FINAL
CONTAMINATION SCREENING EVALUATION REPORT

S.R. 679 (Pinellas Bayway Structure E) at Intracoastal Waterway
Project Development and Environment Study
Pinellas County, Florida

Work Program Item Segment No: 410755 1

Prepared for:

Florida Department of Transportation
District Seven
11201 N. Malcolm McKinley Drive
Tampa, Florida 33612

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June 2008

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SECTION 1.0
EXECUTIVE SUMMARY

This Contamination Screening Evaluation Report (CSER) was prepared for State Road (S.R.) 679 (Pinellas Bayway Structure E) located on the Intracoastal Waterway in St. Petersburg, Pinellas County, Florida. This is a Project Development and Environment (PD&E) Study for roadway and bridge improvement alternatives, that is being prepared by District 7 of the Florida Department of Transportation (FDOT). Pinellas Bayway Structure E currently consists of a 2-lane roadway and a bridge within the project area.

The project begins south of Madonna Boulevard and terminates approximately 1.093 miles north at Bahia Del Mar Boulevard on S.R. 679 (Pinellas Bayway). The lateral extent of the study area includes the S.R. 679 (Pinellas Bayway Structure E) corridor and the right-of-way areas.

The following report provides a project summary, evaluates the six alternatives for road improvement, defines the basic geology and hydrogeology features of the area, evaluates the regulatory status of suspect sites where applicable, and provides a summary of findings and recommendations for further assessment.

A total of 5 sites located along the S.R. 679 (Pinellas Bayway Structure E) corridor were evaluated. Of the 5 sites evaluated, 3 sites were given a ranking of medium risk, and 2 sites were given a ranking of high risk, based upon a detailed review of the existing database information available for the project area. These rankings may be adjusted depending upon the final alignment of roadway expansion and right of way requirements.

The 7-Eleven Food Store #29301 and the Tierra Verde Bridge (Bridge Number 15004) located within the project corridor were assigned a high risk. The 7-Eleven Food Store #29301 has documented petroleum contamination and the Tierra Verde Bridge has potential lead paint, polychlorinated biphenyl (PCBs) and asbestos contamination that need to be addressed if disposal and/or improvements are considered. The sites receiving a medium risk ranking are located on the project corridor and had historical petroleum underground storage tanks on-site. The Deltona Corporation Site was assigned a medium risk because no tank closure report was available for review to indicate whether or not petroleum impacted soil and/or groundwater was encountered during removal of the tanks. The Texaco-Tierra Verde Marina/BP Station site had documented petroleum discharges, for which a No Further Action Order was issued. However, due to the ongoing presence of petroleum use on the site a medium risk ranking was assigned. Similarly, due to the ongoing use of petroleum at the Tierra Verde Resort Marina and recent UST compliance violations a medium risk ranking was assigned.

The aforementioned rankings may be adjusted depending upon the final configuration of the proposed construction activities. At the facilities ranked medium or high due to documented contamination or the potential for contamination within the project area, additional environmental assessment activities are warranted. The additional assessment activities should consist of soil and groundwater testing, and are recommended prior to construction to determine the potential impact of these sites upon the proposed construction activities.

Section 2.0
INTRODUCTION AND PROJECT SUMMARY

The Florida Department of Transportation (FDOT) conducted a Project Development and Environment (PD&E) Study for bridge and roadway improvement alternatives along S.R. 679 (Pinellas Bayway Structure E) at the Gulf Intracoastal Waterway, hereafter referred to as the Intracoastal Waterway. The project location map (**Figure 2-1**) illustrates the location and limits of the PD&E Study.

2.1 PURPOSE

The purpose of the PD&E Study was to provide documented environmental and engineering analyses to assist FDOT and the United States Coast Guard (USCG), the lead federal agency, in reaching a decision as to the type, location, and conceptual design of roadway and bridge improvements to the S.R. 679 (Pinellas Bayway Structure E) crossing of the Gulf Intracoastal Waterway. The PD&E Study also satisfies the requirements of the National Environmental Policy Act (NEPA) and other state and federal regulations.

The PD&E Study documents the need for the improvements, and presents the procedures that FDOT utilized to develop and evaluate various improvement alternatives including rehabilitation and replacement of the existing double-leaf bascule bridge (Bridge Number 150049) known locally as the Tierra Verde Bridge. FDOT collected information relating to the engineering and environmental characteristics essential for alternatives and analytical decisions. FDOT then established design criteria and developed preliminary alternatives. The comparison of alternatives is based on a variety of parameters utilizing a matrix format. This process identified the alternative which would have the least impact, while providing the necessary improvements. The study also solicited input from the community and users of the facility. The design year for the analysis is 2030.

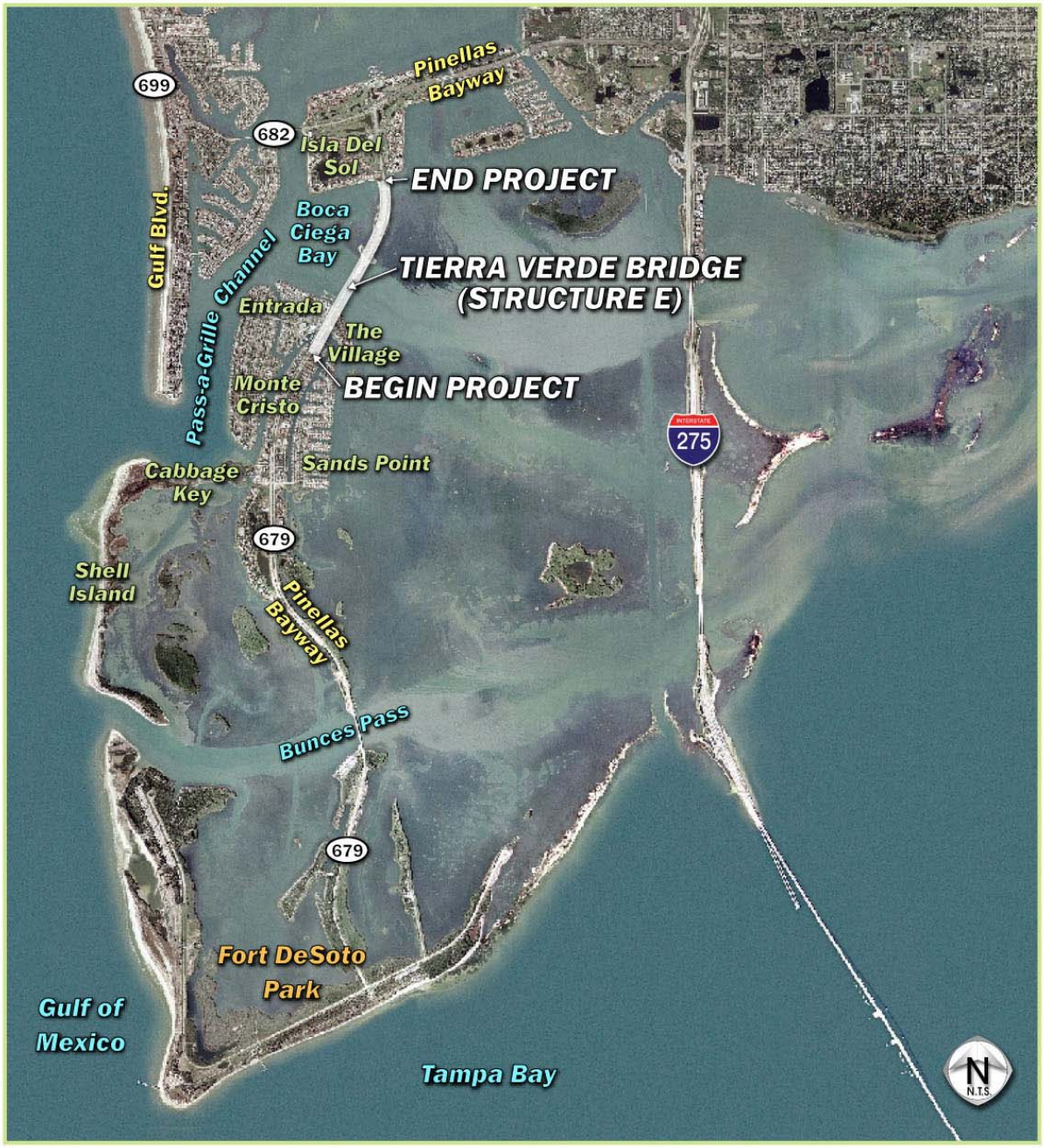
The purpose of the Contamination Screening Evaluation was to determine if reasonable suspicions of conditions exist that may have adverse environmental effects, and thus create environmental liability within the study area. This Contamination Screening Evaluation was prepared in general accordance with the PD&E Manual Part Two, Chapter 22. Many elements of this effort are also consistent with ASTM E-1527-05 Standard Practice for Phase I Environmental Site Assessments. This report identifies and evaluates known or potential contamination problems, presents recommendations concerning these potential problems, and discusses possible effects to the proposed project area. This evaluation did not include inquiries with respect to asbestos, lead paint, radon, methane, or wetlands.

S.R. 679 (Pinellas Bayway Structure E) at Intracoastal Waterway
Bridge No: 150049
Pinellas County, Florida

WPI Segment No : 410755-1

PROJECT LOCATION MAP

Figure 2-1



2.2 *PROJECT DESCRIPTION*

The PD&E Study limits encompass the portion of S.R. 679 from south of Madonna Boulevard (milepost 8.366) in Tierra Verde to south of S.R. 682 (milepost 9.454) in St. Petersburg, Florida, a distance of 1.088 miles (mi). The project is located within Sections 8, 17, and 20, Township 32 South, Range 16 East, and within the Pass-A-Grille Beach United States Geological Survey (USGS) quad map (quad Number 3022). Structure E is a low-level bascule structure that spans the Intracoastal Waterway, a marked federal navigational channel which generally runs between the mainland and the nearly contiguous barrier islands along the Gulf of Mexico. S.R. 679 is not part of the National Highway System, the Florida Intrastate Highway System, or the Strategic Intermodal System (SIS); however, the Intracoastal Waterway within the PD&E Study area is on the SIS. In addition, both S.R. 682 and S.R. 679 are designated hurricane evacuation routes by the Florida State Emergency Response Team (SERT).

S.R. 679 was originally constructed in 1961 to join the man-made islands of Tierra Verde with Isla Del Sol in St. Petersburg in Pinellas County. S.R. 679 is a north-south urban minor arterial that provides the only vehicular access to the islands of Tierra Verde and Mullet Key, where Fort De Soto Park is located. S.R. 679 is part of the Pinellas Bayway toll system, which also includes S.R. 682.

Routine bridge inspections have identified safety and structural problems associated with the age of the existing bridge, including concrete delaminations, spalls, cracks and other deficiencies. Structure E is functionally obsolete and is rated "scour critical." It also contains fracture critical elements, meaning that members are subject to tension such that failure could result in collapse of the bridge. The remaining service life under normal maintenance conditions is estimated to be six years, meaning that under the current normal maintenance program, the bridge will need to be rehabilitated or replaced by year 2011. Improvement alternatives considered for this facility include rehabilitation, rehabilitation (with widening), and replacement with a low-level bascule bridge, a mid-level bascule bridge or a high-level fixed-bridge.

2.3 DEFINITIONS

The following definitions apply to terms used throughout this report:

Hazardous Waste: Hazardous waste is defined by the U.S. Environmental Protection Agency (EPA) as a material exhibiting ignitable, corrosive, reactive, or toxic properties. The EPA has identified several thousand chemical compounds that possess one (1) or more of these properties. These compounds are identified as part of the EPA list of hazardous and toxic waste contained in the Code of Federal Regulation (CFR) 40,

Part 261 EPA regulation. The State of Florida has adopted EPA's definition of hazardous waste as well as the EPA list of waste types. Any hazardous material that has spilled or leaked and contaminated the soil or groundwater can be considered a hazardous waste. However, petroleum products spilled or leaked and contaminated soil and groundwater are not considered hazardous waste, and therefore, exempt from hazardous waste federal regulations.

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Potential Hazardous Waste Site: For the purposes of this report, a potential hazardous waste site is a parcel of land upon which hazardous materials are or were produced, stored or accumulated, regardless of the disposal method. Included in this category are gas stations and other businesses that store hazardous products, materials, or waste in tanks either above or underground. This definition is not meant to imply that these sites are contaminated, but that the operations conducted on them involve hazardous materials and the overall potential exists for contamination if these materials were not properly handled on these sites. This definition also does not mean that petroleum products from gas station activities fall under regulatory scrutiny within hazardous waste regulations by either the EPA or the Florida Department of Environmental Protection (FDEP).

Contamination: The presence of any regulated material/chemical contained within the soil, surface water or groundwater on or adjacent to FDOT property or proposed property, that may require assessment, remediation, or special handling, or that has a potential for liability. These materials would include, but not be limited to, those substances normally referred to as petroleum or petroleum products.

Section 3.0
VIABLE BRIDGE IMPROVEMENT ALTERNATIVES

Improvement alternatives considered for this facility include rehabilitation and bridge replacement with a new bascule bridge or a new fixed-span bridge. The alternatives considered are summarized below. For more information on each alternative, see the Preliminary Engineering Report (PER).

3.1 ALTERNATIVE 1 - REHABILITATION

The Rehabilitation Alternative is the repair and rehabilitation of the existing bridge in its existing design configuration to keep the bridge operating in a safe condition, maintaining the existing typical section. In order for vehicular traffic to be maintained at all times during construction activities, a temporary bridge is proposed on the east side of the existing bridge, to be removed upon completion of the rehabilitation activities. Temporary roadway approaches would also be constructed and removed.

3.2 ALTERNATIVE 2 – REHABILITATION WITH WIDENING

The Rehabilitation with Widening Alternative includes repair, rehabilitation and widening of the existing bridge to the east to accommodate a cross section that meets current Florida Department of Transportation (FDOT) geometric design requirements and standards. The proposed typical section features two 12 foot (ft) lanes separated by a 4-ft striped median, two 10-ft shoulders, and two 5-ft (minimum) sidewalks separated from the shoulder by a barrier wall. In essence, the widening consists of construction of a separate new bascule bridge, with its own separate mechanical and electrical systems, immediately adjacent to the existing bridge. The striped median would be incorporated into the cross section to move the northbound vehicular outboard wheel line off the longitudinal joint associated with the tail of each new leaf.

Complete rehabilitation of all the same components and systems of the existing bridge is also included. Vehicular traffic can be maintained at all times during construction activities without a temporary bridge by using the extra width of the widened bridge. As with the Rehabilitation Alternative, the initial concrete repairs, mechanical and electrical system replacement, scour countermeasures and all new construction would be completed by 2011.

3.3 ALTERNATIVE 3 – LOW-LEVEL BASCULE BRIDGE REPLACEMENT

This concept proposes building a new bascule bridge with a minimum vertical navigational clearance of 21.5 ft at the timber fenders when the bridge is closed. The horizontal clearance between fenders is 100 ft. The proposed typical sections for the bascule bridge and fixed approaches to the replacement bascule bridge include one 12-ft lane and a 10-ft shoulder in each direction. A 5-ft sidewalk is included on the west side, separated from the shoulder by a concrete barrier wall. An 11-ft sidewalk is provided on the east side to accommodate a planned multi-use path. A 4.5 ft high pedestrian/bicycle railing will be provided on the outside. The overall width of the fixed-span is 65 ft, while the bascule bridge width is 63 ft 8 inches (in). The bridge would be constructed on the east side of the existing bridge. The proposed design speed is 50 miles per hour (mph).

3.4 ALTERNATIVE 4 – MID-LEVEL BASCULE BRIDGE REPLACEMENT

This concept proposes a replacement bascule bridge with a minimum vertical navigation clearance of 45 ft and a horizontal clearance of 100 ft. This height would allow approximately 45 percent of the waterway users that currently require the bridge to open to pass without an opening. The proposed typical section includes one 12-ft lane, a 10-ft shoulder, and a six ft sidewalk in each direction. The overall width of the fixed-span is 61 ft, while the bascule bridge width is 59 ft 8 in. The bridge would be constructed on the east side of the existing bridge. The proposed design speed is 50 mph.

3.5 ALTERNATIVE 5 – HIGH-LEVEL FIXED BRIDGE REPLACEMENT OVER EXISTING CHANNEL

This concept proposes a high-level fixed-span replacement bridge over the existing Intracoastal Waterway navigation channel. The vertical navigational clearance will be 65 ft, which would allow over 99 percent of waterway users to pass under the bridge. The horizontal clearance between fenders is 100 ft. The proposed typical section includes one 12-ft lane and a 10-ft shoulder in each direction. A 5-ft sidewalk is included on the west side, separated from the shoulder by a concrete barrier wall. An 11-ft sidewalk is provided on the east side to accommodate a planned multi-use path. The overall width of the fixed-span is 65 ft. The bridge would be constructed on the east side of the existing bridge. The proposed design speed is 50 mph. This alternative includes sub-alternatives of relocating either Madonna Boulevard or the entrance into The Village at Tierra Verde.

3.6 ALTERNATIVE 6 – HIGH-LEVEL FIXED BRIDGE REPLACEMENT OVER RELOCATED CHANNEL

This concept proposes a high level fixed-span replacement bridge over the relocated Intracoastal Waterway navigation channel, 400 ft to the north of its existing location. The vertical navigational clearance will be 65 ft, which would allow over 99 percent of waterway users to pass under the bridge. The horizontal clearance between fenders is 100 ft. The proposed typical section includes one 12-ft lane and a 10-ft shoulder in each direction. A 5-ft sidewalk is included on the west side, separated from the shoulder by a concrete barrier wall. An 11-ft sidewalk is provided on the east side to accommodate a planned multi-use path. The overall width of the fixed-span is 65 ft. The bridge would be constructed on the east side of the existing bridge. The proposed design speed is 50 mph.

3.7 RECOMMENDED ALTERNATIVE

The Recommended Alternative is Alternative 5A, the high level fixed bridge replacement over the existing channel with the relocation of the entrance into the Village at Tierra Verde. Preliminary concept plans are provided in Appendix A for the Recommended Alternative.

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Section 4.0
DESCRIPTION OF BASIC GEOLOGIC AND HYDROGEOLOGIC FEATURES OF THE PINELLAS BAYWAY STUDY AREA

Review of the Pass-A-Grille Beach, Florida United States Geological Service (USGS) 7.5 Minute Topographic Map dated 1956 and photorevised in 1981 (based upon aerial photographs taken in 1979) and photoinspected in 1983 indicates that the elevation at the Pinellas Bayway study area is less than 5 ft above mean sea level. The USGS Topographic Map for the site is provided as **Figure 4-1**. The topography of the project site is essentially flat. Tampa Bay is located to the east of the project site and Pass-A-Grille Channel is located to the west. The main channel of the Intracoastal Waterway crosses under the bridge associated with this project.

According to the United States Department of Agriculture (USDA) Soil Conservation Service (SCS) Soil Survey of Pinellas County, Florida, soils within the proposed project site area are primarily classified as Palm Beach Sand. The USDA Pinellas County Area Soil Survey of the project location is shown on **Figure 4-2**. The SCS defines this soil map unit as follows:

Palm Beach sand – Nearly level, well drained sand mixed with shells and fine shell fragments. It consists mainly of material dredged from nearby shallow water to fill dikes. This material has been reworked and leveled. It may contain lumps of clay and rock fragments.

Pinellas County is underlain by approximately 8,000 ft of sedimentary rock which overlays the crystalline basement rock. The upper rock stratum consists of undifferentiated sand, silts, and clay, limestones, dolomites, and anhydride. The upper water table aquifer, Pleistocene to Recent in age, consists of sand, clay, and marl, and ranges in thickness from 0 to 150 ft. Underlying this unit is the Hawthorn Formation, Miocene in age, consisting of clay, sand, and limestone. In Pinellas County, the limestone units of the Hawthorn Formation comprise the shallow artesian aquifer yielding small quantities of water. The Hawthorn Formation ranges in thickness from 0 to 250 ft.

Underlying these units is the Floridan aquifer, comprised of the Tampa and Suwannee limestones, the Ocala Group, Avon Park limestone, Lake City limestone, Oldsmar limestone, and Cedar Key limestone. The Tampa and Suwannee limestones which are Miocene and Oligocene in age comprise the upper part of the principal artesian aquifer in Pinellas County, and yield water for most of the domestic and commercial wells in the

S.R. 679 (Pinellas Bayway Structure E) at Intracoastal Waterway
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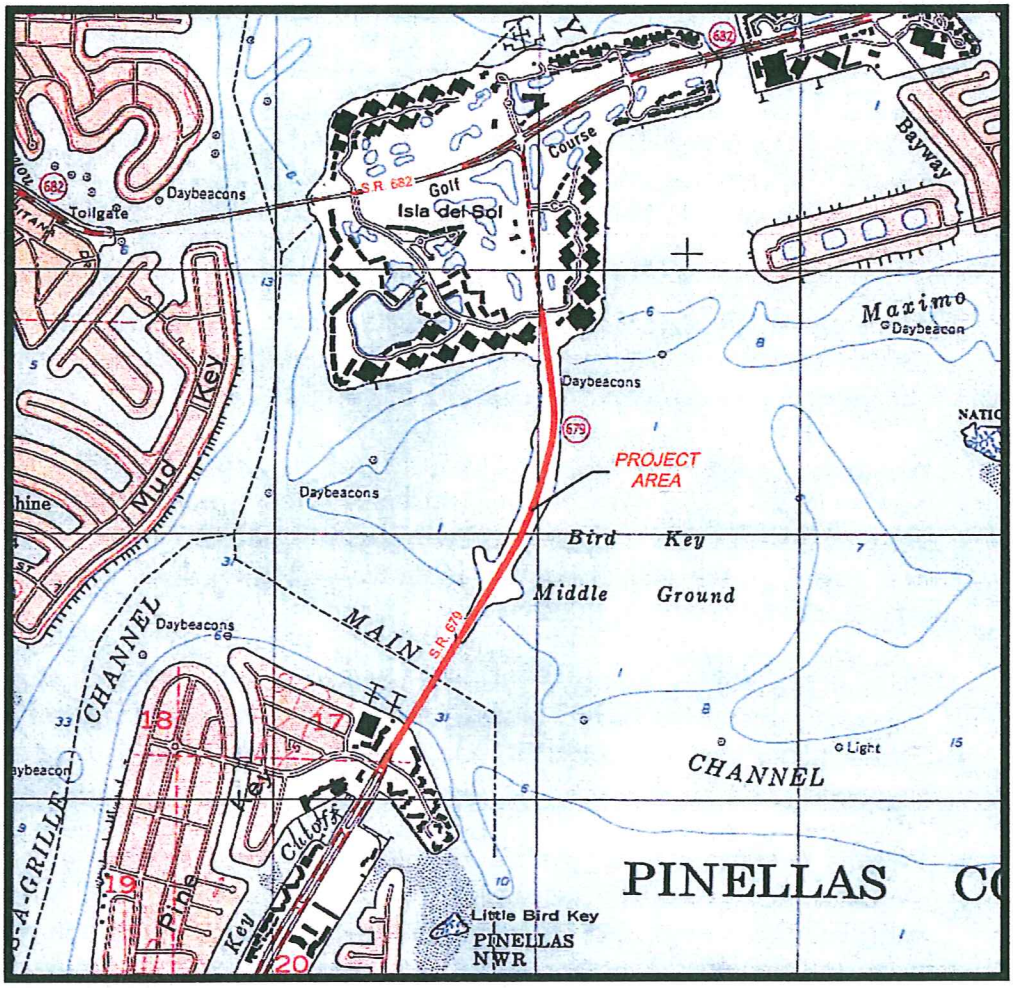
USGS Topographic Map

WPI Segment No : 410755-1

Figure 4-1



REFERENCE: U.S.G.S. "PASS-A-GRILLE BEACH, FLORIDA" QUADRANGLE MAP
SECTION: 17 ISSUED: 1994
TOWNSHIP: 32 SOUTH
RANGE: 16 EAST

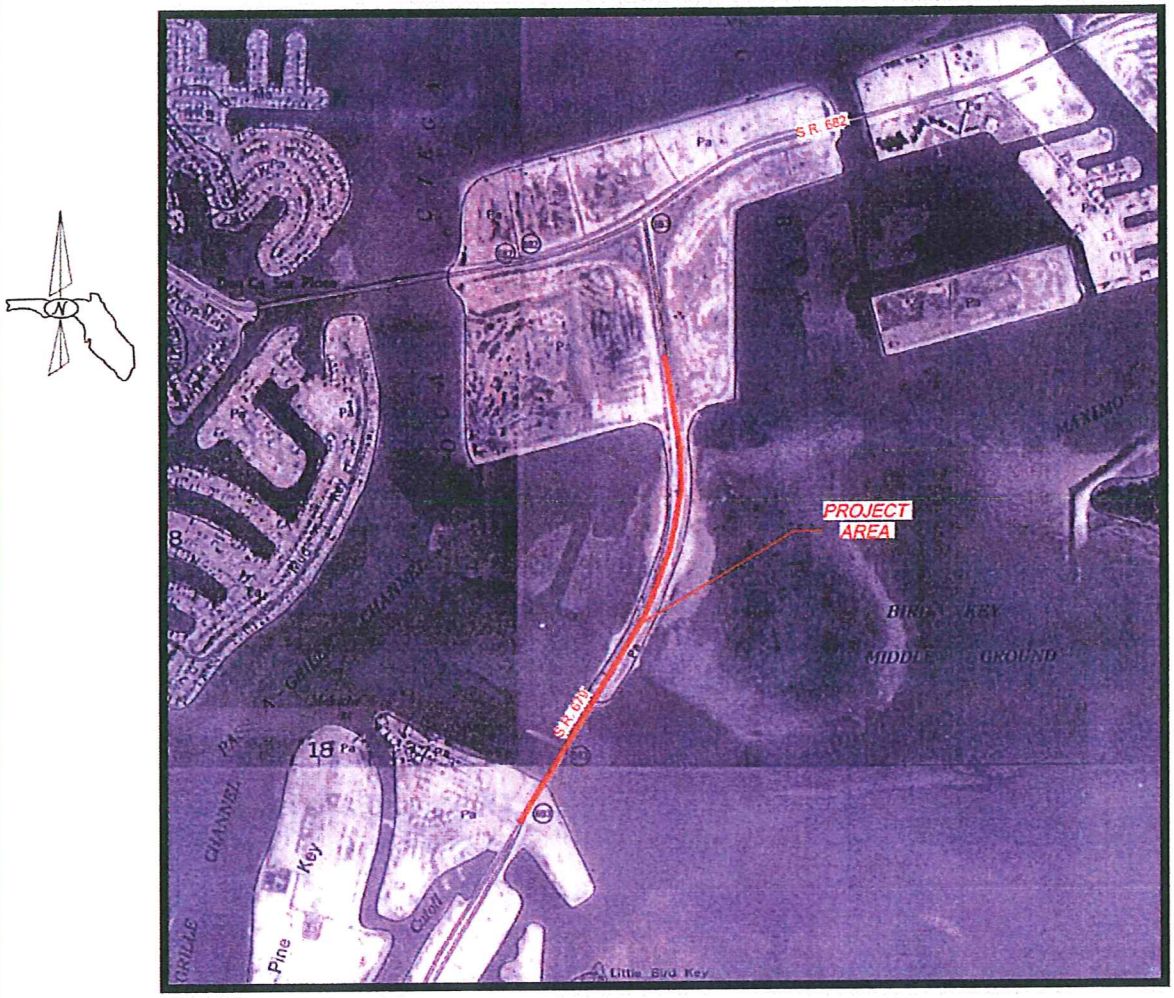
P:\Projects\SR 679-100679\Graphics\Reports\Contamination\Fig 4-1 Final.ai

S.R. 679 (Pinellas Bayway Structure E) at Intracoastal Waterway
Bridge No: 150049
Pinellas County, Florida

USDA - SCS Soils Map

WPI Segment No :410755-1

Figure 4-2



REFERENCE: U.S.D.A. – S.C.S. PINELLAS COUNTY, FLORIDA SOIL SURVEY
SECTION: 17 ISSUED: 1972
TOWNSHIP: 23 SOUTH
RANGE: 16 EAST

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County. However, it should be noted that salt water intrusion has limited production of these wells.

The underlying Ocala Group exhibits low transmissivities and is rarely used for water supply. The lower productive zone of the Floridan is comprised of portions of the Avon Park and Lake City Limestones both Eocene in age. The limestone formations dip and thicken towards the southwest due to the Ocala Uplift and the Peninsular Arch. Because the beds thicken and dip to the southwest, wells of similar bottom elevation will penetrate older formations in the northeast than in the southwest.

The depth to groundwater is shallow and averages approximately 3 ft below land surface. Groundwater flow direction is tidally influenced, with general groundwater flow direction toward Tampa Bay to the north, northeast.

According to the Pinellas County Engineering Department, there are no public or private potable wells located within this area. Municipally supplied water is provided to businesses and residences in the area of the subject tract.

Section 5.0
DESCRIPTION OF BASIC METHODOLOGY USED IN THE STUDY

An evaluation of properties within the project limits of the S.R. 679 (Pinellas Bayway) right-of-way was conducted to evaluate the presence of hazardous waste, hazardous materials, or petroleum products with the potential to cause contamination that may adversely impact future construction activities. The study area commences south of Madonna Boulevard and terminates approximately 1.093 miles north at Bahia Del Mar Boulevard on S.R. 679 (Pinellas Bayway Structure E). The lateral extent of the study area includes the S.R. 679 (Pinellas Bayway Structure E) corridor and the right-of-way areas. This evaluation consisted of the following tasks:

- Conducting research of environmental regulatory agency files including the Florida Department of Environmental Protection (FDEP) and Pinellas County to obtain information on environmental permits or permitted activities within the project study area.

- Conducting interviews with site owners and/or users where possible to assist in developing the site risk rating.

- Contacting the Pinellas County Health Department and the FDEP for information relating to underground storage tanks and possible hazardous waste sites within the project limits.

- Collating all data obtained in the research and reconnaissance activities, and assigning a hazardous waste potential risk rating for each parcel of land within the proposed project limits based upon onsite activities.

- Reviewing readily available historical aerial photographs.

The regulatory database research previously discussed includes a review of pertinent and available information regarding possible environmental concerns on or near the S.R. 679 (Pinellas Bayway Structure E) project site. The database research includes an evaluation of the following databases:

1. National Priorities List (NPL) - The NPL is an inventory of facilities and/or locations with confirmed environmental contamination. These sites fall under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA) and are often referred to as "Superfund" sites. The NPL is maintained by the Environmental Protection Agency (EPA) and allows them to rank those sites according to the extent of environmental health and safety concerns and schedule them for remedial action.

2. Facility Index System List (FINDS) - The FINDS database is a centralized file of facilities regulated by the major environmental programs within the EPA. The FINDS list is concerned with operations conducted at sites and indicates the potential for environmental problems due to these operations. It contains basic facility information such as name, address and the EPA identification number. It also Apoints to@ or identifies specific EPA databases which contain environmental information on a given facility. Source identifications are provided to enable locating a specific facility record within the EPA database(s) indicated by the FINDS data.

3. Comprehensive Environmental Response, Compensation, and Liability Act Index (CERCLIS) - CERCLIS is an identification of those facilities and/or locations that are currently being investigated by the EPA or associated state environmental agencies to ascertain the presence of potential or existing contamination. Preliminary site assessments are normally conducted by either the EPA or the appropriate state environmental agency for all sites included in CERCLIS. Many of the sites investigated through CERCLA will be placed on NPL for remedial action and will be included in the Sites Enforcement Tracking System (SETS) for identification of potential liability.

4. Site Enforcement Tracking System (SETS) - SETS was created by EPA to identify parties with potential financial responsibility for remediation of uncontrolled hazardous waste sites. The SETS data includes the potentially responsible person name and address, a company contact person, the date the notice was issued, and the related CERCLA site name and identification number.

5. RCRA Administration Action Tracking System (RAATS) - The RAATS database provides information regarding RCRA (Resource Conservation and Recovery Act) violators and the results of any action taken by the EPA against the violator.

6. Toxic Release Inventory System (TRIS) - Section 313 of the Emergency Planning and Community Right-to-Know Act (also known as SARA Title III) of the Superfund Amendments and Reauthorization Act (SARA) of 1986 (Public Law 99-499) requires EPA to establish an inventory of toxic chemical emissions from certain facilities. The purpose of Section 313 is to inform the public of the presence of chemicals in their communities and releases of these chemicals into the community.

   The purpose of this reporting requirement is to inform the public and government officials about routine and accidental releases of toxic chemicals to the environment. The reporting requirement applies to owners and operators of facilities that have 10 or more full-time employees that are in Standard Industrial Classification (SIC) codes 20 through 39 (i.e., manufacturing facilities) and that manufacture (including importing), process or otherwise use a listed toxic chemical in excess of specified threshold quantities.

7. Emergency Response Notification System List (ERNS) - The ERNS is a national computer database used to store information on releases of oil and hazardous substances. The ERNS list identifies those facilities and/or locations that have been reported to EPA under the ERNS because of the release of potentially hazardous material.

   The ERNS database is extremely limited in the locational information provided. This database attempts to identify three locations: the location of the spill, the location of the discharge organization, and the location of the individual or organization that reported the spill.

8. Resource Conservation and Recovery Act Index System List (RCRIS) - The RCRIS list reports those facilities and/or locations that are handling, storing or transporting hazardous substances or waste. Due to the activities relating to the handling of hazardous substances or waste, these sites possess the potential for environmental contamination. Inclusion on RCRIS does not necessarily indicate contamination but rather the potential due to the presence and handling of hazardous substances.

9. Florida Sites List (FSL) - The FSL is closely associated with the CERCLIS list and identifies facilities and/or locations that the Florida Department of Environmental Protection has recognized with potential or existing environmental contamination.

10. Solid Waste Facilities (SWF) - The SWF List is concerned with the handling of solid waste. The presence of a site on this list does not necessarily indicate existing environmental contamination but rather the potential.

11. Leaking Underground Storage Tanks (LUST) - The LUST database is concerned with petroleum storage systems and includes facilities and/or locations that have reported the possible release of contaminants.

12. Stationary Tank Inventory System List (STI) - The Florida Administrative Code requires the registration of underground and above-ground stationary petroleum storage tanks. Inclusion on this list indicates the presence of stationary petroleum storage tanks and therefore the potential for environmental problems.

Site reconnaissance activities of the S.R. 679 (Pinellas Bayway) project site included a review of:

- Structures
- Potential sources of surface contamination
- Potential sources of airborne contamination
- Potential sources of waterborne contamination
- Tenant activities and general conditions

The assignment of a risk priority was based on the existence of hazardous materials or petroleum products and the potential of the material/product to be encountered during proposed roadway expansion activities. The rating system developed by the FDOT as part of the PD&E process, expresses the likelihood that hazardous material or petroleum products exist and the potential impact on roadway construction.

The hazardous material rating system is divided into four (4) degrees of risk as defined by the FDOT in the PD&E manual. These include no risk, low, medium and high potential for risk. Each risk rating is defined below:

No Risk After review of all available information, there is noting 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.) indicate problems should not be expected. Examples of operations that may receive this ranking 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 retail 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".

Low Risk 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.

Medium Risk 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 groundwater, 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 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.

High Risk 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

High Risk (cont.) contamination and the need for remedial action. A recommendation must be included for what further assessment is required. This would also be the case where the analyst "strongly suspects contamination" at the site. Conducting the actual Contamination Assessment is not expected to begin until alignment is defined; however, circumstances may require additional screening assessment (i.e. collection 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.

Section 6.0
EVALUATION OF PROJECT EFFECTS AND SITES EVALUATED

6.1 LAND USE

Land use in the vicinity of the S.R. 679 (Pinellas Bayway Structure E) project site consists primarily of commercial uses with some residential areas and the Gulf Intracoastal Waterway. This project site presently occupies approximately 1.093 miles with various types of commercial usage and is bordered to the north by Bahia Del Mar Boulevard and to the south by Madonna Boulevard. Boca Ciega Bay is currently located on the east and western portion of the project site.

6.2 SITE RECONNAISANCE

A walking/driving site reconnaissance was conducted of the project area starting from the southern end of the project area moving toward the north end of the project area. The project area is bounded to the east and west by commercial and residential properties. Where possible, photographs were taken to document site conditions and/or potential environmental concerns. Photographs of the potential contamination sites with brief descriptions and corresponding station markers are included in **Appendix B**.

A walking site reconnaissance was conducted along the S.R. 679 (Pinellas Bay Structure E) project site. Evidence of aboveground storage tanks (ASTs) and/or underground storage tanks (USTs) were observed primarily south of the bridge along the project site. Most of these tanks are located just west of the right-of-way and are used for vehicle fueling and marina fueling.

The developed sites along the project corridor are generally located from Station 255 to Station 278. Surface water at these developed sites is directed toward catch basins in the paved areas. The catch basins are generally located in their paved parking areas at various locations along the corridor. No retention ponds were observed immediately adjacent to the subject corridor. Additionally, no pits, ponds, lagoons, landfills, chemically stressed vegetation, or other similar items which may pose a potential environmental concern to the project corridor were observed during the onsite reconnaissance.

Overhead power lines are present on the west side of S.R. 679 (Pinellas Bay Structure E). Pole mounted transformers are also located along the west side of S.R. 679 (Pinellas Bay Structure E). No signs of leaks or staining were noted on or around any of the

transformers. No labels identifying polychlorinated biphenyl (PCB) containing oils were observed.

6.3 SITE INTERVIEWS

On February 8, 2006, Ernest Roggelin, Environmental Manager, Pinellas CHD-Engineering, was interviewed with regard to the UST locations at the combined Texaco-Tierra Verde Marina and BP station. Mr. Roggelin confirmed there is one UST located at the BP station and 2 USTs associated with the marina and they are both listed under the same Facility ID No. 528630856.

On March 29, 2006, Debra (would not provide last name), owner of Sun & Mood Dry Cleaners, located at 24 Madonna Boulevard was interviewed. Debra indicated that she has been the business owner for approximately the last 7 years. She further indicated that the facility is only used for drop off and has had no active drycleaning operations.

On March 30, 2006, Bill Mylchrest, Harbor Master, at the Tierra Verde Resort located at 200 Madonna Boulevard was interviewed. Bill has been working at the resort since the mid 1990's. Bill indicated that in the late 1950's a portion of the property was used as an unimproved landing strip with no associated facilities. The location for this landing strip would have been to the east of the existing road in the vicinity of Station 255 to approximately Station 265. Bill indicated that he obtained this information from an old photograph he once had hanging in his office.

There was an attempt to interview the Bridge Tender on three occasions during the morning of March 30, 2006 to no avail.

6.4 CITY DIRECTORY REVIEWS

The following City Directories were reviewed: Polk-St. Petersburg City directories dated 2003, 1998, 1993, 1990 and the Polk-St. Petersburg Suburban directories dated 1988-87, 1981, 1976, 1971, 1967, 1965, 1064, and 1963. The area of the subject corridor was not listed in the Polk's Suburban directories prior to 1964 and was not included in the Polk City Directories prior to 1998. In general, commercial development along the subject roadway corridor dates back to the mid-1960's and is located to the west of the roadway from station 268 to Station 278. The multifamily development along the subject corridor dates back to the late 1960's.

Based upon review of the city directories a gas station facility, located at 150 Pinellas Bayway, has been a gas station since at least 1964: with facilities listings such as Pure Oil Plaza gas Station (1964), Pure Service Plaza (1965), and the 7-Eleven Food Store, since 1971. Jiffy Cleaners was identified at 24 Madonna Boulevard, currently Sun & Mood Dry Cleaners, in the 1971 city directory. Listings for Texaco-Tierra Verde Marina, Deltona Corporation, located at 100 Pinellas Bayway, date back to 1964 and are listed as the Tierra Verde Shopping Center or as vacant. Listing for the Tierra Verde Marina, located at 200 Madonna Boulevard, date back to 1965, with facility names such as Port

O'Call Inn (1965, 1965 and 1971), Port O'Call Yacht Club (1976), Tierra Verde Marina (1981) and Tierra Verde Yacht Club/Island Resort (1987, 1988).

6.5 AERIAL PHOTOGRAPH REVIEW

Aerial photographs for the years **2000, 1997, 1994, 1984, 1980, 1979, 1973, 1971, 1968, 1965, 1957, 1951, 1946** and **1921** were obtained from the Pinellas County Public Works – Pinellas Aerial Image Retrieval System to check for visual evidence of land use activities that may indicate a potential adverse environmental impact upon the project corridor. The south portion of the project site is considered the areas known as The Village and Entrada. The north portion of the project site is considered the area known as Isla Del Sol. Based upon our review, the following observations are provided:

2000 The project site and adjacent properties appear similar to the way they do today.

1997 The project site and adjacent properties appear similar to the way they do in 1994.

1994 In the south portion of the project site, the Tierra Verde Resort Marina is present immediately south 150 Pinellas Bayway. Tierra Verde Marina Shopping Plaza, Sandbar Waterfront Restaurant, Tierra Verde Hi & Dry Boat Storage and Tierra Verde Boat Club are present at 100 Pinellas Bayway. The Village at Tierra Verde, residential units, is present along 1st Street East. In the north portion of the project site, the Vista Verde residential units are in place to the east of Pinellas Bayway and north of Bahia Del Mar Boulevard.

1984 The project site and adjacent properties appear similar to the way they do in 1980.

1980 The south portion of the project site and adjacent properties appear similar to the way they do in 1973. In the north portion, Bahia Del Mar Boulevard, west of Pinellas Bayway, and Palma Del Mar Boulevard, east of Pinellas Bayway, are present. Residential buildings, known today in 2006 as Bahia Del Mar, are present south of Bahia Del Mar Boulevard. The streets and golf course are in place for the Vista Verde residential neighborhood. Residential buildings, known today in 2006 as Palma Del Mar, are present south and east of Palma Del Mar Boulevard.

1979 The project site and adjacent properties appear similar to the way they do in 1973.

1973 The north portion of the project site and adjacent properties appear similar to the way they do in 1971. In the south portion, two (2) roads extend north off of 1st Street East and parallel to Pinellas Bayway. Pinellas Bayway is a 4-lane boulevard.

1971 The project site and adjacent properties appear similar to the way they do in 1968.

1968 The project site and adjacent properties appear similar to the way they do in 1965.

1965 The north portion is undeveloped land with very little vegetation, no structures are present. The south portion is undeveloped to the east of Pinellas Bayway. Madonna Boulevard and 1st Street East are present. The western side has several structures in place. The structure known today in 2006 as Tierra Verde Hotel Island Resort is present. A building is located at 150 Pinellas Bayway. A large L-shaped building with three hexagonal shaped roofs appears at 110 Pinellas Bayway.

1957 The land associated with the project corridor from Station 279 to Station 335 is not present and appears to be under water. Aerial photographs from Station 255 to Station 279 were not available for review.

1951 The land associated with this project corridor is not present, appears to be underwater.

1942 The land associated with this project corridor is not present, appears to be underwater.

1926 The land associated with this project corridor is not present, appears to be underwater.

6.6 REGULATORY RESEARCH

A total of 5 parcels located on or in the immediate vicinity of the S.R. 679 (Pinellas Bayway) project site were evaluated. A listing of the sites evaluated along with the site's assigned number, hazard ranking, facility address, facility identification number, and the type of activity encountered on-site is provided in **Table 6-1**. A summary of all sites which currently or previously had registered petroleum USTs active on-site is contained in **Table 6-2**. Information regarding the status of the USTs and the size and type of fuels stored within the USTs are also noted in **Table 6-2**. A parcel location map is provided in **Figure 6-1.**

The sites were evaluated based on interviews with persons knowledgeable about the individual sites, and inquiries to city, county and state regulatory agencies, as referenced in Section 6.3. In addition, database research was obtained in the form of an Environmental FirstSearch™ Report prepared by the FirstSearch™ Technology Corporation. A copy of the database research prepared for the S.R. 679 (Pinellas Bayway) project site may be found in **Appendix C**.

Upon completion of the initial evaluation for each of the 5 parcels, a site hazard ranking was established for all parcels evaluated. Of the 5 sites, 2 sites were given a hazard

ranking of high risk and 3 were given a hazard ranking of medium risk. The location of the medium and high risk sites are illustrated in the **Figure 6-1**.

TABLE 6-1
SITE RANKING INFORMATION

Site No.	Rank	Site Name and Address	Activity	Comment	Distance from Proposed Center Line (ft)	Approximate Station
1	Med	Tierra Verde Resort & Marina 200 Madonna Boulevard (FDEP Facility ID No. 528945262)	Registered UST Site, Open	No discharge reported. Recent notices of violation reported by Pinellas County	95	268+50
2	High	7-Eleven Food Store #29301 150 Pinellas Bayway South (FDEP Facility ID No. 528736151)	Registered UST Site, Leaking UST, Open	2 reported petroleum discharges, 2nd discharge eligible for funding, Limited cleanup activities due to low score	145	270+50
3	Med	Deltona Corporation Pinellas Boulevard and Madonna Boulevard	Registered UST Site, Closed	No discharge reported, Facility closed, Closure report unavailable	180	278+00
4	Med	Texaco-Tierra Verde Marina/BP Station 100 Pinellas Bayway (FDEP Facility ID. No. 528630856)	Registered UST Site, Leaking UST Site, Open	2 Discharges: 1990 and 1993 No Further Action Order issued 11/19/1993	95	278+00, 273+00
5	High	Tierra Verde Bridge (Structure E, Bridge Number 150049)	Rehabilitation and/or Replacement	PCBs, lead paint, and asbestos concerns associated with disposal	60	285+00

Notes: No. = Number
FDEP = Florida Department of Environmental Protection
ID = identification
Med = Medium
UST = Underground storage tank
PCB = poly chlorinated biphenyl's

TABLE 6-2
SUMMARY OF REGISTERED STORAGE TANKS

Site No.	Approximate Station	Site Name and Address	FDEP ID	Status	Tanks Registered	Tank Volume & Contents
1	268+50	Tierra Verde Resort & Marina 200 Madonna Boulevard	528945262	Open	3	1 - 10,000 g vehicular diesel 1 - 10,000 g unleaded gas 1 - 6000 g unleaded gas
2	270+50	7-Eleven Food Store #29301 150 Pinellas Bayway South	528763151	Open	2	2 - 10,000 g unleaded gas 3 - 10,000 g unleaded gas removed from site
3	278+00	Deltona Corporation Pinellas Bayway and Madonna Boulevard	528732229	Closed	0	8 USTs removed from site
4	273+00	BP Station 100 Pinellas Bayway	528630856	Open	1	1 - 16,000 g unleaded gas
4	278+50	Texaco-Tierra Verde Marina 100 Pinellas Bayway	528630856	Open	3	1 - 6,000 g unleaded gas 1 - 6,000 g vehicular diesel 1 - 16,000 g unleaded gas

Notes: No. = number
FDEP = Florida Department of Environmental Protection
UST = underground storage tank
g = gallons

S.R. 679 (Pinellas Bayway Structure E) at Intracoastal Waterway
Bridge No: 150049
Pinellas County, Florida
Potential Contamination Sites

WPI Segment No: 410755-1

Figure 6-1

The facility given a hazard ranking of high risk (7-Eleven Food Store # 29301) is located at 150 Pinellas Bayway of the project corridor and has 2 documented historical petroleum discharges that may have adversely impacted the project site. Similarly the Tierra Verde Bridge (Bridge Number 150049) was assigned a hazard ranking of high risk based on the potential lead paint, PCB, and asbestos containing material that may be associated with rehabilitation and/or disposal of the bascule bridge. The Deltona Corporation facility located at Madonna Boulevard and Pinellas Bayway was given a hazard ranking of medium risk since it reportedly had 8 petroleum USTs installed in the 1960s. Although the USTs were reportedly removed, a medium risk was assigned because the closure reports were not available for review to indicate whether or not petroleum impacted soil and/or groundwater was encountered during removal of the USTs. The Texaco-Tierra Verde Marina/BP Station facility located at 100 Pinellas Bayway was given a hazard ranking of medium risk. The facility has had documented historical petroleum discharges at the Texaco portion, which received a No Further Action Order (NFAO) in 1993. However, due to the ongoing use of petroleum at the BP and Texaco stations and the approximate 13 year duration since the NFAO was issued, a medium risk ranking was warranted. Similarly, due to the ongoing use of petroleum at the Tierra Verde Resort Marina and recent reports of UST compliance violations, this site was assigned a hazard ranking of **Medium** risk.

Further information pertaining to the sites assigned a risk hazard ranking can be found within **Table 6-1** and **Table 6-2**. Additional information obtained during review of regulatory files for many of the sites evaluations may be found in **Appendix D.** All of this information was provided by either Pinellas County or the FDEP. The following is a brief description of the sites assigned a hazard ranking of medium or high risk:

Tierra Verde Resort & Marina - 200 Madonna Boulevard (Site No. 1) – MEDIUM RISK – This facility is located on the southern portion of the project site on west side of Pinellas Bayway at station marker 268+50. The facility is registered with the FDEP as Facility ID No. 528945262. This is an active facility that consists of 1 - 6,000 gallon UST and 2 - 10,000 gallon USTs. There have been no reported petroleum discharges at this facility. An enforcement request was filed by the Pinellas County Health Department on September 6, 2005 for unresolved violations related to the unavailability of release detection records. Similarly, on May 19, 2005, Pinellas County Health Department issued a letter requesting information to ensure that the facility was in compliance. Due to the ongoing use of petroleum at the site and recent reports of violations, this site was assigned a hazard ranking of **Medium** risk.

7-Eleven Food Store #29301 – 150 Pinellas Bayway (Site No. 2) – HIGH RISK – This facility is located on the southern portion of the project site on the west side of Pinellas Bayway at station marker 270+50. The facility is registered with the FDEP as Facility ID No. 528763151. An initial petroleum discharge notification form was filed with the FDEP for a discharge that occurred on November 29, 1988. A second petroleum discharge notification form was filed on February 22, 1993. The second discharge was determined eligible for State funded cleanup assistance under the FDEP's Early Detection Incentive (EDI) program. On October 5, 2006, Shaw Environmental, Inc. (Shaw) upgraded the three (3) single-walled USTs with two (2) double-walled USTs.

During UST replacement activities, 462 tons of contaminated soil was excavated and sent to Kleensoil in Palmetto, Florida for thermal treatment. The Engineering Division of Pinellas County Health Department reviewed the November 4, 2006 Tank Closure Report submitted by Shaw and noted that their letter "does not certify that the site is clean. The agency understands that petroleum contamination has been previously reported which will require cleanup activities in accordance with the petroleum contamination site cleanup criteria Rule 62-770 FAC." Additionally, it does not appear that any site assessment activities have been completed to determine the extent of contamination at this facility. Although the site has been assigned a low score of 11, the score is not reflective of the level of contamination. The score assigned by FDEP is based on the proximity of nearby potable wells. Currently, site with scores greater than 37 are eligible for state assisted funding for assessment and remediation. Based on this information, this facility was assigned a hazard ranking of **High** risk.

Deltona Corporation - Pinellas Bayway and Madonna Boulevard (Site No. 3) – MEDIUM RISK- This facility was located on the southern portion of the project site and is no longer present. Based on the City Directory Review, this site was located at 100 Pinellas Bayway or at the current Texaco-Tierra Verde location. The facility is registered with the FDEP as Facility ID No. 528732229 with an address listed as Pinellas Bayway and Madonna Boulevard, approximate station marker 278+00. Six - 4,000 gallon USTs that stored leaded gas and 2 - 4,000 gallon USTs that stored waste oil were removed in June 1984. Although there have been no reported petroleum discharges at this facility, no tank closure report was available for review in the FDEP's Oculus database and Pinellas County Health Department - Engineering. Due to the lack of a tank closure report indicating whether or not petroleum impacted soil and/or groundwater was encountered during closure of the 8 USTs, this site was assigned a hazard ranking of **Medium** risk.

Texaco-Tierra Verde Marina and BP Station - 100 Pinellas Bayway (Site No. 4) – MEDIUM RISK – This facility is located on the southern portion of the project site on the west side of Pinellas Bayway at station marker 273+00 to 279+00. The facility is registered with the FDEP as Facility ID No. 528630856. The facility consists of 2 stations, the BP station is a retail store with a Euro style 16,000 gallon UST, and the Texaco station services the marina with 2 - 6,000 gallon USTs. A petroleum discharge notification form was filed with the FDEP for a discharge that occurred on July 13, 1990 due to an overfill during delivery. A second discharge notification form was filed on July 21, 1993, due to the discovery of petroleum contaminated soil around the fill pipes. The two discharge events were combined and a NFAO was issued on November 19, 1993. However, due to the ongoing use of petroleum at the BP and Texaco stations, and the duration of time (approximately 14 years) since the NFAO was received, a **Medium** risk ranking was warranted.

Tierra Verde Bridge (Bridge Number 150049) – (Site No. 5) – HIGH RISK – Bascule bridges contain transformers that have the potential to leak oil. The oil, in some cases, may contain the hazardous material known as poly chlorinated biphenyls (PCB). An FDOT memorandum and a United States Environmental Protection Agency letter, included in Appendix D, identified PCB laden oil in leaking transformers on two bascule

bridges. In addition to PCBs, lead paint and asbestos were common construction or finishing materials used on these bridges.

Section 7.0
SUMMARY OF FINDINGS AND RECOMMENDATIONS

Information was obtained through observations made during on-site visits, interviews, review of City Directories, and review of the database information obtained from the FirstSearch™, FDEP and Pinellas County. A total of 5 sites were reviewed in detail, and based upon the information obtained, the following conclusions and recommendations were made:

- Land use in the vicinity of the S.R. 679 (Pinellas Bayway Structure E) project site consists primarily of commercial uses with some residential areas and Gulf Intracoastal Waterway.

- Of the 5 sites reviewed for the S.R. 679 (Pinellas Bayway Structure E) project corridor, 3 sites received a MEDIUM risk ranking and 2 sites received a HIGH risk ranking.

- Based on the commercial and residential use of the Pinellas Bayway project site, there is a possibility that unregistered petroleum ASTs/USTs containing heating oil and/or other petroleum products may have been used on this site in the past. There is also a possibility that some unregistered USTs may still be present beneath the site. If an UST is uncovered during construction activities, an environmental professional should be contacted immediately to evaluate the presence of petroleum contamination and to ensure that any contaminated soil or groundwater encountered is properly handled and disposed of.

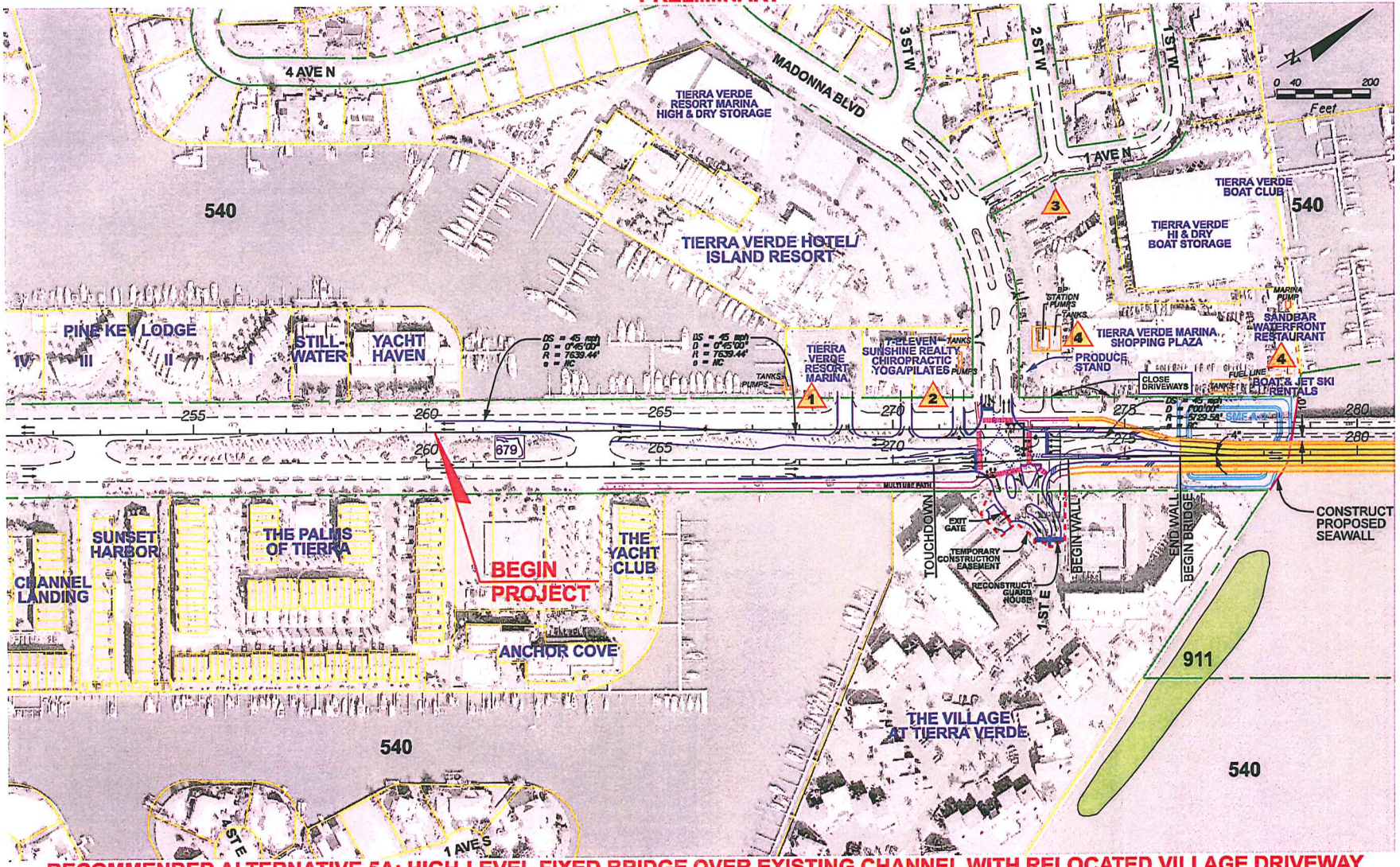
- Additional environmental assessment activities are warranted at Sites No.'s 1 through 4, which were assigned a medium or high risk. The additional assessment activities should consist of soil and groundwater testing, and is recommended prior to construction to determine the potential impact of these facilities upon the proposed construction activities.

- An asbestos and lead paint survey is recommended for the Tierra Verde Bridge (Bridge Number 150049), Site No. 5, which was assigned a high risk.

APPENDIX A
ALTERNATIVE CONCEPT PLANS

PRELIMINARY

FLIGHT DATE: MAY 7, 2005



RECOMMENDED ALTERNATIVE 5A: HIGH-LEVEL FIXED BRIDGE OVER EXISTING CHANNEL WITH RELOCATED VILLAGE DRIVEWAY

- 300 BASELINE SURVEY/ CENTERLINE OF CONSTRUCTION
- PARCEL LINES
- EXISTING EDGE OF PAVEMENT
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- PROPOSED EDGE OF PAVEMENT
- PROPOSED BRIDGE
- PROPOSED BARRIER/RETAINING WALL
- PROPOSED SIDEWALK
- 612 FLUCFC CODES
- WETLANDS
- SEAGRASS
- SMF A-2 RECOMMENDED ALTERNATIVE POND SITES
- POTENTIAL CONTAMINATION SITE
- PROPOSED TRAFFIC SIGNAL

PBSJ
5300 West Cypress Street
Suite 200
Tampa, Florida 33607-1768
(813) 282-7275

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
S.R. 679	PINELLAS	410755-1-22-01

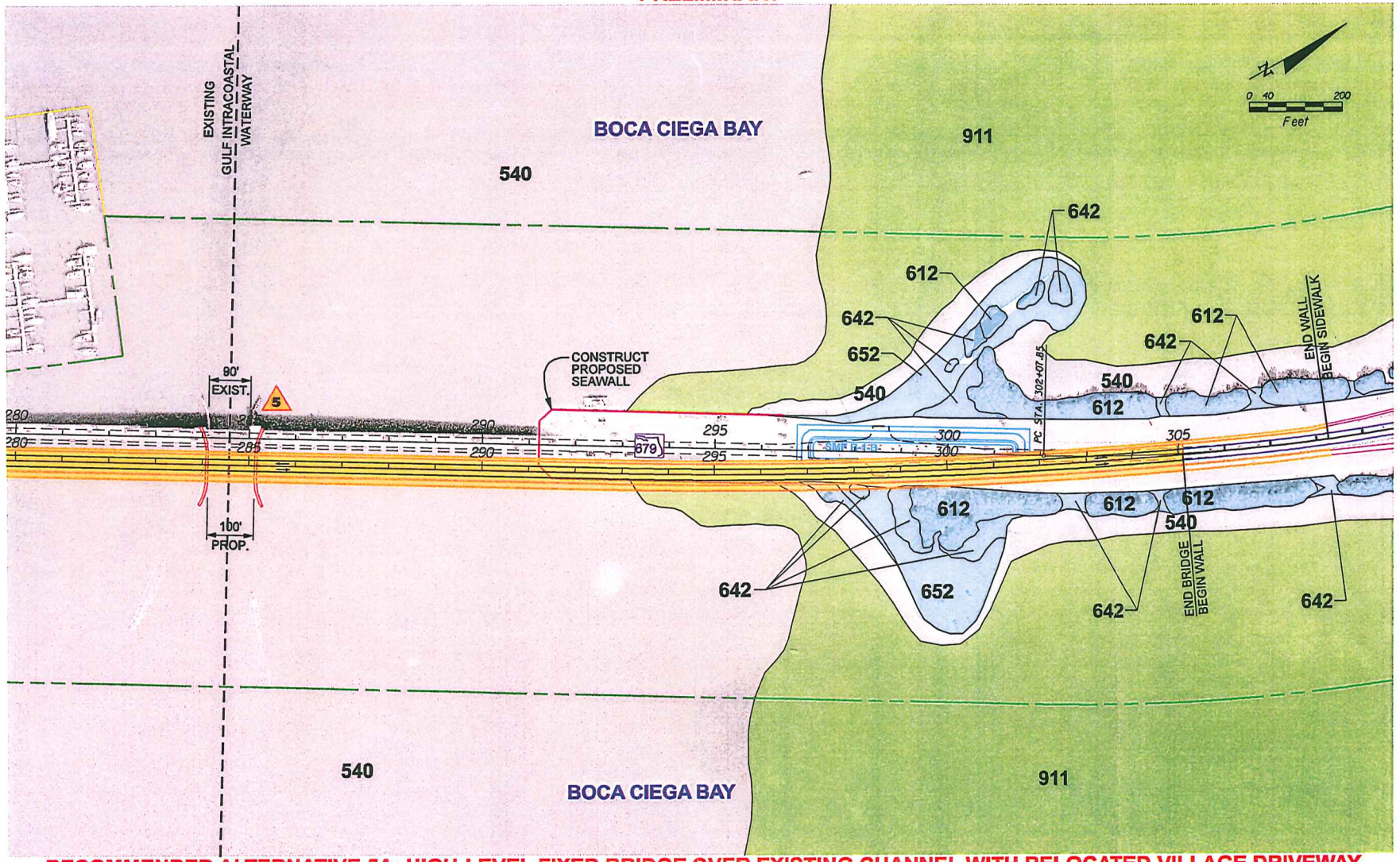
S.R. 679 (PINELLAS BAYWAY STRUCTURE E) AT INTRACOASTAL WATERWAY
CONCEPT PLANS

SHEET NO. 1

USER: fsoto 06/25/2008 8:29 AM P:\Projects\V001\0\SR 679-#0003\CADD\Plan_Roll\L01.dgn

PRELIMINARY

FLIGHT DATE: MAY 7, 2005



RECOMMENDED ALTERNATIVE 5A: HIGH-LEVEL FIXED BRIDGE OVER EXISTING CHANNEL WITH RELOCATED VILLAGE DRIVEWAY

300 BASELINE SURVEY/ CENTERLINE OF CONSTRUCTION
PARCEL LINES
EXISTING EDGE OF PAVEMENT
EXISTING RIGHT-OF-WAY
PROPOSED RIGHT-OF-WAY
PROPOSED EDGE OF PAVEMENT
PROPOSED BRIDGE
PROPOSED BARRIER/RETAINING WALL
PROPOSED SIDEWALK
612 FLUCFCS CODES
WETLANDS
SEAGRASS
SMF A-2 RECOMMENDED ALTERNATIVE POND SITES
POTENTIAL CONTAMINATION SITE
PROPOSED TRAFFIC SIGNAL

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5300 West Cypress Street
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Tampa, Florida 33607-1768
(813) 282-7275

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
S.R. 679	PINELLAS	410755-1-22-01

S.R. 679 (PINELLAS BAYWAY STRUCTURE E) AT INTRACOASTAL WATERWAY
CONCEPT PLANS

SHEET NO. 2

PRELIMINARY

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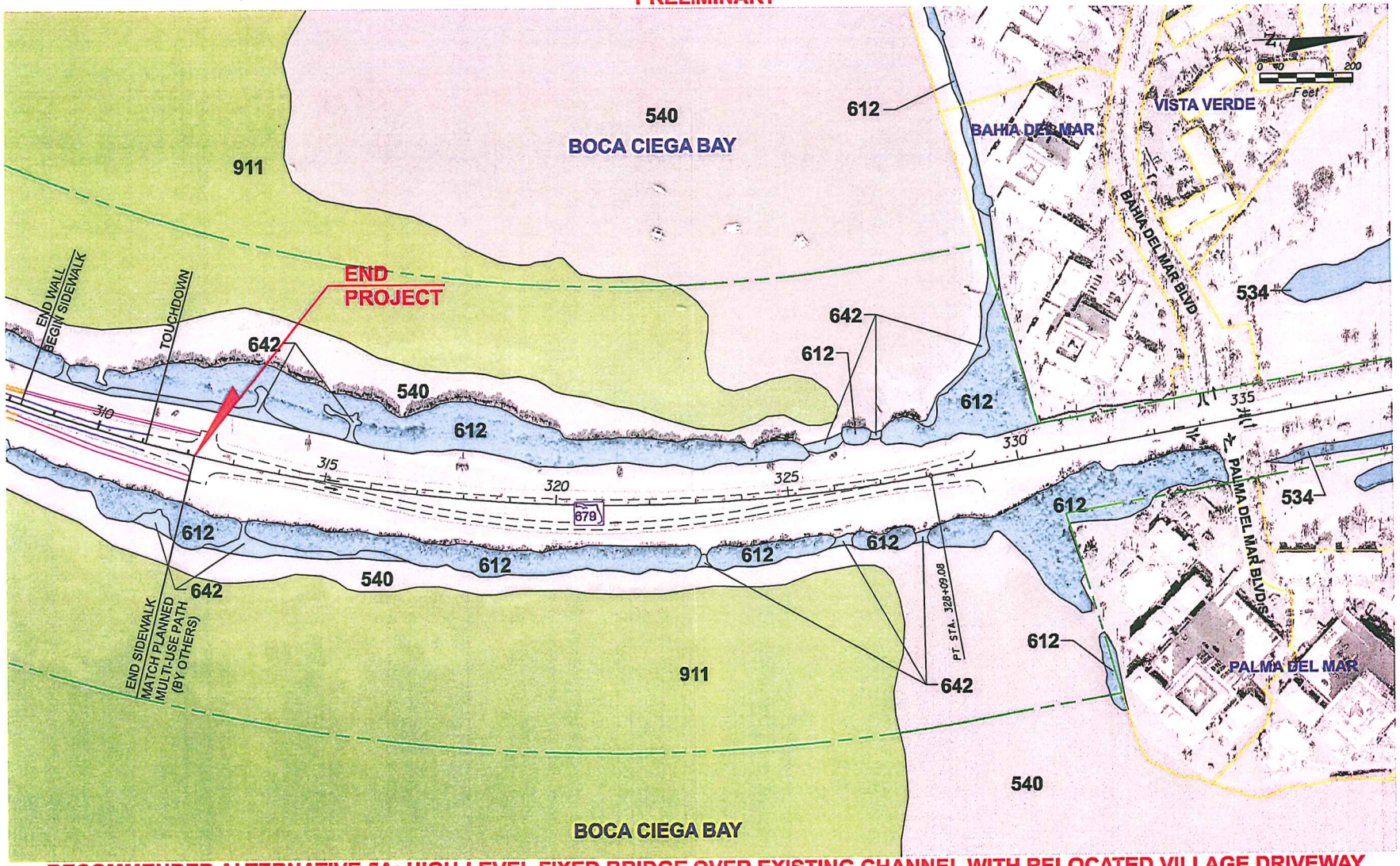


RECOMMENDED ALTERNATIVE 5A: HIGH-LEVEL FIXED BRIDGE OVER EXISTING CHANNEL WITH RELOCATED VILLAGE DRIVEWAY

300 BASELINE SURVEY/ CENTERLINE OF CONSTRUCTION
PARCEL LINES
EXISTING EDGE OF PAVEMENT
EXISTING RIGHT-OF-WAY
PROPOSED RIGHT-OF-WAY
PROPOSED EDGE OF PAVEMENT
PROPOSED BRIDGE
PROPOSED BARRIER/RETAINING WALL
PROPOSED SIDEWALK
612 FLUCFC CODES
WETLANDS
SEAGRASS
SMF A-2 RECOMMENDED ALTERNATIVE POND SITES
POTENTIAL CONTAMINATION SITE
PROPOSED TRAFFIC SIGNAL

PBS&J
5300 West Cypress Street
Suite 200
Tampa, Florida 33607-1768
(813) 282-7275

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

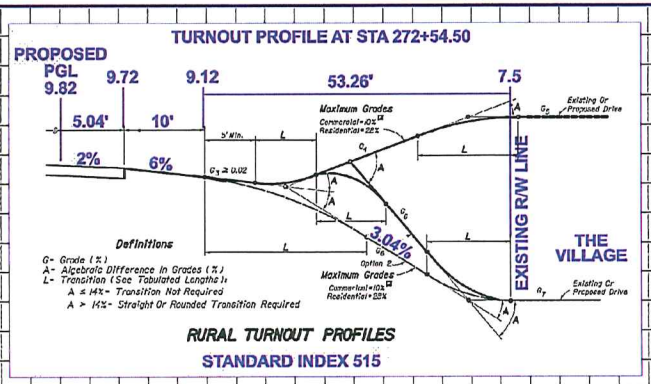
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
S.R. 679	PINELLAS	410755-1-22-01

S.R. 679 (PINELLAS BAYWAY STRUCTURE E) AT INTRACOASTAL WATERWAY
CONCEPT PLANS

SHEET NO. 3

PRELIMINARY

GRADE UP	GRADE DOWN	MAX. ELEV.	BRIDGE LENGTH
6%	5%	90.05'	2889.11'



RECOMMENDED ALTERNATIVE 5A: HIGH-LEVEL FIXED BRIDGE OVER EXISTING CHANNEL WITH RELOCATED VILLAGE DRIVEWAY

LEGEND

- EXISTING PROFILE
- PROPOSED PROFILE
- RETAINING WALL

PBS&J
5300 West Cypress Street
Suite 200
Tampa, Florida 33607-1768
(813) 282-7275

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
S.R. 679	PINELLAS	410755-1-22-01

S.R. 679 (PINELLAS BAYWAY STRUCTURE E)
AT INTRACOASTAL WATERWAY
HIGH-LEVEL FIXED BRIDGE PROFILE
EXISTING CHANNEL

SHEET NO. 4

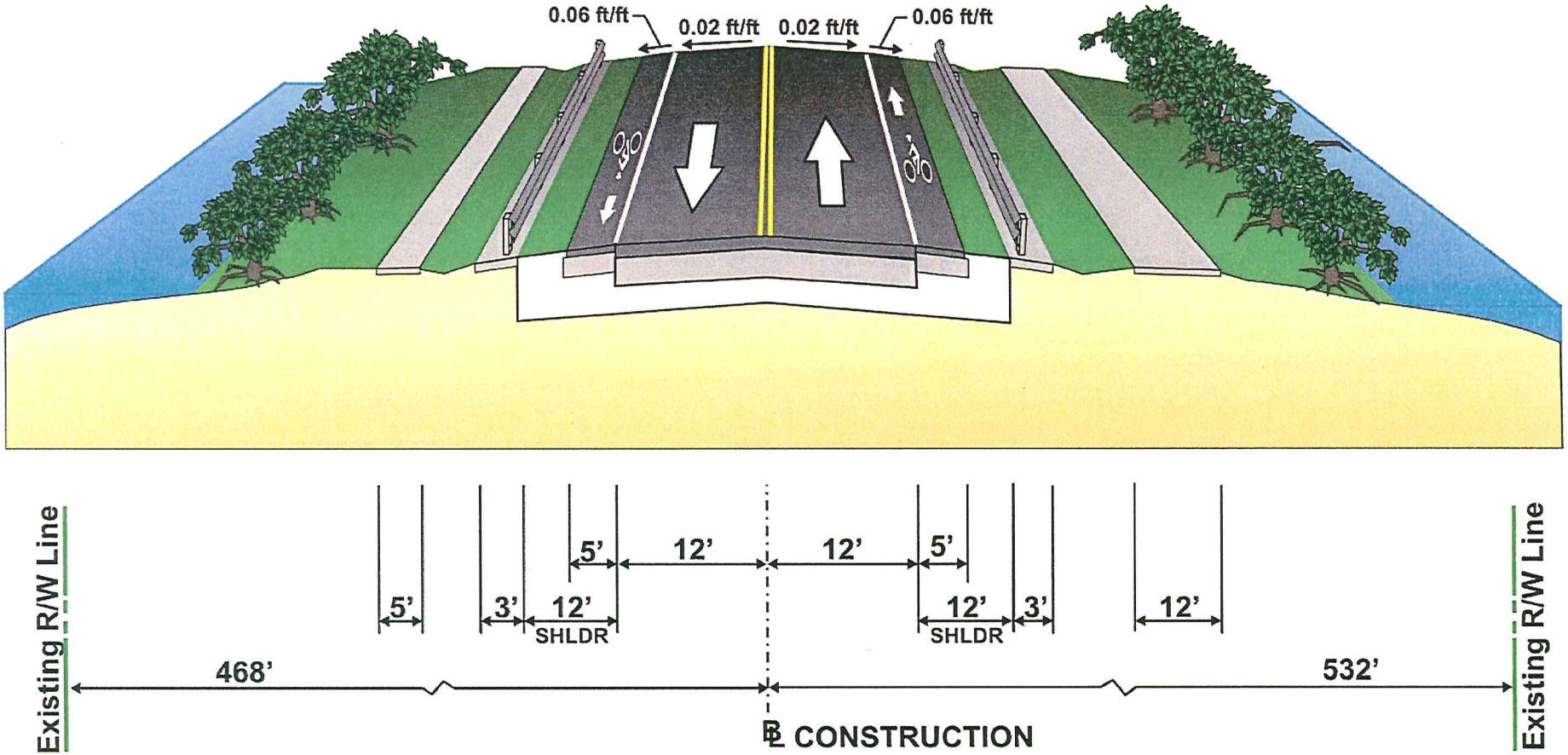
S.R. 679 (Pinellas Bayway Structure E) at Intracoastal Waterway
Bridge No: 150049
Pinellas County, Florida

Proposed Roadway Typical Section

Alternatives 3, 4, 5, & 6 - North of Structure E

WPI Segment No: 410755-1

Figure 8-7



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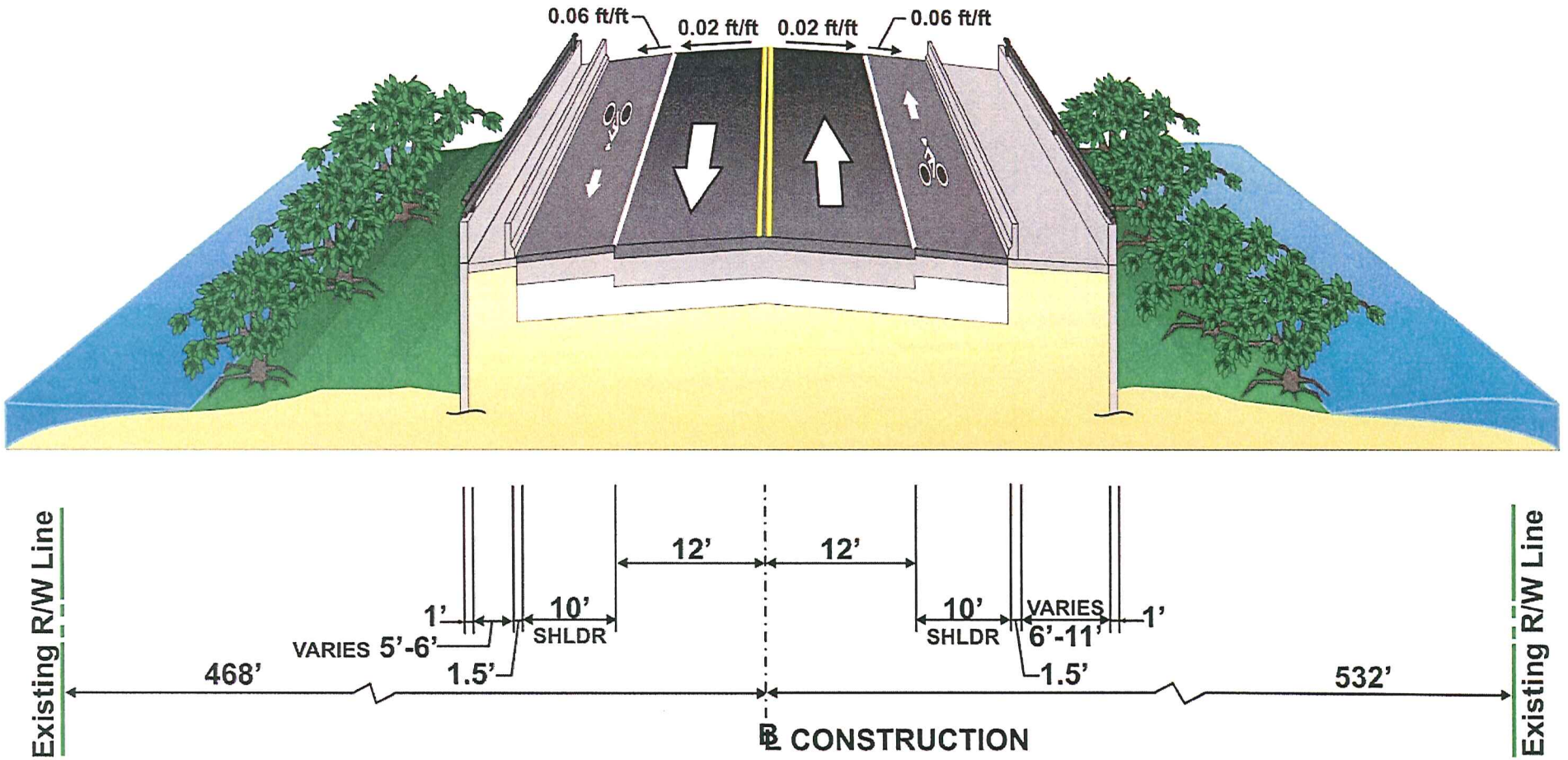
S.R. 679 (Pinellas Bayway Structure E) at Intracoastal Waterway
Bridge No: 150049
Pinellas County, Florida
Proposed Roadway Typical Section
Alternatives 3, 4, 5, & 6 - Northern Approach to Structure E

WPI Segment No: 410755-1

Figure 8-6



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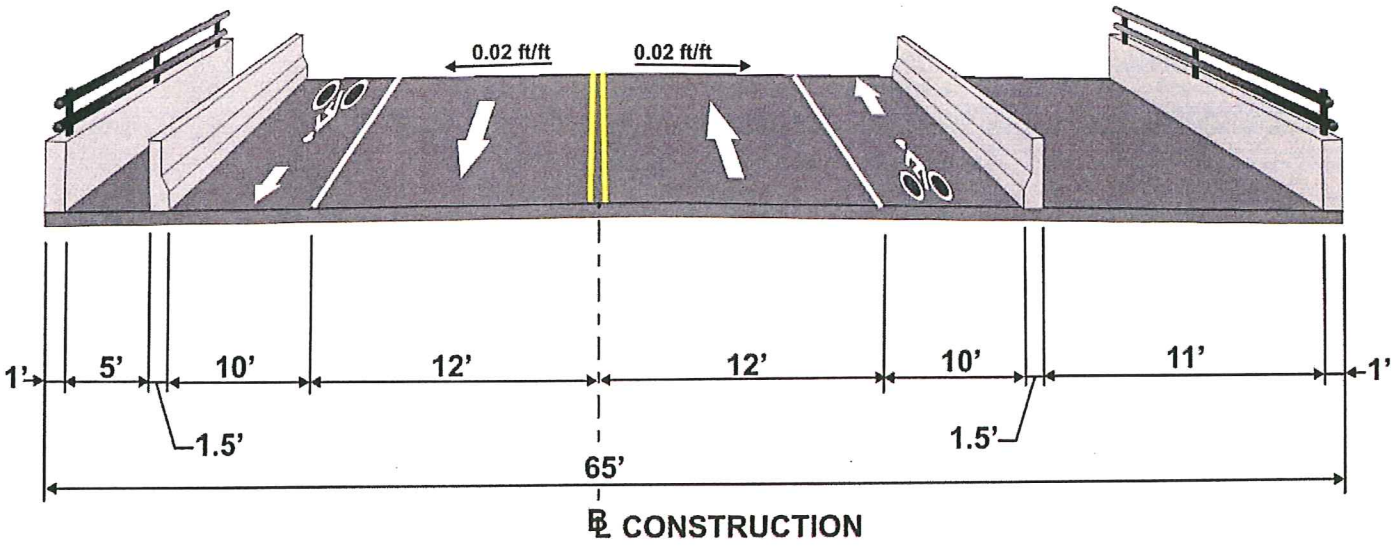
S.R. 679 (Pinellas Bayway Structure E) at Intracoastal Waterway
Bridge No: 150049
Pinellas County, Florida
Proposed Bridge Typical Sections
Alternative 5 - High-Level Fixed Bridge Over Existing Channel
WPI Segment No : 410755-1 **and Alternative 6 - High-Level Fixed Bridge Over Relocated Channel**

Figure 8-9



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APPENDIX B
SITE PHOTOGRAPHS

S.R. 679 (Pinellas Bayway Structure E) At Intercostal Waterway

Bridge No: 150049

Pinellas County, Florida

Site Photographs

WPI Segment No: 410755-1

Photos 1 & 2

Photo 1- View of Tierra Verde Resort & Marina – Site No. 1 – View of adjacent property to the west of S.R. 679 (station 268+50)

Photo 2 – View of Tierra Verde Resort & Marina – Site No. 1 – View of adjacent property (fuel dock) to the west of S.R. 679 (station 268+50)

S.R. 679 (Pinellas Bayway Structure E) At Intercostal Waterway

Bridge No: 150049

Pinellas County, Florida

Site Photographs

WPI Segment No: 410755-1

Photos 3 & 4

Photo 3 – View of Tierra Verde Resort & Marina – Site No. 1 – Close-up view of the dockside fuel pumps (station 268+50)

Photo 4 – View of Tierra Verde Resort & Marina – Site No. 1 – Close-up of monitoring wells and the underground fuel storage tank farm area located west of S.R. 679 (station 268+50)

S.R. 679 (Pinellas Bayway Structure E) At Intercostal Waterway

Bridge No: 150049

Pinellas County, Florida

Site Photographs

WPI Segment No: 410755-1

Photos 5 & 6

Photo 5 - View of 7-11 Food Store No. 29301 – Site No. 2 – View of the pump islands located west of S.R. 679 (station 270+50)

Photo 6 – View of 7-11 Food Store No. 29301 – Site No. 2 – View of the underground fuel storage tank farm area located west of S.R. 679 (station 270+50)

S.R. 679 (Pinellas Bayway Structure E) At Intercostal Waterway

Bridge No: 150049

Pinellas County, Florida

Site Photographs

WPI Segment No: 410755-1

Photos 7 & 8

Photo 7 - View of BP Station, Texaco-Tierra Verde Marina – Site No. 4 – View of adjacent property to the west of S.R. 679 (station 273+00)

Photo 8 – View of BP Station, Texaco-Tierra Verde Marina – Site No. 4 – View of the pump islands located west of S.R. 679 (station 273+00)

S.R. 679 (Pinellas Bayway Structure E) At Intercostal Waterway

Bridge No: 150049

Pinellas County, Florida

Site Photographs

WPI Segment No: 410755-1

Photos 9 & 10

Photo 9 - View of Texaco-Tierra Verde Marina/BP Station – Site No. 4 – View of adjacent property to the west of S.R. 679 (station 273+00 to 278+00)

Photo 10 – View of Texaco-Tierra Verde Marina/BP Station – Site No. 4 – Close-up view of underground fuel storage tank farm located west of S.R. 679 (station 278+00)

S.R. 679 (Pinellas Bayway Structure E) At Intercostal Waterway

Bridge No: 150049

Pinellas County, Florida

Site Photographs

WPI Segment No: 410755-1

Photos 11 & 12

Photo 11 - View of Texaco-Tierra Verde Marina/BP Station – Site No. 4 – Close-up view of underground fuel storage tank farm located west of S.R. 679 (station 278+00)

Photo 12 – View of Texaco-Tierra Verde Marina/BP Station – Site No. 4 – Close-up view of fuel lines located west of S.R. 679 (station 279+00)

S.R. 679 (Pinellas Bayway Structure E) At Intercostal Waterway

Bridge No: 150049

Pinellas County, Florida

Site Photographs

WPI Segment No: 410755-1

Photos 13 & 14

Photo 13 - View of Texaco-Tierra Verde Marina/BP Station – Site No. 4 – Close-up view of fuel valve located west of S.R. 679 (station 279+00)

Photo 14 – View of Texaco-Tierra Verde Marina/BP Station – Site No. 4 – Close-up view of fuel lines located west of S.R. 679 (station 279+00)

S.R. 679 (Pinellas Bayway Structure E) At Intercostal Waterway

Bridge No: 150049

Pinellas County, Florida

Site Photographs

WPI Segment No: 410755-1

Photos 15 & 16

Photo 15 - View of Texaco-Tierra Verde Marina/BP Station – Site No. 4 – Close-up view of pumps located west of S.R. 679 (station 279+00)

Photo 16 – View of Texaco-Tierra Verde Marina/BP Station – Site No. 4 – View of the fuel pumps located west of S.R. 679 (station 281+00)

S.R. 679 (Pinellas Bayway Structure E) At Intercostal Waterway

Bridge No: 150049

Pinellas County, Florida

Site Photographs

WPI Segment No: 410755-1

Photos 17 & 18

Photo 17 - View of Texaco-Tierra Verde Marina/BP Station – Site No. 4 – View of the marina located west of S.R. 679 (station 280+00)

Photo 18 – View of Tierra Verde Bridge (Bridge No. 150049) – Site No. 5 – Facing north along the east side of the bridge (station 285+00)

S.R. 679 (Pinellas Bayway Structure E) At Intercostal Waterway

Bridge No: 150049

Pinellas County, Florida

Site Photographs

WPI Segment No: 410755-1

Photos 19 & 20

Photo 19 - View of Tierra Verde Bridge (Bridge No. 150049) – Site No. 5 – Facing north along the west side of the bridge and utilities (station 285+00)

Photo 20 – View of Tierra Verde Bridge (Bridge No. 150049) – Site No. 5 – View of underside of concrete bridge (station 285+00)

S.R. 679 (Pinellas Bayway Structure E) At Intercostal Waterway

Bridge No: 150049

Pinellas County, Florida

Site Photographs

WPI Segment No: 410755-1

Photo 21

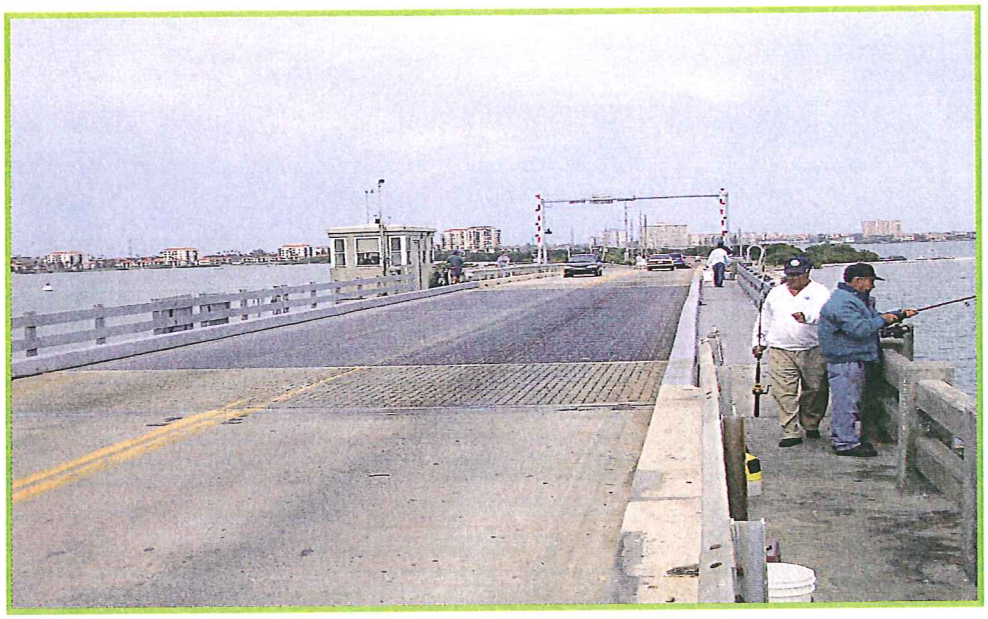

Photo 21 - View of Tierra Verde Bridge (Bridge No. 150049) – Site No. 5 – View of the steel draw bridge (station 285+00)

APPENDIX C
ENVIRONMENTAL FIRST SEARCH DATABASE REPORT

FirstSearch Technology Corporation

Environmental FirstSearch™ Report

TARGET PROPERTY:

PINELLAS BAYWAY

SAINT PETERSBURG FL 33715

Job Number: 040500015

PREPARED FOR:

Nodarse & Associates, Inc.

504 E. Tyler Street

Tampa, FL 33602

www.nodarse.com

01-14-05

Tel: (407) 265-8900

Fax: (407) 265-8904

Environmental FirstSearch
Search Summary Report

Target Site: PINELLAS BAYWAY
SAINT PETERSBURG FL 33715

FirstSearch Summary

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
NPL	Y	09-12-04	0.25	0	0	0	-	-	0	0
CERCLIS	Y	09-13-04	0.25	0	0	0	-	-	0	0
NFRAP	Y	06-23-04	0.25	0	0	0	-	-	0	0
RCRA TSD	Y	09-12-04	0.25	0	0	0	-	-	0	0
RCRA COR	Y	09-12-04	0.25	0	0	0	-	-	0	0
RCRA GEN	Y	09-12-04	0.25	0	0	0	-	-	0	0
ERNS	Y	12-31-03	0.25	1	0	0	-	-	19	20
State Sites	Y	10-19-04	0.25	0	0	0	-	-	0	0
SWL	Y	07-03-03	0.25	0	0	0	-	-	0	0
Other	Y	09-28-04	0.25	0	0	0	-	-	1	1
REG UST/AST	Y	09-28-04	0.25	2	5	4	-	-	1	12
Leaking UST	Y	09-28-04	0.25	1	3	2	-	-	1	7
- TOTALS -				4	8	6	0	0	22	40

Notice of Disclaimer

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to FirstSearch Technology Corp., certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in FirstSearch Technology Corp.'s databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

Waiver of Liability

Although FirstSearch Technology Corp. uses its best efforts to research the actual location of each site, FirstSearch Technology Corp. does not and can not warrant the accuracy of these sites with regard to exact location and size. All authorized users of FirstSearch Technology Corp.'s services proceeding are signifying an understanding of FirstSearch Technology Corp.'s searching and mapping conventions, and agree to waive any and all liability claims associated with search and map results showing incomplete and or inaccurate site locations.

Environmental FirstSearch
Site Information Report

Request Date: 01-14-05
Requestor Name: maureen nichols
Standard: LINEAR

Search Type: LINEAR
Job Number: 040500015

TARGET ADDRESS: PINELLAS BAYWAY
SAINT PETERSBURG FL 33715

Demographics

Sites: 40 **Non-Geocoded:** 22 **Population:** NA
Radon: NA

Site Location

	Degrees (Decimal)	Degrees (Min/Sec)		UTMs
Longitude:	-82.716981	-82:43:1	**Easting:**	330699.835
Latitude:	27.700426	27:42:2	**Northing:**	3065026.791
			Zone:	17

Comment

Comment:PINELLAS BAYWAY, ST. PETERSBURG, FL

Additional Requests/Services

Adjacent ZIP Codes: 0 Mile(s)

ZIP Code	City Name	ST	Dist/Dir	Sel

Services:

	Requested?	Date
Sanborns	No	
Aerial Photographs	No	
Topographical Maps	No	
City Directories	No	
Title Search	No	
Municipal Reports	No	
Online Topos	Yes	01-14-05

Environmental FirstSearch
Sites Summary Report

TARGET SITE: PINELLAS BAYWAY
SAINT PETERSBURG FL 33715

JOB: 040500015
PINELLAS BAYWAY, ST. PETERSBURG, FL

TOTAL: 40 **GEOCODED:** 18 **NON GEOCODED:** 22 **SELECTED:** 0

ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Page No.	Map ID
1	ERNS	562947/UNKNOWN	100 PINELLAS BAYWAY TIERRA VERDE FL 33715	0.00 --	1	1
2	UST	7-ELEVEN FOOD STORE #29301 528736151/OPEN	150 PINELLAS BAYWAY S TIERRA VERDE FL 33715	0.01 NW	2	2
3	UST	DELTONA CORP 528732229/CLOSED	PINELLAS BAYWAY & MADONNA B TIERRA VERDE FL 33715	0.00 --	4	3
4	UST	GULF COAST INVESTMENTS OF TIERRA V 528945262/OPEN	200 MADONNA BLVD TIERRA VERDE FL 33715	0.11 NW	6	4
5	UST	TEXACO-TIERRA VERDE MARINA 528630856/OPEN	100 PINELLAS BAYWAY TIERRA VERDE FL 33715	0.00 --	9	1
6	UST	BAHIA DEL MAR #3 529300666/CLOSED	6291 BAHIA DEL MAR CIRCLE SAINT PETERSBU FL 33715	0.21 SW	11	5
7	UST	BAHIA DEL MAR #3 529300665/OPEN	6294 N BAHIA DEL MAR CIRCLE SAINT PETERSBU FL 33715	0.21 SW	12	6
8	UST	BAHIA DEL MAR CONDOMINIUM #4 529103606/CLOSED	6287 BAHIA DEL MAR CIR SAINT PETERSBU FL 33715	0.22 SW	13	7
9	UST	PALMA DEL MAR BLDG H 529300664/CLOSED	6372 PALMA DEL MAR BLVD SAINT PETERSBU FL 33715	0.07 NE	14	8
10	UST	PALMA DEL MAR BLDG G 529300663/CLOSED	6322 PALMA DEL MAR BLVD SAINT PETERSBU FL 33715	0.10 NE	15	9
11	UST	ST PETERSBURG CITY-LIFT STAT #35 528733668/CLOSED	HWY 682 & HWY 693 SW SAINT PETERSBU FL 33715	0.01 NE	16	10
12	UST	ISLA DEL SOL-GOLF & LANDSCAPE 528630952/CLOSED	6501 PINELLAS BAYWAY S SAINT PETERSBU FL 33715	0.18 NW	17	11
13	LUST	7-ELEVEN FOOD STORE #29301 528736151/OPEN	150 PINELLAS BAYWAY S TIERRA VERDE FL 33715	0.01 NW	19	2
14	LUST	TEXACO-TIERRA VERDE MARINA 528630856/OPEN	100 PINELLAS BAYWAY TIERRA VERDE FL 33715	0.00 --	21	1
15	LUST	BAHIA DEL MAR CONDOMINIUM #4 529103606/CLOSED	6287 BAHIA DEL MAR CIR SAINT PETERSBU FL 33715	0.22 SW	23	7
16	LUST	PALMA DEL MAR BLDG G 529300663/CLOSED	6322 PALMA DEL MAR BLVD SAINT PETERSBU FL 33715	0.10 NE	24	9
17	LUST	ST PETERSBURG CITY-LIFT STAT #35 528733668/CLOSED	HWY 682 & HWY 693 SW SAINT PETERSBU FL 33715	0.01 NE	25	10
18	LUST	ISLA DEL SOL-GOLF & LANDSCAPE 528630952/CLOSED	6501 PINELLAS BAYWAY S SAINT PETERSBU FL 33715	0.18 NW	27	11

Environmental FirstSearch
Sites Summary Report

TARGET SITE: PINELLAS BAYWAY
SAINT PETERSBURG FL 33715

JOB: 040500015
PINELLAS BAYWAY, ST. PETERSBURG, FL

TOTAL: 40 **GEOCODED:** 18 **NON GEOCODED:** 22 **SELECTED:** 0

ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Page No.	Map ID
19	ERNS	AVIATION FUEL INC 632153/HIGHWAY RELATED	ROUTE 686 OFFRAMP TO I-275 SAINT PETERSBU FL	NON GC	N/A	
20	ERNS	BIG BAYOU NRC-620526/VESSEL	SAINT PETERSBU FL	NON GC	N/A	
21	ERNS	COUNTY AUTO PAINTS 102963/UNKNOWN	SAINT PETERSBU FL	NON GC	N/A	
22	ERNS	EGP INC. 54340/UNKNOWN	DIRECTLY BEHIND EGP INC. BU SAINT PETERSBU FL	NON GC	N/A	
23	ERNS	EMORY 629717/HIGHWAY RELATED	INTERSTATE 275 SOUTH AT EXI SAINT PETERSBU FL	NON GC	N/A	
24	ERNS	MARSHALL LAWN CARE SERVICE 69550/UNKNOWN	SAINT PETERSBU FL	NON GC	N/A	
25	ERNS	OLD TAMPA BAY NRC-588603/PIPELINE	SAINT PETERSBU FL	NON GC	N/A	
26	ERNS	UNITED STATES GOLD 52075/UNKNOWN	SAINT PETERSBU FL	NON GC	N/A	
27	ERNS	UNKNOWN 66618/UNKNOWN	BRUSH SITE ON 62ND AVE NORT SAINT PETERSBU FL	NON GC	N/A	
28	ERNS	UNKNOWN 111112/UNKNOWN	BOAT RAMP IS BEHIND THE SEA SAINT PETERSBU FL	NON GC	N/A	
29	ERNS	320/UNKNOWN	SAINT PETERSBU FL	NON GC	N/A	
30	ERNS	50184/UNKNOWN	NEAR CORNER OF 3RD ST SOUTH SAINT PETERSBU FL	NON GC	N/A	
31	ERNS	130454/UNKNOWN	SCOTTY S LUMBER YARD 22ND S SAINT PETERSBU FL	NON GC	N/A	
32	ERNS	51545/UNKNOWN	JUNCTION OF HIGHWAY 19 AND SAINT PETERSBU FL	NON GC	N/A	
33	ERNS	275796/UNDERGROUND STORAGE	US HWY 41 SOUTH 6000 TAMIAM SAINT PETERSBU FL	NON GC	N/A	
34	ERNS	101855/UNKNOWN	TRASH COMPACTOR NEAR LOADIN SAINT PETERSBU FL	NON GC	N/A	
35	ERNS	453603/HIGHWAY RELATED	25 AVE N SAINT PETERSBU FL	NON GC	N/A	
36	ERNS	222516/FIXED FACILITY	8300 34TH STREET NORTH, ON SAINT PETERSBU FL	NON GC	N/A	
37	ERNS	65437/UNKNOWN	SAINT PETERSBU FL	NON GC	N/A	
38	OTHER	33715/CATTLE VATS	SAINT PETERSBU FL 33715	NON GC	N/A	

Environmental FirstSearch
Sites Summary Report

TARGET SITE: PINELLAS BAYWAY
SAINT PETERSBURG FL 33715

JOB: 040500015
PINELLAS BAYWAY, ST. PETERSBURG, FL

TOTAL: 40 **GEOCODED:** 18 **NON GEOCODED:** 22 **SELECTED:** 0

ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Page No.	Map ID
39	UST	SHELL TANKER SPILL 529801820/CLOSED	I-275 EXIT 15 NW QUADRANT SAINT PETERSBU FL	NON GC	N/A	
40	LUST	SHELL TANKER SPILL 529801820	I-275 EXIT 15 NW QUADRANT SAINT PETERSBU FL	NON GC	N/A	

Environmental FirstSearch
Site Detail Report

TARGET SITE: PINELLAS BAYWAY
SAINT PETERSBURG FL 33715

JOB: 040500015
PINELLAS BAYWAY, ST. PETERSBURG, FL

EMERGENCY RESPONSE NOTIFICATION SITE

SEARCH ID: 1 **DIST/DIR:** 0.00 -- **MAP ID:** 1

NAME:
ADDRESS: 100 PINELLAS BAYWAY
TIERRA VERDE FL 33715
CONTACT:

REV:
ID1: 562947
ID2:
STATUS: UNKNOWN
PHONE:

CERCLIS (Y/N):

MAT: OIL: DIESEL **QUANT:** 30 GALLONS

LOCATION: 100 PINELLAS BAYWAY
CITY: ST. PETE FL 33708 **REPORTED:** 12/26/97

SOURCE: UNKNOWN **MEDIUM:** WATER
M/V TURK HAVEN / DURING FUEL TRANSFER BILGE FILLED WITH DIESEL AND PUMPCAME O
CAUSE: UNKNOWN
N RELEASING DIESEL INTO WATER

ACT: BOOMS DEPLOYED AROUND VESSEL / SHEEN GOING OUT WITH TIDE / CLEAN
BY:

Environmental FirstSearch
Site Detail Report

TARGET SITE: PINELLAS BAYWAY
SAINT PETERSBURG FL 33715

JOB: 040500015
PINELLAS BAYWAY, ST. PETERSBURG, FL

REGISTERED UNDERGROUND STORAGE TANKS

SEARCH ID: 2 **DIST/DIR:** 0.01 NW **MAP ID:** 2

NAME:	7-ELEVEN FOOD STORE #29301	**REV:**	9/28/04
ADDRESS:	150 PINELLAS BAYWAY S	**ID1:**	528736151
	TIERRA VERDE FL 33715	**ID2:**	8736151.00
	PINELLAS	**STATUS:**	OPEN
CONTACT:	WILLO SMITH/ENVIRONMENTAL MGR	**PHONE:**	(407) 532-2039

SITE INFORMATION

TOTAL NUMBER OF TANKS: 3

FACILITY TYPE: A - RETAIL STATION
DEP CO: N

TANK INFORMATION

TANK ID:	1	**STATUS:**	OPEN
TVI:	TANK	**DEP CO:**	N
INSTALLED:	01-OCT-1987	**STAT DATE:**	
TK STAT:	U - IN SERVICE		
CAPACITY(GAL):	10000		
CONTENT:	B - UNLEADED GAS		
PLACE:	UNDERGROUND		
TYPE:	A - RETAIL STATION		

TANK ID:	2	**STATUS:**	OPEN
TVI:	TANK	**DEP CO:**	N
INSTALLED:	01-OCT-1987	**STAT DATE:**	
TK STAT:	U - IN SERVICE		
CAPACITY(GAL):	10000		
CONTENT:	B - UNLEADED GAS		
PLACE:	UNDERGROUND		
TYPE:	A - RETAIL STATION		

TANK ID:	3	**STATUS:**	OPEN
TVI:	TANK	**DEP CO:**	N
INSTALLED:	01-OCT-1987	**STAT DATE:**	
TK STAT:	U - IN SERVICE		
CAPACITY(GAL):	10000		
CONTENT:	B - UNLEADED GAS		
PLACE:	UNDERGROUND		
TYPE:	A - RETAIL STATION		

1	A - BALL CHECK VALVE
1	E - FIBERGLASS
1	M - SPILL CONTAINMENT BUCKET
1	N - FLOW SHUT-OFF
1	O - TIGHT FILL
1	P - LEVEL GAUGES/ALARMS

- Continued on next page -

Environmental FirstSearch
Site Detail Report

TARGET SITE: PINELLAS BAYWAY
SAINT PETERSBURG FL 33715

JOB: 040500015
PINELLAS BAYWAY, ST. PETERSBURG, FL

REGISTERED UNDERGROUND STORAGE TANKS

SEARCH ID: 2 **DIST/DIR:** 0.01 NW **MAP ID:** 2

NAME: 7-ELEVEN FOOD STORE #29301
ADDRESS: 150 PINELLAS BAYWAY S
TIERRA VERDE FL 33715
PINELLAS
CONTACT: WILLO SMITH/ENVIRONMENTAL MGR

REV: 9/28/04
ID1: 528736151
ID2: 8736151.00
STATUS: OPEN
PHONE: (407) 532-2039

2	A - BALL CHECK VALVE
2	E - FIBERGLASS
2	M - SPILL CONTAINMENT BUCKET
2	N - FLOW SHUT-OFF
2	O - TIGHT FILL
2	P - LEVEL GAUGES/ALARMS
3	A - BALL CHECK VALVE
3	E - FIBERGLASS
3	M - SPILL CONTAINMENT BUCKET
3	N - FLOW SHUT-OFF
3	O - TIGHT FILL
3	P - LEVEL GAUGES/ALARMS

PIPING INFORMATION

TANK ID:	DESCRIPTION:
1	J - PRESSURIZED PIPING SYSTEM
1	K - DISPENSER LINERS
1	M - DOUBLE WALL - PIPE JACKET
1	N - APPROVED SYNTHETIC MATERIAL
2	J - PRESSURIZED PIPING SYSTEM
2	K - DISPENSER LINERS
2	M - DOUBLE WALL - PIPE JACKET
2	N - APPROVED SYNTHETIC MATERIAL
3	J - PRESSURIZED PIPING SYSTEM
3	K - DISPENSER LINERS
3	M - DOUBLE WALL - PIPE JACKET
3	N - APPROVED SYNTHETIC MATERIAL

MONITORING INFORMATION

TANK ID:	DESCRIPTION:
1	1 - CONTINUOUS ELECTRONIC SENSING
1	2 - VISUAL INSPECT PIPE SUMPS
1	4 - VISUAL INSPECT DISPENSER LINERS
1	H - MECHANICAL LINE LEAK DETECTOR
1	L - AUTOMATIC TANK GAUGING - USTS
2	1 - CONTINUOUS ELECTRONIC SENSING
2	2 - VISUAL INSPECT PIPE SUMPS
2	4 - VISUAL INSPECT DISPENSER LINERS
2	H - MECHANICAL LINE LEAK DETECTOR
2	L - AUTOMATIC TANK GAUGING - USTS
3	1 - CONTINUOUS ELECTRONIC SENSING
3	2 - VISUAL INSPECT PIPE SUMPS
3	4 - VISUAL INSPECT DISPENSER LINERS
3	H - MECHANICAL LINE LEAK DETECTOR
3	L - AUTOMATIC TANK GAUGING - USTS

Environmental FirstSearch
Site Detail Report

TARGET SITE: PINELLAS BAYWAY
SAINT PETERSBURG FL 33715

JOB: 040500015
PINELLAS BAYWAY, ST. PETERSBURG, FL

REGISTERED UNDERGROUND STORAGE TANKS

SEARCH ID: 3 **DIST/DIR:** 0.00 -- **MAP ID:** 3

NAME: DELTONA CORP
ADDRESS: PINELLAS BAYWAY & MADONNA BLVD
TIERRA VERDE FL 33715
CONTACT: KENNY ZIMBRO

REV: 9/28/04
ID1: 528732229
ID2: 8732229.00
STATUS: CLOSED
PHONE: (904) 347-1271

SITE INFORMATION

TOTAL NUMBER OF TANKS: 8

FACILITY TYPE: C - FUEL USER/NON-RETAIL
DEP CO: N

TANK INFORMATION

TANK ID: 1 **STATUS:** CLOSED
TVI: TANK **DEP CO:** N
INSTALLED: 01-MAY-1960 **STAT DATE:** 30-JUN-1984

TK STAT: B - REMOVED
CAPACITY(GAL): 550
CONTENT: L - WASTE OIL
PLACE: UNDERGROUND
TYPE: C - FUEL USER/NON-RETAIL

TANK ID: 2 **STATUS:** CLOSED
TVI: TANK **DEP CO:** N
INSTALLED: 01-OCT-1962 **STAT DATE:** 30-JUN-1984

TK STAT: B - REMOVED
CAPACITY(GAL): 550
CONTENT: L - WASTE OIL
PLACE: UNDERGROUND
TYPE: C - FUEL USER/NON-RETAIL

TANK ID: 3 **STATUS:** CLOSED
TVI: TANK **DEP CO:** N
INSTALLED: 01-MAR-1966 **STAT DATE:** 30-JUN-1984

TK STAT: B - REMOVED
CAPACITY(GAL): 3000
CONTENT: A - LEADED GAS
PLACE: UNDERGROUND
TYPE: C - FUEL USER/NON-RETAIL

TANK ID: 4 **STATUS:** CLOSED
TVI: TANK **DEP CO:** N
INSTALLED: 01-MAR-1962 **STAT DATE:** 30-JUN-1984

TK STAT: B - REMOVED
CAPACITY(GAL): 4000

- Continued on next page -

Environmental FirstSearch
Site Detail Report

TARGET SITE: PINELLAS BAYWAY
SAINT PETERSBURG FL 33715

JOB: 040500015
PINELLAS BAYWAY, ST. PETERSBURG, FL

REGISTERED UNDERGROUND STORAGE TANKS

SEARCH ID: 3 **DIST/DIR:** 0.00 -- **MAP ID:** 3

NAME: DELTONA CORP
ADDRESS: PINELLAS BAYWAY & MADONNA BLVD
TIERRA VERDE FL 33715
CONTACT: KENNY ZIMBRO

REV: 9/28/04
ID1: 528732229
ID2: 8732229.00
STATUS: CLOSED
PHONE: (904) 347-1271

CONTENT: A - LEADED GAS
PLACE: UNDERGROUND
TYPE: C - FUEL USER/NON-RETAIL

TANK ID: 5 **STATUS:** CLOSED
TVI: TANK **DEP CO:** N
INSTALLED: 01-OCT-1962 **STAT DATE:** 30-JUN-1984

TK STAT: B - REMOVED
CAPACITY(GAL): 4000
CONTENT: A - LEADED GAS
PLACE: UNDERGROUND
TYPE: C - FUEL USER/NON-RETAIL

TANK ID: 6 **STATUS:** CLOSED
TVI: TANK **DEP CO:** N
INSTALLED: 01-OCT-1962 **STAT DATE:** 30-JUN-1984

TK STAT: B - REMOVED
CAPACITY(GAL): 4000
CONTENT: A - LEADED GAS
PLACE: UNDERGROUND
TYPE: C - FUEL USER/NON-RETAIL

TANK ID: 7 **STATUS:** CLOSED
TVI: TANK **DEP CO:** N
INSTALLED: 01-FEB-1963 **STAT DATE:** 30-JUN-1984

TK STAT: B - REMOVED
CAPACITY(GAL): 4000
CONTENT: A - LEADED GAS
PLACE: UNDERGROUND
TYPE: C - FUEL USER/NON-RETAIL

TANK ID: 8 **STATUS:** CLOSED
TVI: TANK **DEP CO:** N
INSTALLED: 01-MAR-1966 **STAT DATE:** 30-JUN-1984

TK STAT: B - REMOVED
CAPACITY(GAL): 4000
CONTENT: A - LEADED GAS
PLACE: UNDERGROUND
TYPE: C - FUEL USER/NON-RETAIL

TARGET SITE: PINELLAS BAYWAY
SAINT PETERSBURG FL 33715

JOB: 040500015
PINELLAS BAYWAY, ST. PETERSBURG, FL

REGISTERED UNDERGROUND STORAGE TANKS

SEARCH ID: 4 **DIST/DIR:** 0.11 NW **MAP ID:** 4

NAME:	GULF COAST INVESTMENTS OF TIERRA VERDE INC	**REV:**	9/28/04
ADDRESS:	200 MADONNA BLVD	**ID1:**	528945262
	TIERRA VERDE FL 33715	**ID2:**	8945262.00
	PINELLAS	**STATUS:**	OPEN
CONTACT:	RONALD COWELL	**PHONE:**	(727) 867-0400

SITE INFORMATION

TOTAL NUMBER OF TANKS: 6

FACILITY TYPE: V - MARINE/COASTAL FUELING LOCATION
DEP CO: N

TANK INFORMATION

TANK ID:	1	**STATUS:**	OPEN
TVI:	TANK	**DEP CO:**	N
INSTALLED:		**STAT DATE:**	31-AUG-1989
TK STAT:	B - REMOVED		
CAPACITY(GAL):	888		
CONTENT:	Y - UNKNOWN/NOTREPORTED		
PLACE:	UNDERGROUND		
TYPE:	V - MARINE/COASTAL FUELING LOCATION		

TANK ID:	2	**STATUS:**	OPEN
TVI:	TANK	**DEP CO:**	N
INSTALLED:		**STAT DATE:**	31-AUG-1989
TK STAT:	B - REMOVED		
CAPACITY(GAL):	888		
CONTENT:	Y - UNKNOWN/NOTREPORTED		
PLACE:	UNDERGROUND		
TYPE:	V - MARINE/COASTAL FUELING LOCATION		

TANK ID:	3	**STATUS:**	OPEN
TVI:	TANK	**DEP CO:**	N
INSTALLED:		**STAT DATE:**	31-AUG-1989
TK STAT:	B - REMOVED		
CAPACITY(GAL):	888		
CONTENT:	Y - UNKNOWN/NOTREPORTED		
PLACE:	UNDERGROUND		
TYPE:	V - MARINE/COASTAL FUELING LOCATION		

TANK ID:	4	**STATUS:**	OPEN
TVI:	TANK	**DEP CO:**	N
INSTALLED:	01-SEP-1989	**STAT DATE:**	
TK STAT:	U - IN SERVICE		
CAPACITY(GAL):	10000		

- Continued on next page -

TARGET SITE: PINELLAS BAYWAY
SAINT PETERSBURG FL 33715

JOB: 040500015
PINELLAS BAYWAY, ST. PETERSBURG, FL

REGISTERED UNDERGROUND STORAGE TANKS

SEARCH ID: 4 **DIST/DIR:** 0.11 NW **MAP ID:** 4

NAME: GULF COAST INVESTMENTS OF TIERRA VERDE INC
ADDRESS: 200 MADONNA BLVD
TIERRA VERDE FL 33715
PINELLAS
CONTACT: RONALD COWELL

REV: 9/28/04
ID1: 528945262
ID2: 8945262.00
STATUS: OPEN
PHONE: (727) 867-0400

CONTENT: D - VEHICULAR DIESEL
PLACE: UNDERGROUND
TYPE: V - MARINE/COASTAL FUELING LOCATION

TANK ID: 5 **STATUS:** OPEN
TVI: TANK **DEP CO:** N
INSTALLED: 01-SEP-1989 **STAT DATE:**

TK STAT: U - IN SERVICE
CAPACITY(GAL): 10000
CONTENT: B - UNLEADED GAS
PLACE: UNDERGROUND
TYPE: V - MARINE/COASTAL FUELING LOCATION

TANK ID: 6 **STATUS:** OPEN
TVI: TANK **DEP CO:** N
INSTALLED: 01-SEP-1989 **STAT DATE:**

TK STAT: U - IN SERVICE
CAPACITY(GAL): 6000
CONTENT: B - UNLEADED GAS
PLACE: UNDERGROUND
TYPE: V - MARINE/COASTAL FUELING LOCATION

4	A - BALL CHECK VALVE
4	F - FIBERGLASS CLAD STEEL
4	M - SPILL CONTAINMENT BUCKET
4	N - FLOW SHUT-OFF
4	O - TIGHT FILL
5	A - BALL CHECK VALVE
5	F - FIBERGLASS CLAD STEEL
5	M - SPILL CONTAINMENT BUCKET
5	N - FLOW SHUT-OFF
5	O - TIGHT FILL
6	A - BALL CHECK VALVE
6	F - FIBERGLASS CLAD STEEL
6	M - SPILL CONTAINMENT BUCKET
6	N - FLOW SHUT-OFF
6	O - TIGHT FILL

PIPING INFORMATION

TANK ID:	DESCRIPTION:
4	C - FIBERGLASS
4	J - PRESSURIZED PIPING SYSTEM
4	K - DISPENSER LINERS
5	C - FIBERGLASS

- Continued on next page -

TARGET SITE: PINELLAS BAYWAY
SAINT PETERSBURG FL 33715

JOB: 040500015
PINELLAS BAYWAY, ST. PETERSBURG, FL

REGISTERED UNDERGROUND STORAGE TANKS

SEARCH ID: 4 **DIST/DIR:** 0.11 NW **MAP ID:** 4

NAME: GULF COAST INVESTMENTS OF TIERRA VERDE INC
ADDRESS: 200 MADONNA BLVD
TIERRA VERDE FL 33715
PINELLAS
CONTACT: RONALD COWELL

REV: 9/28/04
ID1: 528945262
ID2: 8945262.00
STATUS: OPEN
PHONE: (727) 867-0400

5	J - PRESSURIZED PIPING SYSTEM
5	K - DISPENSER LINERS
6	C - FIBERGLASS
6	J - PRESSURIZED PIPING SYSTEM
6	K - DISPENSER LINERS

MONITORING INFORMATION

TANK ID:	DESCRIPTION:
4	2 - VISUAL INSPECT PIPE SUMPS
4	4 - VISUAL INSPECT DISPENSER LINERS
4	B - SITE SUITABILITIY PLAN EXEMPTION
4	H - MECHANICAL LINE LEAK DETECTOR
4	N - GROUNDWATER MONITORING
5	2 - VISUAL INSPECT PIPE SUMPS
5	4 - VISUAL INSPECT DISPENSER LINERS
5	B - SITE SUITABILITIY PLAN EXEMPTION
5	H - MECHANICAL LINE LEAK DETECTOR
5	N - GROUNDWATER MONITORING
6	2 - VISUAL INSPECT PIPE SUMPS
6	4 - VISUAL INSPECT DISPENSER LINERS
6	B - SITE SUITABILITIY PLAN EXEMPTION
6	H - MECHANICAL LINE LEAK DETECTOR
6	N - GROUNDWATER MONITORING

TARGET SITE: PINELLAS BAYWAY
SAINT PETERSBURG FL 33715

JOB: 040500015
PINELLAS BAYWAY, ST. PETERSBURG, FL

REGISTERED UNDERGROUND STORAGE TANKS

SEARCH ID: 5 **DIST/DIR:** 0.00 -- **MAP ID:** 1

NAME: TEXACO-TIERRA VERDE MARINA
ADDRESS: 100 PINELLAS BAYWAY
TIERRA VERDE FL 33715
PINELLAS
CONTACT: JEFF CAVANAGH

REV: 9/28/04
ID1: 528630856
ID2: 8630856.00
STATUS: OPEN
PHONE: (813) 866-0255

SITE INFORMATION

TOTAL NUMBER OF TANKS: 3

FACILITY TYPE: V - MARINE/COASTAL FUELING LOCATION
DEP CO: N

TANK INFORMATION

TANK ID: 1 **STATUS:** OPEN
TVI: TANK **DEP CO:** N
INSTALLED: 01-DEC-1985 **STAT DATE:**

TK STAT: U - IN SERVICE
CAPACITY(GAL): 6000
CONTENT: B - UNLEADED GAS
PLACE: UNDERGROUND
TYPE: V - MARINE/COASTAL FUELING LOCATION

TANK ID: 2 **STATUS:** OPEN
TVI: TANK **DEP CO:** N
INSTALLED: 01-DEC-1985 **STAT DATE:**

TK STAT: U - IN SERVICE
CAPACITY(GAL): 6000
CONTENT: D - VEHICULAR DIESEL
PLACE: UNDERGROUND
TYPE: V - MARINE/COASTAL FUELING LOCATION

TANK ID: 3 **STATUS:** OPEN
TVI: TANK **DEP CO:** N
INSTALLED: 01-OCT-1993 **STAT DATE:**

TK STAT: U - IN SERVICE
CAPACITY(GAL): 16000
CONTENT: B - UNLEADED GAS
PLACE: UNDERGROUND
TYPE: V - MARINE/COASTAL FUELING LOCATION

1 F - FIBERGLASS CLAD STEEL
1 M - SPILL CONTAINMENT BUCKET
1 N - FLOW SHUT-OFF
1 O - TIGHT FILL
2 F - FIBERGLASS CLAD STEEL
2 M - SPILL CONTAINMENT BUCKET

- Continued on next page -

TARGET SITE: PINELLAS BAYWAY
SAINT PETERSBURG FL 33715

JOB: 040500015
PINELLAS BAYWAY, ST. PETERSBURG, FL

REGISTERED UNDERGROUND STORAGE TANKS

SEARCH ID: 5 **DIST/DIR:** 0.00 -- **MAP ID:** 1

NAME: TEXACO-TIERRA VERDE MARINA
ADDRESS: 100 PINELLAS BAYWAY
TIERRA VERDE FL 33715
PINELLAS
CONTACT: JEFF CAVANAGH

REV: 9/28/04
ID1: 528630856
ID2: 8630856.00
STATUS: OPEN
PHONE: (813) 866-0255

2	N - FLOW SHUT-OFF
2	O - TIGHT FILL
3	F - FIBERGLASS CLAD STEEL
3	I - DOUBLE WALL
3	L - COMPARTMENTED
3	M - SPILL CONTAINMENT BUCKET
3	N - FLOW SHUT-OFF
3	O - TIGHT FILL

PIPING INFORMATION

TANK ID:	DESCRIPTION:
1	C - FIBERGLASS
1	F - DOUBLE WALL
1	J - PRESSURIZED PIPING SYSTEM
1	K - DISPENSER LINERS
2	C - FIBERGLASS
2	F - DOUBLE WALL
2	J - PRESSURIZED PIPING SYSTEM
2	K - DISPENSER LINERS
3	B - STEEL/GALVANIZED METAL
3	G - PIPE TRENCH LINER
3	J - PRESSURIZED PIPING SYSTEM
3	K - DISPENSER LINERS

MONITORING INFORMATION

TANK ID:	DESCRIPTION:
1	2 - VISUAL INSPECT PIPE SUMPS
1	4 - VISUAL INSPECT DISPENSER LINERS
1	H - MECHANICAL LINE LEAK DETECTOR
1	K - MONITOR DBL WALL PIPE SPACE
1	S - STATISTICAL INVENTORY RECONCILE
2	2 - VISUAL INSPECT PIPE SUMPS
2	4 - VISUAL INSPECT DISPENSER LINERS
2	H - MECHANICAL LINE LEAK DETECTOR
2	K - MONITOR DBL WALL PIPE SPACE
2	S - STATISTICAL INVENTORY RECONCILE
3	2 - VISUAL INSPECT PIPE SUMPS
3	4 - VISUAL INSPECT DISPENSER LINERS
3	F - MONITOR DBL WALL TANK SPACE
3	H - MECHANICAL LINE LEAK DETECTOR
3	K - MONITOR DBL WALL PIPE SPACE
3	L - AUTOMATIC TANK GAUGING - USTS
3	S - STATISTICAL INVENTORY RECONCILE

Environmental FirstSearch
Site Detail Report

TARGET SITE: PINELLAS BAYWAY
SAINT PETERSBURG FL 33715

JOB: 040500015
PINELLAS BAYWAY, ST. PETERSBURG, FL

REGISTERED UNDERGROUND STORAGE TANKS

SEARCH ID: 6 **DIST/DIR:** 0.21 SW **MAP ID:** 5

NAME: BAHIA DEL MAR #3
ADDRESS: 6291 BAHIA DEL MAR CIRCLE
SAINT PETERSBURG FL 33715
CONTACT:

REV: 9/28/04
ID1: 529300666
ID2: 9300666.00
STATUS: CLOSED
PHONE: (727) 864-6468

SITE INFORMATION

TOTAL NUMBER OF TANKS: 1

FACILITY TYPE: C - FUEL USER/NON-RETAIL
DEP CO: N

TANK INFORMATION

TANK ID: 1
TVI: TANK
INSTALLED: 01-JUL-1984

STATUS: CLOSED
DEP CO: N
STAT DATE: 12-APR-1999

TK STAT: B - REMOVED
CAPACITY(GAL): 500
CONTENT: G - EMERG GENERATOR DIESEL
PLACE: UNDERGROUND
TYPE: C - FUEL USER/NON-RETAIL

TARGET SITE: PINELLAS BAYWAY
SAINT PETERSBURG FL 33715

JOB: 040500015
PINELLAS BAYWAY, ST. PETERSBURG, FL

REGISTERED UNDERGROUND STORAGE TANKS

SEARCH ID: 7 **DIST/DIR:** 0.21 SW **MAP ID:** 6

NAME: BAHIA DEL MAR #3
ADDRESS: 6294 N BAHIA DEL MAR CIRCLE
SAINT PETERSBURG FL 33715
PINELLAS
CONTACT:

REV: 9/28/04
ID1: 529300665
ID2: 9300665.00
STATUS: OPEN
PHONE: (727) 864-6468

SITE INFORMATION

TOTAL NUMBER OF TANKS: 2

FACILITY TYPE: C - FUEL USER/NON-RETAIL
DEP CO: N

TANK INFORMATION

TANK ID: 1 **STATUS:** OPEN
TVI: TANK **DEP CO:** N
INSTALLED: 01-JUL-1982 **STAT DATE:** 12-APR-1999

TK STAT: B - REMOVED
CAPACITY(GAL): 500
CONTENT: G - EMERG GENERATOR DIESEL
PLACE: UNDERGROUND
TYPE: C - FUEL USER/NON-RETAIL

TANK ID: 2 **STATUS:** OPEN
TVI: TANK **DEP CO:** N
INSTALLED: 01-JUN-1995 **STAT DATE:** 01-JUN-1995

TK STAT: U - IN SERVICE
CAPACITY(GAL): 150
CONTENT: G - EMERG GENERATOR DIESEL
PLACE: ABOVEGROUND
TYPE: C - FUEL USER/NON-RETAIL

TARGET SITE: PINELLAS BAYWAY
SAINT PETERSBURG FL 33715

JOB: 040500015
PINELLAS BAYWAY, ST. PETERSBURG, FL

REGISTERED UNDERGROUND STORAGE TANKS

SEARCH ID: 8 **DIST/DIR:** 0.22 SW **MAP ID:** 7

NAME: BAHIA DEL MAR CONDOMINIUM #4
ADDRESS: 6287 BAHIA DEL MAR CIR
SAINT PETERSBURG FL 33715
CONTACT: PAM WASHBURN

REV: 9/28/04
ID1: 529103606
ID2: 9103606.00
STATUS: CLOSED
PHONE: (813) 535-2424

SITE INFORMATION

TOTAL NUMBER OF TANKS: 1

FACILITY TYPE: C - FUEL USER/NON-RETAIL
DEP CO: N

TANK INFORMATION

TANK ID: 1
TVI: TANK
INSTALLED: 01-JUL-1982

STATUS: CLOSED
DEP CO: N
STAT DATE: 30-NOV-1991

TK STAT: B - REMOVED
CAPACITY(GAL): 250
CONTENT: G - EMERG GENERATOR DIESEL
PLACE: UNDERGROUND
TYPE: C - FUEL USER/NON-RETAIL

TARGET SITE: PINELLAS BAYWAY
SAINT PETERSBURG FL 33715

JOB: 040500015
PINELLAS BAYWAY, ST. PETERSBURG, FL

REGISTERED UNDERGROUND STORAGE TANKS

SEARCH ID: 9 **DIST/DIR:** 0.07 NE **MAP ID:** 8

NAME: PALMA DEL MAR BLDG H
ADDRESS: 6372 PALMA DEL MAR BLVD
SAINT PETERSBURG FL 33715
PINELLAS
CONTACT: LYDIA MOSCATO

REV: 9/28/04
ID1: 529300664
ID2: 9300664.00
STATUS: CLOSED
PHONE: (813) 585-3491

SITE INFORMATION

TOTAL NUMBER OF TANKS: 1

FACILITY TYPE: C - FUEL USER/NON-RETAIL
DEP CO: N

TANK INFORMATION

TANK ID:	1	**STATUS:**	CLOSED
TVI:	TANK	**DEP CO:**	N
INSTALLED:	01-JUL-1980	**STAT DATE:**	23-JUN-1995

TK STAT: B - REMOVED
CAPACITY(GAL): 500
CONTENT: G - EMERG GENERATOR DIESEL
PLACE: UNDERGROUND
TYPE: C - FUEL USER/NON-RETAIL

Environmental FirstSearch
Site Detail Report

TARGET SITE: PINELLAS BAYWAY
SAINT PETERSBURG FL 33715

JOB: 040500015
PINELLAS BAYWAY, ST. PETERSBURG, FL

REGISTERED UNDERGROUND STORAGE TANKS

SEARCH ID: 10 **DIST/DIR:** 0.10 NE **MAP ID:** 9

NAME: PALMA DEL MAR BLDG G
ADDRESS: 6322 PALMA DEL MAR BLVD
SAINT PETERSBURG FL 33715
PINELLAS
CONTACT: LYDIA MOSCATO

REV: 9/28/04
ID1: 529300663
ID2: 9300663.00
STATUS: CLOSED
PHONE: (813) 585-3491

SITE INFORMATION

TOTAL NUMBER OF TANKS: 1

FACILITY TYPE: C - FUEL USER/NON-RETAIL
DEP CO: N

TANK INFORMATION

TANK ID: 1
TVI: TANK
INSTALLED: 01-JUL-1980

STATUS: CLOSED
DEP CO: N
STAT DATE: 11-DEC-1995

TK STAT: B - REMOVED
CAPACITY(GAL): 888
CONTENT: G - EMERG GENERATOR DIESEL
PLACE: UNDERGROUND
TYPE: C - FUEL USER/NON-RETAIL

Environmental FirstSearch
Site Detail Report

TARGET SITE: PINELLAS BAYWAY
SAINT PETERSBURG FL 33715

JOB: 040500015
PINELLAS BAYWAY, ST. PETERSBURG, FL

REGISTERED UNDERGROUND STORAGE TANKS

SEARCH ID: 11 **DIST/DIR:** 0.01 NE **MAP ID:** 10

NAME: ST PETERSBURG CITY-LIFT STAT #35
ADDRESS: HWY 682 & HWY 693 SW
SAINT PETERSBURG FL 33715
PINELLAS
CONTACT: T GARDNER BAYLESS

REV: 9/28/04
ID1: 528733668
ID2: 8733668.00
STATUS: CLOSED
PHONE: (727) 893-7828

SITE INFORMATION

TOTAL NUMBER OF TANKS: 2

FACILITY TYPE: H - LOCAL GOVERNMENT
DEP CO: N

TANK INFORMATION

TANK ID: 1
TVI: TANK
INSTALLED: 01-JUL-1979
STATUS: CLOSED
DEP CO: N
STAT DATE: 01-NOV-1995

TK STAT: B - REMOVED
CAPACITY(GAL): 500
CONTENT: G - EMERG GENERATOR DIESEL
PLACE: UNDERGROUND
TYPE: H - LOCAL GOVERNMENT

TANK ID: 2
TVI: TANK
INSTALLED: 01-JUL-1979
STATUS: CLOSED
DEP CO: N
STAT DATE: 01-NOV-1995

TK STAT: B - REMOVED
CAPACITY(GAL): 2500
CONTENT: T - HAZARDOUS SUBSTANCE
PLACE: UNDERGROUND
TYPE: H - LOCAL GOVERNMENT

TARGET SITE: PINELLAS BAYWAY
SAINT PETERSBURG FL 33715

JOB: 040500015
PINELLAS BAYWAY, ST. PETERSBURG, FL

REGISTERED UNDERGROUND STORAGE TANKS

SEARCH ID: 12 **DIST/DIR:** 0.18 NW **MAP ID:** 11

NAME: ISLA DEL SOL-GOLF & LANDSCAPE
ADDRESS: 6501 PINELLAS BAYWAY S
SAINT PETERSBURG FL 33715
PINELLAS
CONTACT: R KRAMER

REV: 9/28/04
ID1: 528630952
ID2: 8630952.00
STATUS: CLOSED
PHONE: (813) 864-0091

SITE INFORMATION

TOTAL NUMBER OF TANKS: 4

FACILITY TYPE: C - FUEL USER/NON-RETAIL
DEP CO: N

TANK INFORMATION

TANK ID: 1 **STATUS:** CLOSED
TVI: TANK **DEP CO:** N
INSTALLED: 01-JUL-1976 **STAT DATE:** 31-DEC-1992

TK STAT: B - REMOVED
CAPACITY(GAL): 1000
CONTENT: B - UNLEADED GAS
PLACE: UNDERGROUND
TYPE: C - FUEL USER/NON-RETAIL

TANK ID: 2 **STATUS:** CLOSED
TVI: TANK **DEP CO:** N
INSTALLED: 01-JUL-1976 **STAT DATE:** 31-DEC-1992

TK STAT: B - REMOVED
CAPACITY(GAL): 3000
CONTENT: D - VEHICULAR DIESEL
PLACE: UNDERGROUND
TYPE: C - FUEL USER/NON-RETAIL

TANK ID: 3 **STATUS:** CLOSED
TVI: TANK **DEP CO:** N
INSTALLED: 01-MAR-1984 **STAT DATE:** 31-DEC-1992

TK STAT: B - REMOVED
CAPACITY(GAL): 500
CONTENT: L - WASTE OIL
PLACE: UNDERGROUND
TYPE: C - FUEL USER/NON-RETAIL

TANK ID: 4 **STATUS:** CLOSED
TVI: TANK **DEP CO:** N
INSTALLED: 01-DEC-1992 **STAT DATE:** 18-APR-2001

TK STAT: E - ENCLOSED/MODIFIED
CAPACITY(GAL): 1000

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Environmental FirstSearch
Site Detail Report

TARGET SITE: PINELLAS BAYWAY
SAINT PETERSBURG FL 33715

JOB: 040500015
PINELLAS BAYWAY, ST. PETERSBURG, FL

REGISTERED UNDERGROUND STORAGE TANKS

SEARCH ID: 12 **DIST/DIR:** 0.18 NW **MAP ID:** 11

NAME:	ISLA DEL SOL-GOLF & LANDSCAPE	**REV:**	9/28/04
ADDRESS:	6501 PINELLAS BAYWAY S	**ID1:**	528630952
	SAINT PETERSBURG FL 33715	**ID2:**	8630952.00
	PINELLAS	**STATUS:**	CLOSED
CONTACT:	R KRAMER	**PHONE:**	(813) 864-0091

CONTENT: B - UNLEADED GAS
PLACE: ABOVEGROUND
TYPE: C - FUEL USER/NON-RETAIL

TARGET SITE: PINELLAS BAYWAY
SAINT PETERSBURG FL 33715

JOB: 040500015
PINELLAS BAYWAY, ST. PETERSBURG, FL

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 13 **DIST/DIR:** 0.01 NW **MAP ID:** 2

NAME: 7-ELEVEN FOOD STORE #29301
ADDRESS: 150 PINELLAS BAYWAY S
TIERRA VERDE FL 33715
PINELLAS
CONTACT:

REV: 9/28/04
ID1: 528736151
ID2: 8736151
STATUS: OPEN
PHONE: (407) 295-3076

SITE INFORMATION

OPERATOR: SMITH, WILLO
NAME UPDATED:
ADDR UPDATED:
BAD ADDR INDICATOR: N

CLEAN UP STATUS: ENTD - ELIGIBLE - NO TASK LEVEL DATA
CLEANUP STATUS DATE: 10-09-2000
RANK: 8261

CLEAN UP STATUS: DNR - DISCHARGE NOTIFICATION RECEIVED
CLEANUP STATUS DATE: 10-09-2000
RANK: 8261

RP ID: 20385
RP ROLE: ACCOUNT OWNER
RP BEGIN: 05-20-1994
NAME: 7-ELEVEN INC
1300 LEE RD ATTN: WILLO SMITH
ORLANDO FL 32810

PHONE: (407) 532-2039

DISCHARGE INFORMATION

DISCHARGE DATE: 02-22-1993
POLLUTANT: B - UNLEADED GAS
COMBINED:
SCORE: 11
SCORE DATE: 11-04-1997
GAL DISCHARGED:
DRINK WELLS AFFECTED:
MONITORING WELLS:
SOIL AFFECTED:
S WATER AFFECTED:
G WATER AFFECTED:
CLEANUP ELIG: I - INELIGIBLE

CLEANUP REQUIRED: R - CLEANUP REQUIRED
WORK STATUS: INACTIVE
INFO SOURCE: D - DISCHARGE NOTIFICATION
OTHER SOURCE:
SITE MANAGER:
MANAGER END DATE:
TANK OFFICE: -

DISCHARGE DATE: 11-29-1988
POLLUTANT: Y - UNKNOWN/NOT REPORTED

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Environmental FirstSearch
Site Detail Report

TARGET SITE: PINELLAS BAYWAY
SAINT PETERSBURG FL 33715

JOB: 040500015
PINELLAS BAYWAY, ST. PETERSBURG, FL

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 13 **DIST/DIR:** 0.01 NW **MAP ID:** 2

NAME: 7-ELEVEN FOOD STORE #29301
ADDRESS: 150 PINELLAS BAYWAY S
TIERRA VERDE FL 33715
PINELLAS
CONTACT:

REV: 9/28/04
ID1: 528736151
ID2: 8736151
STATUS: OPEN
PHONE: (407) 295-3076

COMBINED:	
SCORE:	11
SCORE DATE:	11-04-1997
GAL DISCHARGED:	
DRINK WELLS AFFECTED:	0
MONITORING WELLS:	Y
SOIL AFFECTED:	N
S WATER AFFECTED:	N
G WATER AFFECTED:	Y
CLEANUP ELIG:	E - ELIGIBLE
CLEANUP REQUIRED:	R - CLEANUP REQUIRED
WORK STATUS:	INACTIVE
INFO SOURCE:	E - EDI
OTHER SOURCE:	
SITE MANAGER:	
MANAGER END DATE:	
TANK OFFICE:	-

UST INFORMATION

TARGET SITE: PINELLAS BAYWAY
SAINT PETERSBURG FL 33715

JOB: 040500015
PINELLAS BAYWAY, ST. PETERSBURG, FL

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 14 **DIST/DIR:** 0.00 -- **MAP ID:** 1

NAME: TEXACO-TIERRA VERDE MARINA
ADDRESS: 100 PINELLAS BAYWAY
TIERRA VERDE FL 33715
CONTACT:

REV: 9/28/04
ID1: 528630856
ID2: 8630856
STATUS: OPEN
PHONE: (813) 866-0255

SITE INFORMATION

OPERATOR: JEFF CAVANAGH
NAME UPDATED:
ADDR UPDATED: 09-12-1998
BAD ADDR INDICATOR: N

CLEAN UP STATUS: DNR - DISCHARGE NOTIFICATION RECEIVED
CLEANUP STATUS DATE: 02-04-2002
RANK:

CLEAN UP STATUS: NFA - NFA COMPLETE
CLEANUP STATUS DATE: 11-19-1993
RANK:

RP ID: 47720
RP ROLE: ACCOUNT OWNER
RP BEGIN: 09-12-1998
NAME: MARINA OPPORTUNITY I TIERRA VERDE LP
4801 SPRING VALLEY RD #80
DALLAS TX 75244 8226
PHONE: (813) 866-0255

DISCHARGE INFORMATION

DISCHARGE DATE: 07-13-1990
POLLUTANT: Y - UNKNOWN/NOT REPORTED
COMBINED:
SCORE:
SCORE DATE:
GAL DISCHARGED:
DRINK WELLS AFFECTED: 0
MONITORING WELLS: N
SOIL AFFECTED: Y
S WATER AFFECTED: N
G WATER AFFECTED: N
CLEANUP ELIG: I - INELIGIBLE

CLEANUP REQUIRED: R - CLEANUP REQUIRED
WORK STATUS: COMPLETED
INFO SOURCE: D - DISCHARGE NOTIFICATION
OTHER SOURCE:
SITE MANAGER:
MANAGER END DATE:
TANK OFFICE: -

DISCHARGE DATE: 07-21-1993
POLLUTANT: D - VEHICULAR DIESEL
COMBINED: 07-13-1990

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TARGET SITE: PINELLAS BAYWAY
SAINT PETERSBURG FL 33715

JOB: 040500015
PINELLAS BAYWAY, ST. PETERSBURG, FL

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 14 **DIST/DIR:** 0.00 -- **MAP ID:** 1

NAME: TEXACO-TIERRA VERDE MARINA
ADDRESS: 100 PINELLAS BAYWAY
TIERRA VERDE FL 33715
CONTACT:

REV: 9/28/04
ID1: 528630856
ID2: 8630856
STATUS: OPEN
PHONE: (813) 866-0255

SCORE:
SCORE DATE:
GAL DISCHARGED:
DRINK WELLS AFFECTED:
MONITORING WELLS:
SOIL AFFECTED:
S WATER AFFECTED:
G WATER AFFECTED:
CLEANUP ELIG: I - INELIGIBLE

DISCHARGE DATE: 07-21-1993
POLLUTANT: B - UNLEADED GAS
COMBINED: 07-13-1990
SCORE:
SCORE DATE:
GAL DISCHARGED:
DRINK WELLS AFFECTED:
MONITORING WELLS:
SOIL AFFECTED:
S WATER AFFECTED:
G WATER AFFECTED:
CLEANUP ELIG: I - INELIGIBLE

CLEANUP REQUIRED: C - COMBINED CLEANUP REQUIRED
WORK STATUS: COMBINED
INFO SOURCE: D - DISCHARGE NOTIFICATION
OTHER SOURCE:
SITE MANAGER:
MANAGER END DATE:
TANK OFFICE: -

UST INFORMATION

Environmental FirstSearch
Site Detail Report

TARGET SITE: PINELLAS BAYWAY
SAINT PETERSBURG FL 33715

JOB: 040500015
PINELLAS BAYWAY, ST. PETERSBURG, FL

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 15 **DIST/DIR:** 0.22 SW **MAP ID:** 7

NAME: BAHIA DEL MAR CONDOMINIUM #4
ADDRESS: 6287 BAHIA DEL MAR CIR
SAINT PETERSBURG FL 33715
CONTACT:

REV: 9/28/04
ID1: 529103606
ID2: 9103606
STATUS: CLOSED
PHONE: (813) 535-2424

SITE INFORMATION

OPERATOR: WASHBURN, PAM
NAME UPDATED:
ADDR UPDATED:
BAD ADDR INDICATOR: N

CLEAN UP STATUS: DNR - DISCHARGE NOTIFICATION RECEIVED
CLEANUP STATUS DATE: 05-21-2001
RANK: 8758

RP ID: 1306
RP ROLE: ACCOUNT OWNER
RP BEGIN: 12-13-1991
NAME: BAHIA DEL MAR CONDOMINIUM #4
6287 BAHIA DEL MAR CIR
SAINT PETERSBURG FL 33715

PHONE: (813) 535-2424

DISCHARGE INFORMATION

DISCHARGE DATE: 12-11-1991
POLLUTANT: M - FUEL OIL - ONSITE HEAT
COMBINED:
SCORE: 10
SCORE DATE: 05-21-2001
GAL DISCHARGED:
DRINK WELLS AFFECTED:
MONITORING WELLS:
SOIL AFFECTED:
S WATER AFFECTED:
G WATER AFFECTED:
CLEANUP ELIG: I - INELIGIBLE

CLEANUP REQUIRED: R - CLEANUP REQUIRED
WORK STATUS: ACTIVE
INFO SOURCE: D - DISCHARGE NOTIFICATION
OTHER SOURCE:
SITE MANAGER:
MANAGER END DATE:
TANK OFFICE: -

UST INFORMATION

TARGET SITE: PINELLAS BAYWAY
SAINT PETERSBURG FL 33715

JOB: 040500015
PINELLAS BAYWAY, ST. PETERSBURG, FL

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 16 **DIST/DIR:** 0.10 NE **MAP ID:** 9

NAME: PALMA DEL MAR BLDG G
ADDRESS: 6322 PALMA DEL MAR BLVD
SAINT PETERSBURG FL 33715
CONTACT:

REV: 9/28/04
ID1: 529300663
ID2: 9300663
STATUS: CLOSED
PHONE: (813) 585-3491

SITE INFORMATION

OPERATOR: LYDIA MOSCATO
NAME UPDATED:
ADDR UPDATED:
BAD ADDR INDICATOR: N

CLEAN UP STATUS: ENTD - ELIGIBLE - NO TASK LEVEL DATA
CLEANUP STATUS DATE: 10-09-2000
RANK: 8758

RP ID: 16152
RP ROLE: ACCOUNT OWNER
RP BEGIN: 08-31-1993
NAME: PALMA DEL MAR % INFINITI MGMT
1301 SEMINOLE BLVD #110
LARGO FL 34640

PHONE: (813) 585-3491

DISCHARGE INFORMATION

DISCHARGE DATE: 12-04-1995
POLLUTANT: M - FUEL OIL - ONSITE HEAT
COMBINED:
SCORE: 10
SCORE DATE: 11-04-1997
GAL DISCHARGED:
DRINK WELLS AFFECTED: 0
MONITORING WELLS: N
SOIL AFFECTED: Y
S WATER AFFECTED: N
G WATER AFFECTED: Y
CLEANUP ELIG: E - ELIGIBLE

CLEANUP REQUIRED: R - CLEANUP REQUIRED
WORK STATUS: INACTIVE
INFO SOURCE: D - DISCHARGE NOTIFICATION
OTHER SOURCE:
SITE MANAGER:
MANAGER END DATE:
TANK OFFICE: -

UST INFORMATION

TARGET SITE: PINELLAS BAYWAY
SAINT PETERSBURG FL 33715

JOB: 040500015
PINELLAS BAYWAY, ST. PETERSBURG, FL

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 17 **DIST/DIR:** 0.01 NE **MAP ID:** 10

NAME: ST PETERSBURG CITY-LIFT STAT #35
ADDRESS: HWY 682 & HWY 693 SW
SAINT PETERSBURG FL 33715
CONTACT:

REV: 9/28/04
ID1: 528733668
ID2: 8733668
STATUS: CLOSED
PHONE: (813) 892-7261

SITE INFORMATION

OPERATOR: CHARLIE WISE
NAME UPDATED: 11-19-2001
ADDR UPDATED: 11-19-2001
BAD ADDR INDICATOR: N

CLEAN UP STATUS: DNR - DISCHARGE NOTIFICATION RECEIVED
CLEANUP STATUS DATE: 10-09-2000
RANK: 8261

CLEAN UP STATUS: ENTD - ELIGIBLE - NO TASK LEVEL DATA
CLEANUP STATUS DATE: 10-09-2000
RANK: 8261

RP ID: 20971
RP ROLE: ACCOUNT OWNER
RP BEGIN: 05-20-1994
NAME: ST PETERSBURG CITY ENGINEERING
PO BOX 2842 ATTN: T GARDNER BAYLESS
SAINT PETERSBURG FL
PHONE: (727) 893-7828

DISCHARGE INFORMATION

DISCHARGE DATE: 01-03-1996
POLLUTANT: M - FUEL OIL - ONSITE HEAT
COMBINED:
SCORE: 11
SCORE DATE: 11-04-1997
GAL DISCHARGED:
DRINK WELLS AFFECTED:
MONITORING WELLS:
SOIL AFFECTED:
S WATER AFFECTED:
G WATER AFFECTED:
CLEANUP ELIG: I - INELIGIBLE

CLEANUP REQUIRED: R - CLEANUP REQUIRED
WORK STATUS: INACTIVE
INFO SOURCE: D - DISCHARGE NOTIFICATION
OTHER SOURCE:
SITE MANAGER:
MANAGER END DATE:
TANK OFFICE: -

DISCHARGE DATE: 12-02-1988
POLLUTANT: D - VEHICULAR DIESEL
COMBINED:

- Continued on next page -

TARGET SITE: PINELLAS BAYWAY
SAINT PETERSBURG FL 33715

JOB: 040500015
PINELLAS BAYWAY, ST. PETERSBURG, FL

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 17 **DIST/DIR:** 0.01 NE **MAP ID:** 10

NAME: ST PETERSBURG CITY-LIFT STAT #35
ADDRESS: HWY 682 & HWY 693 SW
SAINT PETERSBURG FL 33715
CONTACT:

REV: 9/28/04
ID1: 528733668
ID2: 8733668
STATUS: CLOSED
PHONE: (813) 892-7261

SCORE:	11
SCORE DATE:	11-04-1997
GAL DISCHARGED:	
DRINK WELLS AFFECTED:	0
MONITORING WELLS:	N
SOIL AFFECTED:	Y
S WATER AFFECTED:	N
G WATER AFFECTED:	N
CLEANUP ELIG:	E - ELIGIBLE
CLEANUP REQUIRED:	R - CLEANUP REQUIRED
WORK STATUS:	INACTIVE
INFO SOURCE:	E - EDI
OTHER SOURCE:	
SITE MANAGER:	
MANAGER END DATE:	
TANK OFFICE:	-

UST INFORMATION

TARGET SITE: PINELLAS BAYWAY
SAINT PETERSBURG FL 33715

JOB: 040500015
PINELLAS BAYWAY, ST. PETERSBURG, FL

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 18 **DIST/DIR:** 0.18 NW **MAP ID:** 11

NAME: ISLA DEL SOL-GOLF & LANDSCAPE
ADDRESS: 6501 PINELLAS BAYWAY S
SAINT PETERSBURG FL 33715
CONTACT:

REV: 9/28/04
ID1: 528630952
ID2: 8630952
STATUS: CLOSED
PHONE: (813) 866-0313

CLEAN UP STATUS: NREQ - CLEANUP NOT REQUIRED
CLEANUP STATUS DATE: 05-29-2001
RANK:

CLEAN UP STATUS: SRCR - SRCR COMPLETE
CLEANUP STATUS DATE: 06-28-1994
RANK:

CLEAN UP STATUS: NFA - NFA COMPLETE
CLEANUP STATUS DATE: 01-12-1995
RANK:

DISCHARGE INFORMATION

DISCHARGE DATE: 04-30-1990
POLLUTANT: B - UNLEADED GAS
COMBINED:
SCORE:
SCORE DATE:
GAL DISCHARGED:
DRINK WELLS AFFECTED:
MONITORING WELLS:
SOIL AFFECTED:
S WATER AFFECTED:
G WATER AFFECTED:
CLEANUP ELIG: I - INELIGIBLE

CLEANUP REQUIRED: R - CLEANUP REQUIRED
WORK STATUS: COMPLETED
INFO SOURCE: D - DISCHARGE NOTIFICATION
OTHER SOURCE:
SITE MANAGER:
MANAGER END DATE:
TANK OFFICE: -

DISCHARGE DATE: 12-20-1988
POLLUTANT: Y - UNKNOWN/NOT REPORTED
COMBINED:
SCORE:
SCORE DATE:
GAL DISCHARGED:
DRINK WELLS AFFECTED: 0
MONITORING WELLS: Y
SOIL AFFECTED: N
S WATER AFFECTED: N
G WATER AFFECTED: Y
CLEANUP ELIG: I - INELIGIBLE

CLEANUP REQUIRED: N - NO CLEANUP REQUIRED
WORK STATUS: COMPLETED

- Continued on next page -

Environmental FirstSearch
Site Detail Report

TARGET SITE: PINELLAS BAYWAY
SAINT PETERSBURG FL 33715

JOB: 040500015
PINELLAS BAYWAY, ST. PETERSBURG, FL

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 18 **DIST/DIR:** 0.18 NW **MAP ID:** 11

NAME: ISLA DEL SOL-GOLF & LANDSCAPE
ADDRESS: 6501 PINELLAS BAYWAY S
SAINT PETERSBURG FL 33715
CONTACT:

REV: 9/28/04
ID1: 528630952
ID2: 8630952
STATUS: CLOSED
PHONE: (813) 866-0313

INFO SOURCE: E - EDI
OTHER SOURCE:
SITE MANAGER:
MANAGER END DATE:
TANK OFFICE: -

DISCHARGE DATE: 12-20-1991
POLLUTANT: L - WASTE OIL
COMBINED:
SCORE:
SCORE DATE:
GAL DISCHARGED:
DRINK WELLS AFFECTED:
MONITORING WELLS:
SOIL AFFECTED:
S WATER AFFECTED:
G WATER AFFECTED:
CLEANUP ELIG: I - INELIGIBLE

CLEANUP REQUIRED: R - CLEANUP REQUIRED
WORK STATUS: COMPLETED
INFO SOURCE: C - CLOSURE REPORT
OTHER SOURCE:
SITE MANAGER:
MANAGER END DATE:
TANK OFFICE: -

UST INFORMATION

Environmental FirstSearch
Street Name Report for Streets within .25 Mile(s) of Target Property

TARGET SITE: PINELLAS BAYWAY
SAINT PETERSBURG FL 33715

JOB: 040500015
PINELLAS BAYWAY, ST. PETERSBURG, FL

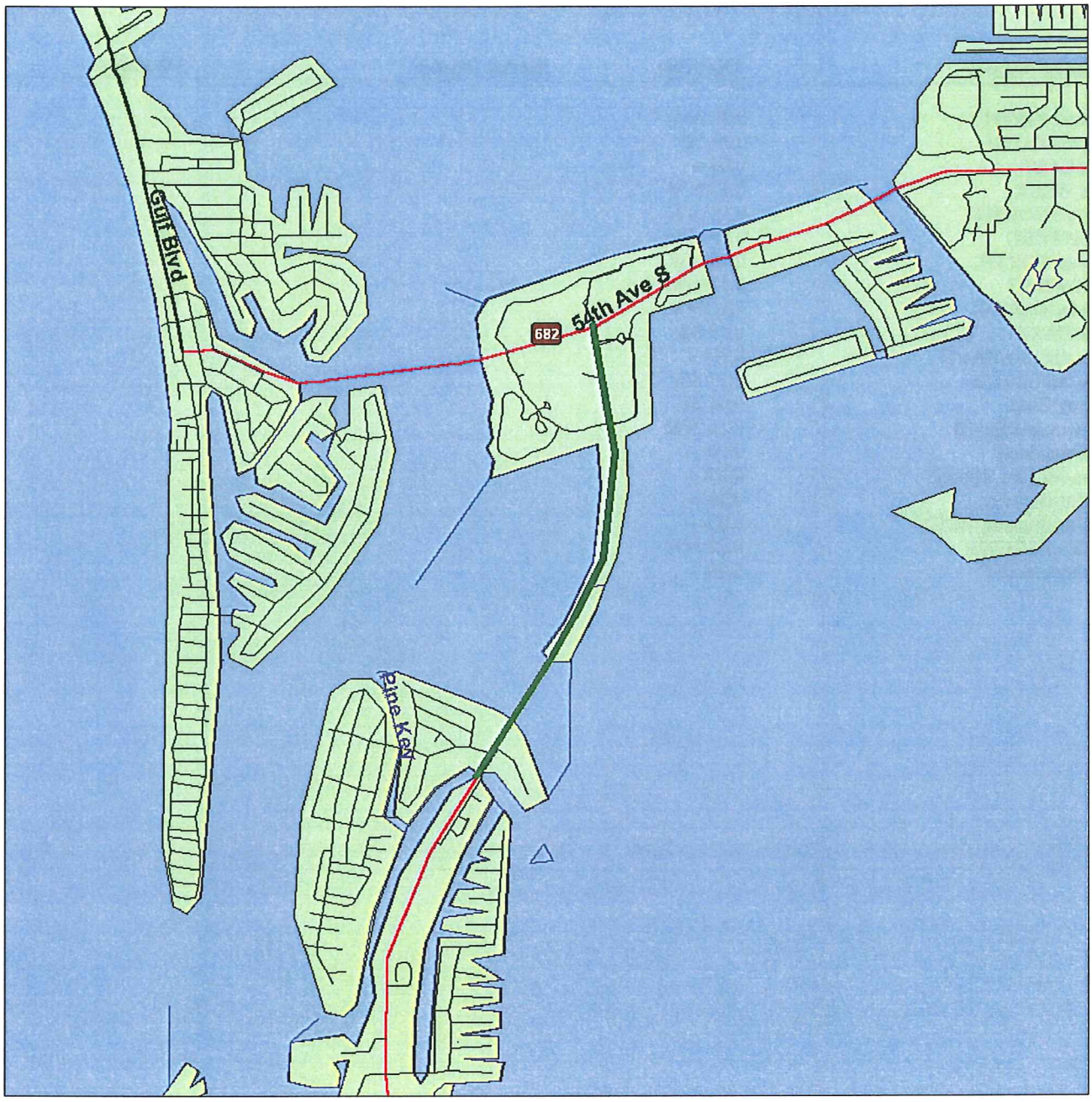
Street Name	Dist/Dir	Street Name	Dist/Dir
1st Ave NORTH	0.07 NW		
1st Ave SOUTH	0.21 SE		
1st St EAST	0.00 --		
1st St WEST	0.12 NW		
2nd Ave NORTH	0.19 NW		
2nd St WEST	0.09 NW		
3rd Ave NORTH	0.18 NW		
3rd St WEST	0.11 NW		
4th Ave NORTH	0.22 NW		
4th St EAST	0.25 SE		
Bahia del Mar Blvd S	0.00 --		
Bahia del Mar Cir	0.17 SW		
Bayway Blvd	0.01 SE		
La Puerta del Sol Bl	0.16 NW		
Madonna Blvd	0.00 --		
Palma del Mar Blvd S	0.00 --		
Pinellas Bayway	0.00 --		
Pinellas Bayway SOU	0.00 --		
Sun Blvd SOUTH	0.22 NW		
Sun Blvd WEST	0.00 --		

Environmental FirstSearch

1 Mile Radius from Line

ASTM Map: NPL, RCRACOR, STATE Sites

PINELLAS BAYWAY , SAINT PETERSBURG FL 33715



Source: 2001 U.S. Census TIGER Files

Linear Search Line .....

Identified Site, Multiple Sites, Receptor .....

NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste .....

Railroads .....

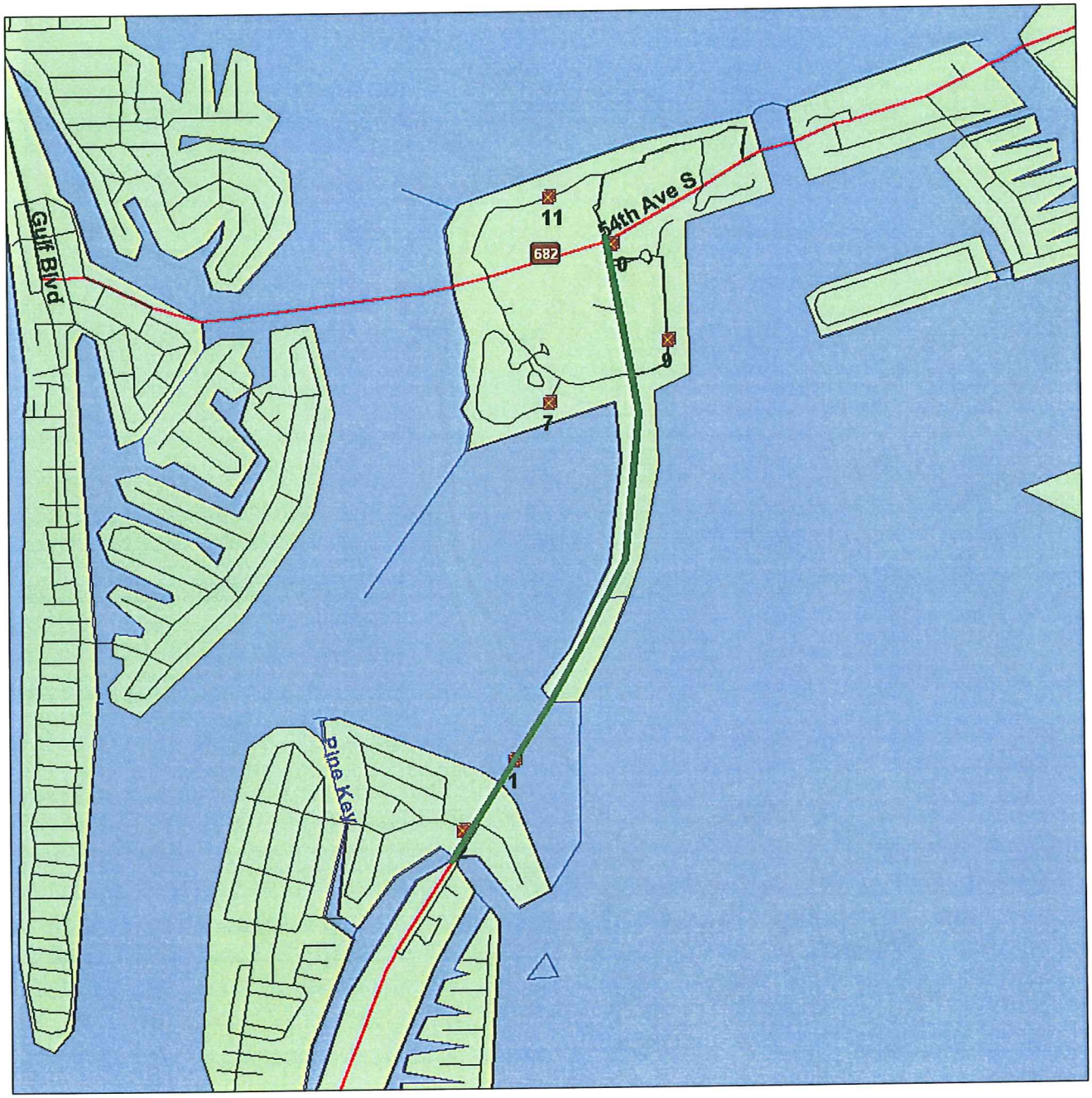
Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius

Environmental FirstSearch

.5 Mile Radius from Line

ASTM Map: CERCLIS, RCRATSD, LUST, SWL

PINELLAS BAYWAY , SAINT PETERSBURG FL 33715



Source: 2001 U.S. Census TIGER Files

Linear Search Line .....

Identified Site, Multiple Sites, Receptor .....

NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste .....

Railroads .....

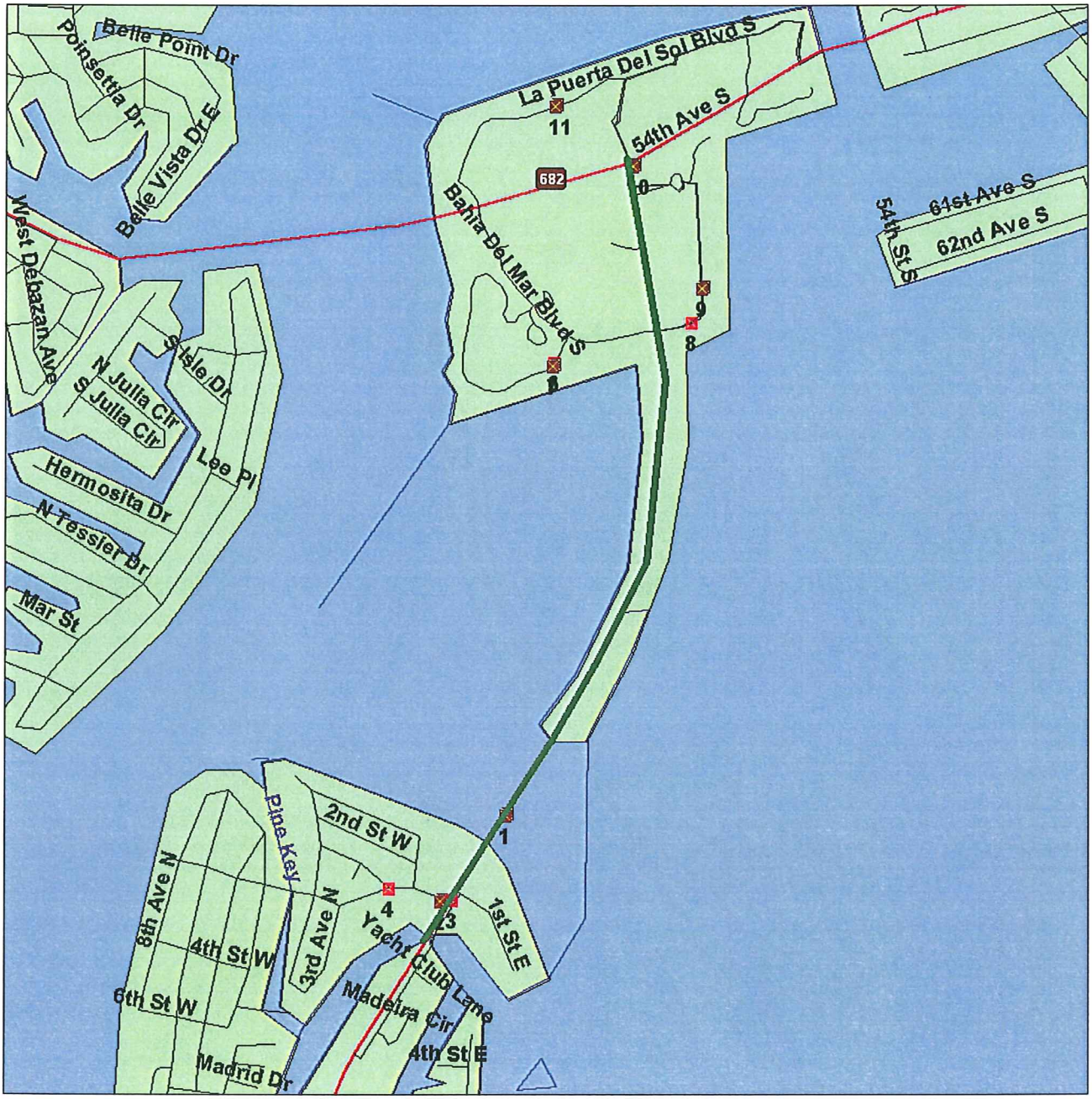
Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius

Environmental FirstSearch

.25 Mile Radius from Line

ASTM Map: RCRAGEN, ERNS, UST

PINELLAS BAYWAY , SAINT PETERSBURG FL 33715



Source: 2001 U.S. Census TIGER Files

Linear Search Line .....

Identified Site, Multiple Sites, Receptor .....

NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste .....

Railroads .....

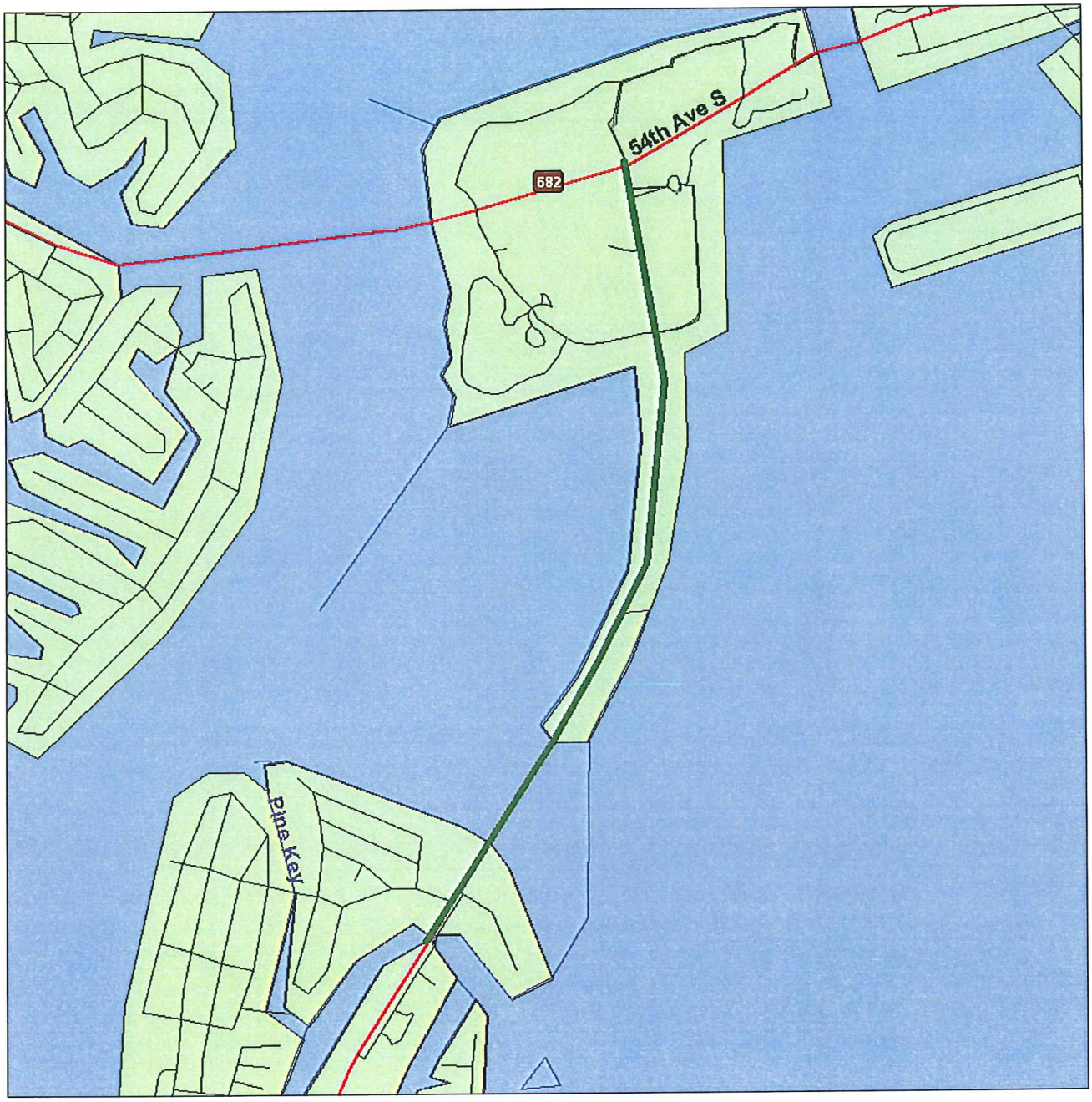
Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius

Environmental FirstSearch

.25 Mile Radius from Line

Non-ASTM Map: No Sites Found

PINELLAS BAYWAY , SAINT PETERSBURG FL 33715



Source: 2001 U.S. Census TIGER Files

Linear Search Line .....

Identified Site, Multiple Sites, Receptor .....

NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste .....

National Historic Sites and Landmark Sites .....

Soil Sites .....

Railroads .....

Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius

APPENDIX D
REGULATORY FILE REVIEW DATA FOR PINELLAS BAYWAY

APPENDIX D-1
REGULATORY FILE REVIEW DATA
TIERRA VERDE RESORT & MARINA (SITE NO. 1)

Jeb Bush
Governor

FLORIDA DEPARTMENT OF HEALTH

John O. Agwunobi, M.D., M.B.A, M.P.H.
Secretary

PINELLAS COUNTY HEALTH DEPARTMENT

September 2, 2005

Laurel Culbreth
Florida Department of Environmental Protection
Southwest District Office
3804 Coconut Palm Dr
Tampa FL 33619

Re: Enforcement Request
52/8945262
Tierra Verde
200 Madonna Blvd
Tierra Verde
PINELLAS

Dear Ms. Culbreth:

The above referenced facility appears to have the following unresolved violation(s):

1. Proof of financial responsibility is not available from the time the current owner bought the facility in September 2004 through the current policy's effective date of July 8, 2005; this represents a SNC "B" violation.
2. Monthly release detection records (visual inspections) are not available for the period from April 2004 through April 2005. Monthly release detection records (monitoring well checks) are not available for the period from April 2004 through August 2005; these represent SNC "B" violations.

Additional Information:

The current property owner and operator is A & S Tierra Verde Ventures LLC, who purchased the facility in September 2004. Although release detection records are not available dating back to the TCI of April 2004, it appears that the previous owner, Gulfcoast Investments of Tierra Verde, Inc., was responsible for performing monthly release detection for the period from April 2004, until their sale of the facility to A & S in September 2004.

I request that your office consider this facility for further action. Please find enclosed a copy of the pertinent file information. Please note that there are additional items on the inspection that you may choose to include in the requested enforcement action.

If I can be of additional service, please do not hesitate to contact me at **727 538-7277 XT. 1144.**

Sincerely,

Randall H. Strauss
Environmental Specialist II
Environmental Engineering

Enclosures

Florida Department of Environmental Protection
Bureau of Petroleum Storage Systems
Storage Tank/Contaminated Facility
Name & Address Search

Facility ID#: 8945262
Name: Tierra Verde
200 Madonna Blvd
Tierra Verde, FL 33715- 1735
Contact: Michael Nussbaum
Phone: 727-867-0400

District: SWD
County: 52 - Pinellas
Type: V-Marine/Coastal Fuel Stora
Status: Open
Latitude: 27:41:23.2366
Longitude: 82:43:15.0917
LL Method: DPHO-Autonomous GPS

Account Owner: A & J Tierra Verde Ventures Llc

Tank #	Size	Content	Installed	Placement	Status	Construction	Piping	Monitor
4	10000	Vehicular Diesel	09/01/1989	UNDER	In Service	A F M N O	K C J	4 H N B 2
5	10000	Unleaded Gas	09/01/1989	UNDER	In Service	A F M N O	J C K	4 H N B 2
6	6000	Unleaded Gas	09/01/1989	UNDER	In Service	A F M N O	J K C	4 H 2 B N
1	888	Unknown/Not Reported		UNDER	Removed from Site			
2	888	Unknown/Not Reported		UNDER	Removed from Site			
3	888	Unknown/Not Reported		UNDER	Removed from Site			

***Note:**

Construction, Piping, and Monitoring Info not shown for CLOSED tanks (Status A: Closed in Place, B: Removed from the site).

Insurance	07/08/2005	07/08/2006	Illinois Union
Insurance	10/15/1991	01/22/1997	Fplipa

Compliance Activity Information

Activity Code	Date Done	Results	Inspector	AST/UST Count	Project Description
TCI	04/23/2004	In-Compliance	Pink	0/3	Compliance Assurance
Completion Notes: Piping Type Not Visible					
LTR	04/23/2004		Pink		Compliance Assurance
DPRI	04/23/2004		Pink		Terminal Facility Project
TCI	05/18/2005	Significant Out-Of-Compliance	Barnett	/3	Compliance Assurance
DPRI	05/18/2005	Minor Out-Of-Compliance	Barnett		Terminal Facility Project
Completion Notes: Certificate Not Issued - No Requirments In Place					
NCLI	05/19/2005		Barnett		Compliance Assurance
DPRI	06/24/2005	Minor Out-Of-Compliance	Barnett		Terminal Facility Project
TCI	08/03/2005	Significant Out-Of-Compliance	Frazier	0/3	Compliance Assurance
NCLI	08/08/2005		Frazier		Compliance Assurance
DPRI	08/08/2005	In-Compliance	Frazier		Terminal Facility Project
LTR	08/08/2005		Frazier		Terminal Facility Project
Completion Notes: Cert Issued Effective 8.3.05					

Open Violations

Insp Date	Viol #	Sig Level	Violation Text
05/18/2005	1003	N	Registration Placard Is Not Displayed In Plain View
05/18/2005	1004	B	No Financial Responsibility
05/18/2005	1059	N	Not Installed, Calibrated, Operated Per Manufacturer'S Specifications
05/18/2005	1062	B	Release Detection Not Performed At Least Once A Month
05/18/2005	1063	N	Continuous Electronic Leak Detection Not Inspected Monthly
05/18/2005	1077	B	Single Walled Pressurized Piping Does Not Have Mechanical Leak Detectors / Annual Tightness Test, Or Electrc Leak Detector
05/18/2005	1086	N	Monitoring Well Records Do Not Meet Recording Requirements
05/18/2005	1103	N	Ust Line Leak Detector Cannot Detect 3.0 Gph Discharge, Not Tested Annually
05/18/2005	1117	N	Release Detection Devices Not Tested Annually
05/18/2005	1122	N	Permanent Records Not Available Within 5 Working Days Notice; No Reasonable Facility Access
05/18/2005	1123	N	Records Requiring 2-Year Documentation Period Not Kept By Facility
05/18/2005	1151	N	Facility Out Of Compliance With Requirements Of Chapter 62-16n

06/24/2005 1151	N	Facility Out Of Compliance With Requirements Of Chapter 62-16n
08/03/2005 1062	B	Release Detection Not Performed At Least Once A Month
08/03/2005 1063	N	Continuous Electronic Leak Detection Not Inspected Monthly
08/03/2005 1086	N	Monitoring Well Records Do Not Meet Recording Requirements
08/03/2005 1123	N	Records Requiring 2-Year Documentation Period Not Kept By Facility

No Discharge Information Found!

End of Data for Facility #: 8945262

Jeb Bush
Governor

FLORIDA DEPARTMENT OF HEALTH

John O. Agwunobi, M[illegible]
Secretary

PINELLAS COUNTY HEALTH DEPARTMENT

FILE COPY

August 8, 2005

Michael Nussbaum
A&J Tierra Verde Ventures LLC
200 Madonna Blvd
Tierra Verde, FL 33715

Re: **52/8645262**
Tierra Verde
200 Madonna Blvd
Tierra Verde
PINELLAS

Dear Mr Nussbaum:

On August 3, 2005, the annual Florida Administrative Code (FAC) Chapter 62-761 and/or 62-762 pollutant storage tank compliance inspection was performed at the referenced facility. It was noted that the facility may not be in compliance with the requirements of Chapter 62-761 and/or 62-762. Please refer to the enclosed inspection report and in bold type below for the specific rule citations.

The following non-compliance items require your attention:

1. Monitoring well records were not available for review at the time of inspection. Please provide release detection records for the months of May 2005 through July 2005. **[.600(1)(d); .600(1)(e); .640(2)(c)4]**
2. The above noted records must be maintained by the facility for a minimum period of two years. **[.710(2)]**

Please provide a written response by September 3, 2005, including any information requested and documentation of corrective actions taken for the items cited above. Failure to respond by the indicated date may result in the initiation of further enforcement action. If you have any questions please contact me at 727-538-7277 ext 1143. Please be sure to include the Facility ID# on all correspondence sent to the Florida Department of Environmental Protection (FDEP) and/or this office.

Sincerely,

L Frazier

Lisa Frazier
Environmental Specialist II
Pollutant Storage Tank Program

Enclosure

Tel: (727) 538-7277 • Environmental Engineering • Fax: (727) 538-7293
4175 East Bay Drive, Suite 300, Clearwater, FL 33764

FACILITY SITE SKETCH

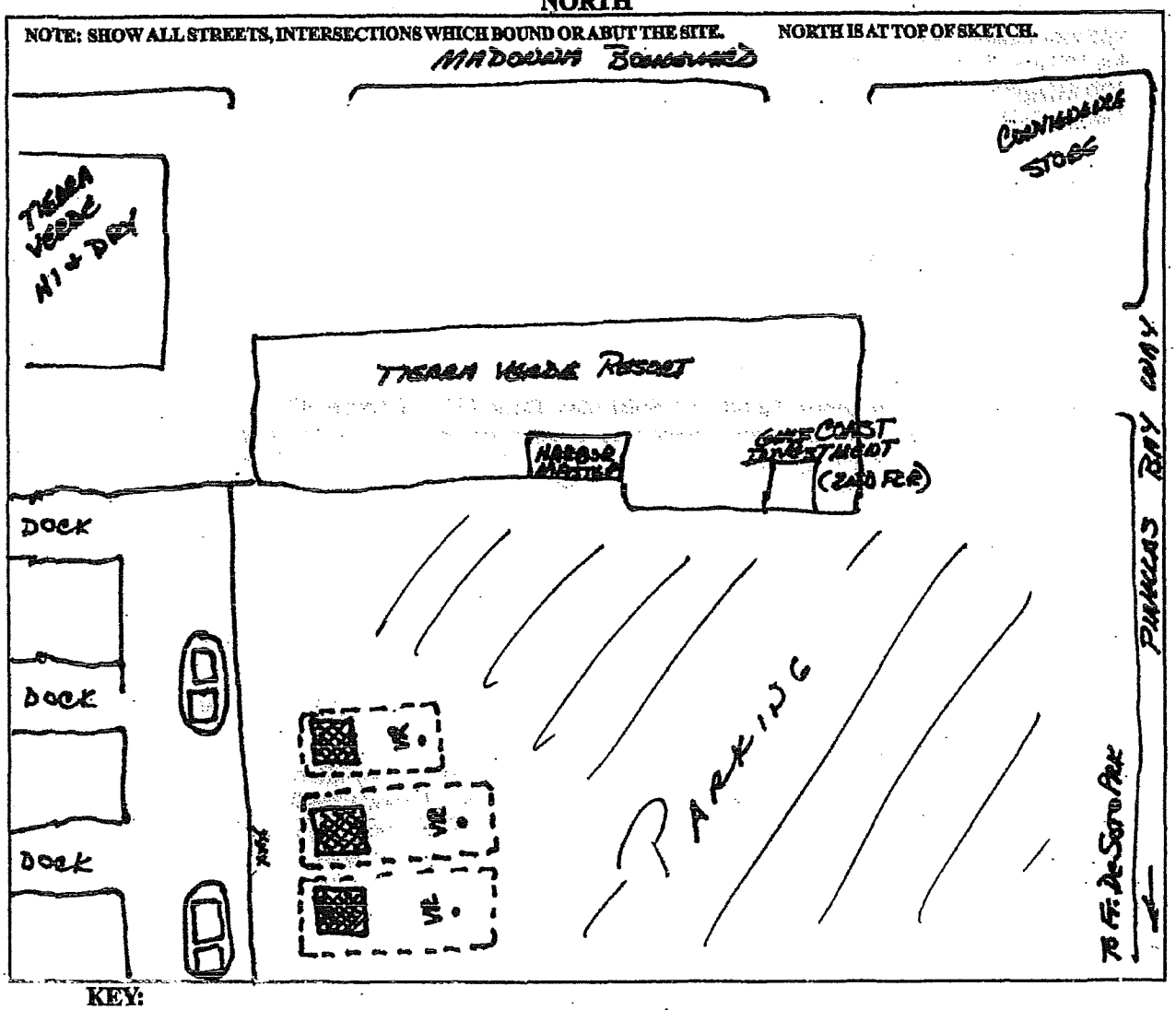
SITE NAME: GULF COAST INVESTMENTS OF TIERRA VERDE INC.

ADDRESS: 200 MADONNA BOULEVARD, TIERRA VERDE, FL

FDEP ID NUMBER: 52/8345262 **Release Detection Method:** INVENTORY WITH ANNUAL TESTING

NORTH

NOTE: SHOW ALL STREETS, INTERSECTIONS WHICH BOUND OR ABUT THE SITE. NORTH IS AT TOP OF SKETCH.



KEY:

AST		DISPENSER	
UST		DRIVES/ROADS	
SUMP	(as drawn)	STRUCTURE	
FILL PORT	◊	GPS DATA POINT	
VENT	○	OBSERVATION WELL	
COMPLIANCE WELL	△	POTABLE WELL	

Inspector's initials and Date of inspection (mm/dd/yy)	~~GULF COAST~~				
	ALLC 04/25/03				
	PAS 4/25/03				

TC 15-18-05 ✓

Florida Department of Environmental Protection
Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400
Division of Waste Management
Bureau of Petroleum Storage Systems

Storage Tank Facility Compliance Inspection Report

Facility ID	8945262	County	52	Inspection Date	8-3-05
Facility Name	TIERRA VERDE			Facility Type	V
Latitude	27°41'23"	Longitude	82°43'15"	L/L Method	DPHO

Check box to identify type of inspection performed. Update latitude/longitude as necessary. Provide Lat/Long Determination Method. ("Map", "AGPS" (Magellan), "GGPS" (Trimble). Provide the count of USTs - ASTs – Mineral Acid tanks reviewed *during this inspection*	# USTs Inspected	3	# ATSs Inspected	0	# Mineral Acid Tks Inspected	0

COMPLIANCE ASSURANCE INSPECTIONS

Compliance Inspection (Annual)	TCI	✓	Discharge Project – Short Form Evaluation (TCI not req'd)	TDI	
Compliance Inspection (DRF received)	TCDI				
Compliance Inspection (Complaint received)	TCPI		TERMINAL FACILITY		
Installation Inspection	TIN		Discharge Prevention & Response Inspection	DPRI	
Closure Inspection	TXI		Discharge Prevention & Response Certificate Issued	YES	NO
Compliance Re-Inspection	TCR		DPRC Certificate Number: #		

Rule Cite 62-761	Inspector's Comments / Violation Description	Violation Code
	Placard OK RDRL OK FR OK	
	Line + Tank tightness, line leak detector	
	function tests 6/28/05 Discovery	
	N+S, OK. Monthly visual inspections -	
	sumps + liners 5/05-7/05 -OK	
	Fills/spills w/ball check -OK; Dispensers-liners/	
	shears/hoses-OK	

Financial Responsibility – Verify owner's coverage. Select coverage type; provide *Carrier* or *Mechanism* info, as appropriate.

_____ None _____ Insurance _____ Other coverage meets federal financial responsibility requirements

Insurance Carrier: Illinois Union Effective Date: 7/8/05 Expiration Date: 7/8/06 (if applicable)

Other Mechanism: _____ Effective Date: _____ Expiration Date: _____ (if applicable)

Based upon the inspection results and information provided by the owner/operator, this facility appears to meet the requirements of Florida Administrative Code 62-761. ○ Yes ○ No ○ CWOE – Compliance without Enforcement
A re-inspection will be scheduled on or after _____ days to verify correction of the non-compliance items noted.

Pinellas CHD	(727) 538-7277 x1143
Storage Tank Program Office	Storage Tank Program Office Phone Number
Lisa Frazier	
Inspector Name – Please Print	Facility Representative Name – Please Print
L Frazier 8/3/05	mailed to owner 8/8/05
Inspector Signature & Date	Facility Representative Signature & Date

Florida Department of Environmental Protection ● Bureau of Petroleum Storage Systems
Storage Tank Facility Compliance Inspection Report

Facility Name: Tierra Verde **Facility ID:** 8945262 **Date:** 8-3-05

Rule Cite 62-761	Description / Inspector's Comments
.600(1)(d) 1062	Monitoring well records were not avail-
.600(1)(e) 1063	able for review at the time of inspection.
.640(2)(c)4 1086	Please provide release detection records
	for May 2005 - July 2005
.710(2) 1123	The above noted records must be
	maintained by the facility for a minimum
	period of two years.
.450(1)(b) 1009	Please submit an ~~accurate~~ Storage Tank
	Registration Form (STRF) to FDEP in
	Tallahassee + to this office documenting
	the change in ownership. LT

Jeb Bush
Governor

FLORIDA DEPARTMENT OF HEALTH

John O. Agwunobi, M.D., M.B.A, M.P.H.
Secretary

PINELLAS COUNTY HEALTH DEPARTMENT

May 19, 2005

Michael Nussbaum
A & J Tierra Verde Ventures LLC.
200 Madonna Blvd.
Tierra Verde, FL. 33715

FILE COPY

Re: **528945262**
Tierra Verde
200 Madonna Blvd.
Tierra Verde
PINELLAS

Dear Mr. Nussbaum:

On May 18, 2005, the annual Florida Administrative Code (FAC) Chapter 62-761 and/or 62-762 pollutant storage tank compliance inspection was performed at the referenced facility. The facility may not be in compliance with the requirements of Chapter 62-761 and/or 62-762. Please refer to the enclosed inspection report and in bold type below for the specific rule citations.

The following non-compliance items require your attention:

1. Proof of third party petroleum liability and corrective action coverage was not available for review. Please provide proof of financial responsibility. **[.400(3)]**
2. The current registration placard was not available for review. Please provide a copy of the registration placard to agency, and display original at facility. **[.400(2)(f)]**
3. Monthly visual inspection reports and monitoring well records were not available for review for the months of April 2004, through May 2005. Please provide missing release detection records. **[.600(1)(d); .600(1)(e); .640(2)(c) 4]**
4. Single walled pressurized piping requires annual line tightness test. Please provide results to the annual line tightness tests. **[.610(3)(a) 2]**
5. Results to the annual line leak detector function test were not available for review. Please provide results to the line leak detector function tests. **[.600(1)(a) 2; .640(4)(a); .700(1)(c) 3]**
6. The above mentioned records were not available for review within five days notice of inspection. Records must be maintained by the facility for a minimum of two years. **[.710(1); .710(2)]**

Tel: (727) 538-7277 • Environmental Engineering • Fax: (727) 538-7293
4175 East Bay Drive, Suite 300, Clearwater, FL 33764

Please provide a written response by June 20, 2005, including any information requested and documentation of corrective actions taken for the items cited above. Failure to respond by the indicated date may result in the initiation of further enforcement action. If you have any questions please contact me at 727-538-7277 xt 1153. Please be sure to include the Facility ID# on all correspondence sent to the Florida Department of Environmental Protection (FDEP) and/or this office.

Sincerely,

James Barnett
Environmental Specialist II
Pollutant Storage Tank Program

Enclosures

Florida Department of Environmental Protection
Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400
Division of Waste Management
Bureau of Petroleum Storage Systems

Storage Tank Facility Compliance Inspection Report

Facility ID 8945262 County 52 Inspection Date 5/18/05

Facility Name Terra Verde Facility Type V

Latitude 27°41'23" Longitude 82°43'15" L/L Method DPHO

Check box to identify type of inspection performed. Update latitude/longitude as necessary. Provide Lat/Long Determination Method. ("Map", "AGPS" (Magellan), "GGPS" (Trimble). Provide the count of USTs - ASTs – Mineral Acid tanks reviewed *during this inspection*	# USTs Inspected	3	# ATSs Inspected	—	# Mineral Acid Tks Inspected	—

COMPLIANCE ASSURANCE INSPECTIONS

Compliance Inspection (Annual)	TCI	✓	Discharge Project – Short Form Evaluation (TCI not req'd)	TDI	
Compliance Inspection (DRF received)	TCDI				
Compliance Inspection (Complaint received)	TCPI		TERMINAL FACILITY		
Installation Inspection	TIN		Discharge Prevention & Response Inspection	DPRI	
Closure Inspection	TXI		Discharge Prevention & Response Certificate Issued	YES	(NO)
Compliance Re-Inspection	TCR		DPRC Certificate Number: #		

Rule Cite 62-761	Inspector's Comments / Violation Description	Violation Code
	Plac- not available for review. RORL-OK FR-None	
	Earthen Sumps, Pipe Boosted, Fills w/Ball check,	
	Spills, Liners, Sheaves, Boxes- OK	
1004 (4)(a)3)	Proof of third Party Petroleum liability & corrective action coverage was not available for review. Please provide Proof of financial responsibility.	
	Sketch/Photo in file	

Financial Responsibility – Verify owner's coverage. Select coverage type; provide *Carrier* or *Mechanism* info, as appropriate.

✓ None ____ Insurance ____ Other coverage meets federal financial responsibility requirements

Insurance Carrier: ____ Effective Date: ____ Expiration Date: ____ (if applicable)

Other Mechanism: ____ Effective Date: ____ Expiration Date: ____ (if applicable)

Based upon the inspection results and information provided by the owner/operator, this facility appears to meet the requirements of Florida Administrative Code 62-761. ○ Yes ● No ○ CWOE – Compliance without Enforcement

A re-inspection will be scheduled on or after 30 days to verify correction of the non-compliance items noted.

Pinellas CHD	727-538-7277
Storage Tank Program Office	Storage Tank Program Office Phone Number
O. Barnett	K
Inspector Name – Please Print	Facility Representative Name – Please Print
5/18/05	K
Inspector Signature & Date	Facility Representative Signature & Date

Florida Department of Environmental Protection ● Bureau of Petroleum Storage Systems
Storage Tank Facility Compliance Inspection Report

Facility Name: Tierra Verde **Facility ID:** 8945262 **Date:** 5/18/05

Rule Cite 62-761	Description / Inspector's Comments
1062 .600(2)(d)	Monthly visual inspection records and
1063 .600(4)(e)	monitoring well records were not available
1086 .640(2)(c)4	for review. Please provide monthly release
	detection records for the months of
	April 2004 through May 2005
1077 .610(3)(a)2	The single walled pressurized piping
	requires an annual line tightness test.
	Please provide Results to the line tightness
	test.
1059 .600(1)(a)2	The results to the annual line leak detector
1103 .640(4)(a)	function test were not available for
1117 .700(1)(c)3	review. Please provide results to the
	annual line leak detector function test.
1122 .710(1)	The above mentioned records were
1123 .710(2)	not available for review within
	5 days notice of inspection. Records
	must be maintained for a minimum
	of 2 years.
	Date of Notification 5/12/05
1093 .900(5)(f)	The current registration Placard was not
	available for review. Please provide a copy
	of the registration Placard to agency and
	display original at facility

APPENDIX D-2

REGULATORY FILE REVIEW DATA

7-ELEVEN FOOD STORE (SITE NO. 2)

Florida Department of Environmental Protection
Bureau of Petroleum Storage Systems
Storage Tank/Contaminated Facility
Name & Address Search

Facility ID#: 8736151
Name: 7-Eleven Food Store #29301
150 Pinellas Bayway S
Tierra Verde, FL 33715
Contact: Smith, Willo
Phone: 407-295-3076

District: SWD
County: 52 - Pinellas
Type: A-Retail Station
Status: Open
Latitude: 27:41:26.2461
Longitude: 82:43:13.6966
LL Method: DPHO-Autonomous GPS

Account Owner: 7-Eleven Inc

Tank #	Size	Content	Installed	Placement	Status	Construction	Piping	Monitor
4	10000	Unleaded Gas	09/01/2005	UNDER	In Service	A E I O P M N	N M K J	F K L H 1 2 3 4
5	10000	Unleaded Gas	09/01/2005	UNDER	In Service	A E I O P N M	N M K J	F H K L 1 2 3 4
1	10000	Unleaded Gas	10/01/1987	UNDER	Removed from Site			
2	10000	Unleaded Gas	10/01/1987	UNDER	Removed from Site			
3	10000	Unleaded Gas	10/01/1987	UNDER	Removed from Site			

***Note:**

Construction, Piping, and Monitoring Info not shown for CLOSED tanks (Status A: Closed in Place, B: Removed from the site).

Jeb Bush
Governor

FLORIDA DEPARTMENT OF HEALTH

John O. Agwunobi, M.D., M.B.A., M.P.H.
Secretary

PINELLAS COUNTY HEALTH DEPARTMENT

February 1, 2005

COPY

Mr. Ron H. Noble
Fowler White Boggs Banker, P.A.
P.O. Box 1438
Tampa, Florida 33601

Re: 7-Eleven #29301
FDEP Facility No. 528736151
Discharge Date, November 29, 1988, that is eligible for EDI, Score 11
Discharge Date, February 22, 1993, that is potentially eligible for PCPP (no application has been received)

Dear Mr. Noble,

The Environmental Engineering Division of the Pinellas County Health Department (PInCHD) has been authorized by contract with the Florida Department of Environmental Protection (FDEP) to administer petroleum contamination cases in Pinellas County. This letter is in response to your recent inquiry about coverage for petroleum cleanup costs under the Early Detection Incentive (EDI) Program and the Petroleum Cleanup Participation Program (PCPP) at the above referenced facility.

The site has two reported petroleum discharges with dates of discovery of November 29, 1988, and February 22, 1993. The November 29, 1988, discharge is eligible for state funded cleanup under EDI, which is funded by the Inland Protection Trust Fund (IPTF). The IPTF pays for the cleanup of the petroleum contamination, including restoring the property as near as practicable to the conditions that existed prior to the remediation activites, on the eligible source property. This eligibility remains with the discharge even if title to the source property is later transferred. The IPTF will also pay for the cost of cleanup if the eligible petroleum contamination has migrated onto any nearby properties. Cleanups occur in priority order and are contingent upon appropriations from the Florida Legislature.

Property owners are nearly always liable for contamination on their own property. However, the Department will not take enforcement action for cleanup or for cost recovery against an owner of property where pollutants have migrated from sources outside of the property; provided, that the owner did not cause, contribute to or exacerbate the release or discharge, the person causing the release is not contractually related to the owner, and the owner is not alternatively liable as a generator or transporter, or as owner/operator of the source. This policy extends to the nearby property owner's (contaminated non-source property owner) successors and lenders. See §376.308, Florida Statutes.

The nearby property owner is not without responsibilities, however. The nearby property owner should grant site access (in some circumstances must grant site access) to allow inspections, assessment and remediation of the contamination on the property. If there are construction activities on their property such activities must not cause further spreading of and/or exacerbate

Jeb Bush
Governor

FLORIDA DEPARTMENT OF HEALTH

M. Rony François, M.D., M.S.P.H., Ph.D.
Secretary, Department of Health

PINELLAS COUNTY HEALTH DEPARTMENT

November 28, 2005

Jack Wright
7 - Eleven, Inc.
1300 Lee Road
Orlando, FL 32810

Cleanup
COF

RE: Facility ID# 528736151
7 – Eleven Food Store #29301
150 Pinellas Bayway South
St Petersburg
PINELLAS

Dear Mr. Wright:

The Engineering Division of the Pinellas County Health Department has been authorized by contract with the Florida Department of Environmental Protection (FDEP), to review closure reports for storage tank system facilities within Pinellas County. The review is performed in accordance with the provisions of Chapter 62-761 Florida Administrative Code (FAC), which includes the Storage Tank System Closure Assessment Requirements (April 1998), and the cleanup criteria for sites contaminated by petroleum products as set forth in Chapter 62-770, FAC.

On November 7th, 2005 this agency received a Closure Report as prepared by Shaw Environmental, Inc., on your behalf. It has been determined that the closure "is in accordance with" the April 1998 Storage Tank System Closure Assessment Requirements.

Please note that this letter does not certify that the site is clean. This agency understands that petroleum contamination has been previously reported which will require cleanup activities in accordance with the petroleum contamination site cleanup criteria Rule 62-770, FAC. Additionally, the FDEP reserves the right to require appropriate actions for this site in accordance with the petroleum contamination site cleanup criteria Rule 62-770, Florida Administrative Code, if any contamination is discovered in the future.

If I may be of assistance, please contact me at (727) 538-7277 extension 1133.

Sincerely,

Joseph A. Sowers
Environmental Supervisor II
Pollutant Storage Tank Program

Shaw Environmental, Inc.
725 U.S. Highway 301 South
Tampa, FL 33619-4349
813.626.2336
Fax: 813.626.1663

Shaw® Shaw Environmental, Inc.

November 4, 2005

PINELLAS COUNTY
HEALTH DEPARTMENT
NOV 07 2005
ENVIRONMENTAL
ENGINEERING

FILE ✓

Mr. Willo Smith
7-Eleven, Inc.
1300 Lee Road
Orlando, Florida 32810

Re: Tank Closure Report
7-Eleven Store No. 29301
150 Pinellas Bayway
Tierra Verde, Pinellas County, Florida
FDEP Score 11
FDEP Facility ID No. 528736151
Project No. 828891-29301000

Dear Mr. Smith:

From September 6 to October 5, 2005, the underground storage system was replaced at the referenced facility. Three 10,000-gallon, single-walled, fiberglass-clad steel underground storage tanks (USTs) and associated piping were removed and replaced with two 10,000-gallon, Xerxes® double-walled, fiberglass USTs by Techniflow, Inc. The old tanks were defumed and removed in accordance with APT 1604. After the tanks were defumed, holes greater than 2 feet in diameter were cut in both ends rendering the tanks useless as storage vessels. The removed tanks were transported by Deans Towing to Trademark Metals in Tampa, Florida, for disposal. The Limited Closure Summary Report Form, Underground Storage System Installation and Removal Form for Certified Contractors, Indemnification Agreement and Release, and Non-Hazardous Waste Manifest are in **Attachment A.**

On September 15, 2005, Shaw Environmental, Inc. installed six soil borings along the perimeter of the UST area. Soil boring locations are shown on **Figure 1.** During the installation of the soil borings, soil was collected every foot to 1 foot into the water table and analyzed onsite for organic vapors using a PE Photovac® organic vapor analyzer (OVA) equipped with a flame-ionization detector and screened for methane using a charcoal filter. The OVA results indicated that soil samples contained net organic readings of less than 10 parts per million (ppm) to 764 ppm. OVA readings are summarized in **Table 1.**

Six soil samples (SB-1 through SB-6) were collected on September 15, 2005, and sent to Accutest Laboratories (Accutest) in Orlando, Florida, and analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX) and methyl tertiary butyl ether (MTBE) by US Environmental Protection Agency (EPA) Method 8021, for polynuclear aromatic hydrocarbons (PAHs) by EPA Method 8310, and for total recoverable petroleum hydrocarbons (TRPH) by Florida Department of Environmental Protection (FDEP) Method FL-PRO. The soil analytical results are summarized in **Table 1.** Additional soil samples needed for soil thermal treatment purposes were also collected. Copies of the soil laboratory reports are in **Attachment B.**

Dewatering activities were conducted at the site from September 10 through 15, 2005. All groundwater removed from the excavation was treated using an air stripper and discharged to the local storm drain system. A groundwater sample was collected at the influent to the air stripper on September 13, 2005,

and sent to Accutest in Orlando, Florida, to be analyzed for BTEX and MTBE by EPA Method 8021, for PAHs by EPA Method 8310, and for TRPH by FDEP Method FL-PRO. The groundwater analytical results are in **Table 2.** A copy of the groundwater analytical report is in **Attachment B.** A Discharge Monitoring Report was sent to the FDEP on September 30, 2005.

During replacement activities, 462.16 tons of contaminated soil was excavated from the new UST pit and sent to Kleensoil in Palmetto, Florida, for thermal treatment. Copies of the soil manifests are in **Attachment A.**

One 12-inch manhole was installed onsite for a future monitor well to replace monitor wells that were destroyed during UST upgrade activities. The location of the manhole is depicted on **Figure 1.**

This facility is eligible for state-funded cleanup under the FDEP Preapproval Program. The facility currently has a score of 11. Additional cleanup work should be performed under the Preapproval Program.

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, nor the use of segregated portions of this report.

Should you have any questions or need additional information, please contact David Petersen at (813) 612-3683 or me at (813) 612-3616.

Sincerely,
Shaw Environmental, Inc.

Scott Jordan
Project Engineer

David Petersen
Project Manager

Attachments: Tables
Figure
Attachment A—Limited Closure Summary Report Form, Underground Storage System Installation and Removal Form for Certified Contractors, Indemnification Agreement and Release, Non-Hazardous Waste Manifest, and Soil Manifests
Attachment B—Laboratory Analytical Reports and Chain-of-Custody Records

cc Ernest Roggelin, Pinellas County Health Department
Shaw/7-Eleven Portal
Tampa Project File

Florida Department of Environmental Protection – Bureau of Waste Cleanup – Petroleum Cleanup Section

TABLE 1: SOIL DATA SUMMARY

Facility Name: 7-Eleven Store No. 29301 **Facility ID No.: 528736151**

Sample				OVA Screening Results			Laboratory Analysis (mg/kg)								
ID Number	Date	Approx. Depth to Water (feet)	Sample Interval (ft bls)	Total Reading (ppm)	Carbon Filtered (ppm)	Net Reading (ppm)	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	TRPH	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene
SCTLs - Direct Exposure Residental							**1.2**	**7,500**	**1,500**	**130**	**4,400**	**460**	**55**	**200**	**210**
SCTLs - Leachability Based on Groundwater Criteria							**0.007**	**0.5**	**0.6**	**0.2**	**0.09**	**340**	**1.2**	**3.1**	**8.5**
SB-1	09/15/05	4.5	1	NS		NS									
			2	<10		<10									
			3	<10		<10									
			4	<10		<10	<0.0026	<0.0026	<0.0026	<0.0058	<0.0026	<6.4	<0.092	<0.092	<0.092
			5	1,459	962	497									
SB-2	09/15/05	4.5	1	<10		<10									
			2	<10		<10	<0.0026	<0.0026	<0.0026	<0.0058	<0.0026	<5.9	<0.087	<0.087	<0.087
			3	<10		<10									
			4	<10		<10									
			5	2,267	1,503	764									
SB-3	09/15/05	4.5	1	<10		<10									
			2	<10		<10									
			3	10.4	6.2	<10	<0.0028	<0.0028	<0.0028	<0.0062	<0.0028	8.58 (I)	<0.088	<0.088	<0.088
			4	<10		<10									
			5	<10		<10									
SB-4	09/15/05	4.5	1	31.6	27.9	<10	<0.0025	<0.0025	<0.0025	<0.0055	0.0072	34.2	<0.093	<0.093	<0.093
			2	<10		<10									
			3	<10		<10									
			4	NS		NS									
			5	NS		NS									
SB-5	09/15/05	4.5	1	<10		<10	<0.0025	<0.0025	<0.0025	<0.0056	<0.0025	17.4	<0.098	<0.098	<0.098
			2	<10		<10									
			3	<10		<10									
			4	<10		<10									
			5	<10		<10									
SB-6	09/15/05	4.5	1	<10		<10									
			2	<10		<10	<0.0025	<0.0025	<0.0025	<0.0057	<0.0025	10.7	<0.091	<0.091	<0.091
			3	<10		<10									
			4	<10		<10									
			5	<10		<10									

Notes: SCTLs = Soil Cleanup Target Levels per Chapter 62-777, Table II, Florida Administrative Code
ft bls = feet below land surface
mg/kg = milligrams per kilogram
MTBE = methyl tertiary butyl ether
NS = no sample collected
ppm = parts per million
TRPH = total recoverable petroleum hydrocarbons
Flagged consistuent data qualifers can be reviewed with attached laboratory final report.

TABLE 2: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY

Facility Name: 7-Eleven Store No. 29301 **Facility ID No.: 528736151**

Sample		Laboratory Analysis (µg/L)															
ID Number	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	TRPH	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Flouranthene	Indeno(1,2,3-cd) pyrene	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene
GCTLs		1	40	30	20	20	5,000	0.2	0.2	0.2	210	0.5	280	0.2	14	28	28
NADCs		100	400	300	200	200	50,000	20	20	20	2,100	50	2,800	20	140	280	280
Groundwater Influent	09/13/05	<0.50	0.70	<0.50	15.3	102	476	<0.050	<0.099	<0.050	<0.099	<0.099	<0.50	<0.050	<0.99	<0.50	<0.50

Notes: GCTLs = Groundwater Cleanup Target Levels per Chapter 62-777, Table I, Florida Administrative Code (FAC)
NADCs = Natural Attenuation Default Concentrations per Chapter 62-777, Table V, FAC
µg/L = micrograms per liter
MTBE = methyl tertiary butyl ether
TRPH = total recoverable petroleum hydrocarbons
Flagged constituent data qualifers can be reviewed with attached laboratory final report.
Bold and shading indicate GCTLs exceeded

Department of Environmental Protection

Twin 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: July 13, 1998

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: 09/22/05	FDEP Facility ID Number: 52/8736151	County: Pinellas
Facility Name: 7-Eleven Store No. 29301		Facility Telephone #: (727) 867-8698
Facility Address: 150 Pinellas Bayway, Tierra Verde, Pinellas County, Florida		
Owner or Operator Name: 7-Eleven, Inc.		Owner/Operator phone #: (407) 532-2039
Mailing Address: 1300 Lee Road, Orlando, Florida 32810		

Storage Tank System Closure Information

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

☐ Aboveground	☒ Underground

2. General System Information

Types of Products Stored: unleaded gasoline	Number of Tanks Closed: 3	Age(s) of Tanks: 18 yrs

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

☒ Tank Systems Removal?	☒ Spill Containment Installation?	☐ Change in Storage to a Non-Regulated Substance?
☐ Tank Systems Closed in Place?	☒ Dispenser Liners Installation?	☐ Release Prevention Barrier Installation?
☒ Piping Sump Installation?	☒ Secondary Containment Installation?	☒ Other? (please explain) UST system upgrade to meet 2009 regulations

4. Please Check Yes or No to the following:

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

Signature of owner or operator

Scott Jordan
Signature of person performing Limited Closure Assessment

Scott Jordan
Name of person performing Limited Closure Assessment

(date) September 23, 2005 (date) 10/20/05 Affiliation Shaw Environmental, Inc.

Florida Department of Environmental Protection
Twin Towers Office Bldg.•2600 Blair Stone Road•Tallahassee, Florida 32399-2400

DEP Form # 62-761.900(5)
Form Title: UST Contractor Form
Effective Date: July 13, 1998

Underground Storage System Installation and Removal Form for Certified Contractors

Pollutant Storage Systems Contractor as defined in Section 489.113, Florida Statutes (certified contractors as defined in Section 62-761.200, Florida Administrative Code) shall use this form to certify that the installation, replacement or removal of the underground storage tank system(s) located at the address listed below was performed in accordance with Department Reference Standards. This includes system components such as dispenser liners, piping sumps, and overfill protection devices.

General Facility Information

Facility Name: 7-Eleven Store #29301	DEP Facility Identification No.: 528736151
Street Address (physical location): 150 Pinellas Bayway, Tierra Verde, FL 33715	
County: Pinellas	Telephone #: ( ).
Owner Name: 7-Eleven, Inc.	Telephone #: (407)532-2039
Owner Address: 1300 Lee Rd., Orlando, FL 32810	

Storage Tank System Information

Number of Tanks Installed: (2) 10,000 gallon	Number of Tanks Removed: (3) 10,000 gallon
Date Work Initiated: 9/6/05	Date Work Completed: 10/5/05
Tank(s) Manufactured by: Xerxes	
Description of work Completed: Removed f.g. clad steel tanks & assoc. piping. Installed d.w. f.g. Xerxes UST's & stp	
sumps. Installed Environ liners & Geoflex coaxial piping. Installed OPW 61SO-400C overfill protection, Emco Whoaton,	
A1004-210S-SL d.w overspill containers & Vaporless leak detectors.Reconnected TLS350 tank monitor. Tested system	

Certification

I hereby certify and attest that I am familiar with the facility that is registered with the Florida Department of Environmental Protection; that to the best of my knowledge and belief, the storage tank system installation, replacement or removal at this facility was conducted in accordance with Chapter 489, Florida Statutes, Section 376.303, Florida Statutes, and Chapter 62-761, Florida Administrative Code, and its adopted reference standards and documents for underground storage tank systems.

Carl E. Mooney/Techniflow, Inc.
(Type or Print)
Certified Pollutant Tank Contractor Name

PCC048391
PSSC Number
Pollutant Storage Systems
Contractor License Number

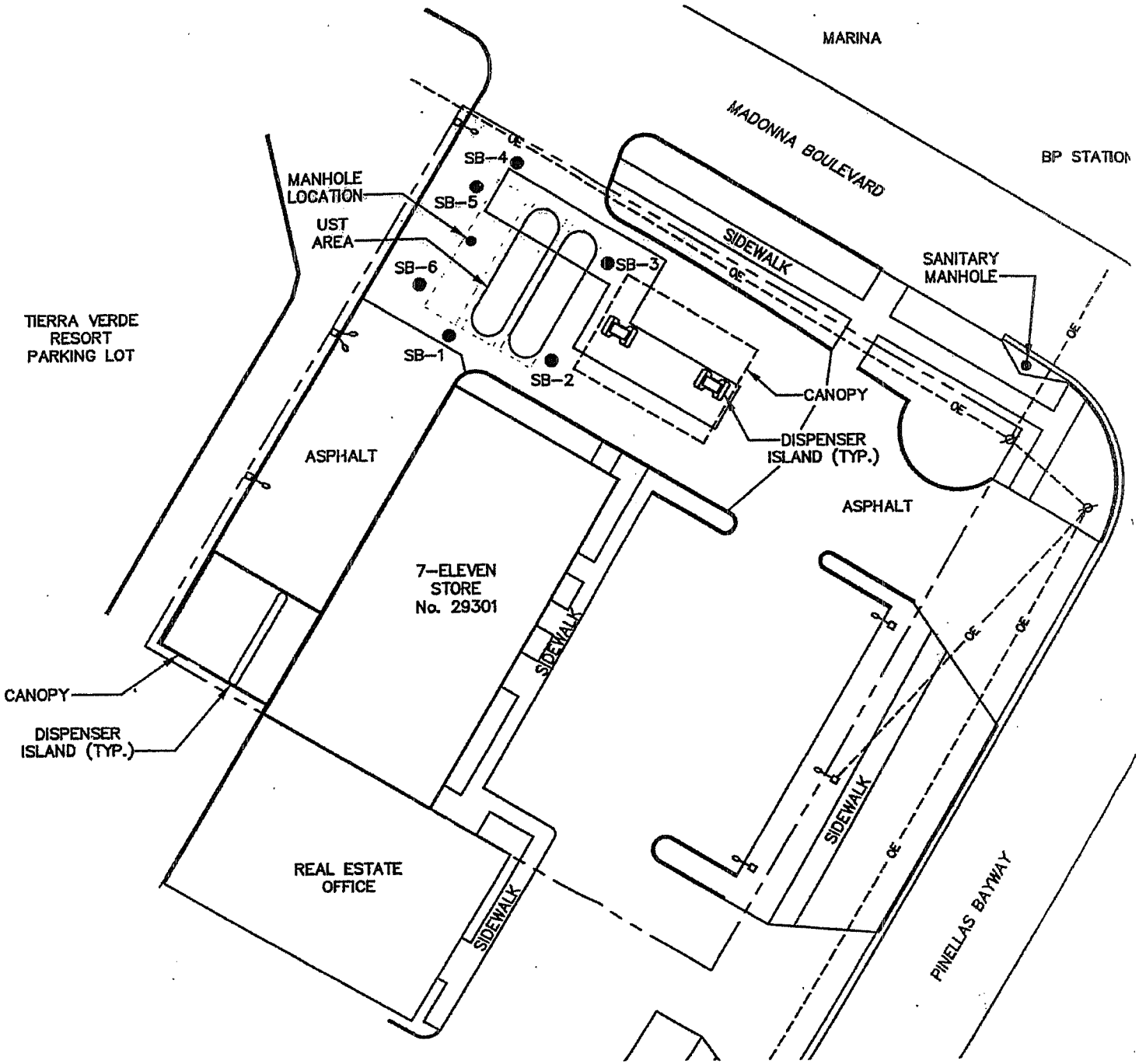
Carl E Mooney
Certified Tank Contractor Signature

10/11/05
Date

Richard Williams
Field Supervisor Name

10/11/05
Date

The owner or operator of the facility must register the tanks with the Department upon completion of the installation. The installer must submit this form to the County no more than 30 days after the completion of installation, replacement, or removal of a storage tank


MARINA
MADONNA BOULEVARD
BP STATION
SB-4
SB-5
SB-6
SB-1
SB-2
SB-3
MANHOLE LOCATION
UST AREA
SIDEWALK
SANITARY MANHOLE
TIERRA VERDE RESORT PARKING LOT
CANOPY
DISPENSER ISLAND (TYP.)
ASPHALT
ASPHALT
7-ELEVEN STORE No. 29301
SIDEWALK
CANOPY
DISPENSER ISLAND (TYP.)
SIDEWALK
REAL ESTATE OFFICE
SIDEWALK
PINELLAS BAYWAY

the contamination. If any contaminated soil, groundwater or other media are removed it must be properly treated and/or disposed of in accordance with Department rules.

Once funding becomes available to clean up an EDI discharge, the source property owner will be notified and will be required to provide access to the property. Additionally, any outstanding deductibles must be paid. Clean up will continue until a Site Rehabilitation Completion order (SRCO) (with or without conditions) is issued for the discharge. At that point the State's obligation to clean up the eligible petroleum contamination ends unless, as indicated in the Order, it is later discovered that the 'old' eligible petroleum contamination still exists. If the eligible contamination remains at levels that exceed the requirements contained in the petroleum clean up rule, the State will resume clean up pursuant to the provisions of the EDI. For an EDI site, there are no deductibles, no limit on the amount of money spent on the clean up, and the Department does not pursue cost recovery. See subsections 376.3071(7)(a) and (9), Florida Statutes. However, EDI does not pay for the cost of any discharges after the date of the EDI eligibility order. Additionally, an owner/operator who exacerbates the existing contamination or does not properly dispose of any excavated contaminated media or refuses to allow access to the property may become liable for some or all of the contamination pursuant to the provisions in section 376.308, F.S.

The February 22, 1993, discharge is potentially eligible for PCPP, also funded by the IPTF. Discharges eligible for the PCPP are eligible for up to $300,000 of state funds, subject to the submission of a Limited Contamination Assessment Report (LCAR), a co-payment and entering into a PCPP agreement to clean up the petroleum contamination that is associated with the PCPP eligibility order. Please note that, for this discharge, no PCPP application has been submitted. Therefore, PCPP eligibility has not been determined. The LCAR and co-payment requirements for PCPP may be reduced or waived for all responsible parties based upon the financial capabilities of each responsible party. See Section 376.3071(13), F.S.

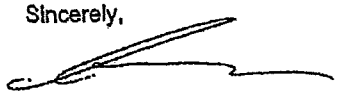
Any discharges not listed on an eligibility Order and any non-petroleum contamination are not covered by IPTF funded programs and, therefore, are not subject to the same protections afforded by subsection 376.308(5), F.S. The Priority Ranking Score for this site is 11. Currently, the FDEP is finding cleanups for sites with a score of 31 or higher.

The FDEP does not restrict usage of the subject or adjacent properties (construction, new buildings, etc.) due to the presence of petroleum contamination. However, contaminated properties are still subject to all other existing state and local codes and ordinances. It is FDEP policy to make reasonable efforts to minimize the impact of site remediation on the business and affairs of those occupying the affected properties. Site activities initiated by an owner or operator, including construction and/or well installation, must not cause further spreading of and/or exacerbate the contamination. If any contaminated soil, groundwater or other media are removed it must be properly treated and/or disposed of in accordance with FDEP rules. As reminders, worker safety on contaminated construction sites is regulated by the Federal Occupational Safety and Health Administration (OSHA), and the presence of petroleum vapors in concentrations high enough to present explosive or fire hazard should immediately be brought to the attention of the local Fire Department.

To facilitate cleanup, if the real property ownership changes, the FDEP should be notified in writing of the name and mailing address of the new property owner(s). Please send such notification to the Florida Department of Environmental Protection, Bureau of Petroleum Storage Systems, 2600 Blair Stone Road, MS 4525, Tallahassee, Florida 32399-2400.

Because petroleum contamination may remain on the property for some time during the cleanup, owners and operators are encouraged to coordinate any construction activities which require digging with our office. Further information about the status of the storage tanks may be found on the internet at http://tlhora6.dep.state.fl.us/www_stcm/reports/STCM02.asp. If you should have any questions or need further information, please feel free to contact me at the letterhead address, or by telephone at (727) 538-7277, extension 1108.

Sincerely,



Andrew Moore, P.G.
Professional Geologist I
Pollutant Storage Tank Cleanup Program

APM/hs

Cc: Ms. Grace Rivera, Bureau of Petroleum Storage Systems
Mr. Tal Aviram, ANB Enterprises, Inc., One Progress Plaza, Suite 450, St. Petersburg, Florida 33701

FOWLER WHITE
BOGGS BANKER
ATTORNEYS AT LAW
ESTABLISHED 1943

RON H. NOBLE
DIRECT DIAL: 813-222-1175
RNOBLE@FOWLERWHITE.COM

January 13, 2005

Rebecca Grace, Esquire
Senior Assistant General Counsel
Office of General Counsel
Florida Department of Environmental Protection
3900 Commonwealth Boulevard MS-35
Tallahassee, FL 32399-3000

Re: Petroleum Contamination Issues for 7-Eleven facility located at
150 Pinellas Bayway South in Tierra Verde, Pinellas County, Florida
FDEP Facility ID No.: 528736151

Dear Rebecca:

This firm represents A & S Tierra Verde Ventures, L.L.C. ("A & S Tierra Verde") in connection with its ownership and proposed redevelopment of the Tierra Verde Marina located at 200 Madonna Boulevard in Tierra Verde, Pinellas County, Florida. The Tierra Verde Marina property is located immediately adjacent to the 7-Eleven Convenience Store #29301 located at 150 Pinellas Bayway South. The purpose of this correspondence is to request confirmation and additional information from the Department regarding the status of petroleum contamination issues at the above-referenced 7-Eleven facility.

The 7-Eleven Convenience Store #29301 located at 150 Pinellas Bayway South has been assigned facility identification number 528736151 by the Department. We understand that a discharge of petroleum products was reported to the Department for this facility on or about November 29, 1988, and this facility has been granted eligibility under the State of Florida Early Detection Incentive Petroleum Cleanup Program. As an initial matter, we are requesting confirmation from the Department that the above-referenced 7-Eleven facility has been granted eligibility from the Department for participation in the Early Detection Incentive Program to address the assessment and remediation of petroleum product contamination at this facility.

A & S Tierra Verde proposes to redevelop the Tierra Verde Marina. This project would involve the demolition of on-site structures and the construction of a state-of-the-art marina facility, residential dwelling units and supporting uses. In the course of performing environmental due diligence activities prior to its acquisition of the Tierra Verde Marina property, A & S Tierra Verde retained an environmental consultant to further investigate the

extent of petroleum product contamination in connection with the 7-Eleven facility. Soil and groundwater testing performed on behalf of A & S Tierra Verde has documented that petroleum product contamination has migrated from the 7-Eleven facility onto the Tierra Verde Marina property.

In the course of future redevelopment activities, it is possible that A & S Tierra Verde and its contractors will be required to perform demolition and construction activities on portions of the A & S Tierra Verde property which has been impacted by the migration of petroleum product contaminants from the 7-Eleven facility. We are therefore seeking confirmation from the Department that A & S Tierra Verde will not incur liability for the assessment or remediation of petroleum product contamination emanating from the 7-Eleven facility and migrating to the A & S Tierra Verde property in connection with the proposed site demolition and redevelopment activities. Specifically, A & S Tierra Verde requests written confirmation from the Department regarding the Department's policy on the migration of petroleum product contamination to adjacent properties. We further understand that the Department has no prohibitions which would restrict or prohibit an adjacent property owner such as A & S Tierra Verde from developing its property even if such property has been impacted by a release of petroleum products from an adjacent source of contamination.

We have advised A & S Tierra Verde the Department has two primary concerns associated with the development of property which has been impacted by a release of petroleum products from an off-site source of contamination. Specifically, A & S Tierra Verde must ensure that petroleum product contamination originating from an off-site source is not spread to areas of the property which are uncontaminated. In addition, A & S Tierra Verde should ensure that engineering design for on-site stormwater retention and other drainage facilities do not result in a modification of surficial groundwater flows which alter the direction or rate of groundwater flow so as to spread the groundwater contaminant plume. Please be assured that A & S Tierra Verde's future development and construction plans for the subject property will maintain conformance with the above-referenced guidance administered by the Department.

In summary, we respectfully request the Department issue written correspondence to my attention at the above address confirming the following:

1. The above-referenced 7-Eleven facility (FDEP Facility ID No.: 528736151) has been granted eligibility under the Early Detection Incentive Program which will serve as the funding source for the assessment and remediation of petroleum product contamination from this facility;

2. The Department has no prohibitions against the development of property which has been impacted by a release of petroleum products from an off-site source of contamination; and

3. A & S Tierra Verde will not incur liability to the State of Florida or any other parties in connection with future site development activities which do not

Florida Department of Environmental Regulation
Twin Towers Office Bldg. ● 2600 Blair Stone Road ● Tallahassee, Florida 32399-2400
Bob Martinez, Governor Dale Twachtmann, Secretary John Shearer, Assistant Secretary

July 27, 1989

Mr. Bud Good
Environmental Coordinator
The Southland Corporation
1700 University Drive
Suites 220 & 302
Coral Springs, Florida 33065

Dear Mr. Good:

The Department has concluded its review of the documentation submitted in accordance with paragraph 376.3071(9)(b), Florida Statutes (F.S.), and determined that your site, 7-Eleven #29301, located at 150 Pinellas Bay Way, St. Petersburg, Florida, is eligible for state-administered cleanup under the Early Detection Incentive Program.

Persons whose substantial interests are affected by this Order of Determination of Eligibility have a right, pursuant to Section 120.57, Florida Statutes, to petition for an administrative determination (hearing). The Petition must conform to the requirements of Chapters 17-103 and 28-5, Florida Administrative Code, and must be filed (received) with the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within twenty-one (21) days of receipt of this notice. Failure to file a petition within the twenty-one (21) days constitutes a waiver of any right such persons have to an administrative determination (hearing) pursuant to Section 120.57, Florida Statutes.

This Order of Determination of Eligibility is final and effective on the date of receipt of this Order unless a petition is filed in accordance with the preceding paragraph. Upon the timely filing of a petition, this Order will not be effective until further order of the Department.

When the Order is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes by filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; 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 from the date the Final Order is filed with the clerk of the Department.

The DER Facility Number for this site is 528736151. Please use this identification on all future correspondence with the Department.

Any questions you may have on the technical aspects of this Order of Determination of Eligibility should be directed to Craig Ash at 904/487-3299. Contact with the above named person does not constitute a petition for administrative determination.

Sincerely,

Richard G. Wilkins

Richard G. Wilkins, Director
Division of Waste Management

RGW:lfk

DER File #52-4860

File Number 5048640
Site Name 7-Eleven #29301
Fac ID# 5037361S1
Latitude 27° 41' 26" Longitude 82° 43' 17"
Rose-A-Grille Basket

SITE PRIORITY RANKING - EDI PROGRAM

Criteria	Yes	No	Points
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 pts.)	___	✓	0
2. Ignitable free product on surface waters or impoundments (60 pts.)	___	✓	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 site (30 pts.) SE ✓ TOPO N DWDB N HRS CAR	___	✓	0
Additionally:			
a. If the well field's 1 foot drawdown contour is known to incompass the site regardless of the well field's distance from the site (20 pts.)	___	✓	0
or			
b. If the well field is located down-gradient of the site (15 pts).			
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 site (20 pts.) SE ✓ TOPO N DWDB N HRS CAR	___	✓	0
Additionally:			
a. If the well field's 1 foot drawdown contour is known to encompass the site regardless of the well field's distance from the site (10 pts.)	___	✓	0
or			
b. If well field is located down-gradient of the site (5 pts.)	___	✓	0
3. Uncontaminated surface water body used as a public water system supply within 1/2 mile of site (10 pts.)	___	-	0

	Yes	No	Points
Migration Potential			
1. Source characteristics (select one only)			
a. Recent spill or free product found in wells/boreholes (4 pts.) except free product of 2 inches or more in 2 or more wells/boreholes (6 pts.)		✓	0
b. Recent product loss or wells/groundwater contaminated but no free product (2 pts.)	✓		2
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 pts.)		✓	0
b. Light petroleum product with no additives or enhancers (2 pts)	✓		2
c. Heavy petroleum product (fuel oil, diesel and similar petroleum products) (1 pt.)		✓	0
Environmental Setting			
1. Site located in G-1 area (4 pts.)		✓	0
2. Site located in G-2 aquifer (2 pts.)	✓		2
3. Site located in high recharge/permeability geological area (4 pts.)	✓		4
4. Site located within 1/2 mile of an Outstanding Florida Water (1 pt.)	✓		1
Program Task completed by owner or operator			
1. Free product recovery conducted within 30 days of discharge discovery in accordance with Section 17-70, F.A.C. (3 pts.)		✓	0
2. Excavation of greater than 30 cubic yards of excessively contaminated soils, as defined in Section 17-70, F.A.C., within 30 days of discharge discovery (2 pts.)		✓	0
3. Contamination Assessment Report to be completed in accordance with Section 17-70.009, F.A.C., or a Consent Order, if appliable (2 pts.)		✓	0
4. Remedial Action Plan and Remedial Action to be completed in accordance with Section 17-70.010 and 17-70.011, F.A.C., or Consent Order, if applicable (5 pts.)		✓	0
		Total points	11

Comments slight odor

L. Hamilton
Signature

7/27/89
Date

524860

Department of Environmental Regulation
EARLY DETECTION INCENTIVE PROGRAM
NOTIFICATION APPLICATION

RECEIVED
DEC 5 1988
BUREAU OF WASTE CLEANUP
Office Plaza

Use this form to notify the Department of Environmental Regulation of petroleum contamination problems. This form is required to determine eligibility for the EDI program. FOR NOTIFICATION PURPOSES ONLY.

PLEASE PRINT OR TYPE
Put "X" where answer is unknown.

1. Business/Site Name: 7-ELEVEN STORE # 29301
   Business/Site Operator: THE SOUTHLAND CORPORATION
   Business/Site Owner: _____ Property Owner: _____
   Business/Site Address: 150 PINELLAS BAY WAY, ST. PETE, FLORIDA 33715
   Telephone Number: (305) 755-3711 (Business) _____ (Home) County: PINELLAS
   Mailing Address: 1700 UNIVERSITY DR. SUITE 220/302 CORAL SPRINGS, FL. 33071

2. Date of discovery: 11-29-88 (month/day/year)

3. Have you previously reported this discharge to DER? ☒ No ☐ Yes
   If yes, date of report and to whom _____

4. Method of initial discovery (circle one only)
   A. Automatic detector in ground, monitoring well, or containment
   B. NFPA 329 test (underground tanks only)
   C. Manual test of monitoring wells(s)
   D. Emptying and inspection
   E. Inventory control
   F. Odor or visible signs at facility or in vicinity
   G. Other _____ (explain)

5. Estimated number of gallons lost: 0

6. What part of the storage system is leaking? (circle all that apply) A. Dispenser B. Pipe C. Fitting D. Tank E. Overfill F. Unknown
   Has the system been repaired? ☒ No ☐ Yes ☐ Unknown

7. Cause of leak (circle all that apply)
   A. Unknown
   Piping: B. Split; C. Loose Connection; D. Other _____
   Tank: G. Split; H. Corrosion; I. Puncture
   J. Installation failure; P. Overfill; Q. Accident; R. Other _____

8. If a tank is leaking, circle the choices which describe the type
   A. Aboveground; B. Factory welded; C. Field erected; D. Underground
   E. Bare or asphalt-coated steel; F. Fiberglass-clad steel; G. Fiberglass; H. Sacrificial anode type
   I. Impressed current type; J. Double walled; K. Abandoned or out of service; M. Other or unknown _____ (explain)

9. Type of product discharged (circle one)
   A. Leaded gasoline; B. Unleaded gasoline; C. Gasohol or alcohol-enriched gasoline; D. Vehicular diesel; E. Aviation fuel
   K. Kerosene; L. Used oil; M. General diesel; V. Other _____ (explain); Z. Unknown _____ (explain)

10. DER Facility Number 528736151

11. DER Tank Number _____

12. TO THE BEST OF MY KNOWLEDGE AND BELIEF ALL INFORMATION SUBMITTED ON THIS FORM IS TRUE, ACCURATE AND COMPLETE.

Signature of Person Completing Form — Title ENVIRONMENTAL COORDINATOR — Date 11-29-88

DER Form 17-70.001(1) October 10, 1986

Department of Environmental Regulation

Discharge Notification Form

Form 17-1.218(3)

Use this form to notify the Department of Environmental Regulation of:

1. Results of tank testing which reveal a discharge within 3 working days of testing.
2. Discharges exceeding 100 gallons on pervious surfaces as described in Section 17-61.05(4)(b) within 3 working days of discovery.
3. Positive response of a detection device, monitoring well test of sample or laboratory report within 3 working days of discovery.

Mail to the DER District Office in your district.

PLEASE PRINT OR TYPE
Put "X" where answer is unknown.

1. Facility Number: 528736151 2. Tank Number: _____ 3. Date: 11-29-88

4. Facility Name: 7-ELEVEN STORE # 29301
Facility Operator: The Southland Corporation
Facility Address: 150 PINELLAS BAY WAY, ST. PETE, FLORIDA 33715
Telephone Number: (305) 344-6872 County: PINELLAS
Mailing Address: 1700 University Drive, Suite 220/302, Coral Springs, Florida 33071

5. Date of test or discovery: 11-29-88 month/day/year

6. Method of initial discovery. (circle one only)
A. Automatic detector in ground, monitoring well, or containment.
B. NFPA 329 test (underground tanks only).
(C.) Manual test of monitoring well(s).
D. Emptying and inspection.
E. Inventory control.
F. Odor or visible signs at facility or in vicinity.
G. Other: _____ (explain)

7. Estimated number of gallons lost: _____

8. What part of the storage system is leaking? (circle all that apply) A. Dispenser B. Pipe C. Fitting D. Tank (E.) Unknown

9. If a tank is leaking, circle the choices which describe the type.
A. Aboveground
B. Factory welded
C. Field erected
D. Underground
E. Bare or asphalt-coated steel
F. Fiberglass-clad steel
G. Fiberglass
H. Sacrificial anode type
I. Impressed current type
J. Double walled
M. Other or Unknown _____ (explain)

10. Type of pollutant discharged. (circle one)
A. Leaded Gasoline.
B. Unleaded gasoline.
C. Gasohol or alcohol-enriched gasoline.
E. Aviation fuel.
Y. Other _____
(Z.) Unknown _____ (explain)

11. Cause of leak. (circle all that apply)
(A.) Unknown
Piping
B. Split
C. Loose connection
D. Other _____
Tank
G. Split
H. Corrosion
I. Puncture
J. Installation failure
P. Other _____

12. TO THE BEST OF MY KNOWLEDGE AND BELIEF ALL INFORMATION SUBMITTED ON THIS FORM IS TRUE, ACCURATE, AND COMPLETE.

Bud Good - Environmental Coordinator
Name of Owner, Operator or Authorized Representative

B. Good
Signature of Owner, Operator, or Authorized Representative

KEEP A COPY OF THIS FORM FOR YOUR RECORDS.

ORLANDO LABORATORIES INC

P.O. Box 148127 • Orlando, Florida 32814 • (407) 895-8645

REPORT OF ANALYSIS

Universal Engineering
Attn: Rex Spalding
3852 L.B. McLeod Road
Orlando, Florida 32805

Report #: 53450 (7152)
Sample submitted by: Client(R. Spalding) *
Date Sampled: 10/22/88 @ 9:30 *
Date received: 10/25/88
Date reported: 11/04/88
Page 1 of 2

PURPOSE: To analyze the samples for 602 parameters.
AUTHORIZATION: Chain of Custody Form received from client on 10/25/88.
SAMPLE IDENTIFICATION: Water samples submitted and identified by client as: 29301, 150 Pinellas Bayway Tierra Verde MW-1, MW-3
PROCEDURE: EPA METHOD 602

RESULTS, ug/l

PURGEABLE ORGANICS - AROMATICS	MW-1	MW-3	Method Blank
Benzene	87	ND(1)	ND(1)
Chlorobenzene	ND(1)	ND(1)	ND(1)
1,2-dichlorobenzene	ND(1)	ND(1)	ND(1)
1,3-dichlorobenzene	ND(1)	ND(1)	ND(1)
1,4-dichlorobenzene	ND(1)	ND(1)	ND(1)
Ethylbenzene	13	ND(1)	ND(1)
Styrene	ND(1)	ND(1)	ND(1)
Toluene	34	ND(1)	ND(1)
meta - Xylene & para - Xylene	83	ND(1)	ND(1)
ortho - Xylene	39	ND(1)	ND(1)
MTBE (methyl tert-butyl ether)	ND(1)	ND(1)	ND(1)

* Sampling information based on data supplied by client.
ND = Not detected to the levels in parentheses

Respectfully submitted,
ORLANDO LABORATORIES, INC.

Laboratory Manager

Martin A Brown
Quality Control

OLI Florida Department of Health & Rehabilitative Service Identification Number is 83141.

The Analytical Specialists

QUALITY CONTROL DATA SHEET

DUPLICATES:

PARAMETER	% DIFFERENCE	DATE	ANALYST
1,1,1-Trichloroethane	8	11/02/88	LB
1,1,2,2-Tetrachloroethane	6	11/02/88	LB
1,1-Dichloroethane	1	11/02/88	LB
Toluene	9	11/02/88	LB
Chlorobenzene	1	11/02/88	LB
Ethylbenzene	2	11/02/88	LB

SPIKES:

PARAMETER	% RECOVERY	DATE	ANALYST
1,1,1-Trichloroethane	81/89	11/02/88	LB
1,1,2,2-Tetrachloroethane	105/111	11/02/88	LB
1,1-Dichloroethane	109/110	11/02/88	LB
Toluene	100/109	11/02/88	LB
Chlorobenzene	100/99	11/02/88	LB
Ethylbenzene	99/101	11/02/88	LB

/ic

APPENDIX D-3
REGULATORY FILE REVIEW DATA
DELTONA CORPORATION (SITE NO. 3)

Florida Department of Environmental Protection
Bureau of Petroleum Storage Systems
Storage Tank/Contaminated Facility
Name & Address Search

Facility ID#: 8732229
Name: Deltona Corp
Pinellas Bayway & Madonna Blvd
Tierra Verde, FL 33715
Contact: Deltona Corp
Phone: 305-854-1111

Account Owner: Deltona Corp

District: SWD
County: 52 - Pinellas
Type: C-Fuel User/Non-Retail
Status: Closed
Latitude: 27:41:25.0800
Longitude: 82:43:12.0000
LL Method: ADDM-Address Matching

Tank #	Size	Content	Installed	Placement	Status	Construction	Piping	Monitori
1	550	Waste Oil	05/01/1960	UNDER	Removed from Site			
2	550	Waste Oil	10/01/1962	UNDER	Removed from Site			
3	3000	Leaded Gas	03/01/1966	UNDER	Removed from Site			
4	4000	Leaded Gas	03/01/1962	UNDER	Removed from Site			
5	4000	Leaded Gas	10/01/1962	UNDER	Removed from Site			
6	4000	Leaded Gas	10/01/1962	UNDER	Removed from Site			
7	4000	Leaded Gas	02/01/1963	UNDER	Removed from Site			
8	4000	Leaded Gas	03/01/1966	UNDER	Removed from Site			

***Note:**

Construction, Piping, and Monitoring Info not shown for CLOSED tanks (Status A: Closed in Place, B: Removed from the site).

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
POLLUTANT STORAGE TANK SYSTEM
INSPECTION REPORT FORM - COVER PAGE

CILITY ID #: 526732229 COUNTY: PINELLAS
CILITY NAME: DELTONA CORP
CILITY LOCATION: PINELLAS BAYWAY & MADONNA BLVD, TIERRA VERDE
CILITY CONTACT: DELTONA CORP PHONE: (305) 854-1111
NER: DELTONA CORP PHONE: (305) 854-1111
NER ADDRESS: 3250 SW 3RD AVE, MIAMI, FL, 33129-2712
NER CONTACT: GLENN HOHMEIER OWNER CHANGE DATE 00/00/00

ATITUDE:00-00-00 LONGITUDE:00-00-00 FAC TYPE: NON-RETAIL BUSINESS

NK #	SIZE	CONTENT	INSTALL DATE	UNDER OR ABOVE	TANK TYPE	INTEGRAL PIPING	MONITORING SYSTEM	TANK STAT
	550	L	05/60	U	D	Y	Y	B
	550	L	10/62	U	D	Y	Y	B
	3000	A	03/66	U	D	Y	Y	B
	4000	A	03/62	U	D	Y	Y	B
	4000	A	10/62	U	D	Y	Y	B
	4000	A	10/62	U	D	Y	Y	B
	4000	A	02/63	U	D	Y	Y	B
	4000	A	03/66	U	D	Y	Y	B

COMMENTS: Site appears inactive at this time

SPECTION TYPE (CHOOSE ONE)
X ROUTINE
_ INSTALL
_ ABANDONED
__ DISCHARGE
__ CLOSURE
__ REINSPECT

SITE INFORMATION (ALL THAT APPLY)
__ NEAR PUB WELL
__ CONTAMINATED
__ COMPLAINT
__ ACID TANKS
__ REPAIRED
__ UPGRADED
__ UST & AST
__ HAZARD MAT

R DISTRICT OR LOCAL PROGRAM: Pinellas CHG

INSPECTOR NAME (PRINT) JA Sowers CONTACT NAME (PRINT) _____

JA Sowers 11-14-91
INSPECTOR'S SIGNATURE & DATE

CONTACT'S SIGNATURE & DATE

ne: Deltona Corp
Facility I.D.#: 518732229
Date: 11.14.91

UNDERGROUND STORAGE TANK COMPLIANCE INSPECTION FORM

			Yes	No	Unk	N/A
I.	REGISTRATION/NOTIFICATION: Comments:					
1.	Facility has registered all applicable tanks on site; 17-761.400	1.	X			
2.	Current registration placard is properly displayed; 17-761.410(6)	2.				X
	Proper notification has been made for the following; 17-761.450:					
3.	Proper closure (30 days prior); (1) (a)	3.				X
4.	Change of ownership (30 days after); (1) (b)	4.				X
5.	Upgrading, replacement or installation (10 days prior); (1) (c)	5.				X
6.	Change of tank status (in service/out of service), (within 30 days); (1) (d)	6.				X
7.	Change of facility status (e.g. substances stored), (within 30 days); (1) (e)	7.				X
8.	Change of method of financial responsibility (within 30 days); (3)	8.				X
9.	Start of closure, upgrades or installation (24 hr. verbal or written); (4)	9.				X
II.	RECORD KEEPING: Comments:					
10.	All records were maintained for two (2) years and were available for inspection within five (5) working days; 17-761.710 (1)	10.				X
11.	Some but not all records were maintained for two (2) years and were available for inspection within five (5) working days; 17-761.710 (1)	11.				X
III.	REPORTING/DISCHARGE RESPONSE/REPAIRS: Comments:					
	Proper reporting requirements been met for the following; 17-761.460:					
12.	Results of tightness test; (1)	12.				X
13.	Any spill, overfill, or other discharge within one working day of discovery; (2)	13.				X
14.	Suspected releases within one working day of discovery; (3) (a), (b)	14.				X
15.	Confirmed releases (positive response of a release detection device) within one working day of discovery; (3) (c)	15.				X
	The owner or the operator of the system which has discharged has:					
16.	Taken it out-of-service; 17-761.700 (1), had it repaired or replaced; .700, or properly closed it; .820 (1)	16.				X
17.	Removed any regulated substances from the system; 17-761.820 (1)	17.				X
18.	Tightness tested all repaired components before placing them back in service; 17-761.700 (6)	18.				X
19.	Had repairs or replacements performed by a certified contractor; 489.105 (3)	19.				X
20.	Had tightness tests performed by registered tank tester; 17-761.200	20.				X
21.	Begun initial corrective actions for a release; 17-761.820 (2)	21.				X
IV.	INVENTORY REQUIREMENTS: Comments:					
22.	All inventory requirements maintained in accordance with 17-761.720 (1)	22.				X
23.	Some, but not all inventory requirements maintained in accordance with 17-761.720 (1)	23.				X
V.	PERFORMANCE STANDARDS/CATHODIC PROTECTION Comments:					
	Storage tank criteria; 17-761.500, 520 and .550:					
24.	Facility meets applicable storage tank standards; (1)	24.				X
25.	Systems meet siting requirements; (4)	25.				X
26.	Tank(s) equipped with spill containment; (5) (b)	26.				X
27.	Tank(s) equipped with overfill protection; (5) (b)	27.				X
28.	Facility meets construction upgrading schedule; 17-761.510	28.				X

ne: Deltona Corp
Facility ID #: 5287322 29
Date: 11.14.91

UNDERGROUND STORAGE TANK COMPLIANCE INSPECTION FORM

			Yes	No	Unk	N/A
I.	PERFORMANCE STANDARDS/CATHODIC PROTECTION Continued					
	Piping criteria; 17-761.500:					
	29. New piping has secondary containment; (2)	29.				X
	30. Dispensers are upgraded with properly installed and maintained liners; (6)	30.				X
	31. Facility meets construction upgrading schedule; 17-761.510 (6)	31.				X
	Cathodic Protection/Certified Contractors /Tightness Testing					
	32. Cathodic protection system provides continuous protection; 17-761.730 (1)-(4)	32.				X
	33. PSSSC conducted all storage tank repairs, installations or removals; 17-761.740 (1)-(9)	33.				X
	34. Test performed by a D.P.R.-registered tester; 17-761.740	34.				X
II.	RELEASE DETECTION/MONITORING WELLS Comments:					
	35. New petroleum or hazardous substance storage tanks provided with an approved release detection system upon installation; 17-761.600 (3)	35.				X
	36. All release detection systems meet general release standards; 17-761.600	36.				X
	37. Release detection systems are monitored for a discharge at least every 30 days; 17-761.600 (5)	37.				X
	38. Groundwater monitoring wells are properly sampled and meet the requirements of 17-761.640 (1)	38.				X
	39. Vapor monitoring wells are properly sampled and meet the requirements of 17-761.640 (2)	39.				X
	An approved release detection system is provided for:					
	40. Existing hazardous substance storage tanks; 17-761.560	40.				X
	41. Existing vehicular fuel storage tanks; 17-761.610	41.				X
	42. Other existing regulated substance storage tanks; 17-761.620	42.				X
	43. Integral piping provided with secondary containment; 17-761.630	43.				X
	44. Integral piping without secondary containment; 17-761.640 (8)	44.				X
III.	OUT-OF-SERVICE STATUS Comments:					
	45. Storage systems have been emptied of regulated substances; 17-761.200 (26)	45.				X
	Out-of-Service storage tank systems have; 17-761.800:					
	46. Corrosion protection properly maintained; (1) (a) (1)	46.				X
	47. Release detection system monitored for evidence of a discharge at least every six months; (1) (a) (2)	47.				X
	48. Vent lines open, ancillary equipment secured; (1) (b)	48.				X
	49. Been upgraded or replaced before returning to service; (1) (c)	49.				X
	50. Been tested tight before returning to service; (1) (c)	50.				X
	51. Been out-of-service for no more than two years; (1) (d)	51.				X
	52. Been out-of-service for no more than 12 months (unprotected bare steel systems); (2) (b)	52.				X
	53. Proper closure for an unmaintained tank; (2)	53.				X
	54. Had a closure assessment properly performed; (3)	54.			X	
III.	VARIANCE Comments:					
	55. Facility applied for Alternate Procedure (Explain in comment) 17.761.850	55.				X
	Other Comments:					
	56. Any other violations noted during inspection (Explain in comments)	56.				X

Pinellas County Public Health Unit

November 15, 1990

Deltona Corporation
3250 SW 3rd Avenue
Miami, FL 33129

FAC ID# 528732229
Deltona Corporation
Pinellas Bayway & Madonna Blvd.
Tierra Verde, FL 33715
PINELLAS

Effective December 1, 1989, the responsibility to perform routine compliance inspections at above and below ground petroleum storage facilities was transferred from the Florida Department of Environmental Regulation to the HRS Pinellas County Public Health Unit.

The above facility is currently listed as inactive on the FDER Facility Detail List. This facility was registered during 1987 by Glenn Hohmeier .

Currently our department is conducting verification inspections on inactive locations. The above location was visited on October 17, 1990 .

Please provide the following information within 30 days from the date of this letter, to verify that your location is inactive and to update the local file for this site.

1. A site diagram or drawing showing the past location or existing location of any tanks at the above facility, if available.

2. A copy of the FDER Notification Form sent to FDER, or an invoice for tank removal or filling the tanks in place, if available.

3. If an environmental assessment was done at the time of the removal, please enclose a copy of the closure report or lab test run.

4. If none of the above information can be located, please provide a statement regarding the non-use of Chapter 17-61 FAC regulated petroleum products, at your location. Please include the approximate date of last use if tanks were abandoned by removal or by filling in place. Provide as much information regarding this location as possible.

If the tanks at this location have not been properly abandoned, please contact our office for further instructions. The Florida Administrative Code (FAC), Chapter 17-61, requires that all regulated tanks are properly abandoned within 90 days of last use.

If you have any questions, please contact me directly. If you mail documentation for this facility, please direct it to my attention. Your cooperation in this matter is greatly appreciated.

Sincerely,

Ernest M. Roggelin
Environmental Specialist II
Pollutant Storage Tank Program
TEL:(813)321-5998 FAX(813)323-7890

enclosures

HRS PINELLAS COUNTY
PUBLIC HEALTH UNIT
JAN 7 1991
ENGINEERING
ST. PETERSBURG

ENVIRONMENTAL HEALTH
300 Plaza West
3151 3rd Avenue N.
Suite 200
(813) 893-2213

ENVIRONMENTAL ENGINEERING
300 Plaza East
300 31st Street N.
Suite 601
(813) 321-5998

NURSING HOMES
300 Plaza West
3151 3rd Avenue N.
Suite 200
(813) 893-2396

Bob Martinez, Governor

Gregory L. Coler, Secretary

State of Florida
Department of Environmental Regulation

Pollutant Storage Tank System Inspection Report Form

Facility ID No.: 5258732229 County: 52
Facility Name: DELTONA CORP
Facility Location: PINELLAS BAYWAY & MADONNA BLVD; TIERRA VERDE 33715
Operator: DELTONA CORP Phone: 305-554-1111
Owner: DELTONA CORP Phone: 305-554-1111
Latitude ___° ___' ___" Longitude ___° ___' ___" Section ___ Township ___ Range ___

Tank #	Size	Contents	Installation Date	U/A or In-Contact	Tank Construction	Integral Piping	Monitoring System	Tank Status

Comments: IMPRECISE ADDRESS.

Inspection Type:
- ☐ Complaint Response
- ☐ Reinspection
- ☒ Initial
- ☐ Installation
- ☐ EDI
- ☐ Tank Removal
- ☐ Public Well Field
- ☐ Unregistered

Facility Information:
- ☒ Abandoned
- ☐ Aboveground
- ☐ Govt.-Federal
- ☐ Govt.-Other
- ☐ Non-retail
- ☐ Retail
- ☐ Retrofit (M. or O.)
- ☐ Retrofit (L. or R.)

DER District: SW

Local Program: PINELLAS CNTY - ENFORCEMENT

10-17-90
Inspector's Signature & Date

Facility Contact's Signature & Date

Violations must be corrected by: next routine inspection ☐ or by: ☐ ___ / ___ / ___ (mo / day / yr)

DER Form 61-01-88 (04-01-88)

APPENDIX D-4
REGULATORY FILE REVIEW DATA
BP STATION / TEXACO-TIERRA VERDE MARINA
(SITE NO. 4)

Florida Department of Environmental Protection
Bureau of Petroleum Storage Systems
Storage Tank/Contaminated Facility
Name & Address Search

Facility ID#: 8630856
Name: Texaco-Tierra Verde Marina
100 Pinellas Bayway
Tierra Verde, FL 33715- 1700
Contact: Nicholas Shaffer
Phone: 727-866-0255

Account Owner: Tierra Verde Marina

District: SWD
County: 52 - Pinellas
Type: V-Marine/Coastal Fuel Stora
Status: Open
Latitude: 27:41:30.5542
Longitude: 82:43:09.6012
LL Method: DPHO-Autonomous GPS

Tank #	Size	Content	Installed	Placement	Status	Construction	Piping	Monitori
1	6000	Unleaded Gas	12/01/1985	UNDER	In Service	F M O N	C J K F	2 H K S 4
2	6000	Vehicular Diesel	12/01/1985	UNDER	In Service	F M O N	J K F C	4 H S K 2
3	16000	Unleaded Gas	10/01/1993	UNDER	In Service	I L N F M O	G J B K	H K L S 2 4 F

***Note:**

Construction, Piping, and Monitoring Info not shown for CLOSED tanks (Status A: Closed in Place, B: Removed from the site).

Jane Fugler

From: Ernest_Roggelin@doh.state.fl.us
Sent: Wednesday, February 08, 2006 2:51 PM
To: Jane Fugler
Subject: First photo shows retail station - tank under canopy; photo#2 has red circle @ 2 USTs

Picture (Metafile)

Picture (Device Independent Bitmap)

Ernest M. Roggelin
Environmental Manager
Pinellas CHD-Engineering
4175 East Bay Drive, Suite 300
Clearwater, FL 33764-6966
(727) 538-7277 ext 1136
FAX (727) 538-7293
Ernest_Roggelin@doh.state.fl.us

First photo shows retail station - tank under canopy; photo#2 has red circle @ 2 USTs

Jane Fugler

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Sent: Wednesday, February 08, 2006 2:51 PM
To: Jane Fugler
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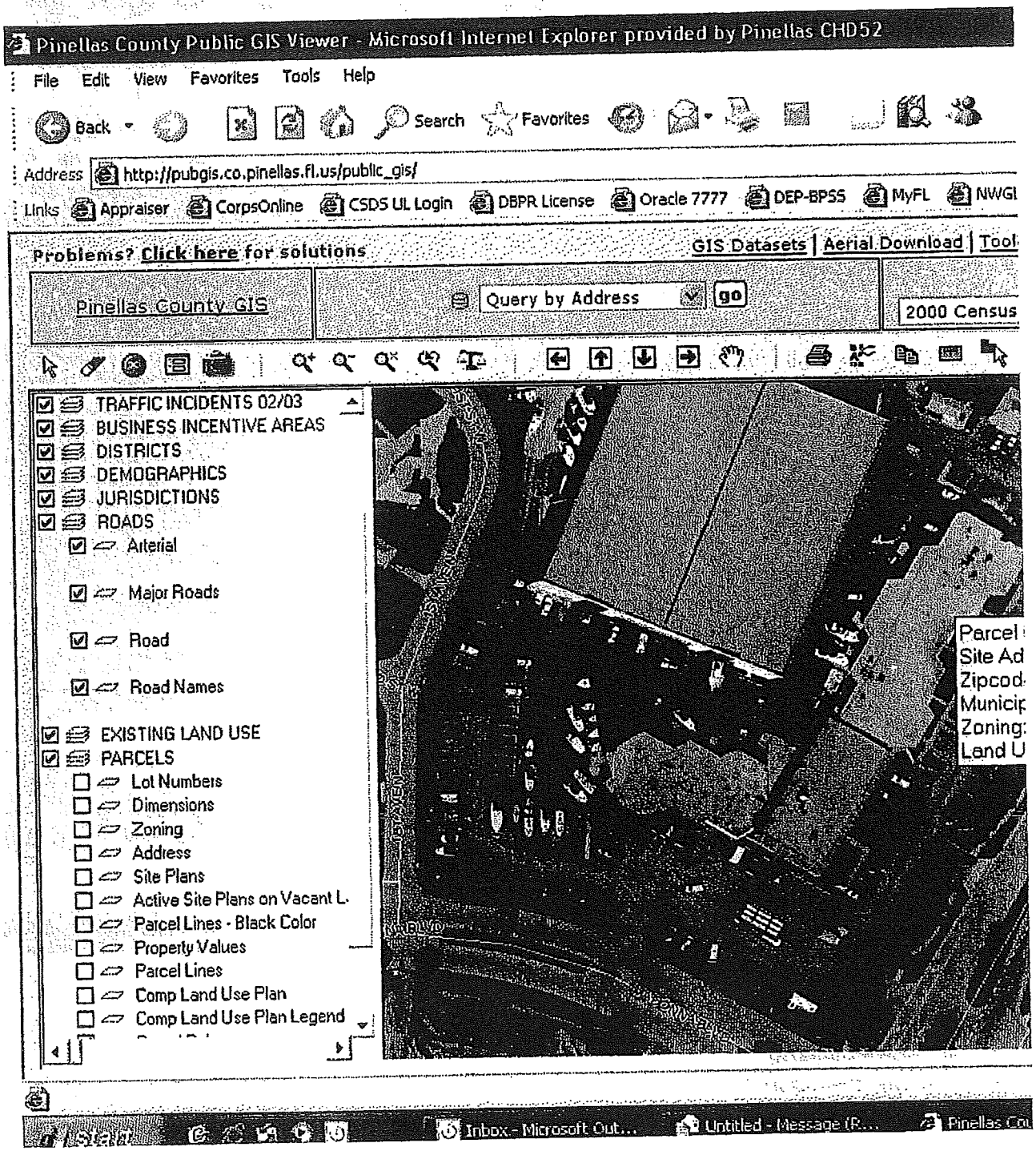
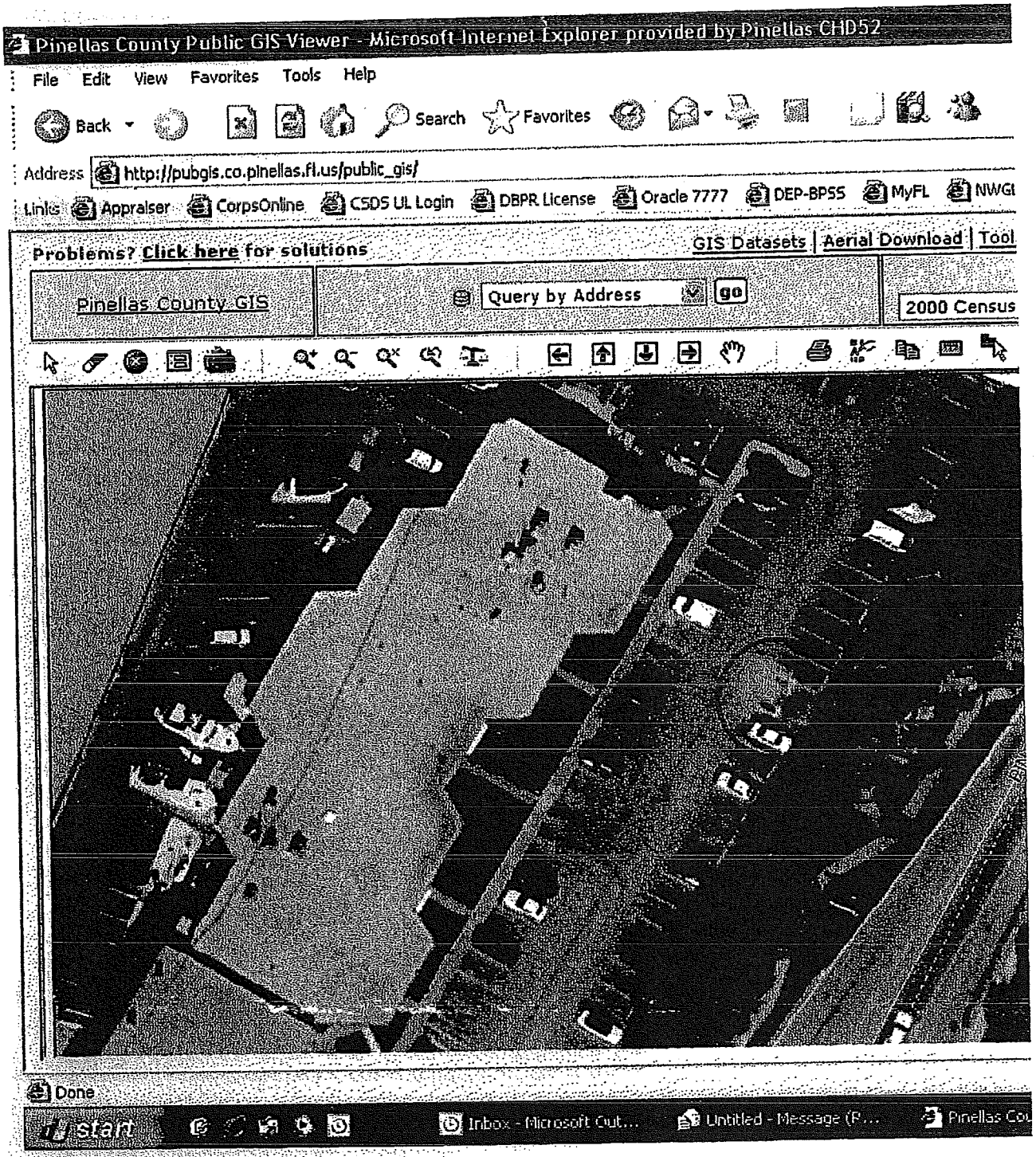


.First photo shows retail station - tank under canopy; photo#2 has red circle @ 2 USTs



Ernest M. Roggelin
Environmental Manager
Pinellas CHD-Engineering
4175 East Bay Drive, Suite 300
Clearwater, FL 33764-6966

2/8/2006

First photo shows retail station - tank under canopy; photo#2 has red circle @ 2 USTs

(727) 538-7277 ext 1136
FAX (727) 538-7293
Ernest_Roggelin@doh.state.fl.us

Florida Department of Environmental Protection

Southwest District • 3804 Coconut Palm Dr. • Tampa, Florida 33619
Lawton Chiles, Governor 813-744-6100 Virginia Wetherell, Secretary

NOV 19 1993

Bureau of Waste Cleanup

NOV 22 1993

Technical Review Section

Mr. Robert Anello
Island Marina Developers
100 Pinellas Bayway South
Tierra Verde, FL 33715-1700

RE: Texaco-Tierra Verde Marina
100 Pinellas Bayway South
Tierra Verde, Pinellas County, Florida
DEP Facility ID #528630856

Dear Mr. Anello:

Michael Bland of the Bureau of Waste Cleanup has reviewed the Contamination Assessment Report (CAR) and No Further Action Proposal (NFAP) dated September 7, 1993 (received September 8, 1993) submitted for this site. Documentation submitted with the NFAP confirms that criteria set forth in Section 17-770.630(3), Florida Administrative Code (F.A.C.), have been met. The NFAP is hereby incorporated by reference in this Order. Therefore, you are released from any further obligation to conduct site rehabilitation at the site, except as set forth below.

If a subsequent discharge of petroleum or petroleum product occurs at the site, the Department may require site rehabilitation in order to reduce contaminant concentrations to the levels approved through review of the NFAP or otherwise allowed by Chapter 17-770, F.A.C.

Additionally, you are required to properly abandon all monitoring wells except compliance wells required by Chapter 17-761, F.A.C., for release detection. The wells must be abandoned in accordance with the requirements of Rule 17-532.500(4), F.A.C.

Persons whose substantial interests are affected by this Site Rehabilitation Completion Order have a right to challenge the Department's decision. Such a challenge may include filing a petition for an administrative determination (hearing) as described in the following paragraphs. However, pursuant to Chapter 17-103, F.A.C., you may request an extension of time to file the Petition. All requests for extensions of time or petitions for administrative determinations must be filed directly with the Department's Office of General Counsel at the address given below within twenty-one (21) days of receipt of this notice (do not send them to the Bureau of Waste Cleanup).

Notwithstanding the above, a person whose substantial interests are affected by this Site Rehabilitation Completion Order may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes (F.S.). The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within twenty-one (21) days of receipt of this notice. Failure to file a petition within this time period shall constitute a waiver of any right such persons have to request an administrative determination (hearing) pursuant to Section 120.57, F.S.

The Petition shall contain the following information:

(a) The name, address, and telephone number of each petitioner, the Department file number (DEP facility number), and the name and address of the facility;

(b) A statement of how and when each petitioner received notice of the Department's action or proposed action;

(c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;

(d) A statement of the material facts disputed by each petitioner, if any;

(e) A statement of facts which each petitioner contends warrant reversal or modification of the Department's action or proposed action;

(f) A statement of which rules or statutes each petitioner contends required reversal or modification of the Department's action or proposed action; and

(g) A statement of the relief sought by each petitioner, stating precisely the action each petitioner wants the Department to take with respect to the Department's action or proposed action.

This Site Rehabilitation Completion Order is final and effective on the date of receipt of this Order unless a petition (or time extension) is filed in accordance with the preceding paragraph. Upon the timely filing of the petition, this Order will not be effective until further order of the Department.

When the Order is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, F.S., by filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; 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 thirty (30) days from the date the Final Order is filed with the clerk of the Department.

Please send a copy of the approved CAR documents(s) to Mr. Ken Weber of the Southwest Florida Water Management District within thirty (30) days of receiving this Site Rehabilitation Completion Order.

The DEP Facility Number for this site is 528630856. Please use this identification on all future correspondence with the Department.

Any questions you may have on the technical aspects of this Site Rehabilitation Completion Order should be directed to Laurel Lucado at (813) 744-6100, ext. 427. Contact with the above named person does not constitute a petition for administrative determination.

Sincerely,

Richard D. Garrity, Ph.D.
Director of District Management

RDG/lls

cc: William H. Goulet, P.G., Enviropact/Evans Environmental, Inc.
Pedro Vargas-Prada, Pinellas County PHU
Michael Bland, FDEP-BWC
Laurel Lucado, FDEP-SWD

1 exaco-Tierra Verde Marina
52/8630856

ISLAND MARINA DEVELOPERS

September 7, 1993

RECEIVED
SEP 08 1993
Department of Environmental Protection
SOUTHWEST DISTRICT
BY _____

Ms. Laurel Lucato
Florida Dept. of Enviromental Regulation
SW District 3804
Cocoanut Palm Dr.
Tampa, FL 33619

Dear Laurel:

Please find enclosed two copies of the Limited Contamination Assessment Report that was performed by Enviro. Pact Inc.

I have sent an additional copy of this report to Mr. Pedro Vargas-Prada.

As you can see there was no contamination found at this site.

I have also requested that a letter regarding the reduction of penalties be provided to me from Mr. Ernest Podgalin and have not yet received it.

If you can assist me in this matter I would appreciate it.

Sincerely,

Robert Anello
Administrator

RA:ams
Encl.

100 PINELLAS BAYWAY, TIERRA VERDE, FLORIDA 33715 (813) 867-3191 FAX (813) 867-5762

LIMITED CONTAMINATION ASSESSMENT REPORT

for

TIERRA VERDE MARINA
100 Pinellas Bayway South
Tierra Verde, Florida
FDER Facility ID #528630856

September, 1993

for submittal to:

Florida Department of Environmental Protection
Southwest District
3804 Coconut Palm Drive
Tampa, FL 33619

Prepared for:

Island Marina Developers
100 Pinellas Bayway South
Tierra Verde, FL 33715-1700

Prepared by:

Enviropact/Evans Environmental, Inc.
11300 43rd Street North
Clearwater, FL 34622

Project Number: 41193-0003

Will Fr Herbst
9-7-93 EE&G

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF ATTACHMENTS

1.0 INTRODUCTION

Enviropact, Inc., was retained by Island Marina Developers to perform a limited Contamination Assessment (CA), in accordance with Florida Administrative Code (FAC) Chapter 17-770 (Petroleum Contamination Site Cleanup Criteria), at the Tierra Verde Marina, 100 Pinellas Bayway South, Tierra Verde, Florida. The FDEP Facility ID number for this site is #528630856.

1.1 BACKGROUND

Two (2) six thousand (6,000) gallon capacity petroleum product USTs installed in December, 1985, are in service at the subject site. A copy of the FDEP Stationary Tank Inventory System (STIS) listing is included as **Attachment 1**. The tanks are located side by side in a single vault, with their long axes oriented east to west. The northern UST is used to store gasoline, the southern UST diesel.

Island Marina Developers contracted with Adams Tank and Lift (AT&L; PSSC License #0050767) to retrofit the two (2) USTs by installing "sump" type overspill containments. During the retrofit, contaminated soils were encountered. Enviropact/Evans was subcontracted by AT&L to identify, segregate, profile and dispose of the contaminated soil as an Initial Remedial Action (IRA).

1.2 INITIAL REMEDIAL ACTION

On July 26, 1993, Enviropact/Evans personnel used a Foxboro Century 128 OVA/FID according to FAC 17-770.200(2) to identify "excessively contaminated" soils at the subject site. One (1) cubic foot, or

two (2) shovels of "excessively contaminated" soil was removed from around the diesel UST fill port. Two (2) drums of "excessively contaminated" soil was removed from around the gasoline UST fill port. The remainder of the "excessively contaminated soil was removed from around the east end of the gasoline UST. Altogether, a total of approximately two (2) cubic yards of "excessively contaminated" soil was identified, excavated and containerized in eight (8) fifty-five (55) gallon drums. All of the "excessively contaminated" soil, as defined by FAC 17-770.200(2), was removed.

A composite soil sample was collected from the drums of contaminated soil, placed in the appropriate sample containers (please see **Attachment 2**) and transported in an iced cooler to the Enviropact laboratory in Tampa, Florida, for analyses by EPA methods 8010, 8020, 9073, and for total RCRA metals Arsenic, Cadmium, Chromium, Lead, Mercury, Selenium and Silver. With the exception of 172 mg/kg Total Recoverable Hydrocarbons, no compounds detectable by the analytical methodologies employed were present above detection limits.

The drums of contaminated soil were subsequently transported to the Tim's Oil Recovery/HOWCO Environmental facility at 843 43rd Street South, St. Petersburg, Florida, for treatment. Copies of an IRA report form, OVA headspace readings, the results of the composite soil sample analyses (Laboratory Report #T3-08-012), and the soil transport manifest are presented in **Attachment 3**.

1.3 SCOPE OF WORK

The scope of work for this Contamination Assessment (CA) was agreed upon during a meeting between Ms. Laurel Lucado of the FDEP/Southwest District, Mr. Pedro Vargas-Prada of the Pinellas County Public Health Unit, Mr. William Goulet of Enviropact/Evans and Mr. Robert Anello of Island Marina Developers. The meeting was held at the Pinellas County Engineering Department offices in Clearwater, Florida, on August 11, 1993.

The following CA tasks have been completed at the subject site in accordance with FAC Chapter 17-770:

- A potable well survey to determine the number of domestic and public supply wells within 1/2 mile of the site;
- Determination of the groundwater flow direction;
- Laboratory analysis of groundwater samples collected from four (4) existing compliance monitoring wells by EPA methods 239.2, 418.1, 504.1, 601, 602 and 610 (Kerosene Analytical Group).

All assessment tasks were performed adhering to Enviropact's approved Comprehensive Quality Assurance Project Plan (Comp QAPP) #91-0189G on file with the FDEP.

1.4 LOCATION AND TOPOGRAPHY

The site is located in Section 17, Township 32 South, Range 16 East, on Pine Key, about five (5) miles southwest of the downtown section of St. Petersburg, in Pinellas County, Florida (please see **Figure 1, Location Map**). The surrounding area is characterized by commercial and residential development. The site is within forty (40) feet of a salt water channel contiguous with the Gulf of Mexico. The water table was encountered at about six (6) feet below grade.

The Soil Survey of Pinellas County, Florida (U.S. Dept. of Agriculture, Soil Conservation Service, 1972) mapped Pine Key as Palm Beach sand, consisting mainly of material dredged from nearby shallow water to fill dikes. The material has been reworked and leveled. Relief in the area is low, with surface elevations ranging between zero (0) and ten (10) feet above sea level.

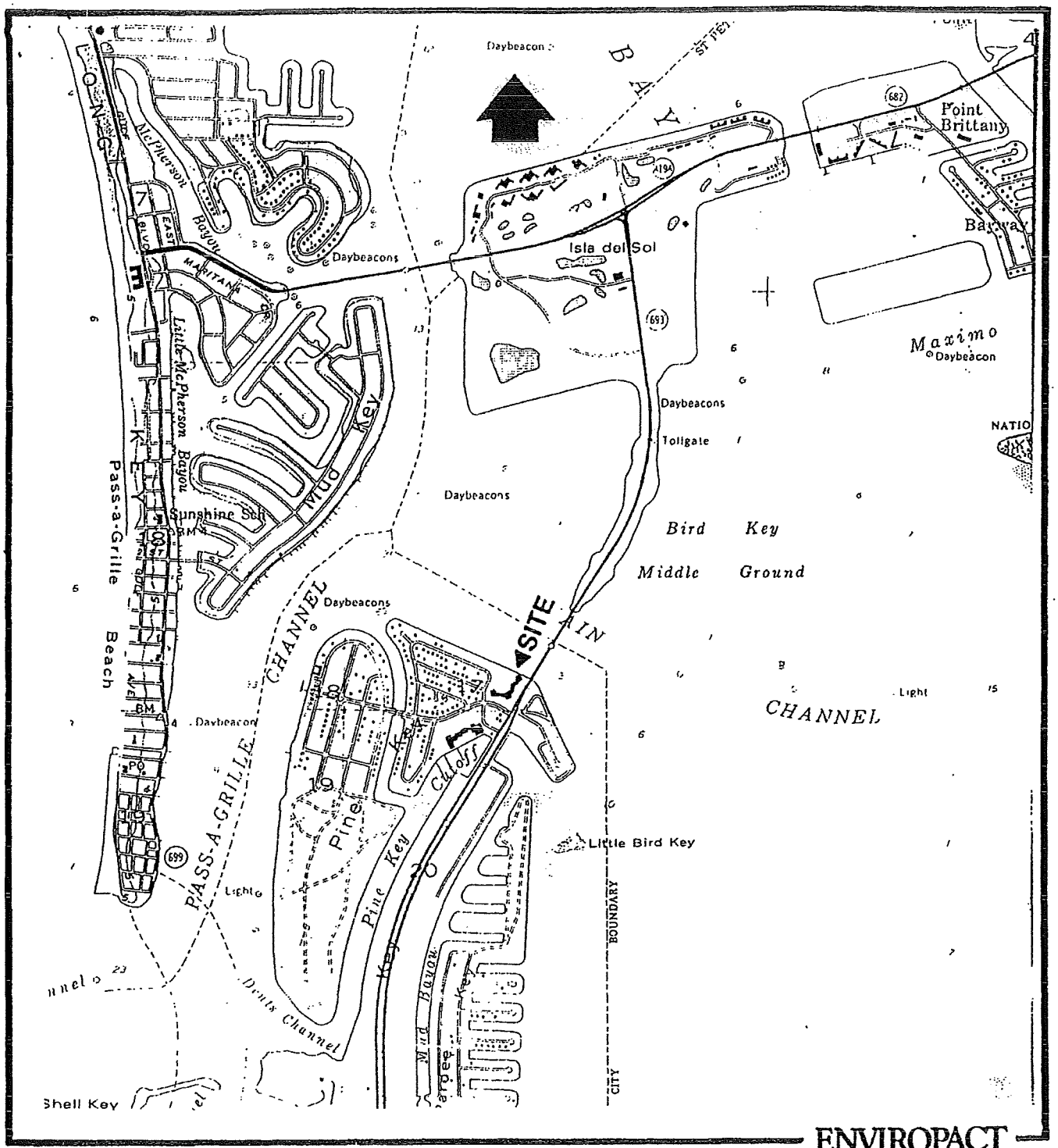


FIGURE 1: LOCATION MAP
TIERRA VERDE MARINA
100 PINELLAS BAYWAY
ST. PETERSBURG, FLORIDA

SCALE 1:24 000

PASS-A-GRILLE BEACH QUADRANGLE
FLORIDA

QUADRANGLE LOCATION

ENVIROPACT
11300 43rd Street North
Clearwater, Florida 34622-4900
(813) 573-9663

2.0 ASSESSMENT ACTIVITIES

2.1 POTABLE WELL SURVEY

A catalog of known potable wells was obtained from the Pinellas County Engineering Department. The catalog is arranged according to census tracts. The subject site is located in census tract 201.03. According to the well catalog, no public or private potable wells are located in this tract. Municipally supplied water is provided to businesses and residences in the area of the subject site.

2.2 GROUNDWATER FLOW DIRECTION

Casing elevations for the compliance monitoring wells MW-1, 2, 3 and 4 were established relative to an assumed benchmark using a survey rod and level. Depth to water (DTW) measurements in the monitoring wells made using an interface probe which allowed measurement of the depth to water to within 0.01'. By subtracting DTW from the casing elevations, groundwater elevations for the wells were obtained.

Three (3) sets of water level measurements were obtained to assess possible tidal influence on groundwater flow. On August 17, 1993, the wells were gauged as the tide was falling. On August 5 and September 1, 1993, the wells were gauged as the tide was rising. The resultant groundwater elevation data was plotted on site plans and contoured (please see **Figures 2, 3 and 4**), indicating that groundwater flow at the site is tidally influenced. Copies of

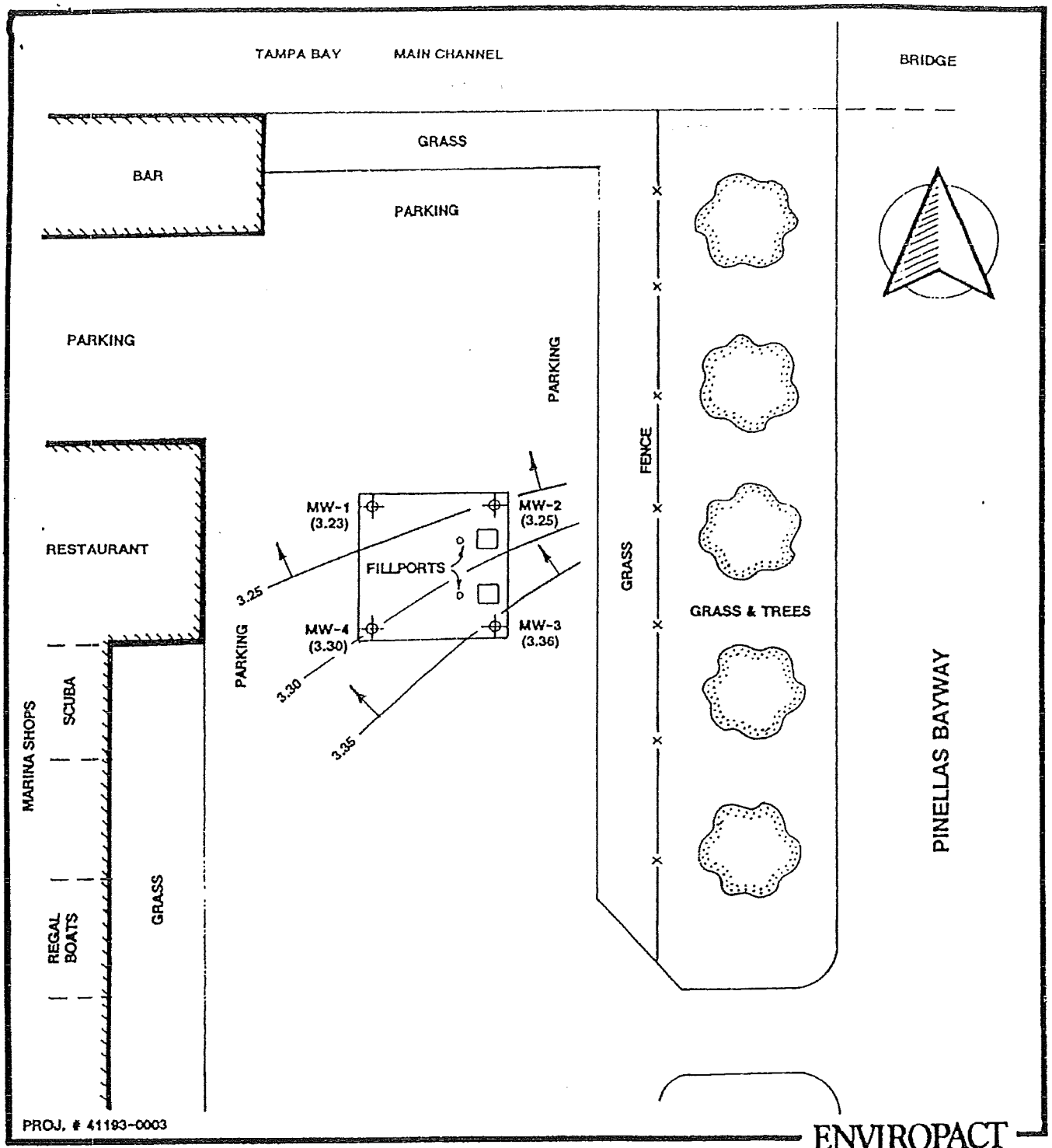


FIGURE 2: GROUNDWATER ELEVATION CONTOUR MAP

TIERRA VERDE MARINA
100 PINELLAS BAYWAY
ST. PETERSBURG, FLORIDA

DTW MEASUREMENTS OBTAINED 8-5-93, RISING TIDE

LEGEND:
- ⊕ MW-1: MONITORING WELL
- —3.30—: GROUNDWATER ELEVATION (IN FEET ABOVE MSL)
- ←— : GROUNDWATER FLOW DIRECTION

ENVIROPACT
11300 43rd Street North
Clearwater, Florida 34622-4900
(813) 573-9663

PREPARED BY: kw
DATE: 8-3-93
REVISED: 9-3-93

2.0 ASSESSMENT ACTIVITIES

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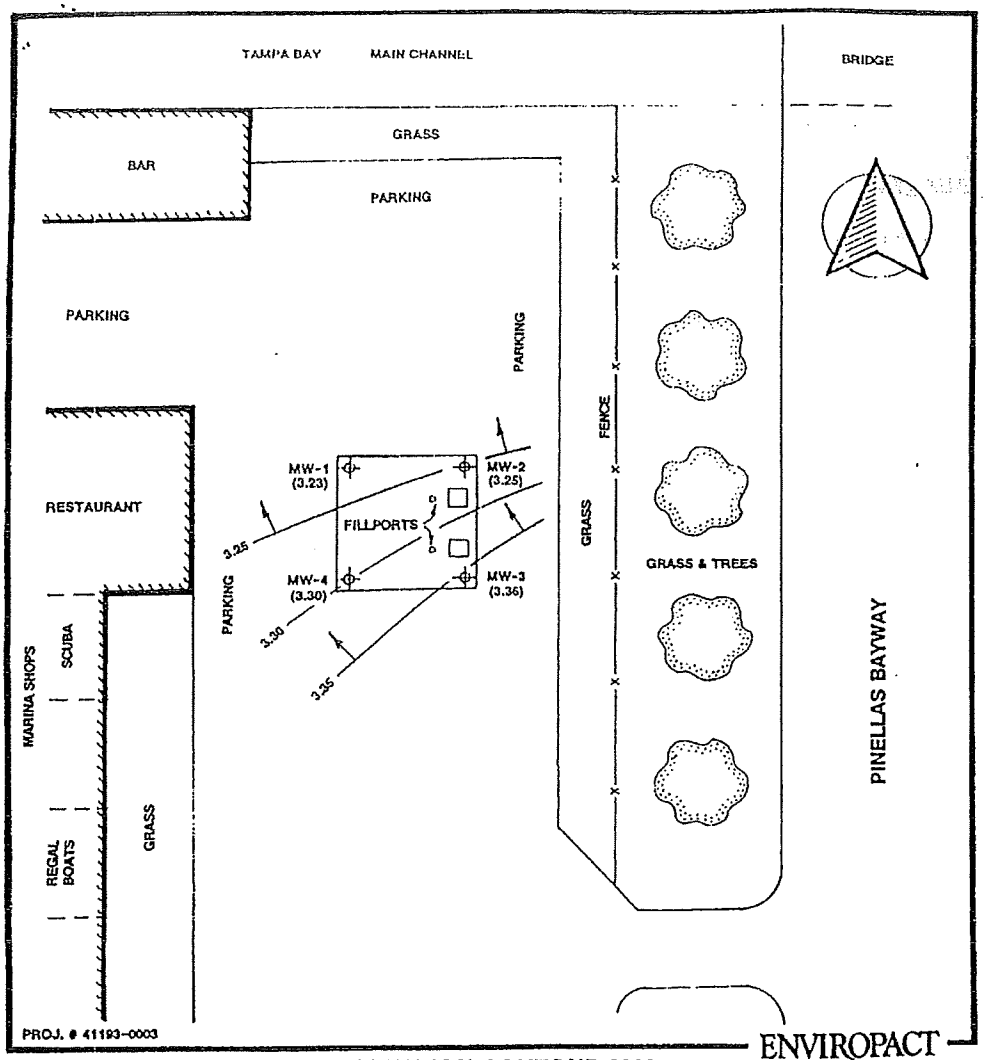


FIGURE 2: GROUNDWATER ELEVATION CONTOUR MAP
TIERRA VERDE MARINA
100 PINELLAS BAYWAY
ST. PETERSBURG, FLORIDA

DTW MEASUREMENTS OBTAINED 8-5-93, RISING TIDE

LEGEND:
MW-1: MONITORING WELL
3.30: GROUNDWATER ELEVATION (IN FEET ABOVE MSL)
: GROUNDWATER FLOW DIRECTION

11300 43rd Street North
Clearwater, Florida 34622-4900
(813) 573-9663

PREPARED BY: kw
DATE: 8-3-93
REVISED: 9-3-93

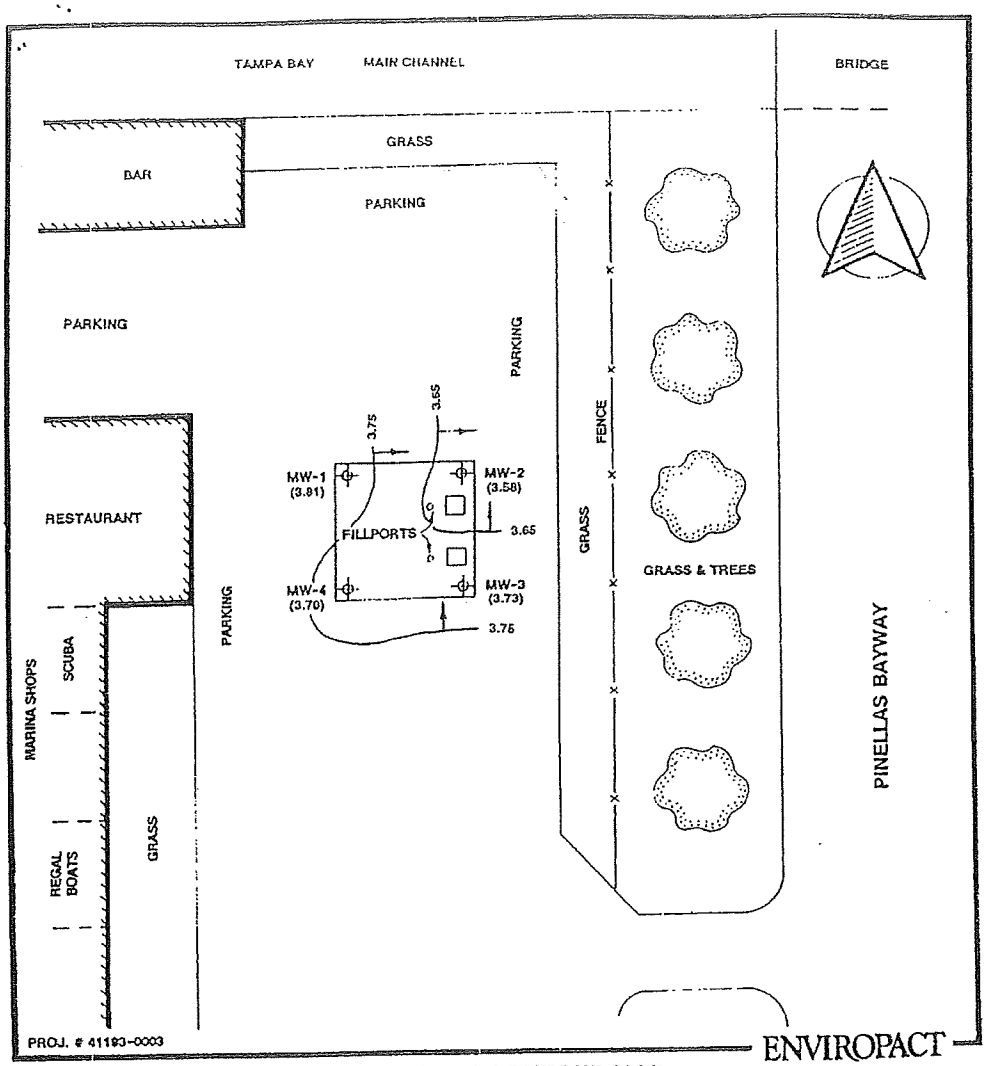


FIGURE 3: GROUNDWATER ELEVATION CONTOUR MAP
TIERRA VERDE MARINA
100 PINELLAS BAYWAY
ST. PETERSBURG, FLORIDA

DTW MEASUREMENTS OBTAINED 8-17-93, FALLING TIDE

LEGEND:
-⊕-MW-1: MONITORING WELL
—3.65—: GROUNDWATER ELEVATION (IN FEET ABOVE MSL)
—•— : GROUNDWATER FLOW DIRECTION

11300 43rd Street North
Clearwater, Florida 34622-4900
(813) 573-9663

PREPARED BY: kw
DATE: 8-3-93
REVISED: 9-3-93

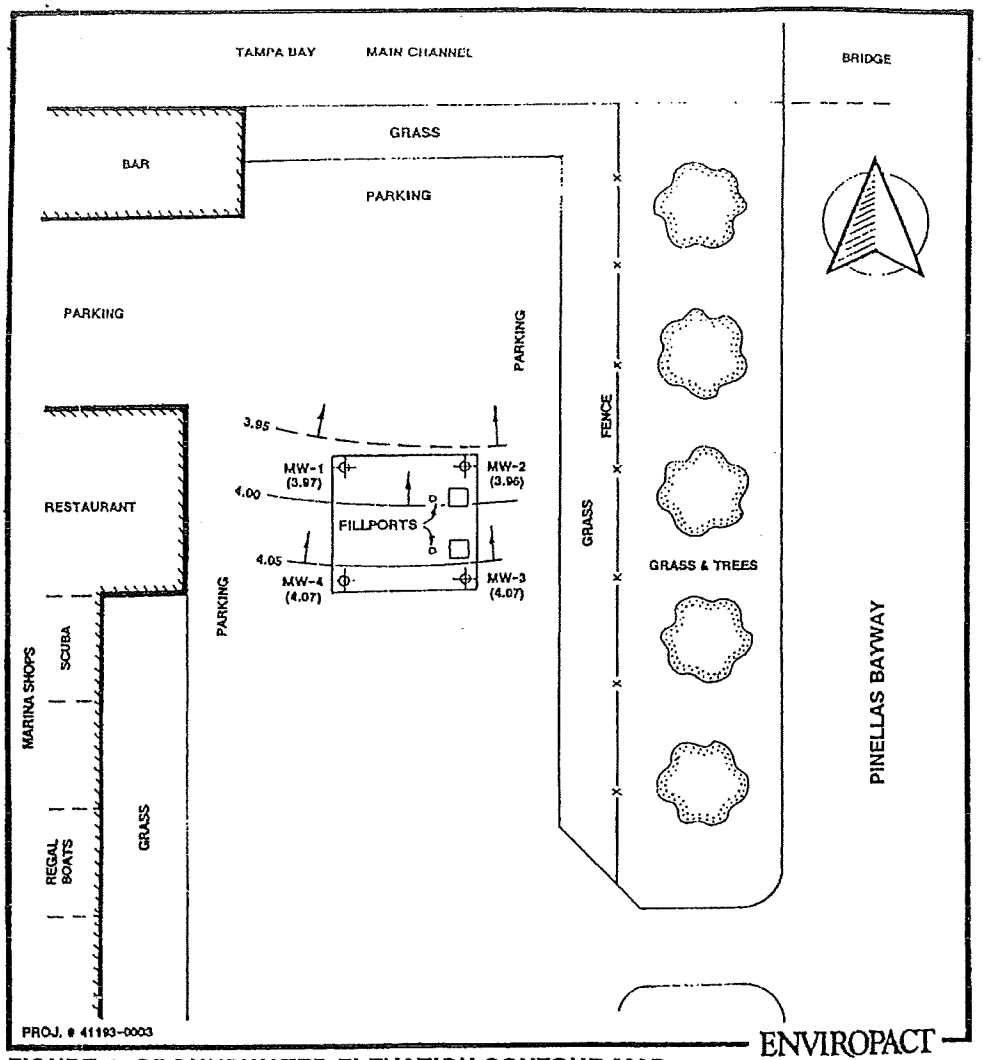


FIGURE 4: GROUNDWATER ELEVATION CONTOUR MAP
TIERRA VERDE MARINA
100 PINELLAS BAYWAY
ST. PETERSBURG, FLORIDA

DTW MEASUREMENTS OBTAINED 9-1-93, RISING TIDE

LEGEND:
MW-1: MONITORING WELL
4.00: GROUNDWATER ELEVATION (IN FEET ABOVE MSL)
: GROUNDWATER FLOW DIRECTION

11300 43rd Street North
Clearwater, Florida 34622-4900
(813) 573-9663

PREPARED BY: kw
DATE: 8-3-93
REVISED: 9-3-93

Water Table Elevation Calculation Sheets, and Tide Tables provided by Tierra Verde Marina are presented in **Attachment 4.**

2.3 GROUNDWATER SAMPLING AND ANALYSES

2.3.1 GROUNDWATER SAMPLING PROTOCOL

On August 5 and August 17, 1993, groundwater samples were collected from monitoring wells MW-1, 2, 3 and 4 in accordance with the Enviropact/Evans approved Comp QAPP #91-0189G. Well depth and depth to the water table were measured in each well to determine the amount of groundwater to be evacuated prior to collecting the samples. Each well was purged of at least (3) well volumes of water using a decontaminated teflon bailer.

After measurements of pH, conductivity and temperature had stabilized, decontaminated teflon bailers were gently lowered into each well to collect the samples. Field, trip and equipment blanks were also collected. The samples and blanks were placed in the appropriate sample containers with or without preservative (please see **Attachment 2**), placed in an iced cooler and transported to the Enviropact laboratory in Tampa, Florida, where they were analyzed for compounds detectable by EPA methods 239.2, 418.1, 504.1, 601, 602 and 610; Kerosene Analytical Group parameters as specified in FAC Chapter 17-770.600(8)(b).

2.3.2 ANALYTICAL RESULTS

Concentrations of 3.4 mg/L Total Recoverable Hydrocarbons and 0.0058 mg/L Lead were detected in the samples collected from MW-4. These concentrations are well below the target levels set forth in FAC Chapter 17-770.730(5)(a)2. No other compounds detectable by the analytical methodologies employed were found to be present above detection limits in any of the groundwater samples or blanks collected at the subject site. The complete groundwater sample analytical results are presented in Attachment 5 (Laboratory Reports #T3-08-033 and #T3-08-098).

3.0 CONCLUSIONS

Contamination Assessment activities have been performed at the subject site in accordance with FAC Chapter 17-770 and the scope of work agreed to by FDEP, Pinellas County, Island Marina Developers and Enviropact representatives.

A potable well survey found no potable wells in the area of the subject site. Groundwater flow was demonstrated to be tidally influenced. No compounds detectable by EPA methods 239.2, 418.1, 504.1, 601, 602 or 610; Kerosene Analytical Group parameters as specified in FAC Chapter 17-770.600(8)(b), were found to be present in concentrations exceeding the target levels set forth in FAC Chapter 17-770.730(5)(a)2 in samples collected from the four (4) compliance monitoring wells at the subject site.

4.0 RECOMMENDATION

Enviropact suggests that no further assessment or remediation is warranted, and proposes that the subject site be considered for No Further Action (NFA) status pursuant to FAC Chapter 17-770.600(7).

ATTACHMENT 1

FDEP Stationary Tank Inventory System listing

TANK #	GALLONS	INSTALL DATE	CONTENT CATEGORY	CONTENT/REGUL	POSITION	CONSTRUCTION	PIPING SYSTEM	MONITORING SYSTEM	DISP METHOD	LAST USED	TANK NUMBERS REP'D BY	TANK NUMBERS REPLACES
1	2000	XX/XX	POLLUTANT	G	UND	C	E	Y	A	07/92		

52/9102559 TIDES COUNTRY CLUB
11932 N 66TH AVE
SEMINOLE FL 33642-6000
(813)392-5345
OPER: DEVOS, LEWIS
SECTION: TOWNSHIP: RANGE:

TIDES COUNTRY CLUB
11832 N 66TH AVE
SEMINOLE FL 33642-0000
(813)392-5345
CONTACT: LEWIS DEVOS

STATUS: CLOSED
ENTERED: 08/05/91
TYPE: C CONTAMINATION REPORTED
LAT/LONG: 27:49:51 / 82:48:18
FINANCIAL RESPONSIBLE PARTY:

TANK #	GALLONS	INSTALL DATE	CONTENT CATEGORY	CONTENT/REGUL	POSITION	CONSTRUCTION	PIPING SYSTEM	MONITORING SYSTEM	DISP METHOD	LAST USED	TANK NUMBERS REP'D BY	TANK NUMBERS REPLACES
1	550	XX/XX	VEHICULAR	R	UND	C	Y	Y	R	07/91		
2	550	XX/XX	VEHICULAR	R	UND	C	Y	Y	R	07/91		

52/8630856 TIERRA VERDE MARINA
100 PINELLAS BAYWAY S
TIERRA VERDE FL 33715-1700
(813)866-0255
OPER: EDMUND W SCHNEIDER
SECTION: TOWNSHIP: RANGE:

ISLAND MARINA DEVELOPERS
100 PINELLAS BAYWAY S
TIERRA VERDE FL 3371S-1700
(813)866-0255
CONTACT: EDMUND W SCHNEIDER

STATUS: OPEN REGULATED
ENTERED: 12/22/86
TYPE: Y CONTAMINATION REPORTED
LAT/LONG: 27:41:2R / 82:43:12
FINANCIAL RESPONSIBLE PARTY:

TANK #	GALLONS	INSTALL DATE	CONTENT CATEGORY	CONTENT/REGUL	POSITION	CONSTRUCTION	PIPING SYSTEM	MONITORING SYSTEM	DISP METHOD	LAST USED	TANK NUMBERS REP'D BY	TANK NUMBERS REPLACES
1	6000	12/85	VEHICULAR	R-REGULATED	UND	F	K	PMK	U			
2	6000	12/85	VEHICULAR	D-REGULATED	UND	F	K	PMK	U			

52/8945262 TIERRA VERDE MARINA DEVELOPMENT
200 MADONNA BLVD
TIERRA VERDE FL 33715-1735
(813)867-0400
OPER: TIERRA VERDE MARINA DEVELOPMENT
SECTION: 020 TOWNSHIP: 32S RANGE: 16E

TIERRA VERDE MARINA DEVELOPMENT
200 MADONNA BLVD
TIERRA VERDE FL 33715-1735
(813)867-0400
CONTACT: MIKE CANNOVA

STATUS: OPEN REGULATED
ENTERED: 11/03/89
TYPE: A
LAT/LONG: 27:41:23 / 82:44:38
FINANCIAL RESPONSIBLE PARTY: A

CNTY/FAC # FACILITY DATA
OWNER DATA
MISCELLANEOUS FACILITY INFORMATION

TANK DATA CONTINUED FROM PREVIOUS PAGE

TANK #	GALLONS	INSTALL DATE	CONTENT CATEGORY	CONTENT/REGUL	POSITION	CONSTRUCTION	PIPING SYSTEM	MONITORING SYSTEM	DISP METHOD	LAST USED	TANK NUMBERS REP'D BY	TANK NUMBERS REPLACES
1	UNKNOWN	XX/XX	VEHICULAR	Y	UND	C	Y	Y	R	08/89		
2	UNKNOWN	XX/XX	VEHICULAR	Y	UND	C	Y	Y	R	08/89		
3	UNKNOWN	XX/XX	VEHICULAR	Y	UND	C	Y	Y	R	08/89		
4	10000	09/89	VEHICULAR	D-REGULATED	UND	AF	BE	E	U			
5	15000	09/89	VEHICULAR	D-REGULATED	UND	AF	BE	E	U			
6	6000	09/89	VEHICULAR	D-REGULATED	UND	AF	BE	E	U			

52/8624557 TIMES OIL RECOVERY, INC.
843 43RD ST S
SAINT PETERSBURG FL 33711-1922
(813)327-8867

HASAN, TIM
843 43RD ST S
SAINT PETERSBURG FL 33711-1922
(813)327-8867

STATUS: OPEN REGULATED
ENTERED: 04/29/96
TYPE: C
LAT/LONG: 27:45:47 / 82:41:52

ATTACHMENT 2

Sample bottle/preservative requirements

SAMPLE BOTTLE KIT REQUIREMENTS

PETROLEUM CONTAMINATION ASSESSMENT PROFILES

		Containers	
		Liquids	*Solids*
17-770.600 (8a): Gasoline Analytical Group			
EPA 601 / 8010	1,2 Dichloroethane, Volatile Organic Halocarbons	1 - V40 - HCl	
EPA 504 / 8011	Ethylene Dibromide (EDB)	1 - V40 - None	
EPA 602 / 8020	Benzene, Toluene, Total Xylenes, Ethylbenzene, Total VOA, Methyl Tert-Butyl Ether (MTBE)	1 - V40 - HCl	2 - V40 - None
EPA 239.2 / 7421	Lead	1 - P250 - HNO_3	
17-770.600 (8b): Kerosene and Mixed Product Analytical Group			
EPA 601 / 8010	1,2 Dichloroethane, Volatile Organic Halocarbons	1 - V40 - HCl	
EPA 504 / 8011	Ethylene Dibromide (EDB)	1 - V40 - None	
EPA 602 / 8020	Benzene, Toluene, Total Xylenes, Ethylbenzene, Methyl Tert-Butyl Ether (MTBE), Total VOA	1 - V40 - HCl	2 - V40 - None
EPA 610 / 8100	Polynuclear Aromatic Hydrocarbons (including 1 & 2 Methylnaphthalene)	1 - A1000 - None	1 - J500 - None
EPA 239.2 / 7421	Lead	1 - P250 - HNO_3	
EPA 418.1 / 9073	TRPH	1 - G1000 - HCl	
17-770.600 (8c): Used Oil or Product Not Listed in Gasoline, Kerosene, or Mixed Product Analytical Group			
EPA 624 / 8240	Priority Pollutant Volatile Organics and Non-Priority Pollutant Volatile Organics	2 - V40 - HCl	2 - V40 - None
EPA 625 / 8270	Priority Pollutant Extractable Organics and Non-Priority Pollutant Extractable Organics	2 - A1000 - None	
EPA 206.2 / 7060	Arsenic		1 - J500 - None
EPA 213.2 / 7131	Cadmium	1 - P250 - HNO_3	
EPA 218.2 / 7191	Chromium		
EPA 239.2 / 7421	Lead		
EPA 418.1 / 9073	TRPH	1 - G1000 - HCl	

11300 43rd Street North, Clearwater, Florida 34622
(813) 573-9663 Fax. No. (813) 572-4915
FLORIDA • NEW YORK • SOUTH CAROLINA

ATTACHMENT 3

Initial Remedial Action Report Form
Table of OVA headspace readings
Site Plan showing soil sampling locations
Preburn Profile Analyses, Laboratory Report #T3-08-012
Transport Manifest for soil disposal

PETROLEUM CONTAMINATION
INITIAL REMEDIAL ACTION REPORT FORM

An Initial Remedial Action report, summarizing the initial remedial action (IRA), should be prepared to satisfy the requirements of Chapters 17-770.630(1)14; 17-773.500(1)(a)4; and 17-773.500(2)(a)4, Florida Administrative Code, (FAC). This form may be used for the IRA report. The report should be sent to the appropriate local program or:

Florida Department of Environmental Regulation
Bureau of Waste Cleanup
Engineering Support Section
2600 Blair Stone Road
Tallahassee, FL 32399-2400

I. FACILITY NAME: Island Marina Developers (Tierra Verde Marina)

Facility Address: 100 Pinellas Bayway South, Tierra Verde, FL 33715-1700

DER Facility Number (if applicable): 528630856

Date IRA Initiated: 7/26/93 Date IRA Completed: 7/26/93

II. FREE PRODUCT RECOVERY

A. Type(s) of Product Discharged: N/A

B. Quantity

1. Estimated Gallons Lost: N/A
2. Gallons Recovered: N/A through N/A (date)
3. Attach Exhibit Indicating Amount of Product Recovered, Dates and Cumulative Totals.

C. Attach a Scaled Site Plan, Indicating the Locations and Product Thickness in Wells, Boreholes, Excavations, or Utility Conduits and Wells Utilized for Recovery of Free Product.

D. Method of Product Recovery: N/A

E. Type of Discharge During Product Recovery: N/A

F. Type of Treatment, i.e., Oil/Water Separator: N/A

G. Attach Written Proof of Proper Disposal of Recovered Product: N/A

III. SOIL EXCAVATION

NOTE: Soil shall be defined as excessively contaminated using the procedure stated in Chapter 17-770.200(2), FAC. Representative soil sampling shall be performed as close to the time of excavation as possible, but at no time shall exceed three (3) months prior to the start of excavation. Stockpiled soils greater than thirty (30) days on site waiting for treatment and disposal, must be re-sampled immediately prior to disposal to assure soils are still excessively contaminated.

If soil sampling data indicates that the amount of soil that is excessively contaminated exceeds 1500 cubic yards, treatment of all excessively contaminated soil at the site shall be addressed in a remedial action plan, and no soil IRA activities shall be performed except for the removal of soils in the immediate vicinity of the tanks.

Only soil above the ambient water table at the time of excavation can be considered as excessively contaminated soil.

Unless the established weight per unit volume of 1.4 tons/cubic yard (as referenced in FAC Rule 17-775) is used for the excavated soil, the weight per unit volume must be determined by a field test (in which an accurately measured volume of soil is weighed) at the time of excavation.

A. Volume of Contaminated Soil Excavated in Cubic Yards: approx. 2.0 yd^3. Dimensions Including Depth of Excavation(s):

approx. 5'x5'x3' around Diesel tank fillport (two[2] shovel loads stockpiled)
approx. 8'x4'x3' around east end of gasoline tank (in area of leak detection tube near pump) - remainder of "excessively contaminated" soil stockpiled from this area.

NOTE: Attach written proof from the Department in the form of an Alternate Procedure Approval Order authorizing excavating over 1500 cubic yards if applicable. Authorization must be prior to the excavation of soils.

B. Type(s) of Product in Soil: Gasoline and Diesel

C. Depth (ft) to Ambient Groundwater at the Time of Excavation(s): seven (7) feet below land surface

D. Did Dewatering (i.e. groundwater depression) Occur at Time of Excavation?: NO

E. Type of Instrument and Method Used to Determine Excessive Soil Contamination: Foxboro Century 128 OVA (FID) - Headspace analyses as prescribed in FAC 17-770.200(2). Five hundred (500) ppm criteria utilized for identifying "excessively contaminated" soils (gasoline analytical group criteria).

F. Attach a table that compares the OVA-FID readings taken with charcoal filter verses readings without filter. Include vertical depths for each sample.

G. Using the OVA procedure for defining excessively contaminated soil as referenced in Rule 17-770.200(2), FAC, include a scaled site plan with the information listed below:

1. Location of excavation, old tank farm, dispensers, and product lines, present tank farm, and all soil samples. The corresponding OVA-FID readings for each soil sample (with charcoal filter and without) and its depth must be given.

2. Sampling Procedure is as follows:

Start sampling in a location where it is suspected that excessively contaminated soil exists. Sample from the first soil boring outward in a grid pattern, at five (5) to ten (10) foot intervals, until the perimeter of the excessively contaminated soil plume is defined. Vertical sampling should be performed starting approximately at the initial area of contamination and continued at three (3) foot intervals, or fraction thereof, until a depth approximately one (1) foot above the water table is reached.

H. Copies of Laboratory Analyses for Pre Treatment Soil Samples as Required in Chapter 17-770.410(3), Table II, FAC Must be Attached.

I. Were Tanks Replaced at this Site?: No - existing tanks were retrofitted with overspill containment in the form of "sumps". The sumps are intended to contain any overspill encountered while filling the tanks.

IV. SOIL TREATMENT AND DISPOSAL

A. Method of Treatment of Excessively Contaminated Soil: Presently contained in eight (8) fifty-five (55) gallon DOT drums awaiting disposal. Proposed disposal method is thermal treatment via rotary kiln.

B. For Off Site Treatment and Disposal at Permitted STTF, Land Farms, or Landfills Attach Documentation From the Treatment Facility Which Confirms the Weight or Volume of Soil Treated and Date Received.

For Other Treatment and Disposal Methods (i.e. On-Site Land Farming, Bioremediation), Attach Post Treatment Laboratory Analyses for Each 250-300 Cubic Yards of Treated Soil in Accordance With Chapter 17-775.400 and the "Guidelines for Assessment and Remediation of Petroleum Contaminated Soils", Edition February 1991 or Most Current Revision.

For Mobile Thermal Treatment Units, Attach Laboratory Analysis per Chapter 17-775(5), FAC.

C. Method of Disposal of Contaminated Soil and Indicate Recipient and Address: Contract pending with Tims Oil Recovery (HOWCO) Environmental, 843 43rd Street South, St. Petersburg, FL 33711

V. ADDITIONAL COMMENTS: The fillpipe on the gasoline tank was found to be cross-threaded to tank wall causing the seal to be compromised. Also, the leak detection device (copper tubing) was found to be improperly installed (contributing significantly to the amount of contaminated soil removed). Contaminated soil disposa profile analyses and disposal manifests will be forwarded immediately upon receipt.

Darrin McAllister
Person Completing Form

8/4/93
Signature, Date

Project Manager/Enviropact, Inc.
Title, Affiliation

Island Marina Development
Tierra Verde Marina
100 Pinellas Bayway South, Tierra Verde, Florida
Summary of Soil IRA Headspace Analyses

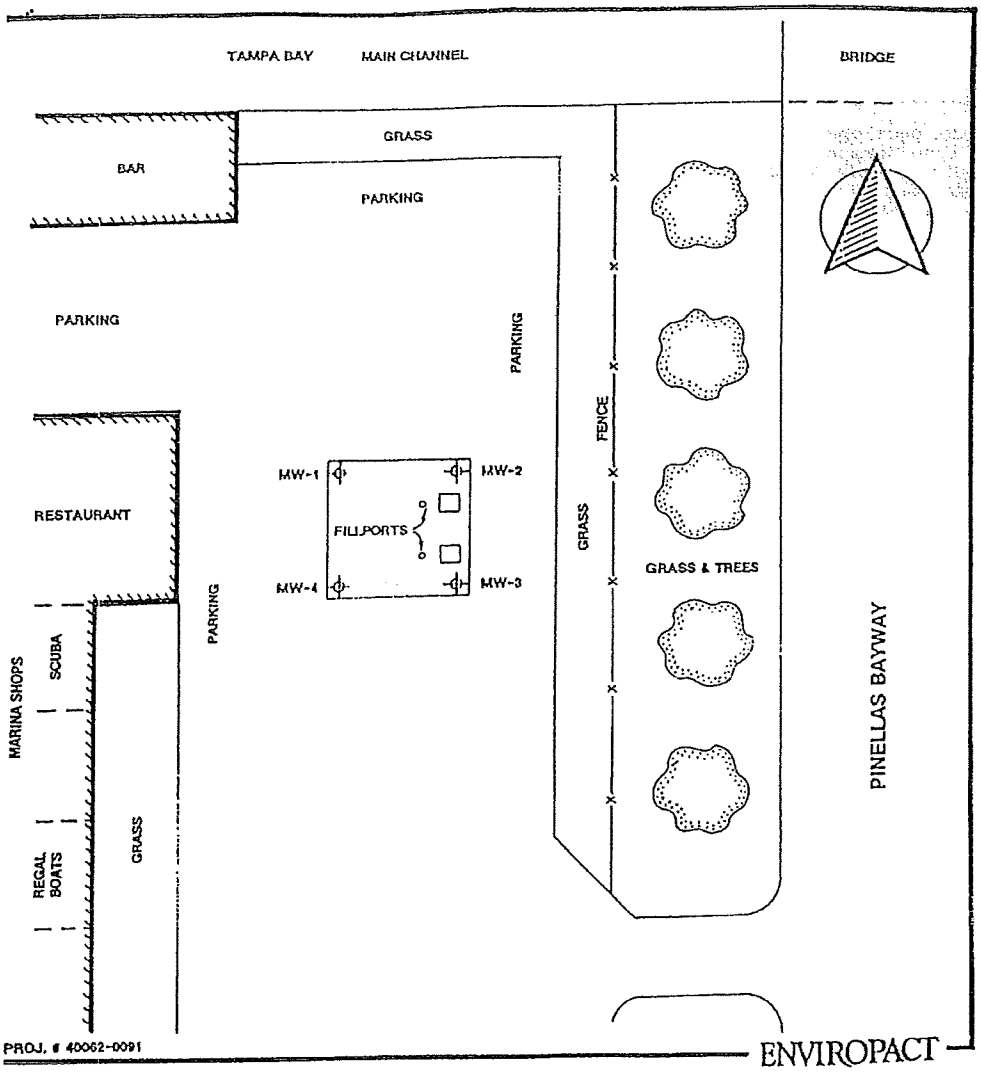
location	depth	w/o filter	w/filter	total	odors
ss-1	6"	800	12	788	strong
	1'	120	10	110	moderate
	2'	10	2	8	none
ss-2	6"	800	10	790	strong
	1'	150	10	140	strong
	2'	8	8	0	none
ss-3	6"	500	0	500	strong
	1'	80	0	80	slight
	2'	9	9	9	none
ss-4	6"	190	8	182	moderate
	1'	75	6	69	slight
	2'	12	5	7	none
ss-5	1'	0	0	0	none
	2'	6	2	4	none
ss-6	1'	0	0	0	none
	2'	4	4	0	none
ss-7	1'	0	0	0	none
	2'	4	0	4	none
ss-8	1'	3	3	0	none
	2'	3	3	0	none
ss-9	1'	1000	0	1000	strong
	3'	1000	0	1000	strong
	5'	100	0	100	strong
ss-10	1'	1000	0	1000	strong
	3'	800	0	800	strong
	5'	200	0	200	strong
ss-11	1'	1000	0	1000	strong
	3'	600	0	600	strong
	5'	130	0	130	strong
ss-12	1'	100	0	100	strong
	3'	900	0	900	strong
	5'	700	0	700	strong
ss-13	1'	0	0	0	none
	3'	0	0	0	none
	5'	300	0	300	strong
ss-14	1'	0	0	0	none
	3'	0	0	0	none
	5'	7	0	7	none

all readings in parts per million (ppm)
(continued)

Island Marina Development
Tierra Verde Marina
100 Pinellas Bayway South, Tierra Verde, Florida
Summary of Soil IRA Headspace Analyses
(continued)

location	depth	w/o filter	w/filter	total	odors
ss-15	1'	0	0	0	none
	3'	0	0	0	none
	5'	12	2	10	none
ss-16	1'	0	0	0	none
	3'	0	0	0	none
	5'	2	0	2	none
ss-17	1'	0	0	0	none
	3'	0	0	0	none
	5'	300	0	300	strong
ss-18	2'	0	0	0	none
	4'	0	0	0	none
	6'	8	0	8	none
ss-19	2'	0	0	0	none
	4'	0	0	0	none
	6'	1	1	1	none
ss-20	2'	0	0	0	none
	4'	0	0	0	none
	6'	0	0	0	none
ss-21	2'	0	0	0	none
	4'	0	0	0	none
	6'	0	0	0	none
ss-22	2'	0	0	0	none
	4'	0	0	0	none
	6'	0	0	0	none
ss-23	2'	0	0	0	none
	4'	0	0	0	none
	6'	12	0	12	none

all readings in parts per million (ppm)
analyses performed on site 7/26/93
Foxboro 128 OVA (FID)



PROJ. # 40062-0091

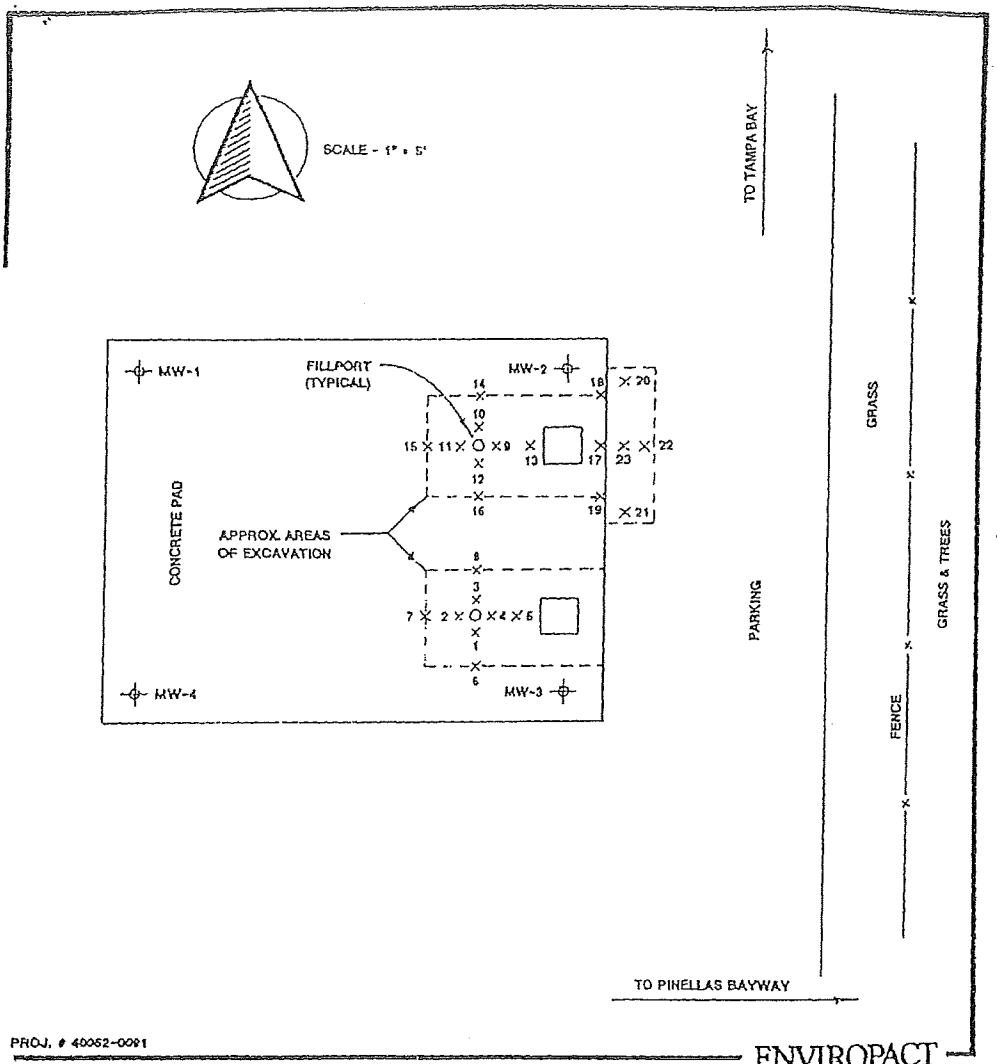
ENVIROPACT

IGURE 1: SITE PLAN
IERRA VERDE MARINA
00 PINELLAS BAYWAY
T. PETERSBURG, FLORIDA

LEGEND:
-⊕-MW-1: MONITORING WELL

11300 43rd Street North
Clearwater, Florida 34622-4900
(813) 573-9663

PREPARED BY: kw
DATE: 8-3-93



PROJ. # 40052-0091

GURE 2: IRA SOIL SAMPLE LOCATIONS
...RRA VERDE MARINA
)0 PINELLAS BAYWAY
'. PETERSBURG, FLORIDA

LEGEND:
X2: SOIL SAMPLE LOCATION

ENVIROPACT
11300 43rd Street North
Clearwater, Florida 34622-4900
(813) 573-9663
PREPARED BY: kw
DATE: 8-3-93

ENVIROPAC SERVICES, INC.
11300 43rd Street North
Clearwater, Florida 34622
(813) 573-9663 Fax No. (813) 572-4915

CHAIN OF CUSTODY RECORD

T308012

ENVIROPACT

Project Name or Number	Project Location	Laboratory Analysis
400662-0091	TIERA VERDE	

Client Name	Sample Description (CHECK ONE)	Number of Containers
TIERA Verde High & Dry Marina		

Item Number	Sample Number	Date	Time	Ground Water	Surface Water	Soil	Other (specify)	Number of Containers	8010	8020	8023	Total Kjeldahl Nitrogen	Total Phosphorus				COMMENTS
1	Composite Pig Barn	8/2	930			X		1	X	X	X						

Person Responsible for Sample	Transfer Number	Item Number	Transfers Relinquished by:	Accepted by:	Date	Time
W) Pina	1	1	W) Pina	K-M	8-3-93	2:15 PM
	2					
Remarks:	3					
	4					

ENVIROPACT

000000000041
Attn: BILL GOULET

ENVIROPACT- TAMPA CONSULTING
11300 43RD STREET NORTH
CLEARWATER, FLORIDA 34622

16 Aug 1993
Report 13-08-012-01
LAB ID. 84271,EB4060,86119,82101,82223

Sample Description:
TIERA VERDE HIGH & DRY MARINA

SAMPLE ID.: COMPOSITE PRE BURN
COLLECTED: 08/02/93
RECEIVED: 08/03/93
COLLECTED BY: WILLIAM PINSON

Parameter	Result	Units	Method	Det. Limit	Extracted	Analyzed	Analyst
Aromatic Volatile Organics			8020	1.0			
Methyl-tert-butyl ether	BDL	mg/kg		0.1	08/07/93	08/07/93	CRT
Benzene	BDL	mg/kg		0.1	08/07/93	08/07/93	CRT
Toluene	BDL	mg/kg		0.1	08/07/93	08/07/93	CRT
Ethyl Benzene	BDL	mg/kg		0.1	08/07/93	08/07/93	CRT
Total Xylenes	BDL	mg/kg		0.1	08/07/93	08/07/93	CRT
Chlorobenzene	BDL	mg/kg		0.1	08/07/93	08/07/93	CRT
1,4-Dichlorobenzene	BDL	mg/kg		0.1	08/07/93	08/07/93	CRT
1,3-Dichlorobenzene	BDL	mg/kg		0.1	08/07/93	08/07/93	CRT
1,2-Dichlorobenzene	BDL	mg/kg		0.1	08/07/93	08/07/93	CRT
Surrogates							
Fluorobenzene	Q Min: 70		Max: 130				
Arsenic, Total	BDL	mg/kg	3050/7060	1.0		08/11/93	THB
Barium, Total	BDL	mg/kg	3050/7080	40		08/06/93	DB
Cadmium, Total	BDL	mg/kg	3050/7130	2		08/06/93	DB
Chromium, Total	BDL	mg/kg	3050/7190	4		08/06/93	DB
Halogenated Volatile Orgs.			8010	1.0			
Chloromethane	BDL	mg/kg		0.05	08/07/93	08/07/93	CRT
Bromomethane	BDL	mg/kg		0.05	08/07/93	08/07/93	CRT
Vinyl chloride	BDL	mg/kg		0.05	08/07/93	08/07/93	CRT
Chloroethane	BDL	mg/kg		0.05	08/07/93	08/07/93	CRT
Methylene chloride	BDL	mg/kg		0.05	08/07/93	08/07/93	CRT
Trichlorofluoromethane	BDL	mg/kg		0.05	08/07/93	08/07/93	CRT
1,1-Dichloroethene	BDL	mg/kg		0.05	08/07/93	08/07/93	CRT
1,1-Dichloroethane	BDL	mg/kg		0.05	08/07/93	08/07/93	CRT
trans-1,2-Dichloroethene	BDL	mg/kg		0.05	08/07/93	08/07/93	CRT
Chloroform	BDL	mg/kg		0.05	08/07/93	08/07/93	CRT
1,2-Dichloroethane	BDL	mg/kg		0.05	08/07/93	08/07/93	CRT
1,1,1-Trichloroethane	BDL	mg/kg		0.05	08/07/93	08/07/93	CRT
Carbon tetrachloride	BDL	mg/kg		0.05	08/07/93	08/07/93	CRT
Bromodichloromethane	BDL	mg/kg		0.05	08/07/93	08/07/93	CRT
1,2-Dichloropropane	BDL	mg/kg		0.05	08/07/93	08/07/93	CRT
trans-1,3-Dichloropropene	BDL	mg/kg		0.05	08/07/93	08/07/93	CRT

000000000041
Attn: BILL GOULET

ENVIROPACT- TAMPA CONSULTING
11300 43RD STREET NORTH
CLEARWATER, FLORIDA 34622

16 Aug 1993
Report T3-08-012-01
LAB ID. 84271,E84060,86119,82101,82223

Parameter	Result		Units	Method	Det. Limit	Extracted	Analyzed	Analyst
Trichloroethene	BDL		mg/kg		0.05	08/07/93	08/07/93	CRT
Dibromochloromethane	BDL		mg/kg		0.05	08/07/93	08/07/93	CRT
1,1,2-Trichloroethane	BDL		mg/kg		0.05	08/07/93	08/07/93	CRT
cis-1,3-Dichloropropene	BDL		mg/kg		0.05	08/07/93	08/07/93	CRT
2-Chloroethylvinyl ether	BDL		mg/kg		0.05	08/07/93	08/07/93	CRT
Bromoform	BDL		mg/kg		0.05	08/07/93	08/07/93	CRT
1,1,2,2-Tetrachloroethane	BDL		mg/kg		0.05	08/07/93	08/07/93	CRT
Tetrachloroethene	BDL		mg/kg		0.05	08/07/93	08/07/93	CRT
Chlorobenzene	BDL		mg/kg		0.05	08/07/93	08/07/93	CRT
1,3-Dichlorobenzene	BDL		mg/kg		0.05	08/07/93	08/07/93	CRT
1,2-Dichlorobenzene	BDL		mg/kg		0.05	08/07/93	08/07/93	CRT
1,4-Dichlorobenzene	BDL		mg/kg		0.05	08/07/93	08/07/93	CRT
Surrogates								
Bromochloromethane	Q	Min: 70		Max: 130				
2-Bromo-1-chloropropane	Q	Min: 70		Max: 130				
4-Bromofluorobenzene	Q	Min: 70		Max: 130				
2-Chlorotoluene	Q	Min: 70		Max: 130				
Hydrocarbons, Total IR	172		mg/kg	9073	5.0			
Lead, Total	BDL		mg/kg	3050/7420	4		08/06/93	DB
Mercury, Total	BDL		mg/l	7471	0.1		08/12/93	THB
Selenium, Total	BDL		mg/kg	3050/7740	2.0		08/10/93	THB
Silver, Total	BDL		mg/kg	3050/7760	2		08/09/93	DB

**** BDL INDICATES ANALYTE IS BELOW DETECTABLE LEVELS
ALL ANALYSIS PERFORMED BY EPA, ASTM, OR STANDARD METHODS

Wayne Vermeychuk, Acting Laboratory Mgr.

HOWCO ENVIRONMENTAL SERVICES, INC.
TIM'S OIL RECOVERY

STATE OF FLORIDA #50119-UO
STATE OF FLORIDA #50010-UO
EPA I.D. FLD 152-764-767
EPA I.D. FLD 108-304-379

U.S.U.O.R.

CERTIFIED MANIFEST №.103777

CUSTOMER: ADAMS TANK & LIFT	ACCT#: 310	BILL TO: TIERRA VERDE MARINA	
ADDRESS: 8440 43RD ST. N.		ADDRESS: 100 PINELLAS BAYWAY	
CITY: PINELLAS PARK	STATE/ZIP: FL 34665	CITY: TIERRA VERDE	STATE/ZIP: FL 33715
PHONE: (813)541-0558	CONTACT: ANDY	PHONE: ( ) -	
P.O. NO:		CONTACT PERSON:	

SHIPPING NAME	HAZARD CLASS & ID NO.	UNIT	EST. QUANTITY	ACTUAL QUANTITY	UNIT PRICE	TOTAL PRICE
FUEL OIL	COMBUSTIBLE LIQUID, NA 1993 RQ					
PETROLEUM PRODUCT & WATER						
Slop	Used Fuel Drums	8				

EMERGENCY CONTACT: 1-800-435-8467 EXT. 239

ARRIVAL TIME	DEPART TIME	CASH	CHARGE	CHECK NO.	TRUCK NO	CUSTOMER P.O. #
5:05	5:25		X			

TRANSPORTER/RECYCLER/CERTIFICATION

THIS IS TO CERTIFY THE ABOVE DESCRIBED MATERIALS HAVE BEEN PICKED UP AND WILL BE TRANSPORTED, TREATED, REPROCESSED AND/OR DISPOSED OF IN A MANNER PURSUANT TO ALL FEDERAL, STATE AND LOCAL LAWS AND GUIDELINES

Tommy Barclay — 8.19.93 — 44

DRIVER SIGNATURE — DATE — TRUCK/TRAILER# — HOWCO FACILITY SIGNATURE

JOB DESCRIPTION:

COMMENTS: 8-18-93 CD DRUM TRUCK T/O 8 DRUMS OF SOIL, BIB
for Thursday

BY MY SIGNATURE BELOW I ACKNOWLEDGE AND AGREE WITH THE ABOVE AND FURTHER ACKNOWLEDGE THAT I HAVE READ AND AGREE TO THE PROVISIONS AND TERMS SET FORTH ON THE REVERSE SIDE OF THIS MANIFEST.

Charlie Adams

CUSTOMER SIGNATURE — TITLE — DATE

ENVIROPACT
ENVIROPACT SERVICES, INC

WATER TABLE ELEVATION
CALCULATION SHEET

Tierra Verde Marina
100 Pinellas Bayway South
Tierra Verde, FL

DM 9/1/93

STA	BS	HI	FS	CAS. ELEV.	DTW	W.T. ELEV.
BM						
TP 1						
TP 2						
WELL #						
1		15.00	5.52	9.48	5.67	3.81
2		15.00	5.10	9.90	6.32	3.58
3		15.00	5.45	9.55	5.82	3.73
4		15.00	5.78	9.22	5.52	3.70
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

BENCHMARK DESCRIPTION: Assumed benchmark, 15' above MSL.
Depth to water measurements obtained during sampling event, 8/17/93, 17:20-19:20, falling tide

NOTES:

ENVIROPACT
ENVIROPACT SERVICES, INC.

WATER TABLE ELEVATION
CALCULATION SHEET

Tierra Verde Marina
100 Pinellas Bayway South
Tierra Verde, FL

DM 9/1/93

STA	BS	HI	FS	CAS. ELEV.	DTW	W.T. ELEV.
BM						
TP 1						
TP 2						
WELL #						
1		15.00	5.52	9.48	5.31	3.97
2		15.00	5.10	9.90	5.94	3.96
3		15.00	5.45	9.55	5.48	4.07
4		15.00	5.78	9.22	5.15	4.07
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

BENCHMARK DESCRIPTION: Assumed benchmark, 15' above MSL.
Depth to water measurements obtained
9/1/93, 12:30-1300, rising tide

NOTES:

TIDE TABLES

AUG DAYLIGHT SAVINGS TIME

	A18	HIGH A.M.	HIGH P.M.	LOW A.M.	LOW P.M.
FULL MOON	1 Sun	2:57	12.33	5.23	7.58
	2 Mon	3 05	1 15	6 13	8:26
	3 Tue	3 14	1:57	6:57	8:48
	4 Wed	3 22	2:33	7.42	9:09
2nd 31st	5 Thu	3 37	3:12	8.29	9:31
	6 Fri	3 55	3.58	9:15	9:53
	7 Sat	4.20	4.42	10:05	10:17
	8 Sun	4:56	5.38	11:01	10 39
LAST QTR.	9 Mon	5:28	6:47	12.10p	11:04
	10 Tue	6:14	8 32	1:32	11:29
	11 Wed	7:10	-----	-----	3:01
10th	12 Thu	8:16	-----	-----	4:17
	13 Fri	9:22	-----	-----	5:17
	14 Sat	10.25	-----	-----	6:07
	15 Sun	1:36	11:22a	4:10	6:43
NEW MOON	16 Mon	1:51	12:14	5:13	7:18
	17 Tue	2:06	1:03	6:09	7:50
	18 Wed	2:21	1:53	7:05	8:19
17th	19 Thu	2:43	2.44	7:59	8:46
	20 Fri	3:08	3.39	8:53	9:09
	21 Sat	3:36	4:39	9.55	9:33
	22 Sun	4:12	5:49	11:01	9:55
FIRST QTR.	23 Mon	4:54	7.37	12:17p	10:03
	24 Tue	5:47	-----	-----	1:49
	25 Wed	6:54	-----	-----	3:22
24th	26 Thu	8:22	-----	-----	4:38
	27 Fri	9:46	-----	-----	5:34
	28 Sat	1:17	10:54a	3:56	6:19
	29 Sun	1:29	11:53a	5:00	6:54
	30 Mon	1:41	12:39	5:49	7:21
	31 Tue	1:49	1:17	6.28	7:44

*- Strong Tide; a-A. M.; p- P. M.

TIDE TABLES

SEP DAYLIGHT SAVINGS TIME

	A18	HIGH A.M.	HIGH P.M.	LOW A.M.	LOW P.M.
	1 Wed	2 01	1:54	7 04	8:04
LAST QTR	2 Thu	2 12	2 31	7 39	8 19
	3 Fri	2 27	3:09	8 15	8.37
	4 Sat	2 49	3:48	8 54	8.56
9th	5 Sun	3 14	4.34	9 39	9.16
	6 Mon	3 49	5.27	10 31	9.43
	7 Tue	4.22	6 41	11 30	10.05
	8 Wed	5 11	8 43	12.47p	10:23
	9 Thu	6 13	-----	-----	2.15
NEW MOON	10 Fri	7 29	11:53	-----	3:32
	11 Sat	8.55	-----	1 35	4:36
	12 Sun	12 08	10:11a	3 28	5:25
15th	13 Mon	12 26	11:17a	4 38	6:04
	14 Tue	12 45	12.16	5 31	6:36
	15 Wed	1 00	1:08	6 23	7.08
	16 Thu	1 21	2 04	7 10	7.32
FIRST QTR	17 Fri	1 44	2 57	8 01	7.53
	18 Sat	2 12	3.56	8 51	8 15
	19 Sun	2 44	4.56	9 46	8.37
	20 Mon	3 20	6 20	10 45	8 49
22nd	21 Tue	4:06	-----	11 57	-----
	22 Wed	5 01	-----	-----	1.17
	23 Thu	6:20	-----	-----	2 44
FULL MOON	24 Fri	7:56	11:50	-----	3.56
	25 Sat	9.36	11:58	2.59	4:49
	26 Sun	10 49	-----	4 17	5:31
	27 Mon	12 13	11:47a	5:07	6:03
30th	28 Tue	12:28	12:36	5:49	6:31
	29 Wed	12.43	1:17	6:24	6:50
	30 Thu	12:54	1 54	6:59	7:08

*- Strong Tide; a-A. M.; p- P. M.

TIDE TABLES

TIERRA VERDE
MARINE CENTER
HI & DRY

100 PINELLAS BAYWAY
TIERRA VERDE, FLORIDA 33715
866-0255
SERVICE DEPT. — 864-4678

DOCKMASTER - ED SCHNEIDER

APPENDIX D-5
REGULATORY FILE REVIEW DATA
TIERRA VERDE BRIDGE (SITE NO. 5)

FLORIDA
LAWTON CHILES
GOVERNOR

DEPARTMENT OF TRANSPORTATION
BEN G. WATTS
SECRETARY

RECEIVED
MAR 9 1992
DISTRICT ENVIRONMENTAL MANAGEMENT OFFICE

MEMORANDUM

DATE: March 9, 1992

TO: H. S. Ely, Maintenance Engineer, Sarasota

FROM: K. E. Clark, District Maintenance Operations Engineer, MS 1-3 KEC

COPY: R. Nottingham, MS 1-6

SUBJECT: LEAKING TRANSFORMERS AT BASCULE BRIDGES

As you know, recently, we discovered leaking transformers on two of our drawbridges; namely, Longboat Pass - 130057 and Anna Maria - 130054.

The bridge inspectors who discovered the leaks have filed Personnel Injury/Illness Reports in the 7th District (Tampa Maintenance). Please review the copies enclosed, and warn your people.

We all realize the urgency of containing these leaks, determining the composition of the oil, and replacing the units as soon as possible.

* Therefore, we are working with our District-wide Hazardous Materials Consultant to have the oil sampled and analyzed.

In the meantime, do everything possible to abate the leaks. Also, place warning signs in conspicuous places at the location, so others will be aware of the potential hazard.

In addition, get the information from the transformer labels: make, model number, size, KVA rating, voltages, etc., and make required requisitions for replacement units, including prices and delivery information.

When we find out the make-up of the oil, we will make a plan to replace the units. We should also inspect the transformers on the other eight (8) bascule bridges in your area.

Please advise this office of your findings and subsequent actions as soon as possible. We'll keep you informed of our arrangements with Chemical Conservation Corporation as well.

KEC:jlb
Attachments

* Maint. can and lab just as well as we can.
Consultant - !! Non-Performance
This indicates we are doing something — why? — In what!

RECD 1ST DIST.MAINT. JUL 14 1994 10 → 1-6

C.O. Morgan

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET, N.E.
ATLANTA, GEORGIA 30365

JUL 08 1994

4APT-PTSB

L. M. Courtney, P.E.
District Maintenance Engineer
Florida Department of Transportation
P.O. Box 1249
215 North Floral Avenue
Bartow, Florida 33830-1249

RECEIVED

JUL 20 1994

DISTRICT ENVIRONMENTAL MANAGEMENT OFFICE

Dear Mr. Courtney:

This is in response to your February 8, 1994, letter requesting EPA's comments regarding final Polychlorinated Biphenyl (PCB) spill clean-up requirements at Anna Maria and Longboat Key draw bridges in Manatee County. Your submittal included a copy of a summary report dated January 28, 1994, which described your previous work efforts, the present status of the spill, and a recommended remedy to resolve the spill situation.

The "Summary Report" provided that "old" leaks were discovered in transformer vault areas at the above mentioned draw bridges in Manatee County on March 17, 1992, by OHM Remediation Services Corporation. The report stated that "it was estimated that a combined total of less than one gallon had leaked from the transformer units." In addition the report provided that the transformers were replaced, and the concrete/masonry areas were cleaned twice with a recognized solvent. However, even with the cleaning efforts, there remained elevated levels of residual PCBs in the concrete.

Given that the affected areas are located at inaccessible vertical exterior surfaces of the bridge abutments which are isolated from practical human contact potential, the contractor (OHM) recommends encapsulation utilizing a two part epoxy sealant system to limit contact with the PCB contaminated surface, and that warning signs would remain posted.

Toxic Substances Control Act PCB regulations at 40 C.F.R. §761.125 allow the "..Regional Administrator..to disallow the encapsulation option for a particular spill situation...if he/she determined that if the encapsulation failed, the failure would create an imminent hazard at the site."

7/20/94

Say would this be handled by the D/W Contamination Contractor for Manat

Agree

Yes, as indicated on next page under RCF.

Based on the aforementioned representations in your "Summary Report," we can foresee no "imminent hazard" at this site if the encapsulation is performed as described, if [annual] inspections for deterioration are performed, and if prompt repairs are made if deterioration is noted.

If you have further questions about this matter, please do not hesitate to call Bill Pfister of my staff at (404) 347-1033.

Sincerely yours,

Beverly A. Spagg

Beverly A. Spagg
Chief, Pesticides & Toxic
Substances Branch

COPY:
RAM
LMH
[redacted]
RLN
[redacted]
DAM+RCM

FILE: PCB

ORIG. TO RCF

RCF

CALL OHM FOR
- SCOPE OF WORK
- SCHEDULE
- "NOT TO EXCEED" $ PRICE $

OHM Corporation

RECEIVED

JAN 31 1994

DISTRICT ENVIRONMENTAL
MANAGEMENT OFFICE

January 28, 1994

Mr. Kenneth E. Clark
District Maintenance Operations Engineer
Florida Department of Transportation
District One, Maintenance Department
P.O. Box 1249
Bartow, FL 33830-1249

RE: Florida Department of Transportation
District One
Summary Report/Draft Letter to USEPA
PCB Oil/Transformer Removal and Cleanup
Anna Maria and Longboat Key Bridges

Dear Ken:

Attached is a draft of the proposed letter to the United States Environmental Protection Agency (USEPA) for the above-referenced to be forwarded under your letterhead as we discussed. Please feel free to modify the letter as you wish. The summary report by OHM Remediation Services Corp. is also included and should be attached to the letter.

Please feel free to contact me at 904-394-8601 should you have any questions.

Sincerely,

OHM REMEDIATION SERVICES CORP.

David K. Kemp, P.E.
Engineering Group Manager

Attachments

pc. R. Nottingham; FDOT

DKK/mm

DRAFT

Mr. Stuart D. Perry, Chief of Toxics Unit
United States Environmental Protection Agency, Region IV
345 Courtland Street, NE
Atlanta, Georgia 30365

RE: Florida Department of Transportation
District One
PCB Oil/Transformer Removal and Cleanup
Anna Maria and Longboat Key Bridges
Manatee County

Dear Mr. Perry:

In accordance with discussions among Mr. Mark Bloeth and Ms. Denise Davilla of the USEPA, Mr. Ken Clark and Mr. Ray Nottingham of the FDOT, and Mr. David K. Kemp, P.E. of OHM Remediation Services Corp. (OHM), this will serve to advise you of cleanup efforts completed to date as well as requesting your assistance in determining final clean-up requirements at the above referenced location.

The FDOT previously advised the Florida Department of Environmental Protection (FDEP) of clean-up activities at this location on October 26, 1992 and requested guidance towards final resolution, but received no response. After subsequent contact and discussions, initiated by the FDOT during 1993, the FDEP referred the matter to Mr. Bloeth and Ms. Davilla of the USEPA whom have since referred the FDOT to your office for assistance. Attached, please find a Summary Report prepared by OHM which describes previous work efforts, present status, and a recommended remedy method to resolve the remaining residual effects of this incident.

The Florida Department of Transportation requests your review and comments regarding the attached information and the necessary course of action to appropriately resolve this matter.

Should you have any questions, please contact the undersigned at your convenience.

Sincerely,

L. M. Courtney, P.E.
District Maintenance Engineer

cc: D. Kemp, P.E.; OHM

OHM Corporation

SUMMARY REPORT
FDOT DISTRICT I
PCB OIL/TRANSFORMER CLEANUP AND REPLACEMENT
ANNA MARIA BRIDGE
LONGBOAT KEY BRIDGE
January 28, 1994

On March 17, 1992, OHM Remediation Services Corp. (OHM) was contacted by the Florida Department of Transportation - District I (FDOT) regarding two existing transformer units that were discovered to be leaking polychlorinated biphenyl (PCB) laden oil. One transformer each was located in a vault area at the Anna Maria Bridge (State Road 64, Section 13156, Bridge No. 130054) and Longboat Key Bridge (State Road 789, Section 13080, Bridge No. 130057). The respective transformer units were approximately 40 inches high and 24 inches in diameter. It was estimated that an approximate combined total of less than one gallon of oil had leaked from the transformer units.

Initial laboratory analysis samples of the affected spill areas were taken on march 11, 1992 by the FDOT. Per EPA Method 608, elevated PCB concentrations of 50,800 mg/kg of Aroclor 1260 were indicated. Analytical documentation is attached. Since exposure to PCB's is considered detrimental to human health, a Declaration of Emergency was established by the FDOT on March 25, 1992 and OHM was contracted to remove and dispose of the existing transformer units and decontaminate affected areas. OHM also assisted in the installation of the new replacement transformer units.

Per FDOT directive OHM personnel were dispatched on March 30, 1992 to the respective bridge locations for cleanup activities and transformer unit removal/replacement. Contaminated debris material and the transformers were collected and placed in drums for transportation to PPM, Inc., located in Tucker, Georgia, for required regulatory approved disposal. After debris and transformer material was removed, concrete and masonry areas contacted by the PCB oil were cleaned utilizing the chemical "Less Than 10" as manufactured by Chemical Solutions International Corp. MSDS and related product information regarding this chemical and its applications is attached. A summary of the cleaning procedure is presented as follows:

- "Less Than 10" solution was placed on the affected areas and rubbed with a hard, durable bristle brush
- Following a minimum 30-45 minute interval, affected areas were thoroughly scrubbed and rinsed with water. All rinse water was contained by vacuum and gutter collection and placed in appropriate drums for transportation and disposal
- The cleaning procedure was repeated several times to facilitate positive cleanup results
- After cleanup was complete, wipe samples were taken for analytical evaluation.

All work, including new transformer installation, was complete as of April 3, 1992. A total of three drums were generated containing the old transformers, PCB contaminated debris and water. The drums were transported for disposal as previously discussed.

According to 40 CFR, Chapter 1, target cleanup levels for the affected contact surfaces should be 10 ug/100 cm^2 as measured by standard wipe tests. All wipe samples (2 each bridge location) were submitted to PC&B Laboratories and analyzed for PCB's by EPA Method 8080. Wipe sample areas were all approximately 100 cm^2. The analytical results indicated remaining surface area PCB concentrations of 9,290 ug/100 cm^2 for AMB-1, 210 ug/100 cm^2 for AMB-2, 5210 ug/100 cm^2 for LBK-1 and 685 ug/100 cm^2 for LBK-2 and are attached as dated April 10, 1992.

As a result of the high PCB concentrations remaining, OHM was authorized by the FDOT to return its personnel to the bridge locations on April 21, 1992 for additional cleaning applications of the "Less Than 10" chemical solution. After additional cleaning was complete on April 23, 1992, two samples of the concrete wall from each bridge vault location were taken for analytical evaluation by EPA Method 8080. Analytical results of the samples indicated PCB concentrations of 123,000 mg/kg to 488,000 mg/kg at the four sample locations and are attached as dated May 4, 1992. All rinse water and debris generated by the cleaning operation were collected, drummed and transported for disposal as hazardous waste per that described previously.

CONCLUSION/RECOMMENDATION

No further remedial action has been taken to date, although FDOT and OHM personnel have visited the bridges to visually monitor the affected areas. This is primarily due to the affected areas being located at inaccessible vertical exterior surfaces of the bridge abutments which are isolated from practical human contact potential. Further precautions have also been taken regarding access to the affected interior vault areas which have been restricted and warning signs have been posted to alert FDOT personnel of possible PCB contact within these areas. The "Less Than 10" chemical application technique is a recognized successful method to extract PCBs from the surfaces affected. However, since it is not known for how long the PCB oil leaks had continued prior to cleanup, the porosity condition of the concrete and masonry surfaces may be contributing to the remaining PCB levels within. Since the PCB concentrations remain above target cleanup levels at the contact surfaces in the isolated areas, OHM recommends consideration of an encapsulation method as a final remedy. This recommendation is based upon the isolated location conditions of the PCB material which are generally inaccessible to human contact. OHM proposes application of a two part epoxy sealant system to limit contact with the PCB contaminated surface. The first application would be of a dominant contrasting color while the second finish application would be of a different color. The intent is to have the dominant undercoat color act as a warning to any personnel should the finish top coat become weathered or worn over time. Warning signs would remain posted for continued personnel safety considerations.