. Terry Snell

Sample: Soil, grab, SO-23-5, 8/1/95, 15:55, received 8/1/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
cis-1,2-Dichloroethene.....	BDL	5

BDL - Below Detection Limit

Respectfully submitted,

By:

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
(770) 734-4200 • FAX (770) 734-4201

LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 8, 1995

P.O. No. 212594-OP

Attention: Mr. Terry Snell

Report No. 64673-6

Sample: Soil, grab, SO-23-6, 8/1/95, 16:00, received 8/1/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
cis-1,2-Dichloroethene.....	BDL	5

BDL - Below Detection Limit

Respectfully submitted,

By: Billy P. Dyer

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 8, 1995

P.O. No. 212594-OP

Attention: Mr. Terry Snell

Report No. 64673-7

Sample: Soil, grab, SO-23-7, 8/1/95, 16:05, received 8/1/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
cis-1,2-Dichloroethene.....	BDL	5

BDL - Below Detection Limit

Respectfully submitted,

By:

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
(770) 734-4200 • FAX (770) 734-4201

LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 8, 1995

P.O. No. 212594-OP

Attention: Mr. Terry Snell

Report No. 64673-8

Sample: Soil, grab, SO-23-8, 8/1/95, 16:10, received 8/1/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
cis-1,2-Dichloroethene.....	BDL	5

BDL - Below Detection Limit

Respectfully submitted,

By:

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 8, 1995

P.O. No. 212594-OP

Attention: Mr. Terry Snell

Report No. 64673-9

Sample: Soil, grab, SO-23-9, 8/1/95, 16:15, received 8/1/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
cis-1,2-Dichloroethene.....	BDL	5

BDL - Below Detection Limit

Respectfully submitted,

By:

ASI ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092 • (404) 734-4200

FAX (404) 734-4201 • Federal I.D. #58-1625655

CHAIN OF CUSTODY RECORD

PROJECT NUMBER	PROJECT NAME: Soil Samples
CLIENT NAME: Bonnell	
PROJECT MANAGER: Terry Snell	COPY TO:
REQUESTED COMP. DATE: 24hr	SAMPLING REQUIREMENTS: SDWA ☐ NPDES ☐ RCRA ☐ OTHER ☐
CLIENT ADDRESS AND PHONE NUMBER: 25 Bonnell St, Newnan GA 235-2020	

STA NO.	DATE	TIME	COMP	GRAB	SOIL	SAMPLE DESCRIPTIONS	# OF CONTAINERS	ANALYSES REQUESTED: VOC (8260 pkg) JG 8/1	LAB ID
1	8/1	1520		X		50-23-1	1	✓	
		1535				-2			
		1540				-3			
		1550				-4			
		1555				-5			
		1600				-6			
		1605				-7			
		1610				-8			
		1615				-9			

FOR LAB USE ONLY

LAB# 604073

LAB #

PROJECT NO.

ACK | VERIFIED

QUOTE# | BS

NO. OF SAMP 9 | PG 1 | OF 1

REMARKS

SAMPLED BY AND TITLE	DATE/TIME 8/1/95 5:15 above	RELINQUISHED BY
RECEIVED BY:	DATE/TIME	RELINQUISHED BY:
RECEIVED BY:	DATE/TIME	RELINQUISHED BY:
RECEIVED BY LAB: Cecil M. Miguel	DATE/TIME 8/1/95 18:00	SAMPLE SHIPPED VIA UPS BUS FED-EX (HAND) OTHER
REMARKS: 9 containers		

DATE/TIME 8/1/95 1800	HAZWRAP/NEESA Y N
DATE/TIME	QC LEVEL 1 2 3
DATE/TIME	COC ✓ ICE ✓
	ANA REQ TEMP 10C
	CUST SEAL no PH n/a
	SAMPLE COND. good
AIR BILL #	
ENTERED INTO LIMS	COC REVIEWD

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
(770) 734-4200 • FAX (770) 734-4201

LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

Attention: Mr. Terry Snell

August 10, 1995

P.O. No. 212594-OP

Report No. 64721

Sample: Soil, composite, 8/1/95, received 8/1/95

RESULTS

		Oil and Grease [Soxhlet] (mg/kg) (EPA 9071)
-1)	SO-23-1, 15:20	330
-2)	SO-23-2, 15:35	330
-3)	SO-23-3, 15:40	2800
-4)	SO-23-4, 15:50	520
-5)	SO-23-5, 15:55	79
-6)	SO-23-6, 16:00	230
-7)	SO-23-7, 16:05	550
-8)	SO-23-8, 16:10	2000
-9)	SO-23-9, 16:15	120
	Detection Limit	50

Respectfully submitted,

By: Jill Warren

ASI ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS
110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092 • (404) 734-4200
FAX (404) 734-4201 • Federal I.D. #58-1625655

CHAIN OF CUSTODY RECORD

PROJECT NUMBER	PROJECT NAME	CLIENT ADDRESS AND PHONE NUMBER
	Soil Samples	235-2020
CLIENT NAME		25 Bonnell ST, Newnan, GA
Bonnell		
PROJECT MANAGER	COPY TO:	
Terry Snell		
REQUESTED COMP. DATE	SAMPLING REQUIREMENTS	
24hr.	SDWA ☐ NPDES ☐ RCRA ☑ OTHER ____	

STA NO.	DATE	TIME	COMP	GRAB	SOIL	SAMPLE DESCRIPTIONS	# OF CONTAINERS	O+G (413.1 Freon)	TPH (418.1) 8/1	LAB ID
1	8/1	1520	X			50-23-1	2	1	1	
		1535				-2	2	1	1	
		1540				-3	2	1	1	
		1550				-4	2	1	1	
		1555				-5	2	1	1	
		1600				-6	2	1	1	
		1605				-7	2	1	1	
		1610				-8	2	1	1	
	↓	1615				↓ ↓ -9	2	1	1	
2	8/1	1630	↓			50-16-5	1		1	

FOR LAB USE ONLY

LAB# 64672 - TPH
LAB # 64721 - O|G
PROJECT NO.
ACK | VERIFIED
QUOTE# | BS
NO. OF SAMP 10 | PG 1 | OF 1

REMARKS

Soxhlet OK per RGO am 8/2

Separate reports per RGO & JJ am 8/2

Samples received 8/1
Logged in 8/2 am

SAMPLED BY AND TITLE	DATE/TIME	RELINQUISHED BY	DATE/TIME
	8/1/95 See above		8/1/95 1800
RECEIVED BY:	DATE/TIME	RELINQUISHED BY:	DATE/TIME
RECEIVED BY:	DATE/TIME	RELINQUISHED BY:	DATE/TIME
RECEIVED BY LAB: Carl M. Miguel	DATE/TIME 8/1/95 18:00	SAMPLE SHIPPED VIA UPS BUS FED-EX (HAND) OTHER ____	AIR BILL #

HAZWRAP/NEESA Y N
OC LEVEL 1 2 3
COC ✓ ICE ✓
ANA REQ TEMP 1°C
CUST SEAL no PH n/a
SAMPLE COND. good

REMARKS: 10 containers

ENTERED INTO LIMS _____ COC REVIEWD _____

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ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
(770) 734-4200 • FAX (770) 734-4201

LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 8, 1995

P.O. No. 212594-OP

Report No. 64748-1

Attention: Mr. Terry Snell

Sample: Soil, composite, SWMU Remediation, Project #1.2026.65, SO-23-7-8, 8/3/95, 11:35, received 8/3/95

RESULTS

	Result	Detection Limit
Oil and Grease [Soxhlet] (mg/kg) (EPA 9071).....	3200	50
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)	80	10

Respectfully submitted,

By: Terry Snell

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
(770) 734-4200 • FAX (770) 734-4201

LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 8, 1995

P.O. No. 212594-OP

Attention: Mr. Terry Snell

Report No. 64748-2

Sample: Soil, composite, SWMU Remediation, Project #1.2026.65, SO-23-6-9, 8/3/95, 11:40, received 8/3/95

RESULTS

	Result	Detection Limit
Oil and Grease [Soxhlet] (mg/kg) (EPA 9071).....	7300	50
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)	26	10

Respectfully submitted,

By: [signature]

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
(770) 734-4200 • FAX (770) 734-4201

LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 8, 1995

P.O. No. 212594-OP

Attention: Mr. Terry Snell

Report No. 64748-3

Sample: Soil, composite, SWMU Remediation, Project #1.2026.65, SO-23-6-10, 8/3/95, 11:45, received 8/3/95

RESULTS

	Result	Detection Limit
Oil and Grease [Soxhlet] (mg/kg) (EPA 9071).....	5600	50
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)	770	10

Respectfully submitted,

By:

ASI ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

390 TRABERT AVENUE • ATLANTA, GEORGIA 30309 • (404) 892-8144

FAX (404) 892-2740 • Federal I.D. # 58-1625655

CHAIN OF CUSTODY RECORD

PROJECT NUMBER: 1.2026.65	PROJECT NAME: SWMU Remediation
CLIENT NAME: The William L Bonnell Co Inc.	
PROJECT MANAGER: Terry Snell	COPY TO:
REQUESTED COMP. DATE: 24-Hour TA	SAMPLING REQUIREMENTS: SDWA ☐ NPDES ☐ RCRA ☒ OTHER ☐

CLIENT ADDRESS AND PHONE NUMBER

FOR LAB USE ONLY

LAB# 64748

LAB #

PROJECT NO.

ACK | VERIFIED

QUOTE# | BS

NO. OF SAMP 3 | PG 1 | OF 1

STA NO.	DATE	TIME	COMP	GRAB	SOIL	SAMPLE DESCRIPTIONS	# OF CONTAINERS	ANALYSES REQUESTED: TPH 418.1 M	ANALYSES REQUESTED: Oil & Grease 9071	LAB ID	REMARKS
	8/3	1135	X		X	SO-23-7-8	2	1	1		Cloudy 80°
	8/3	1140	X		X	SO-23-6-9	2	1	1		
	8/3	1145	X		X	SO-23-6-10	2	1	1		

SAMPLED BY AND TITLE: Donald Myers	DATE/TIME: 3 Aug 95 See Above	RELINQUISHED BY:	DATE/TIME: 3 Aug 95 1:10 pm
RECEIVED BY: Donald Owens	DATE/TIME: 8-3-95 1:10	RELINQUISHED BY:	DATE/TIME:
RECEIVED BY:	DATE/TIME:	RELINQUISHED BY:	DATE/TIME:
RECEIVED BY LAB: Gil M. Miguel	DATE/TIME: 8/3/95 14:27	SAMPLE SHIPPED VIA: UPS BUS FED-EX HAND OTHER	AIR BILL #

HAZWRAP/NEESA Y N

QC LEVEL 1 2 3

COC ✓ ICE ✓

ANA REQ TEMP 20C

CUST SEAL no PH n/a

SAMPLE COND. good

ENTERED INTO LIMS _____ COC REVIEWD _____

REMARKS

ASI

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ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 8, 1995

P.O. No. 212594-OP

Attention: Mr. Terry Snell

Report No. 64751-1

Sample: Soil, composite, SWMU Remediation, Project #1.2026.65, SO-23-5-1, 8/3/95, 10:55, received 8/3/95

RESULTS

	Result	Detection Limit
Oil and Grease [Soxhlet] (mg/kg) (EPA 9071).....	4400	50
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)	540	10

Respectfully submitted,

By: Elena L. Rodriguez

ASI

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ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

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(770) 734-4200 • FAX (770) 734-4201

LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 8, 1995

P.O. No. 212594-OP

Attention: Mr. Terry Snell

Report No. 64751-2

Sample: Soil, composite, SWMU Remediation, Project #1.2026.65, SO-23-5-2, 8/3/95, 10:55, received 8/3/95

RESULTS

	Result	Detection Limit
Oil and Grease [Soxhlet] (mg/kg) (EPA 9071).....	6900	50
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)	340	10

Respectfully submitted,

By: Elena A. Rodriguez

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

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(770) 734-4200 • FAX (770) 734-4201

LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 8, 1995

P.O. No. 212594-OP

Attention: Mr. Terry Snell

Report No. 64751-3

Sample: Soil, composite, SWMU Remediation, Project #1.2026.65, SO-23-5-3, 8/3/95, 11:05, received 8/3/95

RESULTS

	Result	Detection Limit
Oil and Grease [Soxhlet] (mg/kg) (EPA 9071).....	5600	50
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)	34	10

Respectfully submitted,

By: Elena A. Rodriguez

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

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(770) 734-4200 • FAX (770) 734-4201

LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 8, 1995

P.O. No. 212594-OP

Attention: Mr. Terry Snell

Report No. 64751-4

Sample: Soil, composite, SWMU Remediation, Project #1.2026.65, SO-23-4-4, 8/3/95, 11:10, received 8/3/95

RESULTS

	Result	Detection Limit
Oil and Grease [Soxhlet] (mg/kg) (EPA 9071).....	4500	50
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)	170	10

Respectfully submitted,

By: Elena C. Rodriguez

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

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(770) 734-4200 • FAX (770) 734-4201

LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 8, 1995

P.O. No. 212594-OP

Attention: Mr. Terry Snell

Report No. 64751-5

Sample: Soil, composite, SWMU Remediation, Project #1.2026.65, SO-23-9-5, 8/3/95, 11:20, received 8/3/95

RESULTS

	Result	Detection Limit
Oil and Grease [Soxhlet] (mg/kg) (EPA 9071).....	6600	50
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)	250	10

Respectfully submitted,

By: Elena T. Rodriguez

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 8, 1995

P.O. No. 212594-OP

Attention: Mr. Terry Snell

Report No. 64751-6

Sample: Soil, composite, SWMU Remediation, Project #1.2026.65, SO-23-9-6, 8/3/95, 11:25, received 8/3/95

RESULTS

	Result	Detection Limit
Oil and Grease [Soxhlet] (mg/kg) (EPA 9071).....	6500	50
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)	240	10

Respectfully submitted,

By: Elena S. Rodriguez

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 8, 1995

P.O. No. 212594-OP

Attention: Mr. Terry Snell

Report No. 64751-7

Sample: Soil, composite, SWMU Remediation, Project #1.2026.65, SO-23-8-7, 8/3/95, 11:30, received 8/3/95

RESULTS

	Result	Detection Limit
Oil and Grease [Soxhlet] (mg/kg) (EPA 9071).....	5000	50
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)	61	10

Respectfully submitted,

By: Elena D. Rodriguez

Analytical Services Inc. Batch QC
For Report Number :64751

Batch General Information

Batch Number	Analyte	Analysis Method	Matrix		Blank Result	Prep. Method
14905	TPH	EPA 418.1	Soil	<	10.0000	
14937	O/G(S)	EPA 9071	Soil	<	50.0000	

Lab Control Information

Batch Number	Analyte	Method	LC %Rec	LCD %Rec	LC RPD	%Recovery Range	RPD Range
14905	TPH	EPA 418.1	97	94	3	75 - 125	0 - 50
14937	O/G(S)	EPA 9071	96	89	8	50 - 135	0 - 25

Matrix Spike Information

Batch Number	Analyte	Method	MS %Rec	MSD %Rec	MS RPD	%Recovery Range	RPD Range
5	TPH	EPA 418.1	106	108	2	75 - 125	0 - 50
14937	O/G(S)	EPA 9071	***	***	0	50 - 135	0 - 25

Unspiked Sample Duplicate Information

Batch Number	Analyte	Method	Sample 1 RPD	Sample 2 RPD	RPD Range
14905	TPH	EPA 418.1	0		0 - 50
14937	O/G(S)	EPA 9071	3		0 - 25

Q.C. Information for Batch # 14905 For Report Number :64751

Sample Batch Information
Analysis : TPH

Sample ID	Tag	Preparation Date	Time	By	Preparation Notes	Analysis Date	Time	By	Inst
54572-2		08/03/95	1240	LMB		08/03/95	1700	LMB	
54572-3		08/03/95	1240	LMB		08/03/95	1700	LMB	
54572-4		08/03/95	1240	LMB		08/03/95	1700	LMB	
54609-1		08/03/95	1240	LMB		08/03/95	1700	LMB	
54609-2		08/03/95	1240	LMB		08/03/95	1700	LMB	
54609-3		08/03/95	1240	LMB		08/03/95	1700	LMB	
54609-4		08/03/95	1240	LMB		08/03/95	1700	LMB	
64609-5		08/03/95	1240	LMB		08/03/95	1700	LMB	
64609-6		08/03/95	1240	LMB		08/03/95	1700	LMB	
64609-7		08/03/95	1240	LMB		08/03/95	1700	LMB	
64609-8		08/03/95	1240	LMB		08/03/95	1700	LMB	
64609-9		08/03/95	1240	LMB		08/03/95	1700	LMB	
64609-3DUP		08/03/95	1240	LMB		08/03/95	1700	LMB	
64609-3MS		08/03/95	1240	LMB		08/03/95	1700	LMB	
64609-3MSD		08/03/95	1240	LMB		08/03/95	1700	LMB	
64751-1		08/03/95	1240	LMB		08/03/95	1700	LMB	
64751-2		08/03/95	1240	LMB		08/03/95	1700	LMB	
64751-3		08/03/95	1240	LMB		08/03/95	1700	LMB	
64751-4		08/03/95	1240	LMB		08/03/95	1700	LMB	
64751-5		08/03/95	1240	LMB		08/03/95	1700	LMB	
64751-6		08/03/95	1240	LMB		08/03/95	1700	LMB	
64751-7		08/03/95	1240	LMB		08/03/95	1700	LMB	
B14905BLK		08/03/95	1240	LMB		08/03/95	1700	LMB	
B14905LCS		08/03/95	1240	LMB		08/03/95	1700	LMB	
B14905LCSD		08/03/95	1240	LMB		08/03/95	1700	LMB	

Q.C. Information for Batch # 14937 For Report Number :64751

Sample Batch Information
Analysis : O/G(S)

Sample ID	Tag	Preparation Date	Time	By	Preparation Notes	Analysis Date	Time	By	Inst
64751-1	RC	08/04/95	0750	RAC		08/04/95	1445	RAC	
64751-2	RC	08/04/95	0750	RAC		08/04/95	1445	RAC	
64751-3	RC	08/04/95	0750	RAC		08/04/95	1445	RAC	
64751-4	RC	08/04/95	0750	RAC		08/04/95	1445	RAC	
64751-5	RC	08/04/95	0750	RAC		08/04/95	1445	RAC	
64751-6	RC	08/04/95	0750	RAC		08/04/95	1445	RAC	
64751-7	RC	08/04/95	0750	RAC		08/04/95	1445	RAC	
64748-1	RC	08/04/95	0750	RAC		08/04/95	1445	RAC	
64748-2	RC	08/04/95	0750	RAC		08/04/95	1445	RAC	
64748-3	RC	08/04/95	0750	RAC		08/04/95	1445	RAC	
64751-1DUP	RC	08/04/95	0750	RAC		08/04/95	1445	RAC	
14937BLK	RC	08/04/95	0750	RAC		08/04/95	1445	RAC	
14937LCS	RC	08/04/95	0750	RAC		08/04/95	1445	RAC	
14937LCSD	RC	08/04/95	0750	RAC		08/04/95	1445	RAC	
64751-1MS	RC	08/07/95	1000	LMB		08/04/95	1445	RAC	
64751-1MSD	RC	08/07/95	1000	LMB		08/04/95	1445	RAC	
64748-1	RC	08/04/95	0750	RAC		08/04/95	1445	RAC	
64748-2	RC	08/04/95	0750	RAC		08/04/95	1445	RAC	
64748-3	RC	08/04/95	0750	RAC		08/04/95	1445	RAC	
64751-1DUP	RC	08/04/95	0750	RAC		08/04/95	1445	RAC	
14937BLK	RC	08/04/95	0750	RAC		08/04/95	1445	RAC	
14937LCS	RC	08/04/95	0750	RAC		08/04/95	1445	RAC	
14937LCSD	RC	08/04/95	0750	RAC		08/04/95	1445	RAC	
64751-1MS		08/04/95	0750	RAC		/ /			
64751-1MSD		08/04/95	0750	RAC		/ /			

ASI ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

390 TRABERT AVENUE • ATLANTA, GEORGIA 30309 • (404) 892-8144

FAX (404) 892-2740 • Federal I.D. # 58-1625655

CHAIN OF CUSTODY RECORD

PROJECT NUMBER: 1.2026.45

PROJECT NAME: SWMU Remediation

CLIENT NAME: The William L Bonnell Co, Inc

CLIENT ADDRESS AND PHONE NUMBER: 25 Bonnell St 770-254-7690 Newnan, GA 30263

PROJECT MANAGER: Terry D. Snell

COPY TO:

REQUESTED COMP. DATE: 8:00 AM 8/4/95

SAMPLING REQUIREMENTS: SDWA ☐ NPDES ☐ RCRA ☒ OTHER ____

ANALYSES REQUESTED

STA NO.	DATE	TIME	COMP	GRAB	SOIL	SAMPLE DESCRIPTIONS	# OF CONTAINERS	TPH 418.1/M	Oil & Grease 9071	LAB ID
1	8/3/95	10:55	X		X	SO-23-5-1	2	1	1	
2		10:55	X		X	SO-23-5-2	2	1	1	
3		1105	X		X	SO-23-5-3	2	1	1	
4		1110	X		X	SO-23-4-4	2	1	1	
5		1120	X		X	SO-23-9-5	2	1	1	
6		1125	X		X	SO-23-9-6	2	1	1	
~~7~~										
7		1130	X		X	SO-23-8-7	2	1	1	

FOR LAB USE ONLY

LAB# 64751

LAB #

PROJECT NO.

ACK | VERIFIED

QUOTE# | BS

NO. OF SAMP 7 | PG 1 | OF 1

REMARKS: Weather Cloudy 80°

Oil & Grease on 48-Hour TA

SAMPLED BY AND TITLE: Daniel Wyss

DATE/TIME: 3 Aug 95 See Above

RELINQUISHED BY: Daniel Wyss

DATE/TIME: 3 Aug 95 1:10 pm

RECEIVED BY: Donald Dukes

DATE/TIME: 8-3-95 1:10PM

RELINQUISHED BY:

DATE/TIME:

RECEIVED BY:

DATE/TIME:

RELINQUISHED BY:

DATE/TIME:

RECEIVED BY LAB: Cecil M. Miguel

DATE/TIME: 8/3/95 14:27

SAMPLE SHIPPED VIA: UPS BUS FED-EX (HAND) OTHER ____

AIR BILL #

REMARKS: 11 containers

ENTERED INTO LIMS ____ COC REVIEWD ____

HAZWRAP/NEESA Y N

QC LEVEL 1 2 3

COC ✓ | ICE ✓

ANA REQ | TEMP 2°C

CUST SEAL no | PH n/a

SAMPLE COND. good

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
(770) 734-4200 • FAX (770) 734-4201

LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 10, 1995

P.O. No. 212594-OP

Report No. 64800-1

Attention: Mr. Terry Snell

Sample: Soil, composite, SWMU Remediation, Project #1.2026.65, SO-23-5-1A, 8/4/95, 10:30, received 8/4/95

RESULTS

	Result	Detection Limit
Oil and Grease [Soxhlet] (mg/kg) (EPA 9071).....	600	50
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)	300	10

Respectfully submitted,

By: Jill Wamm

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 10, 1995

P.O. No. 212594-OP

Report No. 64800-2

Attention: Mr. Terry Snell

Sample: Soil, composite, SWMU Remediation, Project #1.2026.65, SO-23-7-A, 8/4/95, 9:45, received 8/4/95

RESULTS

	Result	Detection Limit
Oil and Grease [Soxhlet] (mg/kg) (EPA 9071).....	BDL	50
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)	25	10

BDL - Below Detection Limit

Respectfully submitted,

By: Jill Warren

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
(770) 734-4200 • FAX (770) 734-4201

LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 10, 1995

P.O. No. 212594-OP

Report No. 64800-3

Attention: Mr. Terry Snell

Sample: Soil, composite, SWMU Remediation, Project #1.2026.65, SO-23-3-A, 8/4/95, 10:00, received 8/4/95

RESULTS

	Result	Detection Limit
Oil and Grease [Soxhlet] (mg/kg) (EPA 9071).....	150	50
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)	75	10

Respectfully submitted,

By: Lee Warren

ASI ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

390 TRABERT AVENUE • ATLANTA, GEORGIA 30309 • (404) 892-8144

FAX (404) 892-2740 • Federal I.D. # 58-1625655

CHAIN OF CUSTODY RECORD

PROJECT NUMBER: 1.2026.65	PROJECT NAME: SWMU Remediation
CLIENT NAME: The William L Bonnell Co Inc.	
PROJECT MANAGER: Terry Snell	COPY TO:
REQUESTED COMP. DATE: TPH 24 Hr TA; Oil & Gr. 48 Hr TA	SAMPLING REQUIREMENTS: SDWA ☐ NPDES ☐ RCRA ☒ OTHER ___

CLIENT ADDRESS AND PHONE NUMBER: 25 Bonnell 770-254-7690 Newnan GA

FOR LAB USE ONLY: LAB# 64800; LAB #; PROJECT NO.; ACK; VERIFIED; QUOTE#; BS; NO. OF SAMP 3; PG 1; OF 1

ANALYSES REQUESTED

STA NO.	DATE	TIME	COMP	GRAB	SOIL	SAMPLE DESCRIPTIONS	# OF CONTAINERS	TPH 418.1M	Oil & Grease 9071	LAB ID	REMARKS
	8/4	1030	X		X	SO-23-5-1A	2	1	1		Mix well before analyzing samples
	"	945	X		X	SO-23-7-A	2	1	1		
	"	1000	X		X	SO-23-3-A	2	1	1		

SAMPLED BY AND TITLE: Terry Snell	DATE/TIME: 8/4/95 See Above	RELINQUISHED BY: Terry Snell	DATE/TIME: 8/4/95 1445
RECEIVED BY:	DATE/TIME	RELINQUISHED BY:	DATE/TIME
RECEIVED BY:	DATE/TIME	RELINQUISHED BY:	DATE/TIME
RECEIVED BY LAB:	DATE/TIME: 8/4/95 14:45	SAMPLE SHIPPED VIA: UPS BUS FED-EX (HAND) OTHER ___	AIR BILL #
REMARKS: 6 containers			ENTERED INTO LIMS ___ COC REVIEWD ___

HAZWRAP/NEESA Y N; QC LEVEL 1 2 3; COC ✓; ICE ✓; ANA REQ; TEMP; CUST SEAL No; PH N/A; SAMPLE COND. Good

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ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
(770) 734-4200 • FAX (770) 734-4201

LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 10, 1995

P.O. No. 212594-OP

Attention: Mr. Terry Snell

Report No. 64868-1

Sample: Soil, composite, SWMU Remediation, Project #1.2026.65, SO23-6-10A, 8/8/95, 8:30, received 8/8/95

RESULTS

	Result	Detection Limit
Oil and Grease [Soxhlet] (mg/kg) (EPA 9071).....	300	50
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)	220	10

Respectfully submitted,

By: Jill Warner

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ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 10, 1995

P.O. No. 212594-OP

Report No. 64868-2

Attention: Mr. Terry Snell

Sample: Soil, composite, SWMU Remediation, Project #1.2026.65, SO23-4-1A, 8/8/95, 8:32, received 8/8/95

RESULTS

	Result	Detection Limit
Oil and Grease [Soxhlet] (mg/kg) (EPA 9071).....	90	50
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)	BDL	10

BDL - Below Detection Limit

Respectfully submitted,

By: Jill Warner

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ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 10, 1995

P.O. No. 212594-OP

Attention: Mr. Terry Snell

Report No. 64868-3

Sample: Soil, composite, SWMU Remediation, Project #1.2026.65, SO23-4-2A, 8/8/95, 8:35, received 8/8/95

RESULTS

	Result	Detection Limit
Oil and Grease [Soxhlet] (mg/kg) (EPA 9071).....	220	50
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)	15	10

Respectfully submitted,

By: Kel Warner

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

July 31, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64386-5

Sample: Soil, composite, SO-29-7, 7/21/95, 15:45, received 7/21/95

RESULTS

	Result	Detection Limit
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)..	340	10

Respectfully submitted,

By: Robert D. [illegible]

cc: Mr. Brian Dolihite
EMCON

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ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

July 31, 1995

P.O. No. 212181-OP

Report No. 64386-6

Attention: Mr. Terry Snell

Sample: Soil, composite, SO-29-6, 7/21/95, 16:00, received 7/21/95

RESULTS

	Result	Detection Limit
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)..	160	10

Respectfully submitted,

By: Robert D. Ogg

cc: Mr. Brian Dolihite
EMCON

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ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

July 31, 1995

P.O. No. 212181-OP

Report No. 64386-7

Attention: Mr. Terry Snell

Sample: Soil, composite, SO-29-5, 7/21/95, 16:05, received 7/21/95

RESULTS

	Result	Detection Limit
Total Petroleum Hydrocarbons (mg/kg) (EPA 418.1M)..	68	10

Respectfully submitted,

By: Robert D. [signature]

cc: Mr. Brian Dolihite
EMCON

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ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

July 31, 1995

P.O. No. 212181-OP

Report No. 64386-12

Attention: Mr. Terry Snell

Sample: Soil, grab, SO-29-6, 7/21/95, 16:00, received 7/21/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
cis-1,2-Dichloroethene.....	BDL	2
Toluene.....	BDL	2

BDL - Below Detection Limit

Respectfully submitted,

By: Robt D. O...

cc: Mr. Brian Dolihite
EMCON

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ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
(404) 734-4200 • FAX (404) 734-4201

LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

July 31, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64386-13

Sample: Soil, grab, SO-29-5, 7/21/95, 16:05, received 7/21/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
cis-1,2-Dichloroethene.....	BDL	2
Toluene.....	BDL	2

BDL - Below Detection Limit

Respectfully submitted,

By: Robert D. [illegible]

cc: Mr. Brian Dolihite
EMCON

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ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

August 7, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64597-1

Sample: Soil, grab, SWMU Remediation, SWMU-35-5, 7/28/95, 15:00, received 7/28/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
Ethylbenzene	BDL	5
Toluene	BDL	5
m+p-Xylene	BDL	10
o-Xylene	BDL	10

BDL - Below Detection Limit

Respectfully submitted,

By: Robert D. [illegible]

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ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

July 21, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64239-1

Sample: Soil, grab, SO-35-1-1, 7/18/95, 14:20, received 7/18/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
Benzene	BDL	5
Bromobenzene	BDL	10
Bromochloromethane	BDL	10
Bromodichloromethane	BDL	5
Bromoform	BDL	5
Bromomethane	BDL	10
n-Butylbenzene	BDL	10
sec-Butylbenzene	BDL	10
tert-Butylbenzene	BDL	10
Carbon tetrachloride	BDL	5
Chlorobenzene	BDL	10
Chloroethane	BDL	5
Chloroform	BDL	5
Chloromethane	BDL	10
2-Chlorotoluene	BDL	10
4-Chlorotoluene	BDL	10
Dibromochloromethane	BDL	5
1,2-Dibromo-3-chloropropane	BDL	10
1,2-Dibromoethane	BDL	10
Dibromomethane	BDL	10
1,2-Dichlorobenzene	BDL	10
1,3-Dichlorobenzene	BDL	10
1,4-Dichlorobenzene	BDL	10
Dichlorodifluoromethane	BDL	10
1,1-Dichloroethane	BDL	5
1,2-Dichloroethane	BDL	5
1,1-Dichloroethene	BDL	5

BDL - Below Detection Limit

Report No. 64239-1

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
cis-1,2-Dichloroethene	BDL	5
trans-1,2-Dichloroethene	BDL	5
1,2-Dichloropropane	BDL	5
1,3-Dichloropropane	BDL	5
2,2-Dichloropropane	BDL	5
1,1-Dichloropropene	BDL	5
Ethylbenzene	BDL	5
Hexachlorobutadiene	BDL	10
Isopropylbenzene	BDL	10
p-Isopropyltoluene	BDL	10
Methylene chloride	BDL	10
Naphthalene	BDL	10
n-Propylbenzene	BDL	10
Styrene	BDL	5
1,1,1,2-Tetrachloroethane	BDL	5
1,1,2,2-Tetrachloroethane	BDL	5
Tetrachloroethene	BDL	5
Toluene	BDL	5
1,2,3-Trichlorobenzene	BDL	10
1,2,4-Trichlorobenzene	BDL	10
1,1,1-Trichloroethane	BDL	5
1,1,2-Trichloroethane	BDL	5
Trichloroethene	BDL	5
Trichlorofluoromethane	BDL	5
1,2,3-Trichloropropane	BDL	10
1,2,4-Trimethylbenzene	BDL	10
1,3,5-Trimethylbenzene	BDL	10
Vinyl chloride	BDL	10
m+p-Xylene	BDL	5
o-Xylene	BDL	5

BDL - Below Detection Limit

Respectfully submitted,

By: Rachel Fries

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ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

July 21, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64239-2

Sample: Soil, grab, SO-35-1-2, 7/18/95, 14:20, received 7/18/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
Benzene	BDL	5
Bromobenzene	BDL	10
Bromochloromethane	BDL	10
Bromodichloromethane	BDL	5
Bromoform	BDL	5
Bromomethane	BDL	10
n-Butylbenzene	BDL	10
sec-Butylbenzene	BDL	10
tert-Butylbenzene	BDL	10
Carbon tetrachloride	BDL	5
Chlorobenzene	BDL	10
Chloroethane	BDL	5
Chloroform	BDL	5
Chloromethane	BDL	10
2-Chlorotoluene	BDL	10
4-Chlorotoluene	BDL	10
Dibromochloromethane	BDL	5
1,2-Dibromo-3-chloropropane	BDL	10
1,2-Dibromoethane	BDL	10
Dibromomethane	BDL	10
1,2-Dichlorobenzene	BDL	10
1,3-Dichlorobenzene	BDL	10
1,4-Dichlorobenzene	BDL	10
Dichlorodifluoromethane	BDL	10
1,1-Dichloroethane	BDL	5
1,2-Dichloroethane	BDL	5
1,1-Dichloroethene	BDL	5

BDL - Below Detection Limit

Report No. 64239-2

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
cis-1,2-Dichloroethene	BDL	5
trans-1,2-Dichloroethene	BDL	5
1,2-Dichloropropane	BDL	5
1,3-Dichloropropane	BDL	5
2,2-Dichloropropane	BDL	5
1,1-Dichloropropene	BDL	5
Ethylbenzene	BDL	5
Hexachlorobutadiene	BDL	10
Isopropylbenzene	BDL	10
p-Isopropyltoluene	BDL	10
Methylene chloride	BDL	10
Naphthalene	BDL	10
n-Propylbenzene	BDL	10
Styrene	BDL	5
1,1,1,2-Tetrachloroethane	BDL	5
1,1,2,2-Tetrachloroethane	BDL	5
Tetrachloroethene	BDL	5
Toluene	BDL	5
1,2,3-Trichlorobenzene	BDL	10
1,2,4-Trichlorobenzene	BDL	10
1,1,1-Trichloroethane	BDL	5
1,1,2-Trichloroethane	BDL	5
Trichloroethene	BDL	5
Trichlorofluoromethane	BDL	5
1,2,3-Trichloropropane	BDL	10
1,2,4-Trimethylbenzene	BDL	10
1,3,5-Trimethylbenzene	BDL	10
Vinyl chloride	BDL	10
m+p-Xylene	BDL	5
o-Xylene	BDL	5

BDL - Below Detection Limit

Respectfully submitted,

By: Rachel Fried

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ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

July 21, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64239-3

Sample: Soil, grab, SO-35-1-3, 7/18/95, 14:20, received 7/18/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
Benzene	BDL	5
Bromobenzene	BDL	10
Bromochloromethane	BDL	10
Bromodichloromethane	BDL	5
Bromoform	BDL	5
Bromomethane	BDL	10
n-Butylbenzene	BDL	10
sec-Butylbenzene	BDL	10
tert-Butylbenzene	BDL	10
Carbon tetrachloride	BDL	5
Chlorobenzene	BDL	10
Chloroethane	BDL	5
Chloroform	BDL	5
Chloromethane	BDL	10
2-Chlorotoluene	BDL	10
4-Chlorotoluene	BDL	10
Dibromochloromethane	BDL	5
1,2-Dibromo-3-chloropropane	BDL	10
1,2-Dibromoethane	BDL	10
Dibromomethane	BDL	10
1,2-Dichlorobenzene	BDL	10
1,3-Dichlorobenzene	BDL	10
1,4-Dichlorobenzene	BDL	10
Dichlorodifluoromethane	BDL	10
1,1-Dichloroethane	BDL	5
1,2-Dichloroethane	BDL	5
1,1-Dichloroethene	BDL	5

BDL - Below Detection Limit

Report No. 64239-3

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
cis-1,2-Dichloroethene	BDL	5
trans-1,2-Dichloroethene	BDL	5
1,2-Dichloropropane	BDL	5
1,3-Dichloropropane	BDL	5
2,2-Dichloropropane	BDL	5
1,1-Dichloropropene	BDL	5
Ethylbenzene	BDL	5
Hexachlorobutadiene	BDL	10
Isopropylbenzene	BDL	10
p-Isopropyltoluene	BDL	10
Methylene chloride	BDL	10
Naphthalene	BDL	10
n-Propylbenzene	BDL	10
Styrene	BDL	5
1,1,1,2-Tetrachloroethane	BDL	5
1,1,2,2-Tetrachloroethane	BDL	5
Tetrachloroethene	BDL	5
Toluene	BDL	5
1,2,3-Trichlorobenzene	BDL	10
1,2,4-Trichlorobenzene	BDL	10
1,1,1-Trichloroethane	BDL	5
1,1,2-Trichloroethane	BDL	5
Trichloroethene	BDL	5
Trichlorofluoromethane	BDL	5
1,2,3-Trichloropropane	BDL	10
1,2,4-Trimethylbenzene	BDL	10
1,3,5-Trimethylbenzene	BDL	10
Vinyl chloride	BDL	10
m+p-Xylene	BDL	5
o-Xylene	BDL	5

BDL - Below Detection Limit

Respectfully submitted,

By: Rachel Fried

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ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

July 21, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64239-4

Sample: Soil, grab, SO-35-1-4, 7/18/95, 14:20, received 7/18/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
Benzene	BDL	5
Bromobenzene	BDL	10
Bromochloromethane	BDL	10
Bromodichloromethane	BDL	5
Bromoform	BDL	5
Bromomethane	BDL	10
n-Butylbenzene	BDL	10
sec-Butylbenzene	BDL	10
tert-Butylbenzene	BDL	10
Carbon tetrachloride	BDL	5
Chlorobenzene	BDL	10
Chloroethane	BDL	5
Chloroform	BDL	5
Chloromethane	BDL	10
2-Chlorotoluene	BDL	10
4-Chlorotoluene	BDL	10
Dibromochloromethane	BDL	5
1,2-Dibromo-3-chloropropane	BDL	10
1,2-Dibromoethane	BDL	10
Dibromomethane	BDL	10
1,2-Dichlorobenzene	BDL	10
1,3-Dichlorobenzene	BDL	10
1,4-Dichlorobenzene	BDL	10
Dichlorodifluoromethane	BDL	10
1,1-Dichloroethane	BDL	5
1,2-Dichloroethane	BDL	5
1,1-Dichloroethene	BDL	5

BDL - Below Detection Limit

Report No. 64239-4

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
cis-1,2-Dichloroethene	BDL	5
trans-1,2-Dichloroethene	BDL	5
1,2-Dichloropropane	BDL	5
1,3-Dichloropropane	BDL	5
2,2-Dichloropropane	BDL	5
1,1-Dichloropropene	BDL	5
Ethylbenzene	BDL	5
Hexachlorobutadiene	BDL	10
Isopropylbenzene	BDL	10
p-Isopropyltoluene	BDL	10
Methylene chloride	BDL	10
Naphthalene	BDL	10
n-Propylbenzene	BDL	10
Styrene	BDL	5
1,1,1,2-Tetrachloroethane	BDL	5
1,1,2,2-Tetrachloroethane	BDL	5
Tetrachloroethene	BDL	5
Toluene	BDL	5
1,2,3-Trichlorobenzene	BDL	10
1,2,4-Trichlorobenzene	BDL	10
1,1,1-Trichloroethane	BDL	5
1,1,2-Trichloroethane	BDL	5
Trichloroethene	BDL	5
Trichlorofluoromethane	BDL	5
1,2,3-Trichloropropane	BDL	10
1,2,4-Trimethylbenzene	BDL	10
1,3,5-Trimethylbenzene	BDL	10
Vinyl chloride	BDL	10
m+p-Xylene	BDL	5
o-Xylene	BDL	5

BDL - Below Detection Limit

Respectfully submitted,

By: Rachel Fried

ASI ANALYTICA SERVICES, INC.

ENVIRONMENTAL MC ORING & LABORATORY ANALYSIS
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FAX (404) 734-4201 • Federal I.D. #58-1625655

CHAIN OF CUSTODY RECORD

PROJECT NUMBER:
PROJECT NAME: Soil Samples
CLIENT NAME: Bonnell
PROJECT MANAGER: Terry Snell
COPY TO:
REQUESTED COMP. DATE: 24hr.
SAMPLING REQUIREMENTS: SDWA ☐ NPDES ☐ RCRA ☐ OTHER ____
CLIENT ADDRESS AND PHONE NUMBER: 235-2020, 25 Bonnell St. Newnan, Ga.

STA NO.	DATE	TIME	COMP	GRAB	SOIL	SAMPLE DESCRIPTIONS	# OF CONTAINERS	ANALYSES REQUESTED: VOC	LAB ID	REMARKS
1	7/18	1420		X		~~35~~ 50-35-1-1	1	1		
	↓	↓		X		50-35-1-2	1	1		
	↓	↓		X		50-35-1-3	1	1		
	↓	↓		X		50-35-1-4	1	1		

FOR LAB USE ONLY
LAB# 64239
LAB #
PROJECT NO.
ACK
VERIFIED
QUOTE#
BS
NO. OF SAMP 4 PG 1 OF 1

SAMPLED BY AND TITLE: [signature] Field Sp. DATE/TIME: 7/18/95 1420
RELINQUISHED BY: [signature] DATE/TIME: 7/18/95 16:25
RECEIVED BY: [signature] DATE/TIME:
RELINQUISHED BY: DATE/TIME:
RECEIVED BY: DATE/TIME:
RELINQUISHED BY: DATE/TIME:
RECEIVED BY LAB: Cecil M. Migl DATE/TIME: 7/18/95 16:30
SAMPLE SHIPPED VIA: UPS BUS FED-EX (HAND) OTHER ____
AIR BILL #

HAZWRAP/NEESA Y N
QC LEVEL 1 2 3
COC ✓
ICE ✓
ANA REQ
TEMP 4°C
CUST SEAL no
PH n/a
SAMPLE COND. good

REMARKS: 4 containers

ENTERED INTO LIMS ____
COC REVIEWD ____

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ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
(404) 734-4200 • FAX (404) 734-4201

LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

July 31, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64386-14

Sample: Soil, grab, SO-35-2, 7/21/95, 16:30, received 7/21/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
Ethylbenzene	BDL	2
Toluene	BDL	2
m+p-Xylene	BDL	10
o-Xylene	BDL	10

BDL - Below Detection Limit

Respectfully submitted,

By: Robert D. Ogle Jr.

cc: Mr. Brian Dolihite
EMCON

ASI

ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092
(404) 734-4200 • FAX (404) 734-4201

LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

July 31, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64386-10

Sample: Soil, composite, SO-35-2, 7/21/95, 16:30, received 7/21/95

RESULTS

	Result	Detection Limit
Total Lead (Pb) (mg/kg) (EPA 6010).....	18	2.5

Respectfully submitted,

By: Robert D. Oldham

cc: Mr. Brian Dolihite
EMCON

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

July 31, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64386-9

Sample: Soil, grab, SO-35-3, 7/21/95, 16:25, received 7/21/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
Ethylbenzene	BDL	2
Toluene	BDL	2
m+p-Xylene	BDL	10
o-Xylene	BDL	10

BDL - Below Detection Limit

Respectfully submitted,

By: Robert D. [illegible]

cc: Mr. Brian Dolihite
EMCON

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ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

July 31, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64386-8

Sample: Soil, grab, SO-35-5, 7/21/95, 16:20, received 7/21/95

RESULTS

Volatile Organics (EPA 8260)	Result (ug/kg)	Detection Limit (ug/kg)
Ethylbenzene	BDL	2
Toluene	2	2
m+p-Xylene	BDL	10
o-Xylene	BDL	10

BDL - Below Detection Limit

Respectfully submitted,

By: Robert D. Ogg Jr.

cc: Mr. Brian Dolihite
EMCON

ASI

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ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

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LABORATORY REPORT

William L. Bonnell Co. Inc.
PO Box 428
Newnan, GA 30264

July 26, 1995

P.O. No. 212181-OP

Attention: Mr. Terry Snell

Report No. 64209-3

Sample: Soil, composite, SO-50, 7/17/95, 9:20, received 7/17/95

RESULTS

	Result	Detection Limit
Total Chromium (Cr) (mg/kg) (EPA 6010).....	31	1.0

Respectfully submitted,

By: Elena L. Rodriguez

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FAX (404) 734-4201 • Federal I.D. #58-1625655

CHAIN OF CUSTODY RECORD

PROJECT NUMBER	PROJECT NAME	CLIENT ADDRESS AND PHONE NUMBER	FOR LAB USE ONLY
	Soil Samples	25 Bonnell St, Newnan, Ga. 235-2020	LAB# 64386
CLIENT NAME: Bonnell			LAB #
PROJECT MANAGER: Terry Snell	COPY TO:		PROJECT NO.
REQUESTED COMP. DATE: 3 Day TAT	SAMPLING REQUIREMENTS: SDWA ☐ NPDES ☑ RCRA ☑ OTHER ____		ACK / VERIFIED
			QUOTE# BS&S per JJ
			NO. OF SAMP 15 / PG 1 / OF 1

STA NO.	DATE	TIME	COMP	GRAB	SOIL	SAMPLE DESCRIPTIONS	# OF CONTAINERS	TPH	VOC *	CADMIUM	LEAD	CHROMIUM	LAB ID
1	7/21	1500	X			Polish pond Grid #14	1	1					
2		1515	X			" " #11	1			1			
3		1525	X			SO-17-2	3	1	X			1	
** 4		1535	X			SO-14-8	1	1					
5		1545	X			SO-29-7	1	1					
6		1600	X			SO-29-6	2	1	X				
7		16:05	X			SO-29-5	2	1	X				
8		16:20		X		SO-35-5	1		X				
9		16:25		X		SO-35-3	1		X				
10		16:30	X			SO-35-2	2		X		1		
11		1525		X		SO-17-2	1		1				
12		1600		X		SO-29-6	1		1				
13		1605		X		SO-29-5	1		1				
14		1630		X		SO-35-2	1		1				
~~15~~		1625		X		~~SO-35-3~~	1		1				

* All VOC's are Grab Samples.

** This sample requires 24HR T.A.T.

SAMPLED BY AND TITLE: Wes Fidler	DATE/TIME: 7/21/95 See Above	RELINQUISHED BY:	DATE/TIME: 7/21/95 1800
RECEIVED BY:	DATE/TIME:	RELINQUISHED BY:	DATE/TIME:
RECEIVED BY:	DATE/TIME:	RELINQUISHED BY:	DATE/TIME:
RECEIVED BY LAB:	DATE/TIME: 7/21/95 18:00	SAMPLE SHIPPED VIA: UPS BUS FED-EX (HAND) OTHER ____	AIR BILL #
REMARKS: 15 containers		ENTERED INTO LIMS ____	COC REVIEWD ____

HAZWRAP/NEESA Y N
QC LEVEL 1 2 3
COC ✓ ICE ✓
ANA REQ TEMP 0°C
CUST SEAL NO PH N/A
SAMPLE COND. Good

ASI ANALYTICAL SERVICES, INC.

ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS

390 TRABERT AVENUE • ATLANTA, GEORGIA 30309 • (404) 892-8144

FAX (404) 892-2740 • Federal I.D. # 58-1625655

CHAIN OF CUSTODY RECORD

PROJECT NUMBER: 1.2026-65	PROJECT NAME: Sumrall Remediation
CLIENT NAME: William L. Bonnell Co.	
PROJECT MANAGER: Terry Snell	COPY TO:
REQUESTED COMP. DATE: 24-Hr TA	SAMPLING REQUIREMENTS: SDWA ☐ NPDES ☐ RCRA ☒ OTHER ☐

STA NO.	DATE	TIME	COMP	GRAB	SOIL	SAMPLE DESCRIPTIONS	# OF CONTAINERS	TPH 418.1M	Oil & Grease 9071	LAB ID
	8/8	8:30	X		X	5023-6-10A	2	1	1	
	8/8	8:32	X		X	5023-4-1A	2	1	1	
	8/8	8:35	X		X	5023-4-2A	2	1	1	

FOR LAB USE ONLY

LAB# 64868

LAB #

PROJECT NO.

ACK | VERIFIED

QUOTE# | BS

NO. OF SAMP 3 | PG 1 | OF 1

REMARKS: Cloudy 85°

SAMPLED BY AND TITLE: Daniel Wyatt	DATE/TIME: 8 Aug 95 / 8:45 am	RELINQUISHED BY: Daniel Wyatt	DATE/TIME: 8 Aug 95 8:55 am
RECEIVED BY: 1 Donnie Bivens	DATE/TIME: 8-8-95 9:15 am	RELINQUISHED BY:	DATE/TIME:
RECEIVED BY:	DATE/TIME:	RELINQUISHED BY:	DATE/TIME:
RECEIVED BY LAB:	DATE/TIME: 8-8-95 10:50	SAMPLE SHIPPED VIA: UPS BUS FED-EX (HAND) OTHER	AIR BILL #

HAZWRAP/NEESA Y N

QC LEVEL 1 2 3

COC ✓ | ICE ✓

ANA REQ | TEMP 1°C

CUST SEAL No | PH N/A

SAMPLE COND. Good

ENTERED INTO LIMS | COC REVIEWD

REMARKS: Ann Michael 8/8/95 11:59 6 containers

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(404) 734-4200 • FAX (404) 734-4201

CHAIN OF CUSTODY RECORD

CLIENT NAME: William L. Bonnell
CLIENT ADDRESS AND PHONE NUMBER: 254-1690
25 Bonnell ST
Newnan GA 30264
PROJECT MANAGER: Terry D. Snell
COPY TO (if applicable):
REQUESTED COMPLETION DATE: 24hr. TAT
SAMPLING REQUIREMENTS: SDWA ☐ NPDES ☐ RCRA ☐ OTHER ✓

PROJECT NAME: SWMU Remediation
PROJECT NUMBER:

PURCHASE ORDER NO.
FOR LAB USE ONLY
LAB #: 64597
PROJECT NO.
ACK | VERIFIED
QUOTE # | BS
NO. OF SAMP: 19 | PG: 1 | OF: 2

SAMPLE ID	DATE	TIME	COMP	GRAB	SOIL	SAMPLE DESCRIPTIONS	# OF CONTAINERS	ANALYSES REQUESTED: VOC *	TPH	LAB ID	REMARKS/ADDITIONAL INFORMATION
1	7/28	1500		X	X	SWMU-35-5	1	1			*See ATTECHED LIST,
2	7/28	1525	X		X	SWMU4/4-A	1		1		analyze For analytes
3	7/28	1527	X		X	SWMU-4-14-B **	1		1		LISTED LISTED IN
4	7/28	1540		X	X	SWMU-16-1	1	1			SWMU-35,
5		1541	X		X	SWMU-16-1	1		1		SWMU-16
6		1543		X	X	SWMU-16-2	1	1			
7		1544	X		X	SWMU-16-2	1		1		** Hold until further
8		1545		X	X	SWMU-16-3	1	1			notice.
9		1546	X		X	SWMU-16-3	1		1		
10		1548		X	X	SWMU-16-4	1	1			
11		1549	X		X	SWMU-16-~~5~~-4	1		1		
12		1550		X	X	SWMU-16-5	1	1			
13		1551	X		X	SWMU-16-5	1		1		
14		1553		X	X	SWMU-16-6	1	1			
15		1554	X		X	SWMU-16-6	1		1		

SAMPLED BY AND TITLE: Schlson/Morgan
DATE/TIME: 7/28/95 See Above
RELINQUISHED BY: [signature]
DATE/TIME: 7/28/95 1745
HAZWRAP/NEESA Y N
QC LEVEL 1 2 3
COC ✓ ICE ✓
ANA REQ TEMP 0°C
CUST SEAL No PH N/A
SAMPLE COND. Good

RECEIVED BY:
DATE/TIME
RELINQUISHED BY:
DATE/TIME

RECEIVED BY:
DATE/TIME
RELINQUISHED BY:
DATE/TIME

RECEIVED BY LAB: [signature]
DATE/TIME: 7-28-95 17:50
SAMPLE SHIPPED VIA: UPS BUS FED-EX (HAND) OTHER
AIR BILL #

REMARKS: 19 containers
ENTERED INTO LIMS
COC REVIEWD

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CHAIN OF CUSTODY RECORD

CLIENT NAME: William L. Bonnell
CLIENT ADDRESS AND PHONE NUMBER: 254-7640
25 Bonnell ST.
Newnan GA 30264
PROJECT MANAGER: Terry D. Snell
COPY TO (if applicable):
REQUESTED COMPLETION DATE: 24hr. TAT
SAMPLING REQUIREMENTS: SDWA ☐ NPDES ☐ RCRA ☐ OTHER ☑ ____

PROJECT NAME: SWMU Remediation
PROJECT NUMBER:
PURCHASE ORDER NO.
FOR LAB USE ONLY
LAB # 64597
PROJECT NO.
ACK | VERIFIED
QUOTE # | BS
NO. OF SAMP 19 | PG 2 | OF 2

SAMPLE ID	DATE	TIME	COMP	GRAB	SOIL	SAMPLE DESCRIPTIONS	# OF CONTAINERS	ANALYSES REQUESTED: VOC *	TPH	LAB ID
16	7/28	1556		X	X	SWMU-17-7 (16 Dup)	1	1		
17		1557	X		X	SWMU-16-7	1		1	
18		1559		X	X	SWMU-16-8	1	1		
						~~SWMU #~~ Dup				
19	↓	1600	X		X	SWMU-16-8	1		1	

REMARKS/ADDITIONAL INFORMATION
* See ATTACHED LIST
analyze for ANALYTES
LISTED IN SWMU-16

SAMPLED BY AND TITLE: Johnson/Morgan
DATE/TIME: 7/28/95 1745
RECEIVED BY:
DATE/TIME:
RECEIVED BY:
DATE/TIME:
RECEIVED BY LAB:
DATE/TIME: 7-28-95 17:50
REMARKS: 19 containers

RELINQUISHED BY:
DATE/TIME: 7/28/95 1745
RELINQUISHED BY:
DATE/TIME:
RELINQUISHED BY:
DATE/TIME:
SAMPLE SHIPPED VIA: UPS BUS FED-EX (HAND) OTHER ____
AIR BILL #

HAZWRAP/NEESA Y N
QC LEVEL 1 2 3
COC ✓ | ICE ✓
ANA REQ | TEMP 0°C
CUST SEAL No | PH N/A
SAMPLE COND. Good

ENTERED INTO LIMS ____ COC REVIEWD ____

ASI ANALYTICAL SERVICES, INC.

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110 TECHNOLOGY PARKWAY • NORCROSS, GA 30092 • (404) 734-4200
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CHAIN OF CUSTODY RECORD

PROJECT NUMBER	PROJECT NAME: Soil Sample
CLIENT NAME: Bonnell, William L	
PROJECT MANAGER: Terry Snell	COPY TO:
REQUESTED COMP. DATE: Normal	SAMPLING REQUIREMENTS: SDWA ☐ NPDES ☐ RCRA ☐ OTHER ☐

CLIENT ADDRESS AND PHONE NUMBER: 25 Bonnell St. Newnan GA 235-2020

STA NO.	DATE	TIME	COMP	GRAB	SOIL	SAMPLE DESCRIPTIONS	# OF CONTAINERS	VOC per Attached Sheet	Metals	TPH	LAB ID
1	7/17	9:10		X		SO-13-1-1	1	1			
↓	7/17	9:10		X		SO-13-1-2	1	1			
2	7/17	9:20	X			SO-50	1		1		
3		9:30		X		SO-19-3	1	1			
		9:30	X			↓	2		1	1	
		9:40		X		SO-19-2	1	1			
		9:40	X			SO-19-2	2		1	1	
		9:50		X		SO-19-1	1	1			
↓		9:50	X			SO-19-1	2		1	1	
4	↓	10:30		X		SO-16-2	1	1			
↓	↓	10:30	X			SO-16-2	1			1	

ANALYSES REQUESTED

FOR LAB USE ONLY

LAB# 04209
LAB #
PROJECT NO.
ACK | VERIFIED
QUOTE# | BS
NO. OF SAMP 11 | PG 1 | OF 1

REMARKS

* Please FAX results To Terry Snell.

Samples received 7/17
Logged in 7/18 am

SAMPLED BY AND TITLE	DATE/TIME 7/17/95	RELINQUISHED BY	DATE/TIME 7/18/95 1445
RECEIVED BY:	DATE/TIME	RELINQUISHED BY:	DATE/TIME
RECEIVED BY:	DATE/TIME	RELINQUISHED BY:	DATE/TIME
RECEIVED BY LAB: Gail M. Miguel	DATE/TIME 7/17/95 15:58	SAMPLE SHIPPED VIA UPS BUS FED-EX HAND OTHER	AIR BILL #

HAZWRAP/NEESA Y N
QC LEVEL 1 2 3
COC ✓ ICE ✓
ANA REQ TEMP 9°C
CUST SEAL no PH n/a
SAMPLE COND. good

ENTERED INTO LIMS _____ COC REVIEWD _____

REMARKS: 14 containers

ASI ANALYTICAL SERVICES, INC.

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(404) 734-4200 • FAX (404) 734-4201

CHAIN OF CUSTODY RECORD

CLIENT NAME: William L. Bonnell
CLIENT ADDRESS AND PHONE NUMBER: 25 Bonnell St. Newnan Ga 30264 254-7690
PROJECT MANAGER: Terry D. Snell
COPY TO (if applicable):
REQUESTED COMPLETION DATE: VOC, Cr 24 hr TAT. SU 48 hr TAT.
SAMPLING REQUIREMENTS: SDWA ☐ NPDES ☐ RCRA ☑ OTHER ____
PROJECT NAME: SWMU Remediation
PROJECT NUMBER:
PURCHASE ORDER NO.
FOR LAB USE ONLY
LAB # 64511
PROJECT NO.
ACK | VERIFIED
QUOTE # | BS
NO. OF SAMP 13 | PG 1 | OF 1

SAMPLE ID	DATE	TIME	COMP	GRAB	SOIL	SAMPLE DESCRIPTIONS	# OF CONTAINERS	VOC (8260) *	Naphthalene (8270)	Cr	LAB ID	REMARKS/ADDITIONAL INFORMATION
1	7-26	1345		X	X	SWMU-18 - A	2	1	1			* See attached list, analyze for analytes listed in SWMU - 18
2		1350				- B						
3		1355				- C						
4		1357				- D						
5		1400				- E						
6		1405				- F						
7		1410				- G						
8		1415				- H						
9		1418				- I						
10		1420				- J						
11		1450	X		X	SWMU-19 - 1	1			1		
12		1453	X		X	- 2	1			1		
13	↓	1455	X		X	- 3	1			1		

SAMPLED BY AND TITLE: Johnson FSM
DATE/TIME: 7-26-95 see above
RELINQUISHED BY:
DATE/TIME: 7-26-95 1700
HAZWRAP/NEESA Y N
QC LEVEL 1 2 3
COC ✓ | ICE
ANA REQ | TEMP 6°C
CUST SEAL No | PH N/A
SAMPLE COND. Good

RECEIVED BY:
DATE/TIME:
RELINQUISHED BY:
DATE/TIME:

RECEIVED BY:
DATE/TIME:
RELINQUISHED BY:
DATE/TIME:

RECEIVED BY LAB:
DATE/TIME: 7-26-95 17:00
SAMPLE SHIPPED VIA: UPS BUS FED-EX (HAND) OTHER ____
AIR BILL #

REMARKS: 23 Containers
ENTERED INTO LIMS ____ COC REVIEWD ____