



**TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF UNDERGROUND STORAGE TANKS
COOKEVILLE ENVIRONMENTAL FIELD OFFICE
FIELD TRIP REPORT**

FACILITY ID: N/A

FACILITY NAME: N/A

DATE OF TRIP: 3/17/2014

WEATHER CONDITIONS: 30's and cloudy

UST PERSONNEL PRESENT: Justin Meredith and Dennis Smith

Dennis Smith and Justin Meredith arrived for a meeting at city hall regarding a complaint (see attached) made to TDEC-UST Cookeville Field Office on 3/14/14. Dennis and Justin meet with Eric Brady and Tim Begley the storm water coordinator and director of engineering for the city of Crossville. Mr. Begley went through a map of the proposed project to upgrade Main St. They have several locations marked where old UST's may still be buried. The UST database does not show any information on these sites because of their age and them not being operated under the UST program. A tank closure was performed on a tank behind Mayberry furniture in 2001(attached is closure letter and sample results). Attached also is an email from Mr. Jim Powers describing possible old tank locations which have been marked on the attached map with associated key. Also provided was a map of geotechnical borehole locations that had been done in the area. Petroleum odor was noted from boreholes marked in green. No soil samples were taken at this time.

Dennis, Justin and Eric then went to the corner of Lantana Rd. and South Main St. to begin investigating.

Storm Sewer 1 – No odor, no staining, 0.0 on the LEL (photo attached) N 35.94588 W 85.02473

Storm Sewer 2 – Faint odor, staining, 0.0 on the LEL (photo attached) Video taken
N 35.94621 W 85.02432

Storm Sewer 3 – No odor, staining, 0.0 on the LEL (photo attached) Video taken
N 35.94720 W 85.02505

There was no physical evidence of UST's found as we walked the area. There was also no conclusive evidence of contamination. We then proceeded to go into Mayberry's furniture store. Mr. Mike Welch the manager talked with us about the store and there may be old UST's still buried out front he was not sure. Mr. Welch has been working there over 20 years and said he has never smelled any vapors. In talking with Mr. Welch it was discovered that the store had a basement that was always flooded with about a foot of water. We asked to look in the basement just to get a reading and smell. He was happy to oblige. The basement was dark and dank it is where the coal furnace used to be. No LEL readings or odor was detected in the basement. The owner Mr. James Mayberry came over and got out some old photos of Main Street. These photos where from the 1930's to 1950's and showed the location of some old gas station long since gone. We thanked them for their time and left. We then searched a little longer for evidence of UST's around the buildings. After not finding anything we thanked Mr. Brady, parted ways and left the site.

Attachments: Phone log complaint

Photo's storm sewer 1, 2, 3 and map with associated locations marked

Mr. Powers email with associated Main street project map and key

Geotechnical borehole location comments and associated map

4-180022 closure letter and sample results from closure



ENVIRONMENTAL FIELD OFFICE
TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
1221 SOUTH WILLOW AVENUE
COOKEVILLE, TENNESSEE 38506
(931)432-4015 STATEWIDE 1-888-891-8332 FAX (931)432-6952

Phone Call:

Date: March 13, 2014

Time 1:40 PM

To: Dennis Smith

From: Jim Ramsey
Crossville TN
Phone 931-788-5797

Purpose: Concern about old Underground Storage Tanks under Main Street, Crossville

Mr. Ramsey is a resident of Crossville TN. He told me there was a Crossville city commission meeting on November 11, 2014. One item discussed was related to ongoing plans to upgrade downtown.

As part of the discussion they talked about old underground gasoline tanks either under Main Street or very close to it. The discussion also mentioned the tanks may still be holding gasoline and that the subject tanks may be leaking since odors had been noted.

Mr. Ramsey was interested in learning if anyone in our office had been properly notified of the tanks, possible hazard or impact. He related he was a former manager in a large company who had to address numerous UST's and related contamination. He seemed very knowledgeable about the issues.

I explained depending on age, contents and possible impact that at least two groups in our department could be involved. I assured him we would start an investigation.

He told me current city manager was a Mr. Graham. I told him I would contact Mr. Graham about meeting.

There was message on my answering machine I received 3-12-14 @ 11:34 AM. It was Mr. Ramsey, requesting I contact him.

Called Mr. Ramsey, no answer, @ 3:44 PM to tell him of my contact with city, & appointment to investigate.



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PHONE LOG

UST Representative

Name: _____ Name: Melanie
Affiliation: City Mayor's Office
Phone #: _____ Phone #: 931-484-5113

Facility Name and ID #: _____
County: _____ City: _____ Date: 3-13-2014 - 2:20PM

Details of Conversation: City Council Meeting.
Mayor - Mr. JH Graham.
City Manager: David Rutherford cell/ 931-743-3675
Fire Department: Mike Turner
Police Officer: David Beatty
www.crossville tn.gov - city council - links archives
City Hall - Old Bank on left.



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PHONE LOG

UST Representative

Name: DE Smith

Name: David Rutherford

Affiliation: _____

Phone #: _____

Phone #: _____

Facility Name and ID #: _____

County: _____ City: _____ Date: _____

Details of Conversation: _____

Beautification Project - for Downtown,

December 8, 2011 - Jan 11, 2012 - Vanover

Elwin Hamaker. NO UST issues.

No complaints to City of vapors.

Map may show tanks, addresses.

Public Works 4-10- 17+18th

Sewer 1



sewer 2



sewer 3





David Rutherford

From: Evan Sanders <esanders@cdpllc.com>
Sent: Friday, January 13, 2012 11:06 AM
To: 'Sally Oglesby'; John Grossmann; James Golias
Cc: 'Sarah Vanoy'
Subject: FW: Underground Storage Tanks
Attachments: Div. Underground Storage - Review Letter 1-11-12.pdf

All,
After information on possible underground storage tanks was submitted by Jim Powers (email below), we went ahead and requested that TDEC Division of Underground Storage Tanks do a review of the proposed project area to see if they flagged anything. Well, we just received their review comments, which stated they are not aware of any issues (see attached). Since the TEP/SRF/ARC/EDA environmental reviews did not require and/or trigger a response on this issue, it is a little perplexing how to proceed. Environmental approvals from these agencies aside, I think it would be prudent to make sure we have fully addressed this issue on the front end instead of coming upon one of these tanks during construction and having to shut the contractor down while the situation is reviewed by the State. I guess that is if we have clear cut documentation of what is in the way.

Did Mr. Powers ever submit a map detailing the expected location of the tanks that fall within our construction area? Now that we have gotten a response from Underground Storage that says we're all clear, if we have a map detailing expected sites we could follow up with them to get guidance on how to proceed.

Let me know what you think. This is just such a large scale project that the fewer surprises hit during construction the better.

Thanks to everyone.
Evan

From: Jim Powers [<mailto:depainc@volfirst.net>]
Sent: Friday, December 02, 2011 4:13 PM
To: Sally Oglesby
Cc: bruce.wyatt@crossvilletn.gov
Subject: Re: Underground Storage Tanks

Sally,

I'm afraid that I know too much! I worked on the old Broadway Service Station (now Scarlett's car lot and office) for the former First National Bank several years ago. Using a magnetometer, we located five tanks. Two are virtually on the 127 ROW next to Mayberry's Furniture store. Joe Lee Smith put those in and confirmed the location. Two older tanks are mostly under the office building on the Highway 70 East side and one is near the Highway 70 East ROW and appears to be a small waste oil tank. According to Dawson Reed, who operated a rental business there ~30 years ago, the late Mose Dorton had the two older tanks filled with gasoline during the late 1970's oil crisis and gasoline shortages and it was never recovered. I would guess it has leaked out by now and the tanks may be filled with water, hard to tell. There are two more tanks across Highway 70 East (old Warner Motor Company). I think that they are at the rear of the property, but I am sure that Darwin Scarlett knows exactly where they are located since he asked me about dealing with them several years ago. I am sure that he has not done anything with them. There is a few more potential problem sites that may come up as you go along. For example, L.L. Danley operated a service station and had a bulk plant at

the former First National Bank drive-thru branch that CMC has now at the corner of East First and Main Street. I have a map and a listing of all the problematic environmental sites that we have been able to identify over the years with a lot help from the late Bill Mayberry and Ken Burnett. I am willing to share that information, if you guys need it. What else can I tell you?

Jim

From: Sally Oglesby

Sent: Friday, December 02, 2011 3:41 PM

To: 'Jim Powers'

Cc: bruce.wyatt@crossvilletn.gov

Subject: Underground Storage Tanks

Jim,

We've been discussing the underground storage tanks that might be in the downtown project area. Do you have any knowledge about the tanks that were at Old Rockwood Rd/Main? We believe there were some for businesses on either side of the road, but don't know where they might be located. We are at the stage of trying to find out anything that might come as a "surprise" when we start digging up sidewalks and roads. Thanks.

Sally Oglesby, MMC

City Clerk

99 Municipal Ave.

Crossville, TN 38555

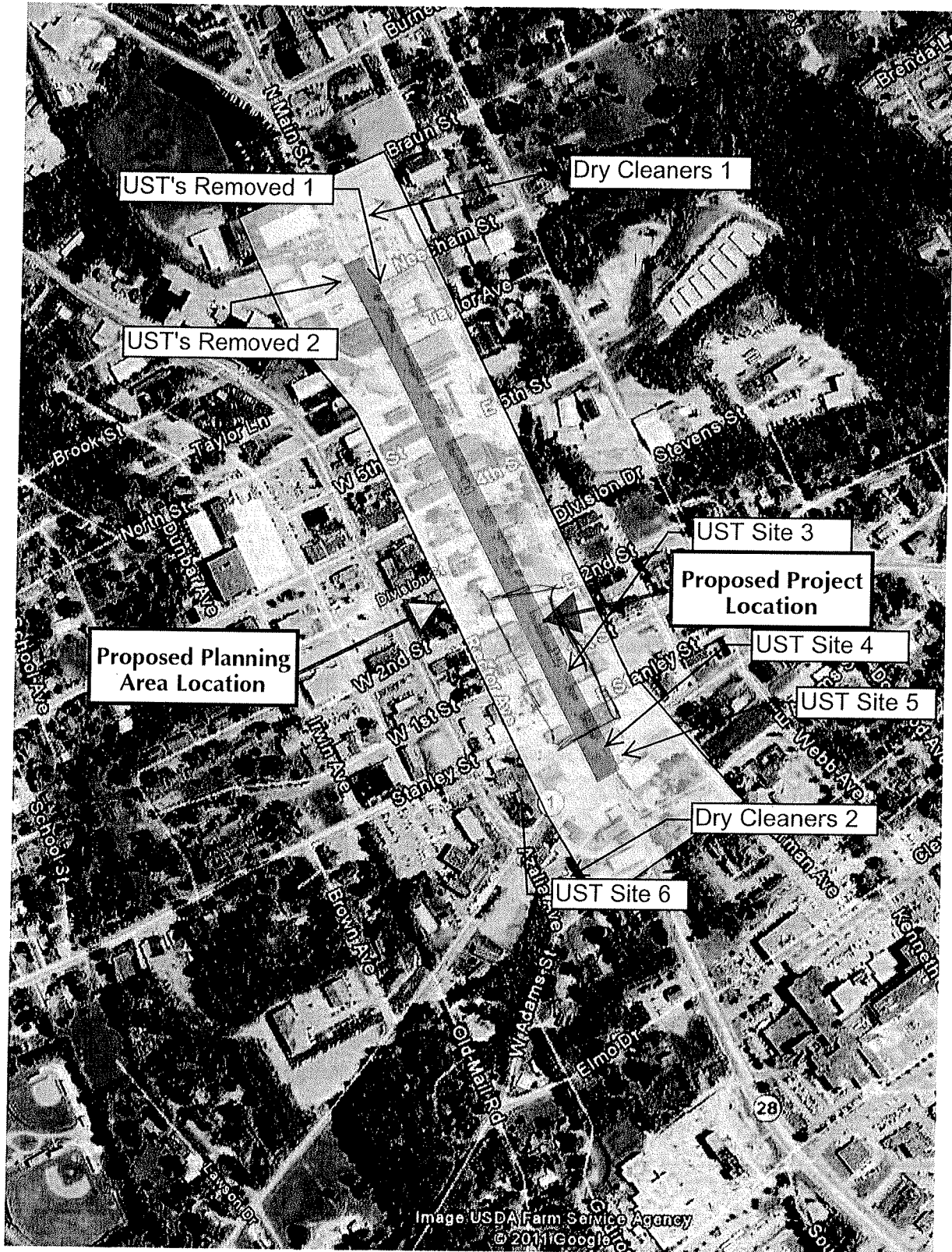
(931) 456-5680

(931) 484-7713 FAX

Key to Downtown Project Map

- 1. Dry Cleaners 1 = Eddie's Maytag Laundry & Cleaners, 254 North Main St.**
- 2. Dry Cleaners 2 = Sunshine Laundry & Cleaners, 33 Azalia Avenue**
- 3. UST's Removed 1 = Former Publix Oil, now a used car lot, N. Main @
Neecham**
- 4. UST's Removed 2 = Best One Tire, 227 N. Main St.**
- 5. UST Site 3 = Former L.L. Danley Gas Station & Bulk Plant, Now CMC, E.
1st @ Main**
- 6. UST Site 4 = Former Broadway Gas, now Scarlett's Car Lot, Hwy 70 E @
Main**
- 7. UST Site 5 = Former Warner Motor Co., now Scarlett's garage, Hwy 70 @
Main**
- 8. UST Site 6 = Ed Jones Service Station, inactive but tanks remain, West Ave
@ Hwy 101**

City of Crossville, Tennessee Main Street Water Line Replacements



BH #14	1857.17	0.33	1	0.58	N/A	2.85 ft BGL	2.85 ft BGL
Notes: Metal expansion joint in concrete section							
BH #15	1856.99	0.23	3	0.57	N/A	5.4 ft BGL	5.4 ft BGL
BH #16	1860.56	0.13	1	0.63	N/A	2.6 ft BGL	2.6 ft BGL
BH #17	1860.78	0.29	2	0.58	N/A	5.7 ft BGL	5.7 ft BGL
BH #18	1860.35	0.21	2	0.61	N/A	1.4 ft BGL	1.4 ft BGL
BH #19	1865.03	0.21	2	0.54	N/A	2.31 ft BGL	2.31 ft BGL
BH #20	1865.37	0.27	3	0.61	N/A	8.1 ft BGL	8.1 ft BGL
Notes: Metal expansion joint in concrete section							
BH #21	1865.07	0.23	1	0.6	N/A	NO REFUSAL	10.4 ft BGL
BH #22	1867.36	0.18	2	0.65	N/A	10.0 ft BGL	10.0 ft BGL
BH #23	1867.77	0.27	1	0.56	N/A	NO REFUSAL	10.4 ft BGL
Notes: Petroleum Odor							
BH #24	1867.54	0.27	2	0.50	N/A	NO REFUSAL	10.4 ft BGL
BH #25	1871.89	0.07	1	0.73	N/A	9.7 ft BGL	9.7 ft BGL
Notes: Petroleum Odor							
BH #26	1872.39	0.28	1	0.60	N/A	NO REFUSAL	10.4 ft BGL
Notes: Petroleum Odor. Metal expansion joint in concrete section.							
BH #27	1872.03	0.5	2	N/A	N/A	NO REFUSAL	0.5 ft BGL
Notes: Utility Conflicts – wire was found while coring possibly locator wire for water line							
BH #28	1881.56	0.22	1	0.79	N/A	NO REFUSAL	1.01 ft BGL
Notes: Utility Conflicts – sewer, pavement core only							
BH #29	1882.47	N/A	N/A	N/A	N/A	N/A	N/A
Notes: Utility Conflicts – Sewer, Traffic Conflicts – Safety Concerns, hole skipped							
BH #30	1882.27	0.21	1	0.79	N/A	NO REFUSAL	1.0 ft BGL
Notes: Utility Conflicts – sewer, pavement core only							
BH #31	1854.26	0.41	2	N/A	0.2	10.1 ft BGL	10.1 ft BGL

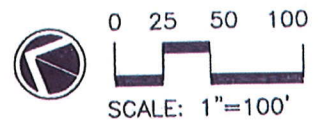
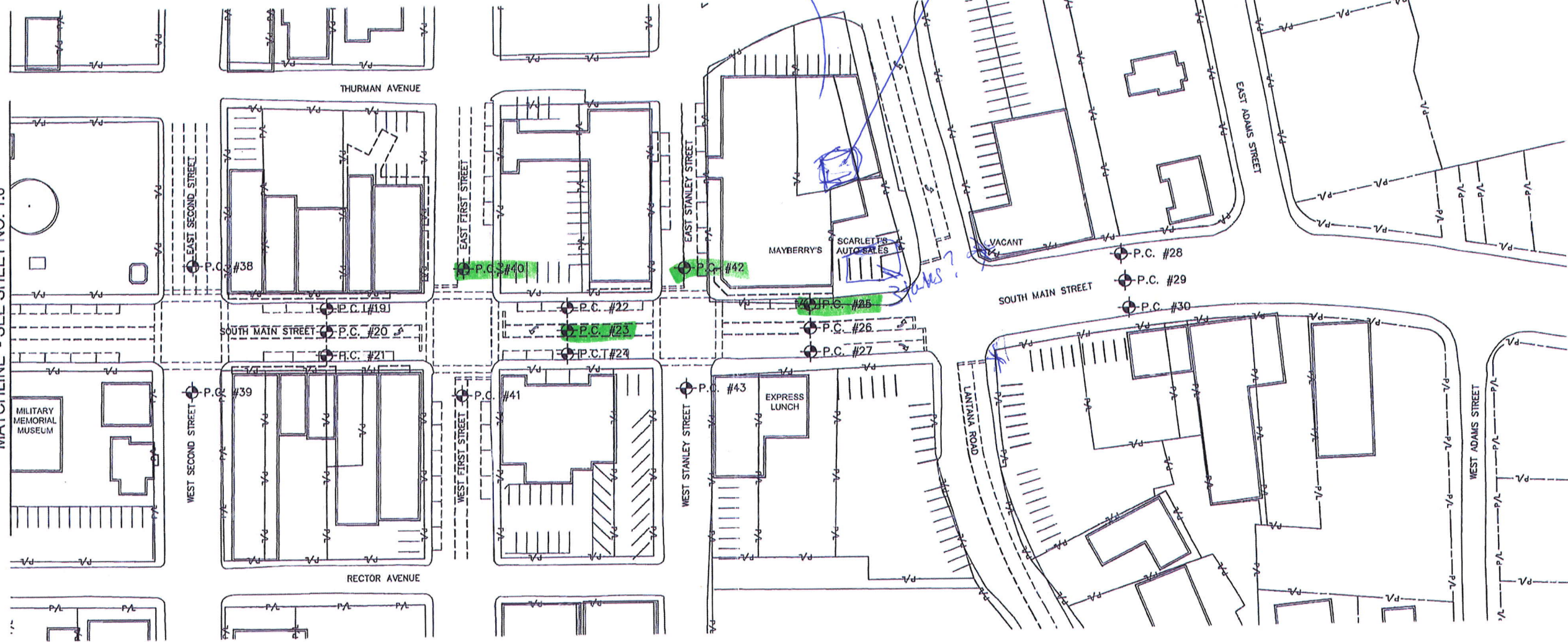


BH #32	1853.22	1.02	6	N/A	N/A	7.0 ft BGL	7.0 ft BGL
Notes: Petroleum Odor							
BH #33	1855.39	0.44	3	N/A	0.56	NO REFUSAL	10.4 ft BGL
BH #34	1852.57	0.32	3	N/A	0.33	2.0 ft BGL	2.0 ft BGL
BH #35	1855.96	0.71	4	N/A	0.17	4.63 ft BGL	4.63 ft BGL
BH #36	1858.16	0.56	2	N/A	0.21	3.0 ft BGL	3.0 ft BGL
BH #37	1856.74	0.54	2	N/A	N/A	5.4 ft BGL	5.4 ft BGL
BH #38	1864.27	0.44	1	N/A	N/A	9.1 ft BGL	9.1 ft BGL
BH #39	1864.57	0.54	5	N/A	N/A	NO REFUSAL	11.0 ft BGL
BH #40	1865.33	0.58	1	N/A	0.4	NO REFUSAL	11.0 ft BGL
Notes: Petroleum Odor							
BH #41	1865.16	1.09	5	N/A	N/A	NO REFUSAL	1.08 ft BGL
Notes: Utility Conflicts – water and sewer							
BH #42	1869.36	0.56	4	N/A	N/A	NO REFUSAL	11.0 ft BGL
Notes: Petroleum Odor							
BH #43	1869.33	0.21	1	N/A	N/A	NO REFUSAL	11.0 ft BGL

GL represents ground level; BGL represents below ground level



MATCHLINE - SEE SHEET NO. 1.0



**CROSSVILLE DOWNTOWN ECONOMIC DEVELOPMENT
STREETScape IMPROVEMENT PROJECT**

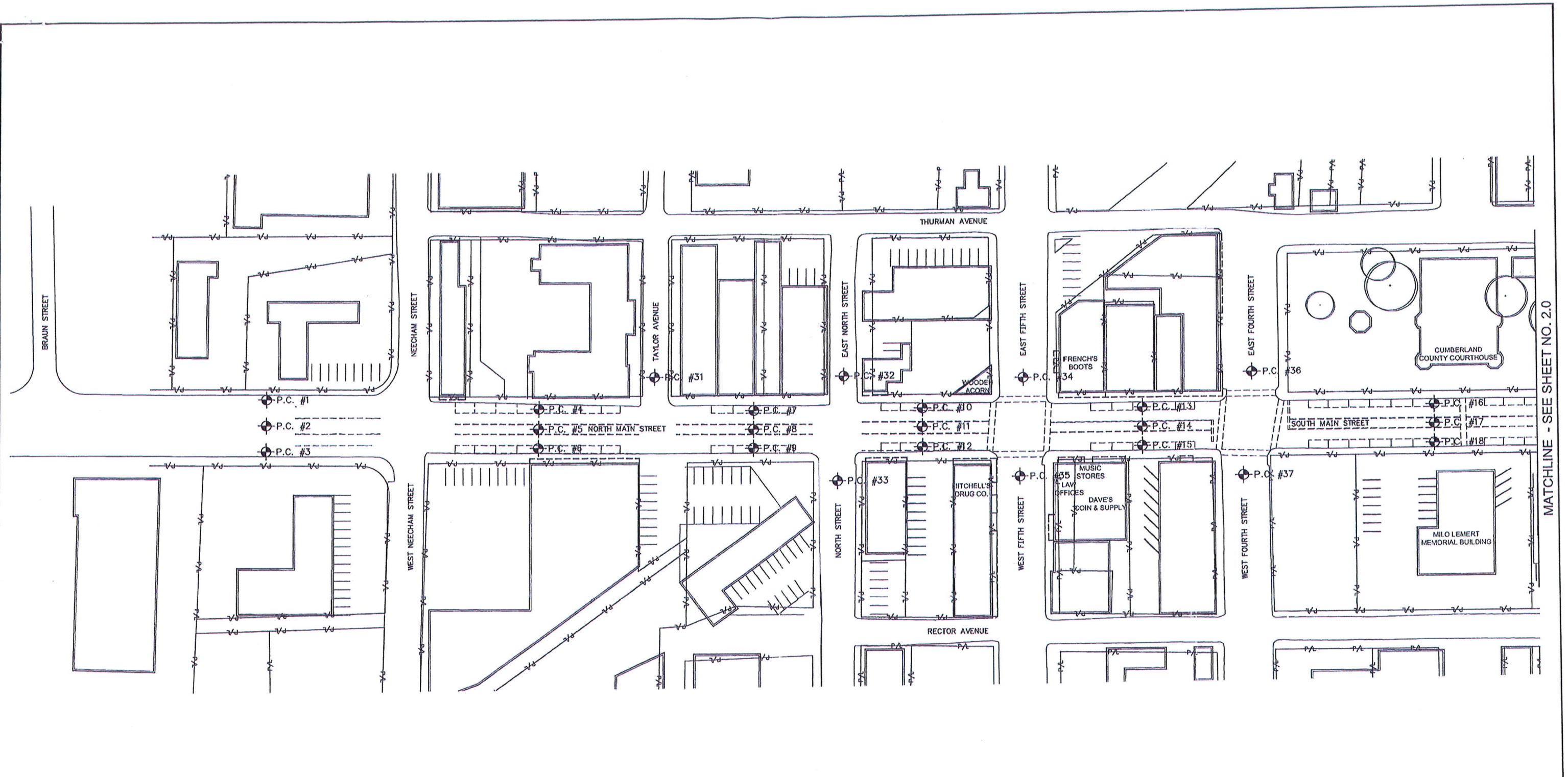
HART FREELAND ROBERTS, INC.
7101 EXECUTIVE CENTER DRIVE, SUITE 300
BRENTWOOD, IN 37027
(615) 370-8500 FAX (615) 370-8530

E. G. & G., Inc.
Landscape Architecture • Planning • Engineering
388 SOUTH MAIN STREET, SUITE 301, AKRON, OHIO 44311
(330) 378-2790 FAX (330) 379-2791

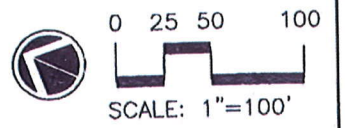
Revisions:

Designed by: JGG
 Drawn by: NLM
 Checked by: JGG
 Date:
 AUGUST, 2010
 Project No:
 27017.01

Sheet Title:
PAVEMENT CORES
 Sheet No:
 2.0



MATCHLINE - SEE SHEET NO. 2.0



CROSSVILLE DOWNTOWN ECONOMIC DEVELOPMENT STREETScape IMPROVEMENT PROJECT

HART FREELAND ROBERTS, INC.
7101 EXECUTIVE CENTER DRIVE, SUITE 300
BRENTWOOD, TN 37027
(615) 370-3500 FAX (615) 370-8530

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(330) 379-2790 FAX (330) 379-2791

Revisions:	Designed by: JGG
	Drawn by: NLM
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	Date:
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	27017.01

Sheet Title:	PAVEMENT CORES
Sheet No:	1.0



UST-COOKEVILLE FIELD
OFFICE CASE FILE

ENVIRONMENTAL ASSISTANCE CENTER
TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
1221 SOUTH WILLOW AVENUE
COOKEVILLE, TENNESSEE 38506
PHONE (931) 432-4015 STATEWIDE 1-888-891-8332 FAX (931) 432-6952

January 23, 2001

Mr. Denzil Graham
2971 Lantana Rd.
Crossville TN 38555

RE: Final Approval of UST Closure
Graham Shell
39 Highway 70 East
Crossville TN 38555 Cumberland, County
Facility ID # 4-180022

Mr. Graham:

The Division of Underground Storage Tanks has received the Permanent Closure Report dated January 8, 2001 for the referenced facility. The analytical results do not indicate contamination above the applicable cleanup levels. Based on the information available, the 10,000 Gallon, tank number 4 approved for closure on the application dated October 18, 2000 can be considered closed. At this time no further investigation is required. However, the Division reserves the right to require additional action if necessary.

Rule 1200-1-15-.02(3)(a) requires owners/operators to notify the Division of any changes (removal, change-in-service, new installation, etc.) made in the UST system.

If an amended notification form has not been submitted, complete and mail a form to:

Division of Underground Storage Tanks
4th Floor, L & C Tower
401 Church Street
Tennessee Department of Environment and Conservation
Nashville, Tennessee 37243-1541

Information is available at www.state.tn.us/environment/ust

If you have any questions concerning this correspondence, call (931) 432-4015.

Sincerely,

Dennis E. Smith
Division of Underground Storage Tanks

c: Nashville UST Central Office - Fee and Notification Section
Cookeville EAC, UST case file 4-180022

33. Analytical Tables. Complete all applicable tables below:

TABLE 1 - BENZENE AND MTBE SOIL ANALYTICAL RESULTS

Sample/Boring # (Tank, Line, & Dispenser)	Sample Date	Sample Depth (Feet) - Below Ground Surface (BGS)	Field Screening Results (PPM)	MTBE Analytical Results (PPM)	Benzene Analytical Results (PPM)
Line Trench	10/25/00	2.33	Non Detect	<0.0051	<0.0051
Dispenser Island	10/25/00	2.33	310	<0.233	<0.223
Tank Pit NW	10/31/00	10.0	7.6	<0.0042	<0.0042
Tank Pit SW	10/31/00	11.6	72.0	<0.0049	<0.0049
Tank Pit NE	10/31/00	10.0	4.6	<0.0053	<0.0053
Tank Pit SE	10/31/00	10.0	4.6	<0.00565	<0.00565

TABLE 2 - GRO AND EPH SOIL ANALYTICAL RESULTS

Sample/Boring # (Tank, Line, & Dispenser)	Sample Date	Sample Depth (Ft) (BGS)	Field Screening Results (PPM)	GRO Analytical Results (PPM)	EPH Analytical Results (PPM)	Sum of GRO + EPH Analytical Results (PPM)
Line Trench	10/25/00	2.33	Non Detect	<0.10	N/A	<0.10
Dispenser Island	10/25/00	2.33	310	226.0	N/A	226.0
Tank Pit NW	10/31/00	10.0	7.6	<0.10	N/A	<0.10
Tank Pit SW	10/31/00	11.6	72.0	<0.10	N/A	<0.10
Tank Pit NE	10/31/00	10.0	4.6	<0.10	N/A	<0.10
Tank Pit SE	10/31/00	10.0	4.6	<0.10	N/A	<0.10

TABLE 3 - GROUND WATER ANALYTICAL RESULTS

Sample Location (i.e. MW #, Pit #, Recharge Water)	Sample Date	MTBE Analytical Results (PPM)	Benzene Analytical Results (PPM)	GRO Analytical Results (PPM)	EPH Analytical Results (PPM)	Sum of GRO + EPH Analytical Results (PPM)
N/A						