

**Contamination Screening Evaluation Report  
Proposed State Road 46 Widening  
From State Road 415 to County Road 426  
Seminole County, Florida**

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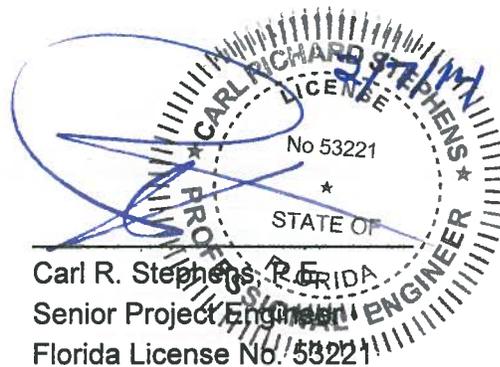
Ardaman & Associates, Inc.



Ardaman & Associates, Inc.

Geotechnical, Environmental and  
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The following employees of Ardaman & Associates, Inc. are responsible for the technical content contained in this Contamination Screening Evaluation Report. This report presents the results of Ardaman & Associates, Inc.'s assessment, as described herein, and is intended only for use by URS. It was prepared in general conformance with Chapter 22 of the Florida Department of Transportation's Project Development and Engineering Manual and in accordance with our agreement for consulting services.



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JJS/CRS/

11-6669 SR 46 cser jjs (2011 Env.)

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As requested, we have completed a Contamination Screening Evaluation Report following the general methodology of Chapter 22 of the Florida Department of Transportation (FDOT) Project Development and Environmental Guidelines for the above referenced site. This report provides our professional opinion relative to the possibility of recognized environmental conditions, as defined in Chapter 22 of the FDOT's Project Development and Environmental Manual, in connection with the proposed SR 46 widening project. This report documents our findings and presents our professional conclusions.

## 1.0 INTRODUCTION

The objective of our work during this assessment was to identify and evaluate areas of environmental concern in connection with the project through a review of the site history and through site reconnaissance. In addition, we have ranked properties located on or adjacent to the proposed State Road 46 widening alignment relative to potential contamination problems which could impact the project.

The preparation of this report involved the following tasks:

- Field observations of the project corridor and the area surrounding the corridor to verify information provided and to identify other potential sources within the vicinity of the project.
- Review of relevant regulatory agency records relative to whether hazardous waste disposal areas or hazardous waste generators exist within or adjacent to the project corridor.
- Review of aerial photographs to note potential waste sources or disposal areas located within or adjacent to the project corridor.
- Review of Seminole County Property Appraiser records available online.

## 2.0 SITE CONDITIONS

### 2.1 Site Location

The proposed extension alignment project would widen State Road 46 from State Road 415 to County Road 426, a distance of approximately 7.39 miles. The proposed alignment project is located within Sections 1, 2, 3, 34, 35, Township 20 South and Range 31 East and within Sections 6, 7, 8, 16, 17, 21, and 22, Township 20 South and Range 32 East is shown superimposed on the Osteen, Oviedo and Geneva, Florida USGS quadrangle maps presented as **Figure 1**.

### 2.2 Review of Available Data

#### 2.2.1 Soil Survey Map

Based on the March, 1990 Soil Survey for Seminole County, Florida, as prepared by the U.S. Department of Agriculture Soil Conservation Service, the soils within the general project area include soils of the broad areas and low ridges and knolls on the flatwoods, hillsides and ridges on the uplands, soils in sloughs and poorly defined drainageways as well as depressions, freshwater marshes and swamps and frequently flooded areas.

Basinger, Samsula, and Hontoon soils, depressional (soil type 10), Basinger and Smyrna fine sands, depressional (soil type 11), Canova and Terra Ceia mucks (soil type 12), Felda and Manatee mucky fine sands, depressional (soil type 15), Brighton, Samsula, and Sanibel mucks (soil type 17), Manatee, Floridana, and Holopaw soils, frequently flooded (soil type 19), Nittaw mucky fine sand, depressional (soil type 21), Nittaw muck, occasionally flooded (soil type 22), Nittaw, Okeelanta, and Basinger soils, frequently flooded (soil type 23) and Terra Ceia muck, frequently flooded (soil type 33) are located throughout the proposed roadway improvements alignment. These soil types include very poorly and poorly drained soils in wet depressions, swamps and freshwater marshes. Some of these soil types flood during long periods of rain and some undrained areas are ponded. The locations of these soil types are shown on **Figure 2** and appear to be scattered throughout the project area with soil types 15, 19, 21, 22, 23 and 33 concentrated from the S.R. 415 east to just past the St. Johns River and Lake Jessup area.

The Soil Survey map of the project area is provided as **Figure 2**. Descriptions of the specific map units, as obtained from the Soil Survey, are provided in Table 1.

### 2.2.2 USGS Quadrangle Map

The approximate location of the proposed roadway improvements is shown superimposed on the Osteen, Oviedo and Geneva, Florida USGS quadrangle maps presented on **Figure 1**, as referenced in the site location subsection (Section 2.1). Based on review of the Osteen, Oviedo and Geneva USGS quadrangle maps, the approximate ground surface elevation within the project limit appears to range from as low as approximately +5 feet to as high as approximately +79 feet.

The elevation along the western section of the roadway, from S. R. 415 east approximately 5 miles to just before Mockingbird Lane, ranges from approximately +18 feet to +25 feet with lower elevations ranging from +5 feet to +11 feet along the St. Johns River and Lake Jessup portions of the roadway. The elevation along the eastern or southern section of the roadway, from just before Mockingbird Lane to C.R. 426, ranges from approximately +25 feet to +79 feet. The higher elevations are located along the last mile of the roadway. A depression with elevations ranging from +50 feet to as low as +25 feet is located approximately 1.2 miles northwest of the C.R. 426 intersection. These elevations are based on 1929 National Geodetic Vertical Datum (NGVD).

### 2.2.3 Potentiometric Surface

Based on review of the "Potentiometric Surface of the Upper Floridan Aquifer in the Southwest Florida Water Management District and Vicinity, Florida" (dated September, 2008) published by the United States Geological Survey, the upper Floridan has a potentiometric elevation of approximately +19 to +22 feet NGVD within the project area. This potentiometric surface is roughly at the existing ground surface along the western section of the roadway and roughly 5 to 55 feet below the existing ground surface elevation along the eastern and southern section of the roadway, as determined by a review of the USGS quadrangle map.

## 2.3 **Site and Vicinity Characteristics**

Field observations of the project corridor and adjacent properties were performed on September 27, 2011. Photographs taken during our field visit are included in Appendix I. A 2010 aerial photograph depicting the proposed alignment is included as **Figure 2**.

During our drive through of adjacent properties, development surrounding the proposed alignment widening was observed for potential contamination sources that could affect the area. The corridor is approximately 7.39 miles in length and extends from State Road 415, east and southeast to County Road 426. Development along the project corridor consisted primarily of residential properties. A table summarizing the property uses observed along the proposed extension alignment is provided as Table 2. The Map I.D.'s included in Table 2 corresponds to the numbers on **Figures 3 through 11**.

## 2.4 Current Land Uses

At the time of our field observation, lands adjacent to the project corridor consisted of retail gasoline stations, rural residences, mobile homes, agricultural lands, citrus groves, model airplane flying field, Seminole County Fire Station 42, Focal Point landscape supply, two churches and a convenience store, as listed in Table 2.

## 2.5 Past Land Uses

Historical aerial photographs dating back to 1943 (the earliest readily available aerial photograph), were obtained from Historical Aerials of Florida. Details of the aerial photograph review are included in Section 4.2.

Generally, the properties adjacent to the project alignment appear to have been in use as undeveloped, partially wooded and wooded land or pastureland prior to their current residential use.

No cross-reference directories or Sanborn maps were available for review for the project alignment.

## 3.0 SITE RECONNAISSANCE

The field observations of the corridor and adjacent properties were performed on September 27, 2011. Observations of the project corridor and adjacent properties were conducted by Ardaman & Associates' environmental specialist Jaren Skinner to assess whether on-site conditions indicated the potential for hazardous or toxic waste contamination.

The majority of the adjacent properties to the proposed roadway widening alignment included undeveloped, densely vegetated land and rural residences. No obvious contamination, drums, tanks, hazardous waste containers, unauthorized dumping, etc. were noted, and no stressed vegetation or stained soils were observed near the proposed project alignment.

The western portion of the proposed project alignment is developed with a RaceTrac gas station (Map ID 1) to the southwest of the project alignment; on the north side of the alignment with The Pantry gas station (Map ID 2), a U-Pick farm on the south side of the alignment, followed by several rural residences along the south side of the alignment. Two rural residences operating businesses on their property included Johnson's Bait & Tackle (Map ID 5) and Complete Pump & Well Service (Map ID 7). No environmental concerns were noted on these properties, with the exception of The Pantry, which has reported contamination. The Pantry is discussed in detail in Section 4.1.

According to Seminole County, public sewer is not provided by the County in most of the rural residences and located adjacent to the project alignment. Therefore, septic tanks are utilized by these residences and businesses. However, no industrial / manufacturing, auto repair, dry

cleaning, or other businesses which would use or store a significant amount of chemicals or petroleum products was observed and these septic tanks are not considered a significant environmental concern to the proposed project alignment.

Further to the east of the alignment are the St. John's River and the Cameron Wight boat ramp (Map ID 8). The alignment then turns to the southeast and includes undeveloped land followed by several rural residences (Map ID's 9 through 15). Former Trombley's Auto Body, (Map ID 16), a former automotive scrap yard and auto body shop with several previous Florida Department of Environmental Protection (FDEP) violations, is located adjacent to the north of the project alignment. The facility has a high risk of contamination which could affect the project alignment. The facility is discussed in detail in Section 4.1.

Properties further to the southeast along the project alignment include the Sanford Aero Modelers Airfield for model airplanes (Map ID 17), several more rural residences (Map ID's 18 through 20) and Lake Jessup Groves Map ID 21). The grove care maintenance area which included a mobile home, an office building and covered carport area. Tractors, a boat, mobile tanks and sprayers were observed in the carport area. The carport area was concrete paved and no obvious contamination was observed. No stressed vegetation or stained soils were observed in the area adjacent to the proposed project alignment.

Further to the southeast is a former landscape nursery (map ID 22), followed by several rural residences (Map ID's 23 and 24). The nursery is now closed and overgrown. No obvious contamination was observed at this former nursery property. Further to the southeast along the alignment is a former mining/borrow pit area (Map ID 25), cellular tower (Map ID 26) and rural residential properties (Map ID's 27 through 29). Further to the southeast along the project alignment are several additional rural residences, Community Church of God (Map ID 29A) and Seminole County Fire Station No. 42 (Map ID 31). No obvious contamination, drums, tanks, hazardous waste containers, etc. were noted, and no stressed vegetation or stained soils were observed in this area of the proposed project alignment.

The southeastern end of the proposed project alignment was observed last. The southeastern end of the alignment consisted of Geneva Church of the Nazarene, Focal Point Landscape Supply, Geneva General Store (former gas station), Marathon gas station, Kangaroo/Marathon gas station and Chuck's Automotive Repair. The tanks (existing and former) associated with these facilities are discussed further below in Section 4.1.2 and several discharges have been reported at these facilities. No obvious contamination, drums, tanks, hazardous waste containers, etc. were noted, and no stressed vegetation or stained soils were observed at the southeastern end of the proposed project alignment.

#### **4.0 RECORDS REVIEW**

In addition to our review of Federal and State Record databases, FirstSearch Technology Corporation (FirstSearch) prepared a report summarizing the location of EPA Region IV, CERCLA, National Priorities List (NPL) (hazardous waste sites), RCRA (hazardous waste generator) sites, Registered Storage Tanks, Leaking Storage Tanks, Dry Cleaners, and Emergency Response Sites. FIRSTSEARCH's report, compiled from the U.S. Environmental Protection Agency (EPA) and Florida Department of Environmental Protection (FDEP) databases, was reviewed to research whether the subject site or surrounding properties are included on these lists, as well as other lists which are described below. A summary of the FIRSTSEARCH report is provided as Appendix II.

#### 4.1 **Federal and State Record Sources**

##### 4.1.1 Federal Records Sources

We have reviewed the EPA Region IV August, 2010 CERCLA and NPL (hazardous waste sites) and the September, 2010 RCRA (hazardous waste generator) lists to determine whether properties located within or adjacent to the project corridor are included on these lists. There are no NPL or RCRA CORRACTS TSD (Corrective Action TSD) sites located within one mile of the project corridor. Additionally, there are no CERCLA sites within approximately ½ mile of the project corridor.

A list of RCRA-listed persons or entities that generate hazardous wastes as defined and regulated by RCRA was reviewed. One RCRA-listed hazardous waste generator is located within approximately ⅓ mile of the project corridor. The facility is discussed below:

##### Site I.D. 16 – Former Trombley’s Auto Body and Used Cars

Complaints were submitted to FDEP in September, 1997 and April, 2000 alleging that the owner of this property located at 2740 State Road 46 was operating a salvage yard and car repair business on-site and the car repair facility was spilling automotive fluids, burning tires and other hazardous items and burying vehicle parts and paint containers on-site, approximately 75 feet north of SR 46 and the proposed alignment.

A May, 1998 inspection by Seminole County Small Quantity Generator program manager and FDEP concluded that the facility had several violations including improper storage of approximately nine 55-gallon drums of what appeared to be used oil on-site, improper storage and burning of used oil filters, mineral spirits used in a homemade parts washer, lead-acid batteries improperly stored throughout the site, spent anti-freeze stored in open containers and improper storage of paint waste in open containers. One of the used oil drums was lying on its side spilling oil onto the ground. Two burn areas were observed on the property. The ash included quart cans, gallon cans, aerosol cans and oil filters. It was also confirmed that garbage and trash was being dumped in a large excavation on the south side of the property (near the proposed SR 46 alignment). Evidence of recent excavation and landfilling was also observed in this area during the April, 2000 inspection. Based on proximity of the Trombley’s Auto Body and Used Cars facility to the alignment, the Trombley’s Auto Body and Used Cars facility may have adversely impacted the proposed project alignment.

##### 4.1.2 State Record Sources

Based on FirstSearch’s review of the DEP’s Dry Cleaning Solvent Cleanup Program Sites list, no contaminated facilities are located within ½ mile of the project corridor.

FirstSearch reviewed DEP’s Stationary Tank and Contamination Monitoring (STCM) database to whether petroleum storage tanks are registered for the properties located within and adjacent to the proposed project alignment. Based on FirstSearch’s review of the database, the following eight facilities located within ¼-mile of the proposed project alignment are registered as having petroleum storage tanks.

Map I.D.	Facility ID	Facility Name	Facility Address	Distance and Direction From Alignment (feet)	Reported Discharge (Y/N)?
1	9803380	RaceTrac #686	4115 SR 46 E	Adjacent	N
38	9300175	Geneva Food Store/MJM Food Store 4	140 SR 46 W	Adjacent	Y
36	9046798	Geneva General Store	155 HWY 46 W	Adjacent	Y
39	8631252	Kangaroo Express 2655/ Handy Way 2655	135 E HWY 46	Adjacent	Y
39	8631302	Handy Way Food Store 1655 Old	SR 46 and SR 426	Adjacent	N
40	8734453	Southern Bell 33319	173 1 <sup>st</sup> St.	600' / NE	N
2	8944475	The Pantry 2049	4140 E SR 46 & SR 415	Adjacent	Y
1A	8734890	Joyce Well Drilling Inc (former)	4125 E HWY 46	Adjacent	N

Listings of the registered above-ground and underground storage tanks at the above-listed facilities are included in Appendix II. All of these facilities have reported discharges and are discussed below.

The DEP's STCM was also reviewed for reported instances of petroleum contamination within and near the proposed project alignment. Based on our review of the FirstSearch report, four facilities located adjacent to or nearby the proposed project alignment have reported petroleum contamination.

Map I.D.	Facility ID	Facility Name	Facility Address / Distance and Direction From Alignment (feet)	Discharge Date(s) <sup>1</sup>	Score <sup>2</sup>
39	8631252	Kangaroo Express 2655/ Handy Way 2655	135 E HWY 46 / Adjacent	7/20/2005 11/10/1998 12/9/1988	NFA - NFA COMPLETE
38	9300175	Geneva Food Store/ MJM Food Store 4	140 SR 46 W / Adjacent	10-10-2003	50
36	9046798	Geneva General Store	155 HWY 46 W / Adjacent	9/15/1998	NFA - NFA COMPLETE
2	8944475	The Pantry 2049	4140 E SR 46 & SR 415 / Adjacent	07/23/1997	28 - SA ONGOING

<sup>1</sup> Only facilities with reported discharges (based on review of the SCTM database) have discharge dates.

<sup>2</sup> Only facilities with reported contamination have a priority score. As indicated, a Priority Score does not mean that the site is eligible for State Cleanup Funding.

RA - Remedial Action, SA – Site Assessment, NFA - No Further Action

Files for these five facilities were reviewed on OCULUS. Select documents are included in Appendix II. Our findings are summarized below:

Site I.D. 39 – Kangaroo Express 2655 / Handy Way 2655 (Facility ID 8631252)

The Kangaroo Express 2655 / Handy Way 2655 facility has reported three discharges. All three discharges have been granted cleanup completion statuses. Based on a June 24, 2008 Supplemental Site Assessment Report conducted by others relative to the July 20, 2005 reported discharge, groundwater analytical results indicated that no petroleum compounds are present in any sampled monitoring well at concentrations exceeding the Groundwater Cleanup Target Levels. An easterly groundwater flow was reported. Groundwater was reported at a depth of approximately 20 feet below land surface. Since this was the second consecutive sampling event showing contaminant levels below GWCTLs, a NFA status was recommended for the facility. The July 20, 2005 reported discharge was granted cleanup completion status on September 12, 2008. Based on the available assessment data and current regulatory status, this facility is not considered a significant environmental concern to the proposed project alignment.

Site I.D. 38 – Geneva Food Store/MJM Food Store (Facility ID 9300175)

The Geneva Food Store/MJM Food Store (currently Marathon Gas) facility is located adjacent to the north of the proposed alignment. Based on a December 4, 2003 Fill Pipe Closure Assessment and Source Removal Report conducted by FER, Inc., contamination was reported due to cracks in two fill port buckets at the facility. A total of 30.49 tons of petroleum contaminated soil was excavated and disposed of. Groundwater was reported to be greater than 20 feet below land surface and the maximum depth of source removal excavation was 4 feet bls. Therefore, groundwater samples were not obtained. The Source Removal Report recommended No Further Action.

An additional discharge reporting form was submitted on January 4, 2011 when a split was observed in another spill bucket during an annual inspection. Based on a March 22, 2011 FDEP Inspection Report, the spill bucket was replaced on March 14, 2011. Soil screening results indicated OVA readings above 10 parts per million. No additional assessment information was available on OCULUS. Based on depth to groundwater and reported easterly to northeasterly groundwater flow in the area of this facility, contamination emanating from the Geneva Food Store/MJM Food Store, if any, is not likely to be currently impacting the proposed roadway alignment.

Site I.D. 36 – Geneva General Store (Facility ID 9046798)

Based on a January 28, 2004 Limited Tank Closure Assessment conducted by others, three USTs were closed in-place and one UST removed during tank closure activities. Soil samples were collected from the perimeter of the tank pits. Five groundwater samples were also collected. Soil gas screening and soil and groundwater laboratory analysis did not indicate the presence of petroleum contaminated soils or groundwater above Cleanup Target Levels. A No Further Action status was granted for the facility in a letter from the FDEP dated February 26, 2004. Based on the available assessment data and current regulatory status, contamination emanating from the Geneva General Store, if any, is not likely to have impacted the proposed roadway alignment.

Site I.D. 2 – The Pantry 2049 (Facility ID 8944475)

A July, 1997 discharge was reported at The Pantry (Kangaroo Express) facility; however, no assessment data was available due to the low cleanup ranking score. The November 17, 2010 annual tank compliance inspection report found the facility to be in compliance. However, based on proximity of the facility to the alignment, the lack of assessment data from the 1997 discharge, there is a potential that contamination from this facility may have adversely impacted the proposed roadway alignment.

Based on FirstSearch's review of the Brownfield sites database, no Brownfield sites are located within ½ mile of the proposed project alignment.

The Water Assurance and Compliance System (WACS) Solid Waste Facility Directory was reviewed to ascertain the location of landfills, incinerators, industrial waste disposal facilities, transfer stations and other solid waste facilities. Based on our review, no such facilities are located within ½ mile of the proposed project alignment.

**4.2 Aerial Photograph Review**

Aerial photographs available from University of Florida Aerial Photography: Florida, Florida Department of Transportation, and Google Earth, were reviewed to study the land use within, and in the vicinity of, the subject site to explore whether activities or businesses could have affected soil or groundwater quality. The following readily available aerial photographs were reviewed for the existence of potential sources or features indicative of contamination:

<b>Aerial Year</b>	<b>Scale</b>	<b>Quality</b>
1943	on-line	Poor
1957	on-line	Fair
1969	on-line	Good
1974	on-line	Good
1983/1984	on-line	Good
1995	on-line	Fair
2002	on-line	Good
2005	on-line	Good
2010	on-line	Good

In the 1943 aerial photograph, State Road 46 is visible. The western portion of the alignment, west of Lake Jessup, is generally undeveloped land on the northern side of SR 46 and developed agriculturally on the southern side. State Road 46 then runs east across the Lake Monroe/Lake Jessup Conservation Areas and then southeast. The roadway, as visible in the 1943 aerial, follows Osceola Road. The land on which the current SR 46 roadway lies is undeveloped land with no apparent uses. No evidence of chemical or petroleum storage tanks appear within ¼ mile of the project alignment. Some rural residences and small areas of agriculture (generally citrus groves) are visible to the north of the current SR 46 roadway area.

In the 1957 aerial photograph, the SR 46 bridge across the Conservation Areas has been realigned to the current location, slightly south of the original location. Development along the SR 46 alignment and surrounding areas appears relatively unchanged from the 1943 aerial photograph, although additional residences and agricultural fields are visible towards the eastern portion of the alignment. Borrow pits, likely used for fill for construction of SR 46, are visible along SR 46, generally approximately 300 feet off the road. A small structure is visible at the northwestern corner of SR 46 and 1<sup>st</sup> Street.

In the 1969 aerial photograph, alignment appears essentially unchanged along the western portion, west of the Conservation Areas. A boat launch and a small marina or docking area are visible at the former bridge, north of the alignment. To the east of the bridge and south of the SR 46 alignment, Swamp Lane and Clekk Circle are visible, but few residences are visible. Numerous unpaved roads are also visible, leading to rural residences or land developed with citrus groves. The remainder of the alignment appears generally unchanged from the 1957 aerials. The structure at the corner of SR 46 and 1<sup>st</sup> Street appears to be a gas station (current Geneva Food Store / MJM Food Store).

In the 1974 aerial photograph, the alignment and surrounding areas appear essentially unchanged from the 1969 aerial photograph, although some additional development is visible from Hart Road to the eastern end of the project alignment. Three small marinas are visible in the Lake Monroe/Lake Jessup Conservation Areas, where the original bridge was previously located.

In the 1983 aerial photograph, the western portion of the alignment appears essentially unchanged from SR 415 across the bridge. Additional residences are visible along Swamp Avenue and Clekk Circle, and along other unpaved streets along the alignment. The current Geneva Food Store / MJM Food Store gas station at SR 46 and 1<sup>st</sup> Street, at the east end of the alignment, is still visible.

In the 1989 aerial photograph, the alignment appears essentially unchanged from the 1983 aerials. Two additional gas stations (current Geneva General Store and Kangaroo-Marathon gas station) are now visible on the southern side of SR 46 and west of County Road 426/1<sup>st</sup> Street, at the eastern end of the alignment project.

In the 1995 aerial photograph, the current "The Pantry" gas station is present on the northeast corner of SR 46 and SR 415. The land on the southern side of SR 46 from the beginning of the alignment until Richmond Avenue remains in use as agricultural land, followed by wooded, undeveloped land to the SR 46 bridge, with a few single family residences just east of Richmond Avenue. Land on the northern side of SR 46 also remains wooded and undeveloped to the bridge. Land on either side of SR 46 on the eastern side of the bridge also remains essentially unchanged from the 1989 aerial, with intermixed undeveloped wooded land and single family residences and residential streets. A borrow pit (Site ID 25) is visible on the western side of SR 46 and north of Cochran Road. Access to the mine is from SR 46. A fire station is visible on the eastern side of SR 46, just north of the intersection with Hart Road. The remainder of the alignment, including the three gas stations at the eastern end, appear essentially unchanged from the 1989 aerial.

In the 2002 aerial photograph, a boat storage, repair, or sales facility is located on the southern side of SR 46. The land use along SR 46 remains generally unchanged from the start of the alignment to the bridge and to the east to the end of the alignment at 1<sup>st</sup> Street.

In the 2006 aerial photograph, a residential development to the north of SR 46, off of SR 415, has been cleared for construction. East Lake Mary Boulevard is under construction and intersects with SR 46 at SR 415. The boat facility is still visible; however, it is much smaller. To the east, land on either side of SR 46 remains generally unchanged and is either developed with single family residences, small agricultural fields, or undeveloped land.

In the 2010 aerial photograph, the marinas on the north side of the SR 46 bridge which had been constructed on the footprint of the old bridge, have been demolished and the waterway has been reconfigured. The properties along the proposed project alignment appear essentially unchanged from the 2010 aerial photograph as during our September 27, 2011 site reconnaissance.

The review of the aerial photographs did not reveal obvious toxic or hazardous contamination or potential sources of contamination which were not identified from other sources.

## 5.0 DETERMINATION OF POTENTIAL

In accordance with Chapter 22 of the Florida Department of Transportation's Project Development and Environmental Manual, each property within and adjacent to the project corridor must have a conscious determination of the contamination potential.

All properties should be assigned a rating of:

- (1) **No**
- (2) **Low**
- (3) **Medium**, or;
- (4) **High**

These ratings are explained as follows:

- (1) **No.** After review of all available information, there is nothing to indicate contamination would be a problem. It is possible that contaminants could have been handled on the property; however, all information (DEP reports, monitoring wells, water and soil samples, etc.) indicates problems should not be expected. Examples of operations that may receive this rating are:
  - 1) A gas station that has been closed and has a closure assessment or contamination assessment documenting that there is no contamination remaining.
  - 2) A wholesale or resale outlet that handles hazardous materials in sealed containers which are never opened while at this facility, such as spray cans of paint at a "drug store".
- (2) **Low.** The former or current operation has a hazardous waste generator identification (ID) number, or deals with hazardous materials; however, based on all available information, there is no reason to believe there would be any involvement with contamination. This is the lowest possible rating a gasoline station operating within current regulations could receive. This could also be applied to a retail hardware store which blends paint.

- (3) **Medium.** After a review of all available information, indications are found (reports, Notice of Violations, consent orders, etc.) that identify known soil and/or water contamination and that the problem does not need remediation, is being remediated (i.e., air stripping of the ground water etc.), or that continued monitoring is required. The complete details of remediation requirements are important to determine what the Department must do if the property were to be acquired. A recommendation should be made on each property falling into this category relative to its acceptability for use within the proposed project, what actions might be required if the property is acquired, and the possible alternatives if there is a need to avoid the property.
- (4) **High.** After a review of all available information, there is a potential for contamination problems. Further assessment will be required after alignment selection to determine the actual presence and/or levels of contamination and the need for remedial action. A recommendation must be included for what further assessment is required. Conducting the actual Contamination Assessment is not expected to begin until alignment is defined; however, circumstances may require additional screening assessments (i.e., collecting soil or water samples for laboratory analysis that may be necessary to determine the presence and/or levels of contaminants) to begin earlier. Properties that were previously used as gasoline stations and have not been evaluated or assessed would probably receive this rating.

Based on our observations of the properties within and adjacent to the project corridor and review of regulatory records available at the time of our review, we have assigned ratings to properties within and adjacent to the project corridor based on the criteria set forth in Chapter 22 of FDOT’s Project Development and Environmental Manual.

Map I.D.	Business Name	Address	Risk of Contamination
1	RaceTrac Gas Station	4115 SR 46 E	Low
1A	Joyce Well Drilling (former location)	4125 E HWY 46	Low
2	The Pantry, Inc. (Gas Station)	4140 E SR 46 & SR 415	High
3	Agricultural Cropland (U-Pick Farm)	N/A	No
4	Undeveloped Land, Grassed Land, Pastureland	N/A	No
5	Single Family Residence / Johnson’s Bait & Tackle	2507 Richmond Ave	No
6	Single Family Residence	4535 SR 46 E	No
7	Residence / Complete Pump & Well Service	4565 SR 46 E	Low
8	Cameron Wight Boat Launch	5502 Old Geneva Rd	No
9	Single Family Residences	Various	No
10	Single Family Residences	Various	No
11	Single Family Residence	2993 W Osceola Rd	No
12	Single Family Residence	2975 W Osceola Rd	No

<b>Map I.D.</b>	<b>Business Name</b>	<b>Address</b>	<b>Risk of Contamination</b>
13	Single Family Residence	2850 SR 46 W	No
14	Single Family Residence	3001 SR 46 W	No
15	Single Family Residences	Various	No
16	Former Trombley's Auto Body	2740 SR 46 W	High
17	Sanford Aero Modelers Airfield	2745 SR 46 W	No
18	Single Family Residence	2632 Shad Ln.	No
19	Single Family Residence	2201 SR 46 W	No
20	Single Family Residences	Various	No
21	Lake Jessup Groves – Grove Maintenance Area	2017 SR 46 W	Medium
22	Former Landscape Supply/Nursery	Not Listed	Low
23	Single Family Residences	Various	No
24	Single Family Residences	Various	No
25	Former Mining/Borrow Pit Property	Not Listed	Low
26	Cellular Tower	1438 SR 46	No
27	Single Family Residence	780 Cochran Rd	No
28	Single Family Residences	Various	No
29	Single Family Residences	Various	No
29A	Community Church of God	695 Cochran Rd	No
30	Single Family Residences	Various	No
31	Seminole County Fire Station No. 42	320 SR 46 W	No
32	Single Family Residences	Various	No
33	Single Family Residences	Various	No
34	Church	215 SR 46 W	No
35	Focal Point Landscape Supplies – Nursery Area	145 SR 46 W	Low
36	Geneva General Store	155 SR 46 W	No
37	Focal Point Landscape Supplies – Office Building	145 SR 46 W	No
38	Geneva Food Store / MJM Food Store	140 SR 46 W	Medium
39	Kangaroo Express / Handy Way 2655	135 SR 46	Low
40	Southern Bell	173 1 <sup>st</sup> St.	No
41	Chuck's Automotive Repair	145 E. SR 46	Low

The reasons that the properties were assigned the above ratings are summarized below.

#### Properties Rated as "High" Risk

- Map I.D. 2, The Pantry, has been assigned a contamination risk potential rating of "High". No assessment information was available regarding the reported petroleum discharge.
- Map I.D. 16, Former Trombley's Auto Body, has been assigned a contamination risk potential rating of "High". Evidence of excavation and landfilling of possible hazardous materials was observed on this facility's property, approximately 75 feet north of State Road 46, during the April, 2000 FDEP inspection. No soil or groundwater assessment information was available for the facility. Based on proximity of the Trombley's Auto Body and Used Cars facility to the alignment, the Trombley's Auto Body and Used Cars facility may have adversely impacted the proposed project alignment.

Preliminary Contamination Assessments consisting of soil and groundwater sampling in the right-of-way are recommended relative to the sites identified with a "High" contamination risk potential rating.

For each "High" contamination risk potential rating site, four to eight direct push borings would be conducted and soil samples would be obtained for OVA screening and visual and olfactory observation. One to two soil samples would be obtained for the laboratory analysis. Groundwater samples would be obtained using a Geoprobe groundwater sampler, or alternatively, by installing a temporary monitoring well using direct push methods. For each site, one sample would be obtained at a shallow depth screening interval. One sample would be obtained at a deeper screening interval for the Former Trombley's Auto Body site due to the previous use of solvents. Groundwater samples for contaminants of concern and metals including low level mercury, hexavalent chromium, cadmium, lead, copper and zinc may also be collected as these analytes are required for the short-term generic NPDES permits.

Dewatering may be needed for the project construction near the two sites rated as "High". Dewatering may cause migration of groundwater contaminants from these facilities towards the proposed project alignment. If contaminants are detected in the groundwater and dewatering is conducted, the withdrawn water must be treated before being discharged off-site, directed to a sanitary sewer with treatment possibly being required by the local utility, or re-infiltrated on-site after being treated.

#### Properties Rated as "Medium" Risk

- Map I.D. number 21, Lake Jessup Groves – Grove Maintenance Area is an operating grove care equipment, chemical and fuel storage area, and has been assigned a contamination risk potential rating of "Medium." No evidence of obvious contamination, stressed vegetation or stained soils was observed during the site reconnaissance; however, the potential for contamination from chemical mixing, chemical storage and aboveground storage tank storage in this area exists.
- Map I.D. number 38, Geneva Food Store/MJM Food Store is an operating gas station, and has been assigned a contamination risk potential rating of "Medium". Groundwater has been reported to flow away from the proposed project alignment. However, a discharge has been reported and no assessment data was available. A discharge

reporting form was submitted on January 4, 2011 when a spill was observed in a spill bucket during an annual inspection. Based on a March 22, 2011 FDEP Inspection Report, the spill bucket was replaced on March 14, 2011. Soil screening results indicated OVA readings above 10 parts per million. No additional assessment information was available on OCULUS. The site was assigned a "medium" risk rating due to the lack of current groundwater assessment data.

Dewatering may be needed for the project construction near the site rated as "Medium". Dewatering may cause migration of groundwater contaminants from these facilities towards the proposed project alignment. If contaminants are detected in the groundwater and dewatering is conducted, the withdrawn water must be treated before being discharged off-site, directed to a sanitary sewer with treatment possibly being required by the local utility, or re-infiltrated on-site after being treated.

#### Properties Rated as "Low" Risk

- Map I.D. 1, RaceTrac gas station, an operating gasoline station, has been assigned a contamination risk potential rating of "Low". The RaceTrac gas station was constructed in 2009 and has not reported contamination. The latest available March 30, 2011 FDEP inspection report indicated that the facility is in compliance. The site was assigned a "low" risk rating based on its current use as a gasoline station.
- Map I.D. 7, Residence/Complete Well & Pump Service, has been assigned a contamination risk potential rating of "Low". No evidence of obvious contamination, stressed vegetation or stained soils was observed during the site reconnaissance; however, the potential for contamination from vehicle maintenance or other related business activities exists at this site.
- Map I.D. 22, Former Landscape Supply/Nursery has been assigned a contamination risk potential rating of "Low". No evidence of obvious contamination, stressed vegetation or stained soils was observed during the site reconnaissance; however, the potential for contamination from pesticide storage, mixing and use at this facility.
- Map I.D. 25, a borrow pit area from the early 1990s through the mid-2000s. This area is located adjacent to the proposed project alignment. The potential for contamination from former borrow pit excavation or dumping activities exists.
- Map I.D. 35, Focal Point Landscape Supply/Nursery has been assigned a contamination risk potential rating of "Low". No evidence of obvious contamination, stressed vegetation or stained soils was observed during the site reconnaissance; however, the potential for contamination from pesticide storage, mixing and use at this facility.
- Map I.D. 39, Kangaroo Express/Handy Way 2655, an operating retail gasoline station and convenience store, has been assigned a contamination risk potential rating of "Low". Contamination has been reported at the facility. A northeasterly groundwater flow direction, towards the proposed project alignment, has been reported; however, no contaminants were detected above cleanup target levels in the wells located nearest the alignment. The site was assigned a "low" risk rating based on its use as a gasoline station.

- Map I.D. 41, Chuck's Automotive Repair, has been assigned a contamination risk potential rating of "Low". No contamination has been reported at this facility. A northeasterly groundwater flow direction, away from the proposed project alignment, has been reported in the vicinity of this facility. The site was assigned a "low" risk rating based on the availability of assessment data.

#### Properties Rated as "No" Risk

- The remaining Map I.D.s have been assigned a contamination risk potential rating of "No".

## **6.0 SUMMARY AND CONCLUSIONS**

Based on our observations of the properties adjacent to and in the vicinity of the proposed project alignment and review of regulatory records available at the time of our review, each site of concern adjacent to or in the vicinity of the proposed project corridor was assigned a contamination rating of NO, LOW, MEDIUM or HIGH to express the degree of concern for potential contamination problems which may impact the project cost and/or schedule.

Two sites, Map I.D. 2, The Pantry and Map I.D. 16, Former Trombley's Auto Body, were given the contamination risk potential of "High". In addition, two sites, Map I.D. 21, Lake Jessup Groves-Grove Care maintenance area and Map I.D. number 38, Geneva Food Store/MJM Food Store, were given the contamination risk potential of "Medium". Preliminary Contamination Assessments consisting of soil and groundwater sampling are recommended for these three sites.

Map I.D. 1, RaceTrac gas station, an operating gasoline station, Map I.D. 7, Residence/Complete Well & Pump Service, Map I.D. 22, Former Landscape Supply/Nursery, Map I.D. 25, a former borrow pit area from the early 1990s through the mid-2000s, Map I.D. 35, Focal Point Landscape Supply/Nursery, Map I.D. 39, Kangaroo Express/Handy Way 2655 and Map I.D. 41, Chuck's Automotive Repair, were given the contamination risk potential of "Low". No Preliminary Contamination Assessments are recommended for these five sites in addition to the remaining Map I.D.s, which given the contamination risk potential of "No".

## **7.0 CLOSURE**

We have performed a Contamination Screening Evaluation Report for the proposed extension alignment project would widen State Road 46 from State Road 415 to County Road 426, a distance of approximately 7.39 miles. The proposed alignment project is located within Sections 1, 2, 3, 34, 35, Township 20 South and Range 31 East and within Sections 6, 7, 8, 16, 17, 21, and 22, Township 20 South and Range 32 East, in Seminole County, Florida. This report was prepared in general conformance with Chapter 22 of the Florida Department of Transportation's Project Development and Engineering Manual and in accordance with our agreement for consulting services.

**TABLE 1**  
**Review of Soil Survey Maps**  
**State Road 46 Widening**  
**Seminole County, Florida**

Soil Map Unit	Description	Permeability		Approximate Depth Below Natural Ground Surface to Normal Seasonal High Groundwater Level
		Depth (inches)	(inches/hour)	
3 - Arents, 0 to 5 percent slopes	This soil consists of material dug from several areas that have different kinds of soil. This fill material is the result of earthmoving operations.	0-10 10-32 32-60	6.0-20 6.0-20 6.0-20	At a depth of 24 to 36 inches for 2 to 4 months in most years.
4 - Astatula fine sand, 0 to 5 percent Slopes	Level to gently sloping and excessively drained soil found on hillsides and ridges on the uplands.	0-4 4-80	>20 >20	At a depth of more than 80 inches.
5 - Astatula fine sand, 5 to 8 percent slopes	Sloping and excessively drained soil found on hillsides on the uplands.	0-3 3-80	>20 >20	At a depth of more than 80 inches.
6 - Astatula-Apopka fine sands, 0 to 5 percent slopes	Nearly level to gently sloping and excessively drained and well-drained soil found on hillsides and ridges on the uplands.	Astatula 0-4 4-80 Apopka 0-64 64-80	>20 >20 6.0-20 0.6-2.0	At a depth of more than 80 inches.
8 - Astatula-Apopka fine sands, 8 to 12 percent slopes	Strongly sloping and excessively drained and well-drained soil found on hillsides on the uplands.	Astatula 0-3 3-80 Apopka 0-65 65-80	>20 >20 6.0-20 0.6-2.0	At a depth of more than 80 inches.
9 - Basinger and Delray fine sands	Nearly level and poorly to very poorly drained soil found in sloughs and poorly defined drainageways.	Basinger 0-5 5-30 30-50 50-80 Delray 0-12 12-50 50-80	6.0-20 6.0-20 6.0-20 6.0-20 6.0-20 6.0-20 6.0-20 0.6-6.0	Within 12 inches of the surface for 6 months or more.
10 - Basinger, Samsula, and Hontoon soils, depressional	Nearly level and very poorly drained soil found in swamps and depressions.	Basinger 0-6 6-18 18-35	6.0-20 6.0-20 6.0-20	Undrained areas of the soil are ponded for 6 to 9 months.

Soil Map Unit	Description	Permeability		Approximate Depth Below Natural Ground Surface to Normal Seasonal High Groundwater Level
		Depth (inches)	(inches/hour)	
		35-80 Samsula 0-26 26-80 Hontoon 0-80	6.0-20  6.0-20 6.0-20  6.0-20	
11 - Basinger and Smyrna fine sands, depressional	Nearly level and very poorly drained soil found in depressions.	Basinger 0-5 5-15 15-25 25-80 Smyrna 0-2 2-15 15-25 25-80	6.0-20 6.0-20 6.0-20 6.0-20  6.0-20 6.0-20 0.6-6.0 6.0-20	Undrained areas of the soil are ponded for 6 to 9 months.
12 - Canova and Terra Ceia mucks	Level and very poorly drained soil found in depressions and freshwater marshes.	Canova 0-10 10-27 27-30 30-38 38-80 Terra Ceia 0-80	6.0-20 6.0-20 0.6-6.0 0.6-2.0 0.6-6.0  6.0-20	Undrained areas of the soil are ponded for 6 to 9 months or more.
15 - Felda and Manatee mucky fine sands, depressional	Nearly level and very poorly drained soil found in depressions. Undrained areas are ponded.	Felda 0-4 4-28 28-36 36-80 Manatee 0-19 19-50 50-80	6.0-20 6.0-20 0.6-6.0 6.0-20  2.0-6.0 0.6-2.0 0.6-2.0	Undrained areas of the soil are ponded for 6 to 9 months or more.
16 - Immokalee sand	Nearly level and poorly drained soil found on broad plains on the flatwoods.	0-6 6-36 36-56 56-80	6.0-20 6.0-20 0.6-2.0 6.0-20	Within 12 months and the surface for 1 to 4 months.
17 - Brighton, Samsula, and Sanibel mucks	Nearly level and very poorly drained soil found in depressions and freshwater marshes and swamps. Undrained areas are ponded.	Brighton 0-8 8-80 Samsula 0-26 26-80 Sanibel	6.0-20 6.0-20  6.0-20 6.0-20	Undrained areas of the soil are ponded for 6 to 9 months or more.

Soil Map Unit	Description	Permeability		Approximate Depth Below Natural Ground Surface to Normal Seasonal High Groundwater Level
		Depth (inches)	(inches/hour)	
		0-6 6-8 8-80	6.0-20 6.0-20 6.0-20	
18 - Malabar fine sand	Nearly level and poorly drained soil found in sloughs and along poorly defined drainageways.	0-10 10-35 35-48 48-70 70-80	6.0-20 6.0-20 6.0-20 <0.2 6.0-20	Within 12 inches and the surface for 2 to 6 months.
19 - Manatee, Floridana, and Holopaw soils, frequently flooded	Nearly level and very poorly drained soil found on flood plains and are frequently flooded for long periods following prolonged, high intensity rains.	Manatee 0-10 10-52 52-80 Floridana 0-18 18-29 29-80 Holopaw 0-50 50-80	2.0-6.0 0.6-2.0 0.6-2.0 6.0-20 6.0-20 >0.2 6.0-20 0.6-2.0	Within 12 inches of the surface for 6 to 9 months.
20 - Myakka and EauGallie fine sands	Nearly level and poorly drained soil found on broad plains on the flatwoods.	Myakka 0-5 5-28 28-45 45-80 EauGallie 0-18 18-30 30-41 41-60 60-80	6.0-20 6.0-20 0.6-6.0 6.0-20 6.0-20 0.6-6.0 6.0-20 0.06-2.0 0.6-6.0	Within 12 inches of the surface for 1 to 4 months.
21 - Nittaw mucky fine sand, depressional	Nearly level and very poorly drained soil found in depressions, freshwater marshes and swamps. Undrained areas are ponded.	0-4 4-10 10-50 50-80	6.0-20 6.0-20 0.06-0.2 6.0-20	Undrained areas of the soil are ponded for 6 to 9 months or more.
22 - Nittaw muck, occasionally flooded	Nearly level and very poorly drained soil found on the floodplains and are occasionally flooded for long periods following prolonged, high intensity rains.	0-2 2-10 10-60 60-80	6.0-20 6.0-20 0.06-0.2 6.0-20	Within 12 inches of the surface for 2 to 6 months or more.
23 - Nittaw, Okeelanta, and Basinger soils, frequently flooded	Nearly level and poorly to very poorly drained soil found on floodplains and are frequently flooded following prolonged, high intensity rains.	Nittaw 0-4 4-9 9-80 Okeelanta	6.0-20 6.0-20 6.0-20 0.06-0.2	Within 12 inches of the surface.

Soil Map Unit	Description	Permeability		Approximate Depth Below Natural Ground Surface to Normal Seasonal High Groundwater Level
		Depth (inches)	(inches/hour)	
		0-42 42-80 Basinger 0-22 22-38 38-80	6.0-20 6.0-20  6.0-20 6.0-20 6.0-20	
24 - Paola-St. Lucie sands, 0 to 5 percent Slopes	Nearly level to gently sloping and excessively drained soil found on upland ridges.	Paola 0-3 3-25 25-80 St. Lucie 0-2 2-80	>20 >20 >20  >20 >20	At a depth of 80 inches or more.
25 - Pineda fine sand	Nearly level and poorly drained soil found on low hammocks, in broad, poorly defined drainageways and in sloughs.	0-1 1-26 26-68 68-80	6.0-20 6.0-20 <0.2 2.0-6.0	Within 12 inches of the surface for 2 to 6 months.
27 - Pomello fine sand, 0 to 5 percent slopes	Nearly level to gently sloping and somewhat poorly drained soil found on low ridges and knolls on the flatwoods.	0-31 31-40 40-80	>20 2.0-6.0 6.0-20	At a depth of 36 to 60 inches for 1 to 4 months.
29 - St. Johns and EauGallie fine sands	Nearly level and poorly drained soil found on low broad plains on the flatwoods.	St. Johns 0-12 12-22 22-54 54-80 EauGallie 0-16 16-35 35-38 38-72 72-80	6.0-20 6.0-20 0.2-2.0 6.0-20  6.0-20 0.6-6.0 6.0-20 0.06-2.0 0.6-6.0	Within 12 inches of the surface for 1 to 4 months.
33 - Terra Ceia muck, frequently flooded	Nearly level and very poorly drained soil found on the floodplains and is frequently flooded for long periods following prolonged, high intensity rains.	0-80	6.0-20	At or above the surface for most of the year.

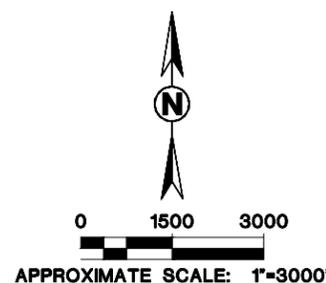
**TABLE 2**  
**Adjacent Property Uses**  
**Wabash Avenue Extension**  
**Lakeland, Seminole County, Florida**

<b>Map I.D.</b>	<b>Business Name</b>	<b>Address</b>
1	RaceTrac Gas Station	4115 SR 46 E
1A	Joyce Well Drilling (former location)	4125 E HWY 46
2	The Pantry, Inc. (Gas Station)	4140 E SR 46 & SR 415
3	Agricultural Cropland (U-Pick Farm)	N/A
4	Undeveloped Land, Grassed Land, Pastureland	N/A
5	Single Family Residence / Johnson's Bait & Tackle	2507 Richmond Ave
6	Single Family Residence	4535 SR 46 E
7	Residence / Complete Pump & Well Service	4565 SR 46 E
8	Cameron Wight Boat Launch	5502 Old Geneva Rd
9	Single Family Residences	Various
10	Single Family Residences	Various
11	Single Family Residence	2993 W Osceola Rd
12	Single Family Residence	2975 W Osceola Rd
13	Single Family Residence	2850 SR 46 W
14	Single Family Residence	3001 SR 46 W
15	Single Family Residences	Various
16	Former Trombley's Auto Body	2740 SR 46 W
17	Sanford Aero Modelers Airfield	2745 SR 46 W
18	Single Family Residence	2632 Shad Ln.
19	Single Family Residence	2201 SR 46 W
20	Single Family Residences	Various
21	Lake Jessup Groves – Grove Maintenance Area	2017 SR 46 W
22	Former Landscape Supply/Nursery	Not Listed
23	Single Family Residences	Various

<b>Map I.D.</b>	<b>Business Name</b>	<b>Address</b>
24	Single Family Residences	Various
25	Former Mining/Borrow Pit Property	Not Listed
26	Cellular Tower	1438 SR 46
27	Single Family Residences	Various
28	Single Family Residences	Various
29	Single Family Residences	Various
29A	Community Church of God	695 Cochran Rd
30	Single Family Residences	415 SR 46 W
31	Seminole County Fire Station No. 42	320 SR 46 W
32	Single Family Residences	Various
33	Single Family Residences	Various
34	Church	215 SR 46 W
35	Focal Point Landscape Supplies – Nursery Area	145 SR 46 W
36	Geneva General Store	155 SR 46 W
37	Focal Point Landscape Supplies – Office Building	145 SR 46 W
38	Geneva Food Store / MJM Food Store	140 SR 46 W
39	Kangaroo Express / Handy Way 2655	135 SR 46
40	Southern Bell	173 1 <sup>st</sup> St.
41	Chuck's Automotive Repair	145 E. SR 46



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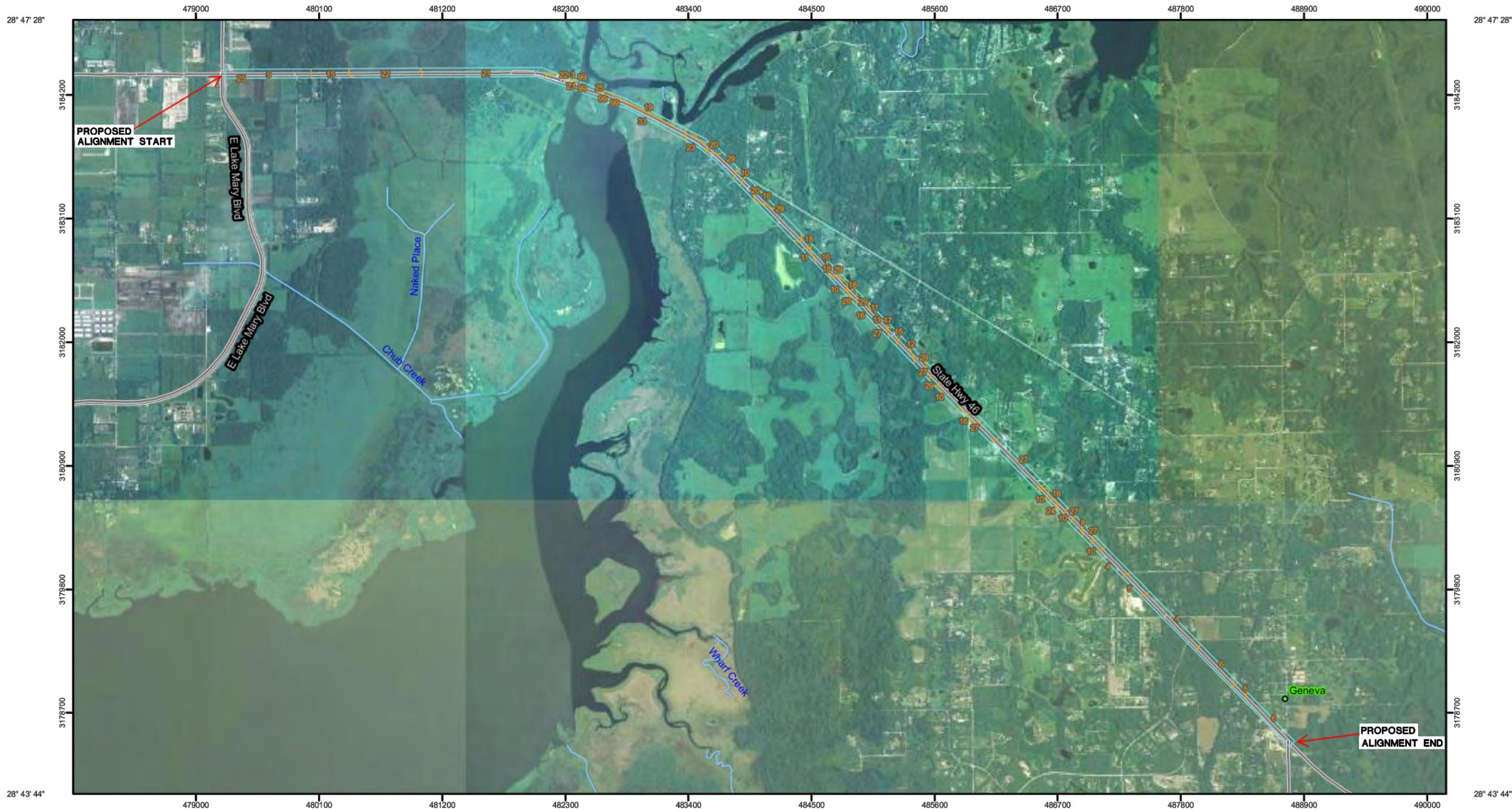
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OSTEEN, FLORIDA 1980 AND OVIEDO, FLORIDA 1984

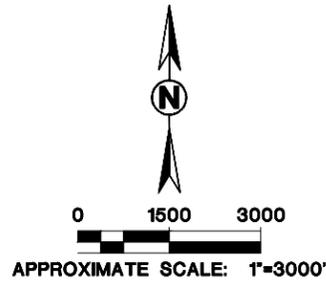


QUADRANGLE LOCATION

SITE LOCATION MAP		
 <b>Ardaman &amp; Associates, Inc.</b> Geotechnical, Environmental and Materials Consultants		
CONTAMINATION SCREENING EVALUATION REPORT PROPOSED STATE ROAD 46 WIDENING FROM STATE ROAD 415 TO COUNTY ROAD 426 SEMINOLE COUNTY, FLORIDA		
DRAWN BY: <b>CD</b>	CHECKED BY:	DATE: <b>10/05/11</b>
FILE NO. <b>11-6669</b>	APPROVED BY:	FIGURE: <b>1</b>



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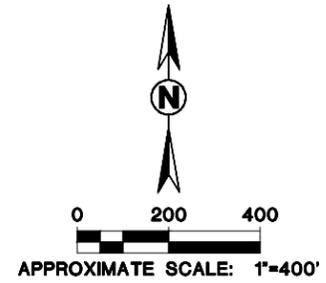
AERIAL OBTAINED FROM USDA WEB SOIL SURVEY  
DATE: 08/31/11

**KEY**  
# = SOIL TYPE NUMBER  
AS DEFINED IN TABLE 1

<b>SOIL SURVEY MAP</b>		
 <b>Ardaman &amp; Associates, Inc.</b> Geotechnical, Environmental and Materials Consultants		
CONTAMINATION SCREENING EVALUATION REPORT PROPOSED STATE ROAD 46 WIDENING FROM STATE ROAD 415 TO COUNTY ROAD 426 SEMINOLE COUNTY, FLORIDA		
DRAWN BY: <b>CD</b>	CHECKED BY:	DATE: <b>10/05/11</b>
FILE NO. <b>11-6669</b>	APPROVED BY:	FIGURE: <b>2</b>



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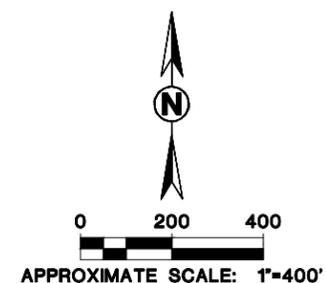


NOTE: THE AERIAL PHOTOGRAPH OBTAINED FROM URS.

<b>SECTION 1</b>		
<b>AERIAL PHOTOGRAPH</b>		
 <b>Ardaman &amp; Associates, Inc.</b> Geotechnical, Environmental and Materials Consultants		
CONTAMINATION SCREENING EVALUATION REPORT PROPOSED STATE ROAD 46 WIDENING FROM STATE ROAD 415 TO COUNTY ROAD 426 SEMINOLE COUNTY, FLORIDA		
DRAWN BY: <b>CD</b>	CHECKED BY:	DATE: <b>10/05/11</b>
FILE NO. <b>11-6669</b>	APPROVED BY:	FIGURE: <b>3</b>



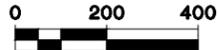
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NOTE: THE AERIAL PHOTOGRAPH OBTAINED FROM URS.

<b>SECTION 2 AERIAL PHOTOGRAPH</b>		
 <b>Ardaman &amp; Associates, Inc.</b> Geotechnical, Environmental and Materials Consultants		
CONTAMINATION SCREENING EVALUATION REPORT PROPOSED STATE ROAD 46 WIDENING FROM STATE ROAD 415 TO COUNTY ROAD 426 SEMINOLE COUNTY, FLORIDA		
DRAWN BY: <b>CD</b>	CHECKED BY:	DATE: <b>10/06/11</b>
FILE NO. <b>11-6669</b>	APPROVED BY:	FIGURE: <b>4</b>

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APPROXIMATE SCALE: 1"=400'

NOTE: THE AERIAL PHOTOGRAPH OBTAINED FROM URS.

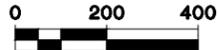
**SECTION 3  
AERIAL PHOTOGRAPH**

**Ardaman & Associates, Inc.**  
Geotechnical, Environmental and  
Materials Consultants

CONTAMINATION SCREENING EVALUATION REPORT  
PROPOSED STATE ROAD 46 WIDENING  
FROM STATE ROAD 415 TO COUNTY ROAD 426  
SEMINOLE COUNTY, FLORIDA

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FILE NO. <b>11-6669</b>	APPROVED BY:	FIGURE: <b>5</b>

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APPROXIMATE SCALE: 1"=400'

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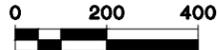
### SECTION 4 AERIAL PHOTOGRAPH

**Ardaman & Associates, Inc.**  
Geotechnical, Environmental and  
Materials Consultants

CONTAMINATION SCREENING EVALUATION REPORT  
PROPOSED STATE ROAD 46 WIDENING  
FROM STATE ROAD 415 TO COUNTY ROAD 426  
SEMINOLE COUNTY, FLORIDA

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FILE NO. <b>11-6669</b>	APPROVED BY:	FIGURE: <b>6</b>

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APPROXIMATE SCALE: 1"=400'

NOTE: THE AERIAL PHOTOGRAPH OBTAINED FROM URS.

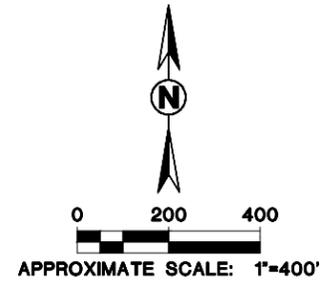
### SECTION 5 AERIAL PHOTOGRAPH

**Ardaman & Associates, Inc.**  
Geotechnical, Environmental and  
Materials Consultants

CONTAMINATION SCREENING EVALUATION REPORT  
PROPOSED STATE ROAD 46 WIDENING  
FROM STATE ROAD 415 TO COUNTY ROAD 426  
SEMINOLE COUNTY, FLORIDA

DRAWN BY: <b>CD</b>	CHECKED BY:	DATE: <b>10/05/11</b>
FILE NO. <b>11-6669</b>	APPROVED BY:	FIGURE: <b>7</b>

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NOTE: THE AERIAL PHOTOGRAPH OBTAINED FROM URS.

**SECTION 6  
AERIAL PHOTOGRAPH**

**Ardaman & Associates, Inc.**  
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Materials Consultants

CONTAMINATION SCREENING EVALUATION REPORT  
PROPOSED STATE ROAD 46 WIDENING  
FROM STATE ROAD 415 TO COUNTY ROAD 426  
SEMINOLE COUNTY, FLORIDA

DRAWN BY: <b>CD</b>	CHECKED BY:	DATE: <b>10/05/11</b>
FILE NO. <b>11-6669</b>	APPROVED BY:	FIGURE: <b>8</b>

T:\Orlando\11\11-6669\11666903.dwg 11/11/2011 12:02:18 PM, Chris.Drew



0 200 400

APPROXIMATE SCALE: 1"=400'

NOTE: THE AERIAL PHOTOGRAPH OBTAINED FROM URS.

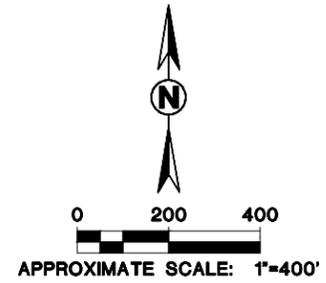
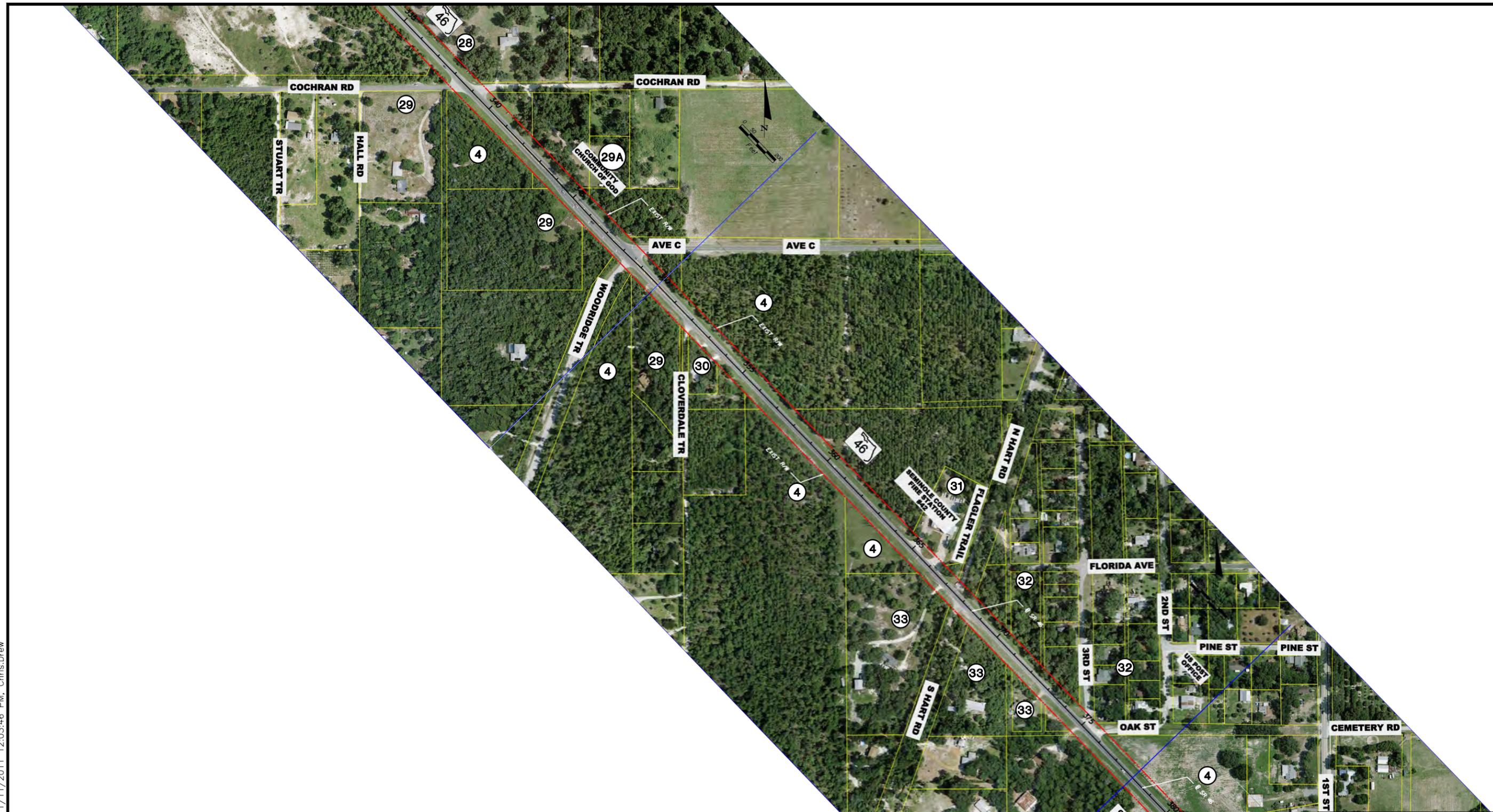
**SECTION 7  
AERIAL PHOTOGRAPH**

**Ardaman & Associates, Inc.**  
Geotechnical, Environmental and  
Materials Consultants

CONTAMINATION SCREENING EVALUATION REPORT  
PROPOSED STATE ROAD 46 WIDENING  
FROM STATE ROAD 415 TO COUNTY ROAD 426  
SEMINOLE COUNTY, FLORIDA

DRAWN BY: <b>CD</b>	CHECKED BY:	DATE: <b>10/05/11</b>
FILE NO. <b>11-6669</b>	APPROVED BY:	FIGURE: <b>9</b>

T:\Orlando\11\11-6669\11666903.dwg 11/11/2011 12:03:46 PM, Chris.Drew



NOTE: THE AERIAL PHOTOGRAPH OBTAINED FROM URS.

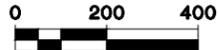
**SECTION 8  
AERIAL PHOTOGRAPH**

**Ardaman & Associates, Inc.**  
Geotechnical, Environmental and  
Materials Consultants

CONTAMINATION SCREENING EVALUATION REPORT  
PROPOSED STATE ROAD 46 WIDENING  
FROM STATE ROAD 415 TO COUNTY ROAD 426  
SEMINOLE COUNTY, FLORIDA

DRAWN BY: <b>CD</b>	CHECKED BY:	DATE: <b>10/05/11</b>
FILE NO. <b>11-6669</b>	APPROVED BY:	FIGURE: <b>10</b>

T:\Orlando\11-6669\11666903.dwg 11/11/2011 12:03:55 PM, Chris.Drew



APPROXIMATE SCALE: 1"=400'

NOTE: THE AERIAL PHOTOGRAPH OBTAINED FROM URS.

<b>SECTION 9 AERIAL PHOTOGRAPH</b>		
 <b>Ardaman &amp; Associates, Inc.</b> Geotechnical, Environmental and Materials Consultants		
CONTAMINATION SCREENING EVALUATION REPORT PROPOSED STATE ROAD 46 WIDENING FROM STATE ROAD 415 TO COUNTY ROAD 426 SEMINOLE COUNTY, FLORIDA		
DRAWN BY: <b>CD</b>	CHECKED BY:	DATE: <b>10/05/11</b>
FILE NO. <b>11-6669</b>	APPROVED BY:	FIGURE: <b>11</b>

## **Appendix I**

### Photographs



The Pantry, Map ID No. 2.



U-Pick farms, Map ID 3.



Sanford Aero Modelers Flying Field, Map ID 17.



Lake Jessup Groves grove care equipment storage area, Map ID 21.



Former borrow pit/mining area, Map ID 25.



Seminole County Fire Station 42, Map ID 31.



Geneva Food Store / MJM Food Store, Map ID 38.



Chuck's Automotive repair, Map ID 41.



Geneva General Store, Map ID 36.



Geneva General Store former UST location.

## **Appendix II**

Select Supporting Documents from  
Contamination Files

# *FirstSearch Technology Corporation*

## **Environmental FirstSearch™ Report**

Target Property:

**SNOW HILL ROAD**

**CHULUOTA FL**

Job Number: 60-166

### **PREPARED FOR:**

Ardaman & Associates

8008 S Orange Ave

Orlando, FL 32809

08-09-10



*Tel: (407) 265-8900*

*Fax: (407) 265-8904*

# *Environmental FirstSearch Search Summary Report*

**Target Site:** SNOW HILL ROAD  
CHULUOTA FL

## FirstSearch Summary

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
NPL	Y	08-01-10	0.25	0	0	0	-	-	0	0
NPL Delisted	Y	08-02-10	0.25	0	0	0	-	-	0	0
CERCLIS	Y	07-02-10	0.25	0	0	0	-	-	0	0
NFRAP	Y	07-02-10	0.25	0	0	0	-	-	0	0
RCRA COR ACT	Y	07-14-10	0.25	0	0	0	-	-	0	0
RCRA TSD	Y	07-14-10	0.25	0	0	0	-	-	0	0
RCRA GEN	Y	07-14-10	0.25	1	0	0	-	-	0	1
Federal Brownfield	Y	07-06-10	0.25	0	0	0	-	-	31	31
ERNS	Y	07-23-10	0.25	0	0	0	-	-	2549	2549
Tribal Lands	Y	12-01-05	0.25	0	0	0	-	-	1	1
State/Tribal Sites	Y	05-13-10	0.25	0	0	0	-	-	0	0
State Spills 90	Y	07-06-10	0.25	0	3	0	-	-	3	6
State/Tribal SWL	Y	06-10-10	0.25	0	0	0	-	-	0	0
State/Tribal LUST	Y	07-06-10	0.25	0	4	0	-	-	0	4
State/Tribal UST/AST	Y	07-06-10	0.25	0	6	1	-	-	78	85
State/Tribal EC	Y	05-11-10	0.25	0	0	0	-	-	1	1
State/Tribal IC	Y	05-11-10	0.25	0	0	0	-	-	28	28
State/Tribal VCP	Y	NA	0.25	0	0	0	-	-	74	74
State/Tribal Brownfields	Y	05-11-10	0.25	0	0	0	-	-	23	23
State Other	Y	05-07-10	0.25	0	0	0	-	-	13	13
Federal IC/EC	Y	06-02-10	0.50	0	0	0	0	-	0	0
- TOTALS -				1	13	1	0	0	2801	2816

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### Waiver of Liability

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***Environmental FirstSearch  
Site Information Report***

**Request Date:** 08-09-10  
**Requestor Name:** Lisa Tully  
**Standard:** LINEAR

**Search Type:** LINEAR  
 2.98 mile(s)  
**Job Number:** 60-166

**Target Site:** SNOW HILL ROAD  
 CHULUOTA FL

*Demographics*

<b>Sites:</b> 2816	<b>Non-Geocoded:</b> 2801	<b>Population:</b> NA
<b>Radon:</b> NA		

*Site Location*

	<u>Degrees (Decimal)</u>	<u>Degrees (Min/Sec)</u>	<u>UTMs</u>
<b>Longitude:</b>	-81.132381	-81:7:57	<b>Easting:</b> 487074.792
<b>Latitude:</b>	28.748808	28:44:56	<b>Northing:</b> 3179988.505
<b>Elevation:</b>	N/A		<b>Zone:</b> 17

*Comment*

<b>Comment:</b>
-----------------

*Additional Requests/Services*

<b>Adjacent ZIP Codes:</b> 0.5 Mile(s)	<b>Services:</b>
--	------------------

<u>ZIP Code</u>	<u>City Name</u>	<u>ST</u>	<u>Dist/Dir</u>	<u>Sel</u>
32732	GENEVA	FL	0.00 --	Y

	<u>Requested?</u>	<u>Date</u>
Fire Insurance Maps	No	
Aerial Photographs	No	
Historical Topos	No	
City Directories	No	
Title Search/Env Liens	No	
Municipal Reports	No	
Online Topos	No	

## *Environmental FirstSearch Sites Summary Report*

**Target Property:** SNOW HILL ROAD  
CHULUOTA FL

**JOB:** 60-166

**TOTAL:** 2816      **GEOCODED:** 15      **NON GEOCODED:** 2801      **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
1	RCRAGN	TROMBLEYS AUTO BODY and USED C FLR000045443/SGN	2740 SR 46 GENEVA FL 32732	0.00 --	N/A	1
2	SPILLS	GENEVA FOOD STORE 599300175/OPEN	140 SR 46 W GENEVA FL 32732	0.02 NE	N/A	2
2	LUST	MJM FOOD STORE 4 599300175/FACILITY OPEN	140 W SR 46 GENEVA FL 32732	0.02 NE	N/A	3
2	UST	MJM FOOD STORE 4 599300175/OPEN	SR 46 GENEVA FL 32732	0.02 NE	N/A	4
3	LUST	GENEVA GENERAL STORE 599046798/FACILITY CLOSED	155 HWY 46 W GENEVA FL 32732	0.02 SW	N/A	5
3	SPILLS	GENEVA GENERAL STORE 599046798/OPEN	155 HWY 46 W GENEVA FL 32732	0.02 SW	N/A	6
3	UST	GENEVA GENERAL STORE 599046798/CLOSED	HWY 46 W GENEVA FL 32732	0.02 SW	N/A	7
4	LUST	KANGAROO EXPRESS 2655 598631252/FACILITY OPEN	135 E HWY 46 GENEVA FL 32732	0.02 SW	N/A	8
4	UST	HANDY WAY FOOD STORE 1655 OLD 598631302/CLOSED	SR 46 and SR 426 GENEVA FL 32732	0.02 SW	N/A	9
4	UST	KANGAROO EXPRESS 2655 598631252/OPEN	135 E HWY 46 GENEVA FL 32732	0.02 SW	N/A	10
5	SPILLS	GENEVA GROCERY 598943949/CLOSED	210 AVENUE C GENEVA FL 32732	0.05 NE	N/A	11
5	UST	GENEVA GROCERY 598943949/CLOSED	210 AVENUE C GENEVA FL 32732	0.05 NE	N/A	12
5	LUST	GENEVA GROCERY 598943949/FACILITY CLOSED	210 AVENUE C GENEVA FL 32732	0.05 NE	N/A	13
6	UST	SOUTHERN BELL 33319 598734453/OPEN	173 1ST ST GENEVA FL 32732	0.10 NE	N/A	14
7	UST	STEVES GRADALL 599800900/CLOSED	1575 EVANS ST GENEVA FL 32732	0.15 SW	N/A	15

# *FirstSearch Technology Corporation*

## **Environmental FirstSearch™ Report**

Target Property:

**TORREN PT**

**GENEVA FL 32732**

Job Number: 60-166

### **PREPARED FOR:**

Ardaman & Associates

8008 S Orange Ave

Orlando, FL 32809

08-09-10



*Tel: (407) 265-8900*

*Fax: (407) 265-8904*

# *Environmental FirstSearch Search Summary Report*

**Target Site:** TORREN PT  
GENEVA FL 32732

## **FirstSearch Summary**

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
NPL	Y	08-01-10	0.25	0	0	0	-	-	1	1
NPL Delisted	Y	08-02-10	0.25	0	0	0	-	-	0	0
CERCLIS	Y	07-02-10	0.25	0	0	0	-	-	0	0
NFRAP	Y	07-02-10	0.25	0	0	0	-	-	0	0
RCRA COR ACT	Y	07-14-10	0.25	0	0	0	-	-	0	0
RCRA TSD	Y	07-14-10	0.25	0	0	0	-	-	0	0
RCRA GEN	Y	07-14-10	0.25	1	0	0	-	-	15	16
Federal Brownfield	Y	07-06-10	0.25	0	0	0	-	-	0	0
ERNS	Y	07-23-10	0.25	0	0	0	-	-	5	5
Tribal Lands	Y	12-01-05	0.25	0	0	0	-	-	4	4
State/Tribal Sites	Y	05-13-10	0.25	0	0	0	-	-	0	0
State Spills 90	Y	07-06-10	0.25	0	0	0	-	-	5	5
State/Tribal SWL	Y	06-10-10	0.25	0	0	0	-	-	1	1
State/Tribal LUST	Y	07-06-10	0.25	0	0	1	-	-	3	4
State/Tribal UST/AST	Y	07-06-10	0.25	0	0	1	-	-	21	22
State/Tribal EC	Y	05-11-10	0.25	0	0	0	-	-	0	0
State/Tribal IC	Y	05-11-10	0.25	0	0	0	-	-	0	0
State/Tribal VCP	Y	NA	0.25	0	0	0	-	-	0	0
State/Tribal Brownfields	Y	05-11-10	0.25	0	0	0	-	-	0	0
State Other	Y	05-07-10	0.25	0	0	0	-	-	5	5
Federal IC/EC	Y	06-02-10	0.50	0	0	0	0	-	1	1
- TOTALS -				1	0	2	0	0	61	64

### **Notice of Disclaimer**

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### **Waiver of Liability**

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***Environmental FirstSearch  
Site Information Report***

**Request Date:** 08-09-10  
**Requestor Name:** Lisa Tully  
**Standard:** LINEAR

**Search Type:** LINEAR  
 3.00 mile(s)  
**Job Number:** 60-166

**Target Site:** TORREN PT  
 GENEVA FL 32732

*Demographics*

<b>Sites:</b> 64	<b>Non-Geocoded:</b> 61	<b>Population:</b> NA
<b>Radon:</b> NA		

*Site Location*

	<u>Degrees (Decimal)</u>	<u>Degrees (Min/Sec)</u>	<u>UTMs</u>
<b>Longitude:</b>	-81.163786	-81:9:50	<b>Easting:</b> 484012.258
<b>Latitude:</b>	28.77337	28:46:24	<b>Northing:</b> 3182713.382
<b>Elevation:</b>	N/A		<b>Zone:</b> 17

*Comment*

<b>Comment:</b>
-----------------

*Additional Requests/Services*

<b>Adjacent ZIP Codes:</b> 0.5 Mile(s)	<b>Services:</b>
--	------------------

<u>ZIP Code</u>	<u>City Name</u>	<u>ST</u>	<u>Dist/Dir</u>	<u>Sel</u>	<u>Requested?</u>	<u>Date</u>
32764	OSTEEN	FL	0.01 NE	Y	Fire Insurance Maps	No
32771	SANFORD	FL	0.00 --	Y	Aerial Photographs	No
32773	SANFORD	FL	0.00 --	Y	Historical Topos	No
					City Directories	No
					Title Search/Env Liens	No
					Municipal Reports	No
					Online Topos	No

***Environmental FirstSearch  
Sites Summary Report***

**Target Property:** TORREN PT  
GENEVA FL 32732

**JOB:** 60-166

**TOTAL:** 64      **GEOCODED:** 3      **NON GEOCODED:** 61      **SELECTED:** 0

<b>Map ID</b>	<b>DB Type</b>	<b>Site Name/ID/Status</b>	<b>Address</b>	<b>Dist/Dir</b>	<b>ElevDiff</b>	<b>Page No.</b>
1	RCRAGN	TROMBLEYS AUTO BODY and USED C FLR000045443/SGN	2740 SR 46 GENEVA FL 32732	0.00 --	N/A	1
2	UST	HANDY WAY FOOD STORE 2697 598516643/CLOSED	5701 HWY 46 and ORANGE SANFORD FL 32771	0.20 NW	N/A	2
2	LUST	HANDY WAY FOOD STORE 2697 598516643/FACILITY CLOSED	5701 HWY 46 and ORANGE SANFORD FL 32771	0.20 NW	N/A	4

# *FirstSearch Technology Corporation*

## **Environmental FirstSearch™ Report**

Target Property:

**CATFISH COVE**  
**GENEVA FL 32732**

Job Number: 60-166

### **PREPARED FOR:**

Ardaman & Associates  
8008 S Orange Ave  
Orlando, FL 32809

08-09-10



*Tel: (407) 265-8900*

*Fax: (407) 265-8904*

# *Environmental FirstSearch Search Summary Report*

**Target Site:** CATFISH COVE  
GENEVA FL 32732

## **FirstSearch Summary**

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
NPL	Y	08-01-10	0.25	0	0	0	-	-	1	1
NPL Delisted	Y	08-02-10	0.25	0	0	0	-	-	0	0
CERCLIS	Y	07-02-10	0.25	0	0	0	-	-	0	0
NFRAP	Y	07-02-10	0.25	0	0	0	-	-	0	0
RCRA COR ACT	Y	07-14-10	0.25	0	0	0	-	-	0	0
RCRA TSD	Y	07-14-10	0.25	0	0	0	-	-	0	0
RCRA GEN	Y	07-14-10	0.25	0	0	0	-	-	15	15
Federal Brownfield	Y	07-06-10	0.25	0	0	0	-	-	0	0
ERNS	Y	07-23-10	0.25	0	0	0	-	-	5	5
Tribal Lands	Y	12-01-05	0.25	0	0	0	-	-	4	4
State/Tribal Sites	Y	05-13-10	0.25	0	0	0	-	-	0	0
State Spills 90	Y	07-06-10	0.25	0	1	0	-	-	5	6
State/Tribal SWL	Y	06-10-10	0.25	0	0	0	-	-	1	1
State/Tribal LUST	Y	07-06-10	0.25	0	2	0	-	-	3	5
State/Tribal UST/AST	Y	07-06-10	0.25	0	2	1	-	-	21	24
State/Tribal EC	Y	05-11-10	0.25	0	0	0	-	-	0	0
State/Tribal IC	Y	05-11-10	0.25	0	0	0	-	-	0	0
State/Tribal VCP	Y	NA	0.25	0	0	0	-	-	0	0
State/Tribal Brownfields	Y	05-11-10	0.25	0	0	0	-	-	0	0
State Other	Y	05-07-10	0.25	0	0	0	-	-	5	5
Federal IC/EC	Y	06-02-10	0.50	0	0	0	0	-	1	1
- TOTALS -				0	5	1	0	0	61	67

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***Environmental FirstSearch  
Site Information Report***

**Request Date:** 08-09-10  
**Requestor Name:** Lisa Tully  
**Standard:** LINEAR

**Search Type:** LINEAR  
 1.95 mile(s)  
**Job Number:** 60-166

**Target Site:** CATFISH COVE  
 GENEVA FL 32732

*Demographics*

<b>Sites:</b> 67	<b>Non-Geocoded:</b> 61	<b>Population:</b> NA
<b>Radon:</b> NA		

*Site Location*

	<u>Degrees (Decimal)</u>	<u>Degrees (Min/Sec)</u>	<u>UTMs</u>
<b>Longitude:</b>	-81.197142	-81:11:50	<b>Easting:</b> 480758.686
<b>Latitude:</b>	28.786628	28:47:12	<b>Northing:</b> 3184187.092
<b>Elevation:</b>	N/A		<b>Zone:</b> 17

*Comment*

<b>Comment:</b>
-----------------

*Additional Requests/Services*

<b>Adjacent ZIP Codes:</b> 0.5 Mile(s)	<b>Services:</b>
--	------------------

<u>ZIP Code</u>	<u>City Name</u>	<u>ST</u>	<u>Dist/Dir</u>	<u>Sel</u>	<u>Requested?</u>	<u>Date</u>
32764	OSTEEN	FL	0.00 --	Y	Fire Insurance Maps	No
32771	SANFORD	FL	0.00 --	Y	Aerial Photographs	No
32773	SANFORD	FL	0.00 --	Y	Historical Topos	No
					City Directories	No
					Title Search/Env Liens	No
					Municipal Reports	No
					Online Topos	No

***Environmental FirstSearch  
Sites Summary Report***

**Target Property:** CATFISH COVE  
GENEVA FL 32732

**JOB:** 60-166

**TOTAL:** 67      **GEOCODED:** 6      **NON GEOCODED:** 61      **SELECTED:** 0

<b>Map ID</b>	<b>DB Type</b>	<b>Site Name/ID/Status</b>	<b>Address</b>	<b>Dist/Dir</b>	<b>ElevDiff</b>	<b>Page No.</b>
1	UST	THE PANTRY 2049 598944475/OPEN	SR 46 and SR 415 SANFORD FL 32771	0.03 NW	N/A	2
1	LUST	THE PANTRY 2049 598944475/FACILITY OPEN	SR 46 and SR 415 SANFORD FL 32771	0.03 NW	N/A	4
1	SPILLS	THE PANTRY 2049 598944475/OPEN	SR 46 and SR 415 SANFORD FL 32771	0.03 NW	N/A	7
2	UST	HANDY WAY FOOD STORE 2697 598516643/CLOSED	5701 HWY 46 and ORANGE SANFORD FL 32771	0.03 SE	N/A	8
2	LUST	HANDY WAY FOOD STORE 2697 598516643/FACILITY CLOSED	5701 HWY 46 and ORANGE SANFORD FL 32771	0.03 SE	N/A	10
3	UST	JOYCE WELL DRILLING INC 598734890/CLOSED	4125 E HWY 46 SANFORD FL 32773	0.14 SW	N/A	11

Kangaroo Express 2655/  
Handy Way 2655

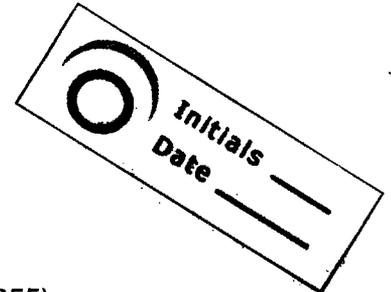
DEPARTMENT OF PUBLIC SAFETY  
PETROLEUM STORAGE TANKS BUREAU



CERTIFIED MAIL # 7008 0150 0001 7031 1321  
RETURN RECEIPT REQUESTED

August 19, 2008

Ms. Renee Thomas  
The Pantry  
1801 Douglas Drive  
Sanford, North Carolina 27330



Subject: **Deliverable Review**  
Kangaroo Express #2655 (a.k.a. Handy Way No. 2655)  
135 East Highway 46  
Geneva, Seminole County, Florida  
FDEP Facility ID: ~~#598631252~~

Dear Ms. Thomas:

The Seminole County, Department of Public Safety, Petroleum Storage Tanks Bureau, Petroleum Cleanup Program (SCPCP) has completed the review of the Supplemental Site Assessment Report (SSAR), dated June 24, 2008 and received June 25, 2008, prepared and submitted, on your behalf, by EarthTech, Inc.. The SCPCP found the SSAR to be generally adequate in meeting the requirements of Chapter 62-770.600 Florida Administrative Code (F.A.C.).

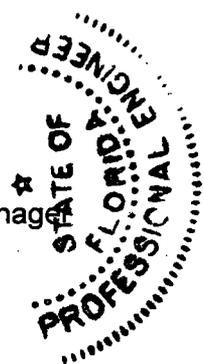
At this time the documentation submitted with the reports confirms that the cleanup criteria set forth in Rule 62-770.680, Florida Administrative Code (F.A.C.), has been met; as such, the SCPCP concurs with the recommendation to issue a Site Rehabilitation Completion Order for this site, which will be submitted under separate cover. If you should have any questions, please contact me at (407) 665-2336.

Sincerely,

Robert J. Durant, CHMM  
Site Manager  
Petroleum Cleanup Program

RD/jr/ll

James B. Russell, P.E.  
Principal Engineer/Program Manager  
Florida Registration # 49329  
Date: 8-26-08



cc: Grace Rivera; FDEP - BPSS  
Jennifer Bass, P.E., EarthTech, 30 South Keller Road, Suite 500, Orlando, FL 32810-6101

**SUPPLEMENTAL SITE ASSESSMENT REPORT**

**HANDY WAY #2655**  
135 East Highway 46  
Geneva, Seminole County, Florida  
FDEP Facility No. 598631252  
Earth Tech Project 95628.01

*prepared by*



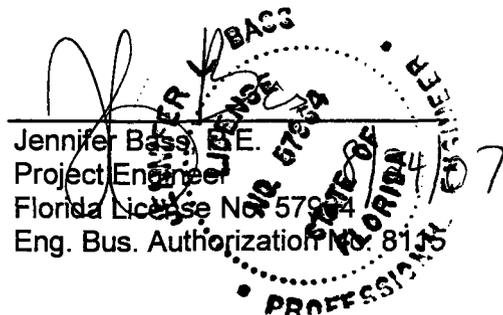
A **tyco** International Ltd. Company

30 South Keller Road  
Suite 500  
Orlando, Florida 32810



Jenna Stiles  
Environmental Scientist

In accordance with the provisions of Florida Statutes, Chapter 471, this Supplemental Site Assessment Report for the Handy Way # 2655 facility located in Geneva, Seminole County, Florida, has been prepared under the direct supervision of a Professional Engineer registered in the State of Florida. This work was performed in accordance with generally accepted professional engineering practices pursuant to Chapter 471 of the Florida Statutes. The data, findings, recommendations, specifications or professional opinions were prepared solely for the use of the Florida Department of Environmental Protection. Earth Tech makes no other warranty, either expressed or implied, and is not responsible for the interpretation by others of these data.



Jennifer Bass, P.E.  
Project Engineer  
Florida License No. 57994  
Eng. Bus. Authorization No. 8115

The seal is circular with "STATE OF FLORIDA" around the top and "PROFESSIONAL ENGINEER" around the bottom. It contains the text "BACC", "LICENSE", "NO. 57994", and "8/15". There is a handwritten signature over the seal and the number "7" to its right.

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**APPENDICES**

<b>Appendix A</b>	Pictures of Destroyed Monitor Well MW-9
<b>Appendix B</b>	Monitor Well Sampling Logs and Calibration Sheets
<b>Appendix C</b>	Laboratory Analytical Reports

## 1.0 INTRODUCTION

Earth Tech, Inc. (Earth Tech) is pleased to present the Seminole County Public Safety Division (SCPS) with this Supplemental Site Assessment Report (SSAR) for the above-referenced facility. Site assessment was initiated as a result of a Discharge Reporting Form (DRF) that was submitted on July 20, 2005, after analytical results from samples collected during underground storage tank upgrade activities indicated petroleum contamination was present in the east side of the tank farm area. A Site Assessment Report was submitted April 20, 2006 recommending the preparation of a Remedial Action Plan (RAP). A review letter by the SCPS, dated July 26, 2006, requested the installation of new monitor wells, soil sampling, and an additional groundwater sampling event. Prior to RAP preparation, Earth Tech submitted a Site Assessment Report Addendum on December 8, 2006 summarizing the additional work. Since groundwater contaminant concentrations had decreased to below the Groundwater Cleanup Target Levels (GCTLs) given in Table 5 of Chapter 62-777, Florida Administrative Code (FAC); the report recommended a verification soil sample be collected at the location of SB-5 at the 15 to 16 foot below land surface (bls) depth interval. If the soil sample contained no concentrations of petroleum contaminants above the Soil Cleanup Target Levels (SCTLs) given in Table 5 of Chapter 62-777, FAC, Earth Tech recommended No Further Action (NFA) status for the site. The review letter from the SCPS, dated July 26, 2006, Earth Tech requested the collection of the recommended verification soil sample and the sampling of eight monitor wells. **Figure 1** presents the current site layout.

## 2.0 GROUNDWATER SAMPLING ACTIVITIES

On July 25, 2007, Earth Tech personnel mobilized to the Handy Way 2655 site to sample eight monitor wells (MW-1, MW-6, MW-8, MW-9, MW-10, MW-11, MW-12 and MW-13) for analysis by EPA Method 8260B (volatile organic aromatics [VOAs]). While taking depth to water measurements, it was discovered that MW-6 was completely dry and MW-9 was broken (see pictures in **Appendix A**). Additionally during groundwater sampling, it was discovered that neither MW-10 nor MW-11 contained adequate groundwater to sample. The four remaining groundwater samples were submitted to Environmental Conservation Laboratories, Inc. (ENCO) of Orlando, Florida. Sampling was performed in accordance with the FDEP Standard Operating Procedures for Field Activities (DEP-SOP-001/01, February 2004).

Water levels in selected site wells were recorded prior to the sampling event. A groundwater contour map is provided as **Figure 2**. **Table 1** summarizes the historical groundwater elevation data for the site. For the July 2007 sampling event, the depth to water averaged 21 feet bls. Groundwater flow is to the east, which is generally consistent with historical data.

**Table 2** presents a historical summary of groundwater analytical data for the site. **Figure 3** presents the groundwater contamination map for the July 2006 sampling event. **Appendix B** contains the monitor well sampling data sheets and equipment calibration logs and **Appendix C** contains the laboratory analytical report.

### 3.0 SOIL SAMPLING ACTIVITIES

During the July 25, 2007 groundwater sampling event, Earth Tech personnel collected a soil sample adjacent to the SB-5 boring. The sample was collected by Ambient Technology, Inc. using direct push technology under Earth Tech oversight. The sample was taken at 15 to 16 feet bls and was submitted to ENCO of Orlando, Florida for analysis by EPA Method 8260B (volatile organic aromatics [VOAs]). **Table 3** presents a historical summary of soil analytical data for the site. **Figure 4** presents the soil boring location map for the July 2007 sampling event. **Appendix C** contains the laboratory analytical report.

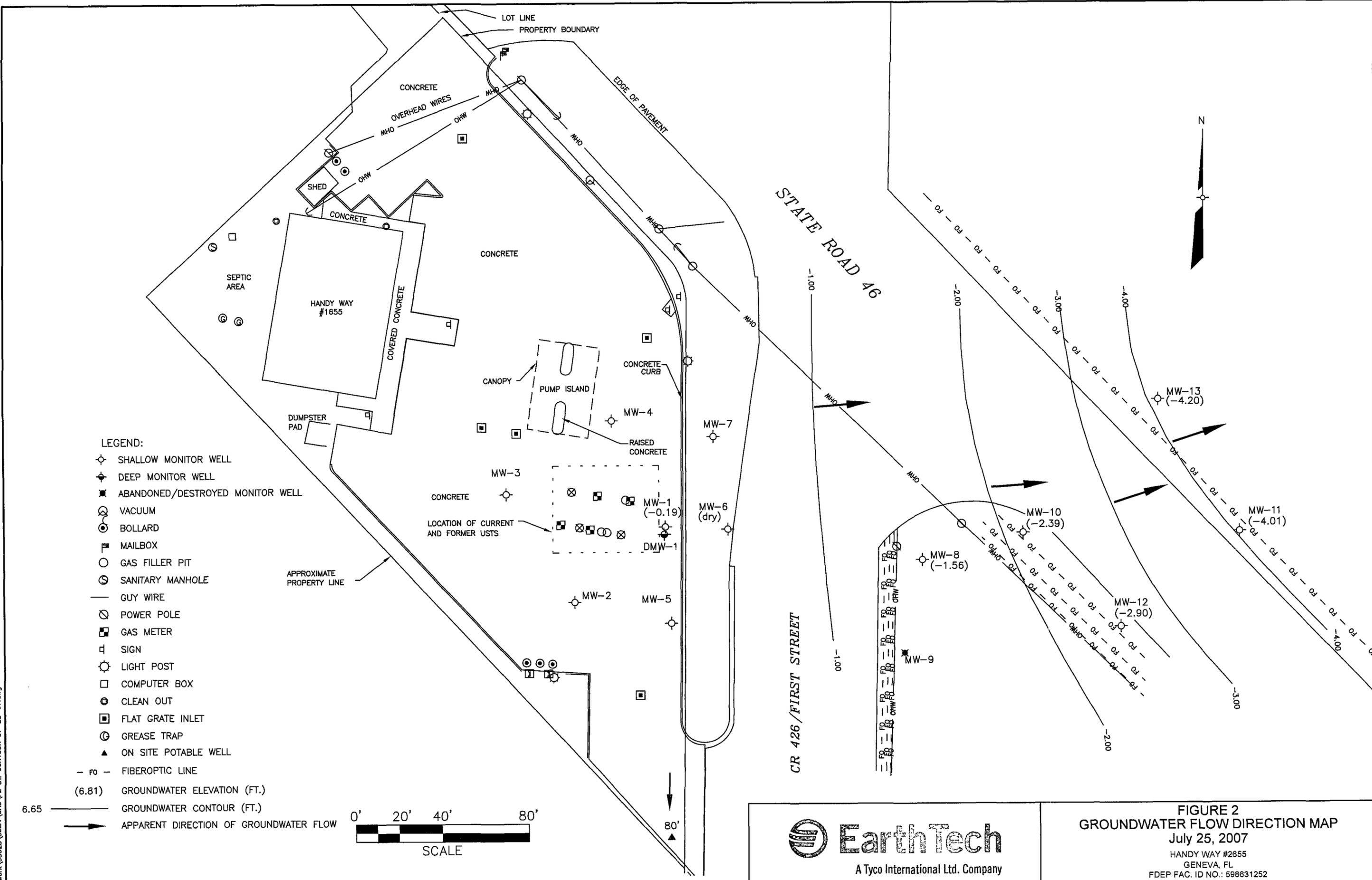
### 4.0 RESULTS AND RECOMMENDATIONS

The results from the July 2007 sampling event indicate that no petroleum compounds are present in any sampled monitor well at concentrations that exceed the GCTLs. Additionally, the soil sample collected adjacent to the SB-5 location did not contain any petroleum contaminants at concentrations that exceed the SCTLs. However, since several monitor wells did not contain sufficient water for sampling, Earth Tech recommends another round of sampling once the depth to water levels at the site have risen. If no groundwater above GCTLs is identified, NFA at this site will be recommended.

### 5.0 CLOSURE

Earth Tech appreciates the opportunity to be of continued service to the SCPS and The Pantry. If you have any questions or comments, please do not hesitate to contact us at (407)262-2916.

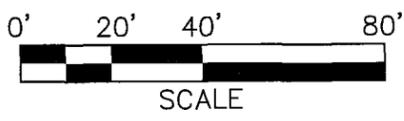
REVISED BY:  
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LEGEND:

- SHALLOW MONITOR WELL
- ⊕ DEEP MONITOR WELL
- ⊗ ABANDONED/DESTROYED MONITOR WELL
- ⊖ VACUUM
- ⊙ BOLLARD
- ⊠ MAILBOX
- GAS FILLER PIT
- ⊙ SANITARY MANHOLE
- GUY WIRE
- ⊙ POWER POLE
- ⊠ GAS METER
- ⊠ SIGN
- ⊙ LIGHT POST
- ⊠ COMPUTER BOX
- ⊙ CLEAN OUT
- ⊠ FLAT GRATE INLET
- ⊙ GREASE TRAP
- ▲ ON SITE POTABLE WELL

- FO - FIBEROPTIC LINE
- (6.81) GROUNDWATER ELEVATION (FT.)
- GROUNDWATER CONTOUR (FT.)
- APPARENT DIRECTION OF GROUNDWATER FLOW



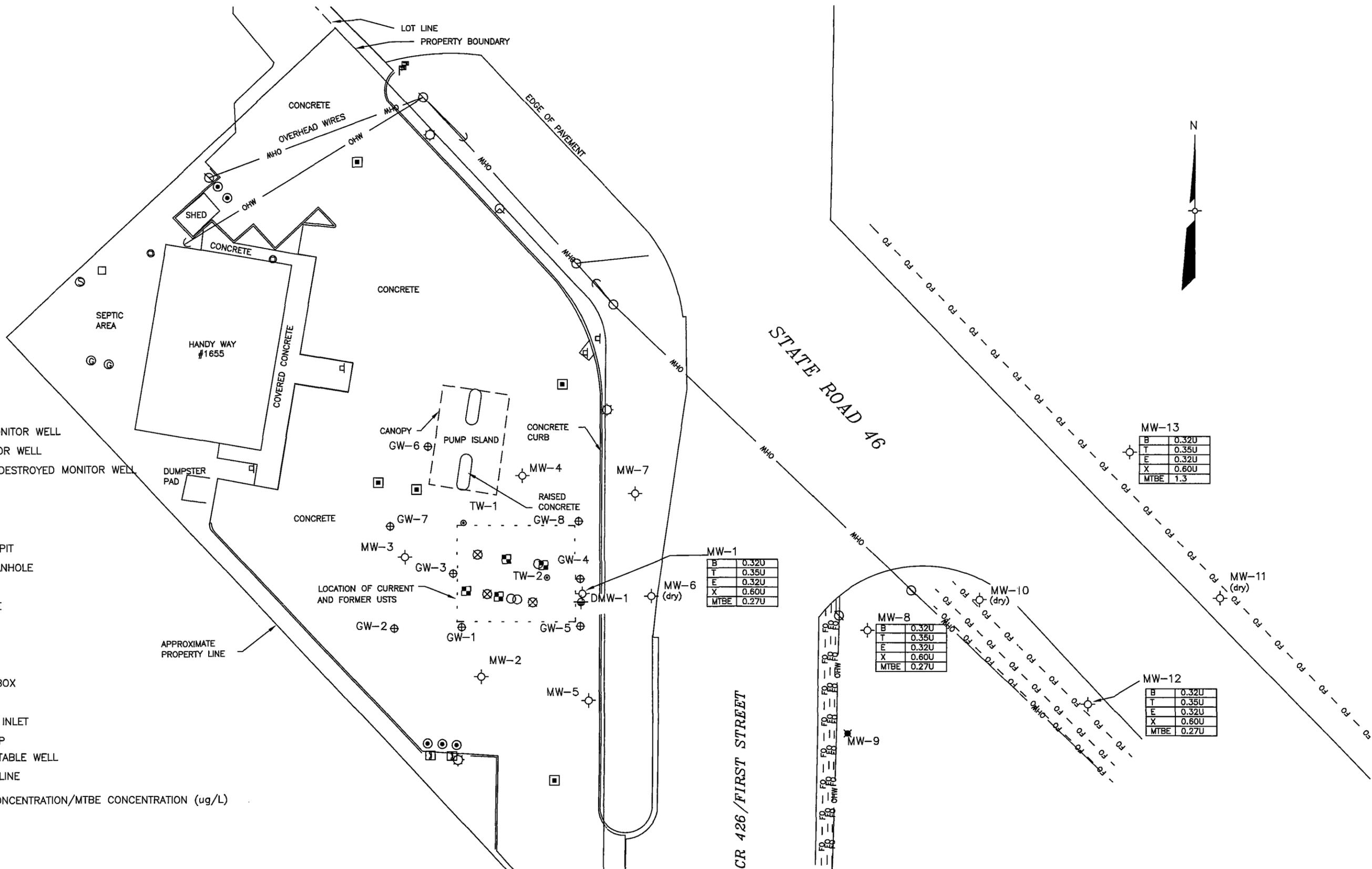
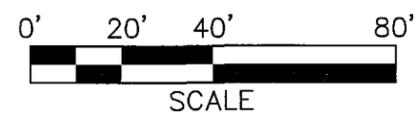
 **EarthTech**  
 A Tyco International Ltd. Company

**FIGURE 2**  
**GROUNDWATER FLOW DIRECTION MAP**  
 July 25, 2007  
 HANDY WAY #2655  
 GENEVA, FL  
 FDEP FAC. ID NO.: 598631252

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 DRAWN BY: HF

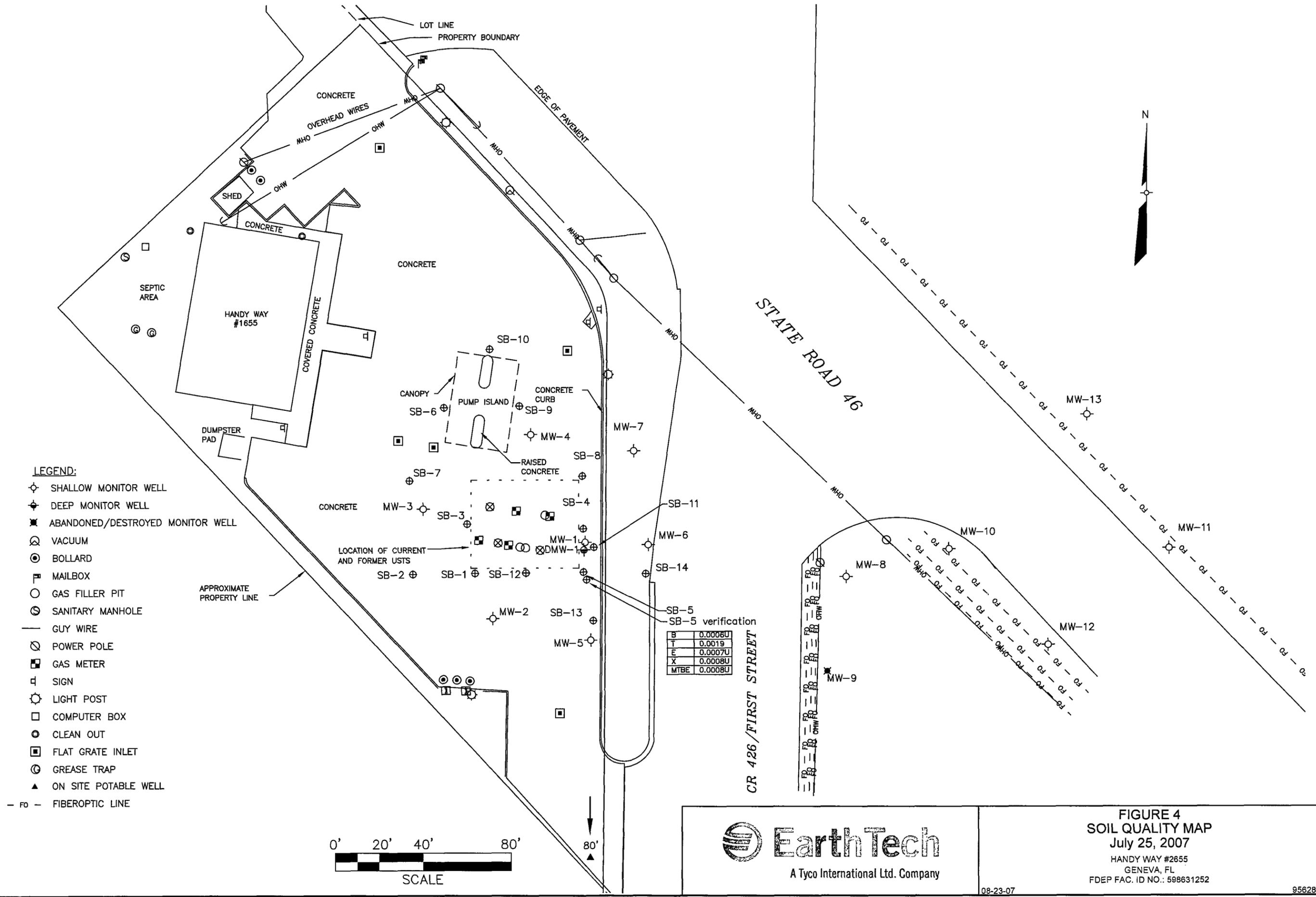
- LEGEND:**
- SHALLOW MONITOR WELL
  - ⊕ DEEP MONITOR WELL
  - ⊗ ABANDONED/DESTROYED MONITOR WELL
  - ⊖ VACUUM
  - ⊙ BOLLARD
  - ✉ MAILBOX
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  - COMPUTER BOX
  - ⊙ CLEAN OUT
  - ⊠ FLAT GRATE INLET
  - ⊙ GREASE TRAP
  - FO ⊠ ON SITE POTABLE WELL
  - FIBEROPTIC LINE

(22/185) BENZENE CONCENTRATION/MTBE CONCENTRATION (ug/L)



**FIGURE 3**  
**GROUNDWATER QUALITY MAP**  
 July 25, 2007  
 HANDY WAY #2655  
 GENEVA, FL  
 FDEP FAC. ID NO.: 598631252

REVISED BY: L. Wark  
 DRAWN BY: L. Wark  
 L:\work\95628\DELIV\CAD\F4 SOIL BORING MAP.dwg



**FIGURE 4**  
**SOIL QUALITY MAP**  
 July 25, 2007  
 HANDY WAY #2655  
 GENEVA, FL  
 FDEP FAC. ID NO.: 598631252

08-23-07

95628

Geneva Food Store/ MJM Food Store 4

RECEIVED

DEC 10 2003

DEPT. OF PUBLIC SAFETY  
TANK SECTION



**FILL PIPE CLOSURE ASSESSMENT  
AND SOURCE REMOVAL REPORT  
PROJECT # 2003-961**

Geneva Food Store  
140 SR 46 West  
Geneva, FL 32732  
FDEP Fac. ID # 599300175

December 4, 2003

PREPARED FOR:

Shararan Inc. dba Geneva Food Store  
140 SR 46 West  
Geneva, FL 32732  
&  
Andrew Bell, Inc.

PREPARED BY:

FER, Inc.  
2029 Heatheroak Dr.  
Apopka, FL 32703  
PH (407) 886-3777  
FAX (407) 880-5737  
1-800-761-3777

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3.2 SOIL ASSESSMENT.....	2
3.3 SOIL ASSESSMENT METHODOLOGY.....	3
3.4 WASTE MANAGEMENT.....	3
4.0 GROUNDWATER EVALUATION.....	3
5.0 CONCLUSIONS AND RECOMMENDATIONS .....	3
6.0 LIMITATIONS.....	4

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FIGURE 2:	SOIL SAMPLING LOCATIONS
FIGURE 3:	SOIL SCREENING DATA PLOTTED
FIGURE 4:	TOPOGRAPHIC MAP

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TABLE 2:	SOIL ANALYTICAL SUMMARY

### APPENDICES

APPENDIX 1:	SAMPLING AND CALIBRATION LOGS
APPENDIX 2:	DISPOSAL DOCUMENT(S)
APPENDIX 3:	ANALYTICAL

**1.0 CLOSURE ASSESSMENT AND SOURCE REMOVAL INFO. SHEET**

---

PROJECT #: 2003-961  
FDEP FAC ID #: 599300175  
SUBJECT SITE: Geneva Food Store  
140 SR 46 West  
Geneva, FL 32732  
  
CONTACT: Milan Patel

---

DATE OF CLOSURE: 10/10/03  
PSSC/CONTRACTOR: Andrew Bell, Inc. (PC C048399)  
PSSC/CONTRACTOR CONTACT: Andrew Bell (407) 877-8892  
CONSULTANT: FER, Inc.  
CONSULTANT CONTACT: Richard S. Boik (407) 886-3777

---

STATE PROGRAM SITE: None  
TANK SIZE (S): 3-10,000 gallon (1 diesel, 2 unleaded)  
TANK POSITION: Underground  
CONTENTS: Diesel, Gasoline

---

OVA METER: Thermo Enviro Model 580S (PID)  
CALIBRATION DATE(S) see Table 1  
RESPONSE FACTOR: 1.0 (diesel), 1.8 (gasoline)  
HIGHEST SOIL VAPOR READING: 717 ppm  
SOIL REMOVED/ AMOUNT: Yes/30.49 tons  
SOIL DISPOSITION: Thermal Treatment  
DEPTH TO GROUNDWATER: 9.5' bis  
WELL (S) SAMPLED: None  
ANALYTICALS: Soil- 602, 8100 & FL-PRO  
CONTAMINATED H2O/PRODUCT RECOVERED/ AMOUNT: None/ N/A  
CONT. H2O DISPOSITION: N/A

---

## 2.0 INTRODUCTION

FER, Inc. prepared this report for Andre Bell, Inc. and Shararan Inc. following a fill pipe closure and soil source removal at the Geneva Food Store (FDEP Fac ID # 599300175) at 140 SR 46 West Geneva, FL. This report documents source removal and groundwater sampling activities performed by Andre Bell, Inc. and FER, Inc. in accordance with FAC Ch. 62-761, FAC Ch. 62-770, the FDEP SOP-001/01, the FDEP Storage Tank Systems Closure Assessment Requirements and FER, Inc. Quality Manual.

## 3.0 CLOSURE ASSESSMENT ACTIVITIES

### 3.1 SUMMARY OF CLOSURE ASSESSMENT

On October 10, 2003 Andrew Bell, Inc. (PC C048399) and FER, Inc. visited the facility to replace spill containment buckets and perform closure assessment activities. Holes and/or cracks were observed by Volusia County in two (2) spill containment buckets (1- diesel, 1- gasoline). The concrete was broken and removed from around the fill pipes and the soil was exposed. FER, Inc. performed soil borings with a stainless steel hand auger at the tankhold. Soil samples (see Table 1) were screened with a Thermo Environmental 580S photoionization device (PID) using headspace analysis as per the Florida Department of Environmental Protection's (FDEP) Storage Tank System Closure Assessment Requirements. Soil organic vapor readings were observed above 10 ppm at the fill pipes with visibly damaged spill buckets (Highest OVA Reading- 717 ppm). Soil analytical samples (SS-1 & SS-2) were obtained at 3" below land surface (bls) for analysis using EPA Methods 602/8021, 8100 and FL-PRO. Soil analytical samples were reported by the laboratory at and above FAC Ch. 62-777 Soil Cleanup Target Levels. FER, Inc. recommended a soil source removal at the location of the fill pipes.

### 3.2 SOIL SOURCE REMOVAL

On October 13, 2003 a soil source removal was performed at the fill pipe locations. Soil organic vapor analysis was performed prior to and during excavation. Soil was screened via headspace analysis using a Thermo Environmental 580S photoionization device (PID) as per FAC Ch. 62-770. Soil organic vapor readings were also observed above 10 ppm at the fill pipe for the center unleaded underground storage tank (OVA Reading- 466 ppm @ 1' bls). Soil was excavated to approximately 4 feet bls at all fill pipe locations by Andrew Bell, Inc. Soil analytical samples (SS-3- SS-14) were obtained from the walls and bottom of the excavation for analysis using EPA Methods 602/8021, 8100 and FL-PRO. The contaminated soil (30.49 tons) was loaded and transported to the CA Meyer for thermal treatment (see Appendix 2).

Soil analytical samples obtained from the walls and bottom of the excavation were reported below FAC Ch. 62-777 Soil Cleanup Target Levels.

### 3.3 SOIL ASSESSMENT METHODOLOGY

Soil organic vapor analysis was performed using a Thermo Environmental Model 580S photoionization device (PID) and headspace analysis performed following the "SOP PSC-004 Soil Assessment and Sampling Methods for BPSS". The response factor was set at 1.0 to record a 1:1 flame ionization device (FID) equivalent response for diesel fuel contamination and 1.8 record a 1:1 flame ionization device (FID) equivalent response for gasoline contamination.

Soil analytical samples were obtained using a stainless steel auger EPA Methods 8100 and FL-PRO. Soil samples analyzed using EPA Method 5035/8021 were obtained via the syringe method. Soil samples were obtained in accordance with FAC Ch. 62-770, the "SOP PSC-004 Soil Assessment and Sampling Methods for BPSS", FER, Inc. Quality Manual and the FDEP SOP-001/01, packed in wet ice and delivered to P C & B Laboratories, Inc. (CompQAP # 900134) for analysis (see Appendix 3 and Table 2). Field measurements and sampling data was recorded (see Appendix 1).

### 3.4 WASTE MANAGEMENT

On October 10, 2003 FER, Inc. obtained soil analytical samples (PB-1) for waste characterization. PB-1 was obtained for analysis using EPA Methods 8021, 6010 (As, Cd, Cr, Pb) and FL-PRO. The contaminated soil (30.49 tons) was loaded and transported to the CA Meyer for thermal treatment (see Appendix 2).

### 3.3 GROUNDWATER EVALUATION

FER, Inc. reviewed the Geneva, Florida Quadrangle USGS topographic map (1970). The site and immediate surrounding area appear relatively flat with an approximate elevation of 65 feet above sea level. Based on the topographic map, it appears the depth to surficial groundwater at the facility is greater than 20 feet bls. The maximum depth of the soil source removal was 4 feet bls and soil analytical samples obtained from the bottom of the excavation indicate cleanup to below FAC Ch. 62-777 Soil Cleanup Target Levels. Therefore, groundwater samples were not obtained.

### 4.0 CONCLUSIONS AND RECOMMENDATIONS

FER, Inc. performed a fill pipe closure assessment as per the Florida Department of Environmental Protection's (FDEP) Storage Tank System Closure Assessment Requirements. Soil contamination was observed at the fill pipes and a soil source removal was performed. Soil analytical samples were obtained from the walls and bottom of the excavation for analysis using EPA Methods 602/8021, 8100 and FL-PRO. Soil analytical samples obtained from the walls and bottom of the excavation were reported below FAC Ch. 62-777 Soil Cleanup Target Levels. FER, Inc. recommends "No Further Assessment" relative to the discharge reported at underground storage tank fill pipes.



# Incident Notification Form

DEP Form # 62-761.900(6)

Form Title Incident Notification Form

Effective Date \_\_\_\_\_

PLEASE PRINT OR TYPE

Instructions are on the reverse side. Please complete all applicable blanks

1. Facility ID Number (if registered): 919300175 2. Date of form completion: 1/4/2011

### 3. General Information

Facility name: MJM FOOD STORE #4.  
 Facility Owner or Operator: MILAN C. PATEL  
 Contact Person: MILAN Telephone number: (321) 228 4577 County: SEMINOLE  
 Facility mailing address: 140 W SR 46 GENOVA, FL 32732  
 Location of incident (facility street address): \_\_\_\_\_  
 Latitude and Longitude of incident (if known.): \_\_\_\_\_

4. Date of Discovery of incident: 1/4/11 month/day/year

**RECEIVED**  
TANKS BUREAU  
**JAN 04 '11**

### 5. Monitoring method that indicates a possible release or an incident: (check all that apply)

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> Liquid detector (automatic or manual) | <input type="checkbox"/> Groundwater samples    | <input type="checkbox"/> Closure                              |
| <input type="checkbox"/> Vapor detector (automatic or manual)  | <input type="checkbox"/> Monitoring wells       | <input type="checkbox"/> Inventory control                    |
| <input type="checkbox"/> Tightness test                        | <input type="checkbox"/> Internal inspection    | <input type="checkbox"/> Statistical Inventory Reconciliation |
| <input type="checkbox"/> Pressure test                         | <input type="checkbox"/> Odors in the vicinity  | <input type="checkbox"/> Groundwater analytical samples       |
| <input type="checkbox"/> Breach of integrity test              | <input type="checkbox"/> Automatic tank gauging | <input type="checkbox"/> Soil analytical tests or samples     |
| <input checked="" type="checkbox"/> Visual observation         | <input type="checkbox"/> Manual tank gauging    | <input checked="" type="checkbox"/> Other                     |

### 6. Type of regulated substance stored in the storage system: (check one)

- |  |   |                                       |
|--|---|---------------------------------------|
| <input type="checkbox"/> Diesel              | <input type="checkbox"/> Used/waste oil | <input type="checkbox"/> New/lube oil |
| <input checked="" type="checkbox"/> Gasoline | <input type="checkbox"/> Aviation gas   | <input type="checkbox"/> Kerosene     |
| <input type="checkbox"/> Heating oil         | <input type="checkbox"/> Jet fuel       | <input type="checkbox"/> Other _____  |
- Hazardous substance - includes CERCLA substances, pesticides, ammonia, chlorine, and their derivatives, and mineral acids.  
 (write in name or Chemical Abstract Service (CAS) number) \_\_\_\_\_

### 7. Incident involves or originated from a: (check all that apply)

- |   |   |  |   |   |
|---|---|--|---|---|
| <input type="checkbox"/> Tank   | <input type="checkbox"/> Unusual operating conditions | <input type="checkbox"/> Dispensing equipment                              | <input type="checkbox"/> Pipe             | <input type="checkbox"/> Overfill protection device |
| <input type="checkbox"/> Piping sump  | <input type="checkbox"/> Release detection equipment  | <input checked="" type="checkbox"/> Secondary containment system           | <input checked="" type="checkbox"/> Other | <input type="checkbox"/> Dispenser Liners           |
| <input type="checkbox"/> Loss of >100 gallons to an impervious surface other than secondary containment |   | <input type="checkbox"/> Loss of >500 gallons within secondary containment |   |   |

### 8. Cause of the incident, if known: (check all that apply)

- |   |  |   |                                      |
|---|--|---|--------------------------------------|
| <input type="checkbox"/> Overfill (<25 gallons) | <input type="checkbox"/> Spill (<25 gallons) | <input type="checkbox"/> Theft                | <input type="checkbox"/> Corrosion   |
| <input type="checkbox"/> Faulty Probe or sensor | <input type="checkbox"/> Human error         | <input type="checkbox"/> Installation failure | <input type="checkbox"/> Other _____ |

### 9. Actions taken in response to the incident:

I am in contact with 2 Petroleum Contractor. To provide estimate. AS SOON AS PROPOSAL SUBMITTED. WORK WILL GET DONE.

### 10. Comments:

REGULAR SPILL BUCKETS CRASHED.

### 11. Agencies notified (as applicable):

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> Fire Department. | <input type="checkbox"/> Local Program | <input type="checkbox"/> DEP (district/person) |
|---|--|--|

### 12. To the best of my knowledge and belief, all information submitted on this form is true, accurate, and complete.

[Signature]  
 Printed Name of Owner, Operator or Authorized Representative

[Signature]  
 Signature of Owner, Operator or Authorized Representative.

Geneva General Store



# Department of Environmental Protection

Jeb Bush  
Governor

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

David B. Struhs  
Secretary

FEB 26 2004

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Marguerite Sheehan  
PO Box 192  
Geneva, FL 32732

Subject: Site Rehabilitation Completion Order  
Geneva General Store  
155 Hwy 46 West  
Geneva, Seminole County  
FDEP Facility ID 599046798  
Discharge Date: September 15, 1998 (Non-program)

Dear Ms. Sheehan:

The Bureau of Petroleum Storage Systems has reviewed the Tank Closure Report (TCR) prepared by Jones-Ayres for the petroleum product discharge discovered at this site. Documentation submitted with the TCR confirms that criteria set forth in Rule [62-770.680(1) Florida Administrative Code (F.A.C.), have been met. The TCR is hereby incorporated by reference in this Site Rehabilitation Completion Order (Order). Therefore, you are released from any further obligation to conduct site rehabilitation at the site for petroleum product contamination associated with the discharge listed above, except as set forth below.

- (1) In the event concentrations of petroleum products' contaminants of concern increase above the levels approved in this Order, or if a subsequent discharge of petroleum or petroleum product occurs at the site, the Florida Department of Environmental Protection (Department) may require site rehabilitation to reduce concentrations of petroleum products' contaminants of concern to the levels approved in the TCR or otherwise allowed by Chapter 62-770, F.A.C.

**Legal Issues**

The Department's Order shall become final unless a timely petition for an administrative proceeding (hearing) is filed under Sections 120.569 and 120.57, Florida Statutes (F.S.), within 21 days of receipt of this Order. The procedures for petitioning for a hearing are set forth below.

Persons affected by this Order have the following options:

*"More Protection, Less Process"*  
Visit Our Internet Site At: [www.dep.state.fl.us/waste/categories/pcp/default.htm](http://www.dep.state.fl.us/waste/categories/pcp/default.htm)  
*Printed on recycled paper.*

- (A) If you choose to accept the Department's decision regarding TCR you do not have to do anything. This Order is final and effective as of the date on the top of the first page of this Order.
- (B) If you choose to challenge the decision, you may do the following:
  - (1) File a request for an extension of time to file a petition for hearing with the Agency Clerk in the Office of General Counsel of the Department within 21 days of receipt of this Order; such a request should be made if you wish to meet with the Department in an attempt to informally resolve any disputes without first filing a petition for hearing; or
  - (2) File a petition for administrative hearing with the Agency Clerk in the Office of General Counsel of the Department within 21 days of receipt of this Order.

Please be advised that mediation of this decision pursuant to Section 120.573, F.S., is not available.

#### How to Request an Extension of Time to File a Petition for Administrative Hearing

For good cause shown, pursuant to Rule 62-110.106(4), F.A.C., the Department may grant a request for an extension of time to file a petition for hearing. Such a request must be filed (received) by the Agency Clerk in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, within 21 days of receipt of this Order. Petitioner, if different from Ms. Sheehan, shall mail a copy of the request to Ms. Sheehan at the time of filing. Timely filing a request for an extension of time tolls the time period within which a petition for administrative hearing must be made.

#### How to File a Petition for Administrative Hearing

A person whose substantial interests are affected by this Order may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) by the Agency Clerk in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, within 21 days of receipt of this Order. Petitioner, if different from Ms. Sheehan, shall mail a copy of the petition to Ms. Sheehan at the time of filing. Failure to file a petition within this time period shall waive the right of anyone who may request an administrative hearing under Sections 120.569 and 120.57, F.S.

Pursuant to Subsections 120.54(5)(b)4. and 120.569(2), F.S., and Rule 28-106.201, F.A.C., a petition for administrative hearing shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the name, address, and telephone number of the petitioner's representative, if any, the site owner's name and address, if different from the petitioner, the FDEP facility number, and the name and address of the facility;
- (b) A statement of when and how each petitioner received notice of the Department's action or proposed action;
- (c) An explanation of how each petitioner's substantial interests are or will be affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by the petitioner, or a statement that there are no disputed facts;
- (e) A statement of the ultimate facts alleged, including a statement of the specific facts the petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's action or proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Department's action or proposed action.

This Order is final and effective as of the date on the top of the first page of this Order. Timely filing a petition for administrative hearing postpones the date this Order takes effect until the Department issues either a final order pursuant to an administrative hearing or an Order Responding to Supplemental Information provided to the Department pursuant to meetings with the Department.

#### Judicial Review

Any party to this Order has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the Agency Clerk in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within 30 days after this Order is filed with the clerk of the Department (see below).

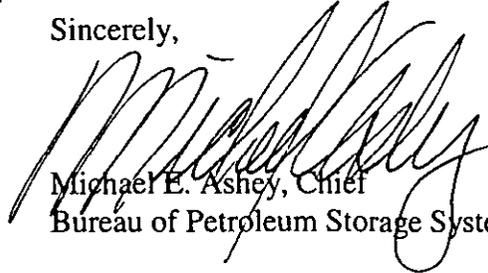
#### Questions

Any questions regarding the Department's review of your TCR should be directed to Ben Shulaw at (850) 245-8880. Questions regarding legal issues should be referred to the Department's Office of General Counsel at (850) 245-2242. Contact with any of the above does not constitute a petition for administrative hearing or request for an extension of time to file a petition for administrative hearing.

Marguerite Sheehan  
FDEP Facility ID 599046798  
Page four

The FDEP Facility Number for this site is 599046798. Please use this identification on all future correspondence with the Department.

Sincerely,



Michael E. Ashley, Chief  
Bureau of Petroleum Storage Systems

MEA/bs

Cc: Bret LeRoux, DEP, Central District Office  
Ben Shulaw, DEP, PCS2  
Ferda Yilmaz, DEP, PCS2  
David Kemp, Jones-Ayres Joint Venture, 8936 Western Way, Suite 10, Jacksonville, FL  
32256  
File

FILING AND ACKNOWLEDGMENT  
FILED, on this date, pursuant to  
§120.52 Florida Statutes, with the  
designated Department Clerk, receipt  
of which is hereby acknowledged.

Nancy C. Dow  
Clerk  
(or Deputy Clerk)

2-26-04  
Date

P.G. CERTIFICATION

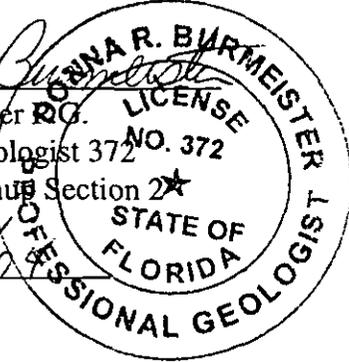
Site Rehabilitation Completion Report for the Geneva General Store located at 155 Hwy 46 West, Geneva, Seminole County, FDEP Facility ID 599046798.

I hereby certify that in my professional judgment, the components of the Site Rehabilitation Completion Report satisfy the requirements set forth in Chapter 62-770, Florida Administrative Code (F.A.C.), and that the conclusions in this report provide reasonable assurances that the objectives stated in Chapter 62-770, F.A.C., have been met.

I personally completed this review.

This review was conducted by Ben Shulaw working under my direct supervision.

Donna Burmeister  
Donna Burmeister R.G.  
Professional Geologist 372  
Petroleum Cleanup Section 2★  
Date 2/4/07



RECEIVED  
DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
2004 FEB -2 A 11:37  
BUREAU OF PETROLEUM  
STORAGE SYSTEMS  
DOCUMENT MANAGEMENT  
CENTER

**Limited Tank Closure Assessment**

**Geneva General Store  
155 Highway 46 West  
Geneva, Seminole County, Florida**

**FDEP Facility No. 599046798**

**Task Assignment No. GC582-085A**

January 28, 2004

Prepared by

Jones-Ayres Joint Venture  
8936 Western Way, Suite 10  
Jacksonville, Florida 32256

Jones-Ayres Joint Venture Project No. 739-042

## SECTION 3

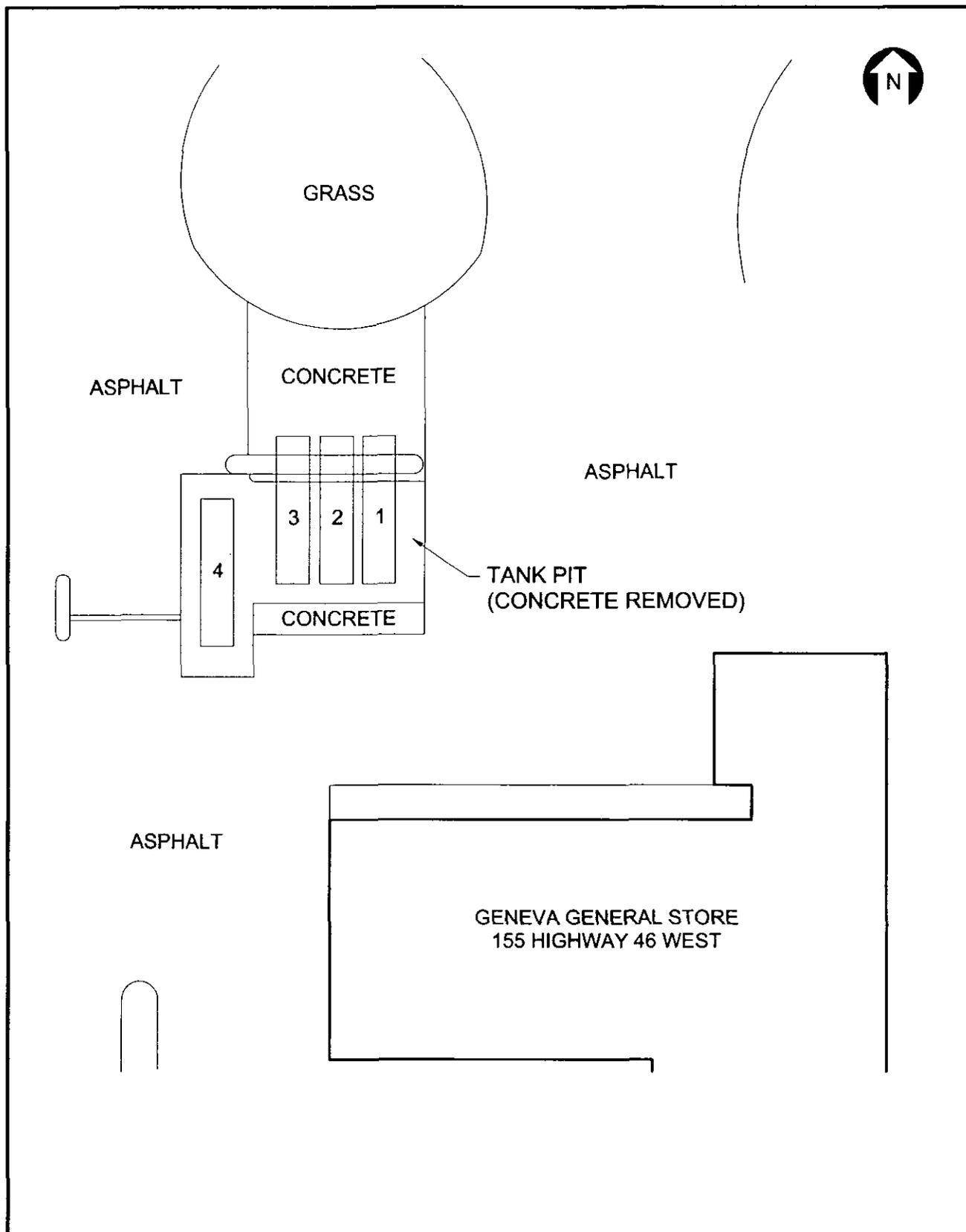
### CONCLUSIONS

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Jones-Ayres conducted a limited TCA at the Geneva General Store site from December 2 to December 11, 2003. The tank closure activities consisted of the closure-in-place of three USTs, the removal of one UST and its associated piping. As a part of the closure activities, Jones-Ayres screened soil samples from locations and depths surrounding the three 4,000-gallon USTs closed in-place and the one 4,000-gallon UST tank pit excavation for organic vapors, and collected five groundwater and two soil samples for laboratory analysis also associated with the four 4,000-gallon USTs.

The soil gas survey and soil analytical results did not indicate the presence of petroleum-contaminated soils at this site (**Table 1**). No petroleum contaminants were detected above their SCTLs listed in Chapter 62-777, FAC in the samples submitted for laboratory analysis. No additional soil assessment activities are needed to evaluate the extent of petroleum soil contamination at this site.

The groundwater analytical results did not indicate the presence of petroleum-contaminated groundwater at this site (**Table 2**). No petroleum contaminants were detected above their CTLs listed in Chapter 62-777, FAC in the samples submitted for laboratory analysis. No additional groundwater assessment activities are needed to evaluate the extent of petroleum groundwater contamination at this site.

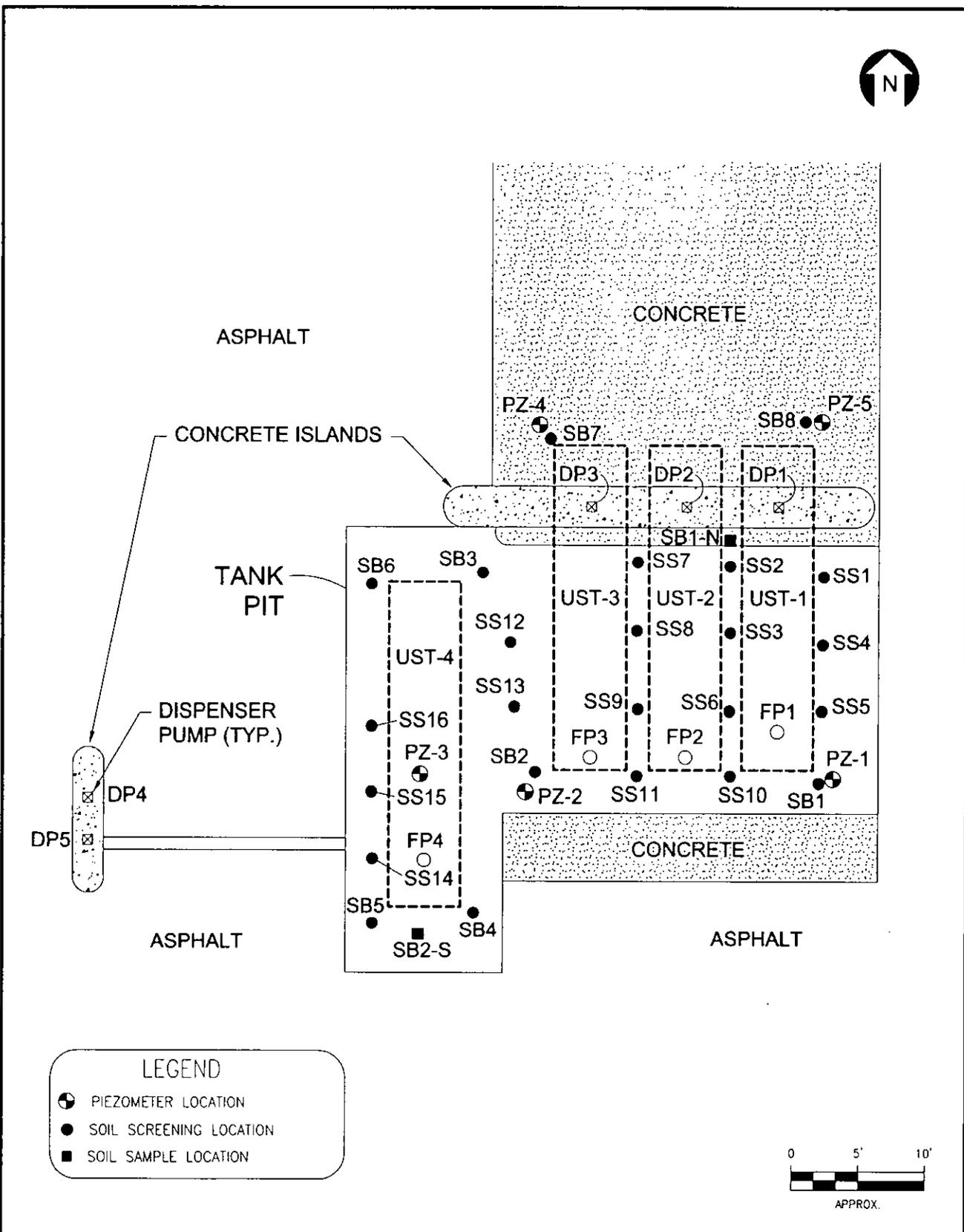


**J.A. JONES**  
 ENVIRONMENTAL  
 SERVICES

GENEVA GENERAL STORE  
 155 HIGHWAY 46 WEST  
 GENEVA, SEMINOLE COUNTY, FLORIDA  
 FDEP FACILITY NO. 599046798

SITE LOCATION

FIGURE  
**2**  
 PROJECT NO.  
**739-042**



**J.A. JONES**  
ENVIRONMENTAL  
SERVICES

GENEVA GENERAL STORE  
155 HIGHWAY 46 WEST  
GENEVA, SEMINOLE COUNTY, FLORIDA  
FDEP FACILITY NO. 599046798

EXCAVATION AREA AND SAMPLE LOCATIONS

FIGURE  
**3**  
PROJECT NO.  
**739-042**

The Pantry 2049



Environmental Consulting & Technology, Inc.

RECEIVED

JUL 20 2007

DEPT. OF PUBLIC SAFETY  
TANK SECTION

July 19, 2007  
ECT No. 070017-0100

Mr. James B. Russell  
Seminole County Petroleum Compliance/Cleanup  
510 West Lake Mary Boulevard  
Sanford, Florida 32773

**Re: Limited Closure Summary Report  
The Pantry, Inc. No. 2049  
4140 SR 46, Sanford, Seminole County, Florida  
FDEP Facility Identification No. 598944475**

RECEIVED  
TANK SECTION  
JUL 20 11:51

Dear Mr. Russell:

Pursuant to the storage tank closure requirements outlined in Chapter 62-771, Florida Administrative Code, ECT is submitting this Limited Closure Summary Form on behalf of The Pantry for the facility referenced above.

This facility is eligible for State-funded cleanup under Florida's Petroleum Liability Restoration and Insurance Program (PLRIP) for a discharge that occurred July 23, 1997. Currently the score for the site is 28. Assessment activities will be resumed upon authorization of funding under Florida's Petroleum Preapproval Program. Should you have any questions, please contact me at (352) 332-0444.

Sincerely,

**ENVIRONMENTAL CONSULTING & TECHNOLOGY, INC.**

Jeffrey L. Wahl, P.G.  
Senior Scientist

Attachment

cc: Renee' D. Thomas, Director – Gasoline Environmental  
The Pantry, Inc. P.O. Box 410, Sanford, North Carolina 27331-1410

3701 Northwest  
98th Street  
Gainesville, FL  
32606

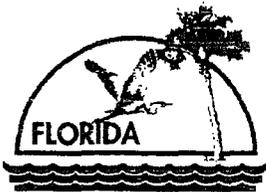
(352)  
332-0444

FAX(352)  
332-6722

Y:\GRS07\Pantry\2049\2049 Closure.doc

An Equal Opportunity/Affirmative Action Employer

**ATTACHMENT**



# Department of Environmental Protection

1 Towers Office Building ♦ 2600 Blair Stone Road ♦ Tallahassee, Florida 32399-2400

DEP Form 62-761.900(8)  
Form Title: Limited Closure  
Summary Report  
Effective Date: 7/13/08

## Limited Closure Summary Report

This form is required for facilities that have sites with documented contamination requiring a site assessment in accordance with Chapter 62-770, F.A.C. This includes those facilities that are eligible for the Early Detection Incentive Program (EDI), the Florida Petroleum Liability and Restoration Insurance Program (FPLRIP), and the Petroleum Cleanup Participation Program (PCPP), pursuant to Sections 376.3071 and 376.3072, F.S. Documentation of procedures followed, and results obtained during closure shall be reported in this form, along with any attachments. This form shall be submitted to the County within 60 days of completion of the closure in accordance with Section A of the "Storage Tank System Closure Assessment Requirements"

Complete All Applicable Blanks. Please Print or Type

### General Information

Date <u>6/5/07</u>	FDEP Facility ID Number <u>598944475</u>	County <u>Seminole</u>
Facility Name <u>Pantry 2049</u>		Facility Telephone #: ( <u>407</u> ) <u>322-1479</u>
Facility Address: <u>4140 SR-46, Sanford, FL</u>		
Owner or Operator Name: <u>The Pantry, Inc.</u>		Owner/Operator phone #: ( <u>919</u> ) <u>770-6700</u>
Mailing Address: <u>P.O. Box 1410, Sanford, NC, 27330</u>		

### Storage Tank System Closure Information

1. Were the storage tanks(s): (Check one or both)

<input type="checkbox"/> Aboveground	<input checked="" type="checkbox"/> Underground
--------------------------------------	---

2. General System Information

Types of Products Stored: <u>Unleaded Gasoline</u>	Number of Tanks Closed <u>3</u>	Age(s) of Tanks <u>18</u>
--	---------------------------------	---------------------------

3. Was the Limited Closure Summary Report Performed as a Result of: (check one or more)

<input checked="" type="checkbox"/> Tank Systems Removal?	<input type="checkbox"/> Spill Containment Installation?	<input type="checkbox"/> Change in Storage to a Non-Regulated Substance?
<input type="checkbox"/> Tank Systems Closed in Place?	<input type="checkbox"/> Dispenser Liners Installation?	<input type="checkbox"/> Release Prevention Barrier Installation?
<input type="checkbox"/> Piping Sump Installation?	<input type="checkbox"/> Secondary Containment Installation?	<input checked="" type="checkbox"/> Other? (please explain) <u>2009 Upgrade</u>

4. Please Check Yes or No to the following:

a. Was there previously reported contamination discovered on site? If yes, was	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
1. A Discharge Report Form submitted to the County?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
2. An investigation performed in accordance with Rule 62-761.820, F.A.C.?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
b. Is the depth to groundwater less than 20 feet?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
c. Are there monitoring wells on site? If yes, were they	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
1. Groundwater monitoring wells?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
2. Vapor monitoring wells?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
3. Used for closure assessment sampling?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
4. Properly closed?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
5. Retained for site assessment purposes?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
d. If tanks were replaced, were contaminated soils returned to the tank excavation?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

Bene'e D. Thomas  
Signature of owner or operator

[Signature]  
Signature of person performing  
Limited Closure Assessment

Jeffrey L. Wahl  
Name of person performing  
Limited Closure Assessment

(date) 7/16/07

(date) 7/19/07

Affiliation ECT, Inc.



# FDEP Scoring Review

Deliverable Date: February 17, 2009

FacilityID: 598944475

Latitude: 28° 47' 14.028" N

Longitude: 81° 12' 43.488" W

## THE PANTRY #2049

4140 E SR 46

SANFORD, FL 32343

Scoring Date:

Scored by:

Requested by:

Well Survey Requested:

Comments:

Discharge Date	Discharge ID	Eligibility Date	Program	Eligibility	Previous Score	New Score
07/23/1997	48971	09/16/1997	PLIRP	ELIGIBLE	28	28



# FDEP Scoring Review

Deliverable Date: February 17, 2009

FacilityID: 598944475

Latitude: 28° 47' 14.028" N

Longitude: 81° 12' 43.488" W

### Fire/Explosion Hazard

1. Free product or volatilized petroleum products at or above 20% of the Lower Explosive Limit (LEL) in existing utility conduits or vaults, buildings or other inhabited confined spaces (60 points).	0
2. Ignitable free product on surface waters or impoundments (60 points).	0

### Threat to Uncontaminated Drinking Water Supplies

1. Uncontaminated municipal or community well fields of greater than 100,000 gallons per day permitted capacity with a well within 1/2 mile of the site (30 points).	0
a. If the well field's 1 foot draw down contour is known to encompass the site regardless of the well field's distance from the site (20 points).	0
b. If the well field is located down gradient of the site (15 points).	0
2. Uncontaminated private wells constructed prior to date of contamination discovery, or uncontaminated public water system well field with less than 100,000 gallons per day permitted capacity with a well within 1/4 mile of the site (20 points).	20
a. If the well field's 1 foot drawn down contour is known to encompass the site regardless of the well field's distance from the site (10 points).	0
b. If the well field is located down gradient of the site (5 points).	0
3. Uncontaminated surface water body used as a public water system supply within 1/2 mile of the site (10 points).	0

### Migration Potential

1. Source Characteristics (select only one) a. Recent spills or free product found in wells/boreholes (4 points) except free product of 2 inches or more in 2 or more wells/boreholes (6 points). b. Recent product loss or wells/groundwater contaminated but no free product (2 points).	4
2. Product Type (select only one) a. Light petroleum product (kerosene, gasoline, aviation fuel and similar petroleum products) with water soluble additives or enhancers (MTBE, ethanol and similar substances) (3 points). b. Light petroleum product with no additives or enhancers (2 points). c. Heavy petroleum product (fuel oil, diesel and similar petroleum products) (1 point).	2

### Environmental Setting

1. Site located in G-1 aquifer (4 points) or G-2 aquifer (2 points).	2
2. Site located in a high recharge permeability geological area (4 points).	0
3. Site located within 1/2 mile of an Outstanding Florida Water (1 point).	0

**Total: 28**