ENVIRONMENTAL
SERVICES
ENGINEERING

RECEIVED
MAR 2 2 1995
Northwest Florida
DEP

March 8, 1995

Mr. Joe Ed Davis
5550 North Lagoon Drive
Panama City, Florida 32408

Subject: Limited contamination assessment at Anderson Pier, 5550 North Lagoon Drive, Panama City, Florida. DEP Facility No. ~~468512321~~ 0389-44907

CL

Dear Mr. Davis:

Limited contamination assessment services have been coordinated at the subject facility located on North Lagoon Drive, Panama City Beach. The scope of this assessment included the following:

- Install soil borings and sample soil surrounding above ground storage tanks to determine if contaminated soils remain onsite.
- Install temporary wells to determine direction of groundwater flow.
- Install wells in the source and a well downgradient.
- Develop, purge, and sample wells to determine extent of contamination.

This report presents the findings of our investigation.

SITE HISTORY

The subject facility is an operating marina, which contains two (2) 8,000 gallon aboveground tanks containing diesel fuel and one 700 gallon waste oil tank. The tanks were installed in 1983. The location of the site is indicated on Figure 1, enclosed.

On December 21, 1993, Mr. Wendall Reeve, with the Pollutant Storage Tank Program, inspected the facility and noted the presence of petroleum stained soils near the aboveground diesel tank fill pipes. We understand that there were two (2) known episodes of discharge. One discharge event, reportedly occurred in January of 1992 when a loose fitting was discovered following a discharge of approximately two (2) gallons of diesel fuel. The second discharge(s) reportedly occurred throughout the year of 1993 during fuel drops from the supplier.

2004 Lewis Turner Blvd., Suite A • Fort Walton Beach, FL 32547 • (904) 864-2213 • Fax (904) 864-1342

On March 28, and March 29, 1994, personnel with Southern Earth Sciences, Inc. (SESI) initiated an Initial Remedial Action (IRA). Excavation activities associated with the IRA were performed by Pitts Sand Company. Aerial dimensions of the excavation were approximately 11 feet wide (North to South) by 35 feet long (East to West) by 5.5 feet deep. However, according to SESI, not all excessively contaminated soils were removed. Non accessible contaminated soils were reportedly located beneath the containment structure. Excessively contaminated soils were also noted by SESI to be present on the adjacent property to the east, near the excavation. A copy of the SESI report summarizing the IRA activities is enclosed.

ASSESSMENT ACTIVITIES

Soil Quality Determination

On December 6, 1994, Environmental Services Engineering, Inc. (ESE) personnel performed 22 soil borings adjacent to, and in the vicinity of the aboveground tank containment structure and, screened the soils using an Organic Vapor Analysis (OVA) instrument (Foxboro model 128) equipped with flame ionization detector. Soil samples were collected at one and two feet below land surface (BLS) and screened with and without a carbon filter. Soil sample collection and screening procedures were performed in accordance with Rule 770.200(2), Florida Administrative Code and Comprehensive QA Plan # 920170G. On the date that the soil borings were performed the water table was encountered at approximately 2.5 feet (BLS). The soil boring locations are depicted on Figure 2, and OVA screening results are summarized in Table 1 enclosed.

Based on the findings of ESE's investigation, no "excessively contaminated" soils, as defined by Florida Chapter 17-770 F.A.C., were encountered adjacent to, or in the vicinity of the containment structure. The only elevated corrected vapor response, 35 parts per million, was documented between the containment wall and a palm tree near the southeast corner of the containment wall at 2 feet (BLS). No contaminated soils were identified during the advancement of soil borings conducted on the adjacent property to the east.

Groundwater Quality Determination

A total of three (3) permanent monitor wells (MW) and one (1) temporary monitor well (TMW) were installed at the site. Two source wells (MW2 and MW3) and a temporary well (TMW1) were installed to determine groundwater flow direction. Top of well casing elevations and water table elevations were determined by ESE personnel (see

Table 2 enclosed). Based upon water level data collected, the inferred direction of groundwater flow at the subject site is toward the south. Potentiometric surface maps depicting groundwater flow direction on two (2) dates are included in Figure 3 and Figure 4, enclosed.

Permanent well locations were selected based on evaluation of available data regarding the extent of soil contamination indicated in the IRA, the direction of groundwater flow, and information contained in the Discharge Report Form (DRF). MW2 was installed near the source of the release(s) caused during fuel drops in 1993. The placement of MW3 was determined by ESE's review of a previously submitted D.R.F., and an elevated hydrocarbon reading in that area. TMW1 was installed to better determine groundwater flow direction. MW4 was installed to determine if downgradient contaminant migration had transpired. Well locations are shown on Figure 5, enclosed. A summary of well construction information is provided on Figure 6, enclosed.

Monitor wells were installed using a 3.5-inch stainless steel bucket auger and a modified hollow stem drilling technique. Prior to constructing each well the bucket auger and extensions were decontaminated in accordance with criteria established in ESE's approved Comprehensive Quality Assurance Plan (QAP# 920170G). TMW1, MW2, MW3, and MW4 were installed on 12-9-94. TMW1 was reinstalled on 1-11-95 to confirm groundwater flow direction. Each well was constructed by advancing the bucket auger to the water table and then inserting a precleaned 4" internal diameter PVC casing to the water table. Each well was then advanced by inserting the bucket auger into the PVC casing, drilling, and as each bucket auger was removed the PVC casing was pushed down until the total well depth was achieved. All wells were constructed of 2-inch diameter schedule 40 PVC casing and factory slotted 0.010-inch screen with non-glued joints. Upon reaching the total depths (TD) of the borings, the casings and screens were set to desired depths. Filter materials for the wells consisted of 20/30 silica sand tremmied into the well while removing the 4-inch PVC casing. The 4-inch PVC casing was removed from the borehole after emplacement of the filter pack and an 8 to 12-inch bentonite seal was set to one foot BLS, and annular grout was set from 0.5 feet BLS to ground level. Each well was equipped with a 7.5" X 8" manhole and a locking cap. Since TMW1 was a temporary well used for determination of groundwater flow direction, a filter pack was not installed. Upon completion, each well was developed until the water was clear or had constant turbidity.

Groundwater Quality

On December 13, 1994, groundwater samples were collected from MW-2, MW-3, and MW-4 in accordance with ESE's DEP approved QAP# 920170G. All analyses of the

groundwater were performed by V.O.C. Analytical Laboratories, Inc. (Mobile, Alabama), which has an approved Comprehensive QAP (QAP#90376G) on file with DEP. Prior to groundwater sample collection each well was purged of a minimum of five well volumes using a clean Teflon bailer and the temperature, pH, and conductivity were recorded. All groundwater samples were secured in coolers, packed with ice, and transported to the lab with appropriate documentation.

Each sample was analyzed for volatile organic aromatics and polynuclear aromatic hydrocarbons using EPA Methods 602 and 610, respectively. Laboratory results revealed EPA 602 and 610 parameters were below detection limits in all groundwater samples. A copy of the laboratory results are enclosed.

Conclusions and Recommendations

Since no soil or groundwater contamination was identified at levels of regulatory concern, ESE recommends no further action for this site.

If you have any questions concerning the contents of this report please feel free to contact me at (904) 864-2213.

Respectfully submitted,

Environmental Services Engineering, Inc.

Keith Alonso
Environmental Specialist

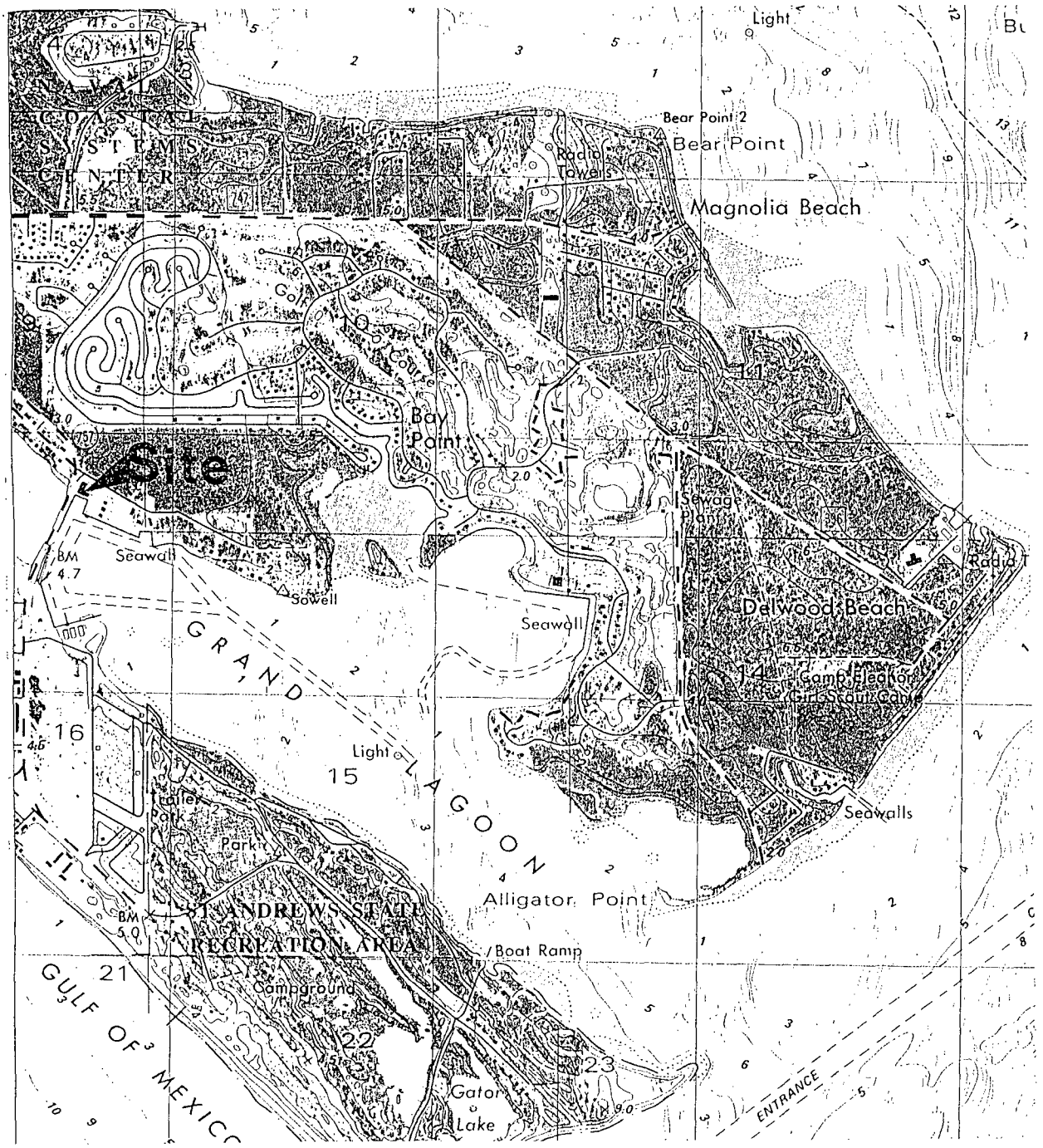
David R. Giddens Jr.
Florida Licensed Professional
Geologist No. 1654
Date: 3/15/95

Orlando Office
(407) 352-9770

Enclosures

cc: Lee Barr, President - Environmental Services Engineering, Inc.

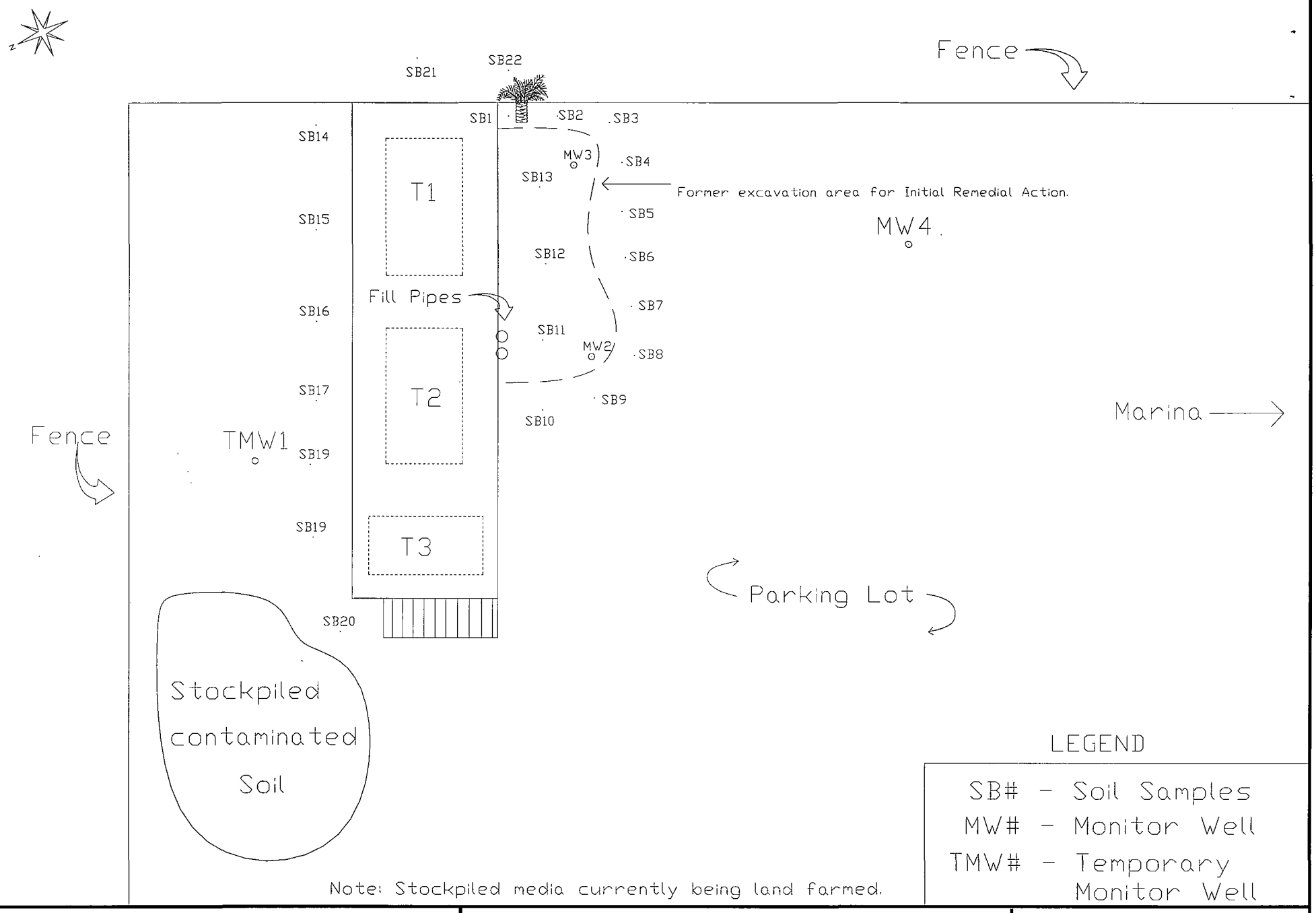
POOR ORIGINAL



U.S.G.S. Panama City, FLA
Quadrangle, 1982;
Scale: 1:24,000

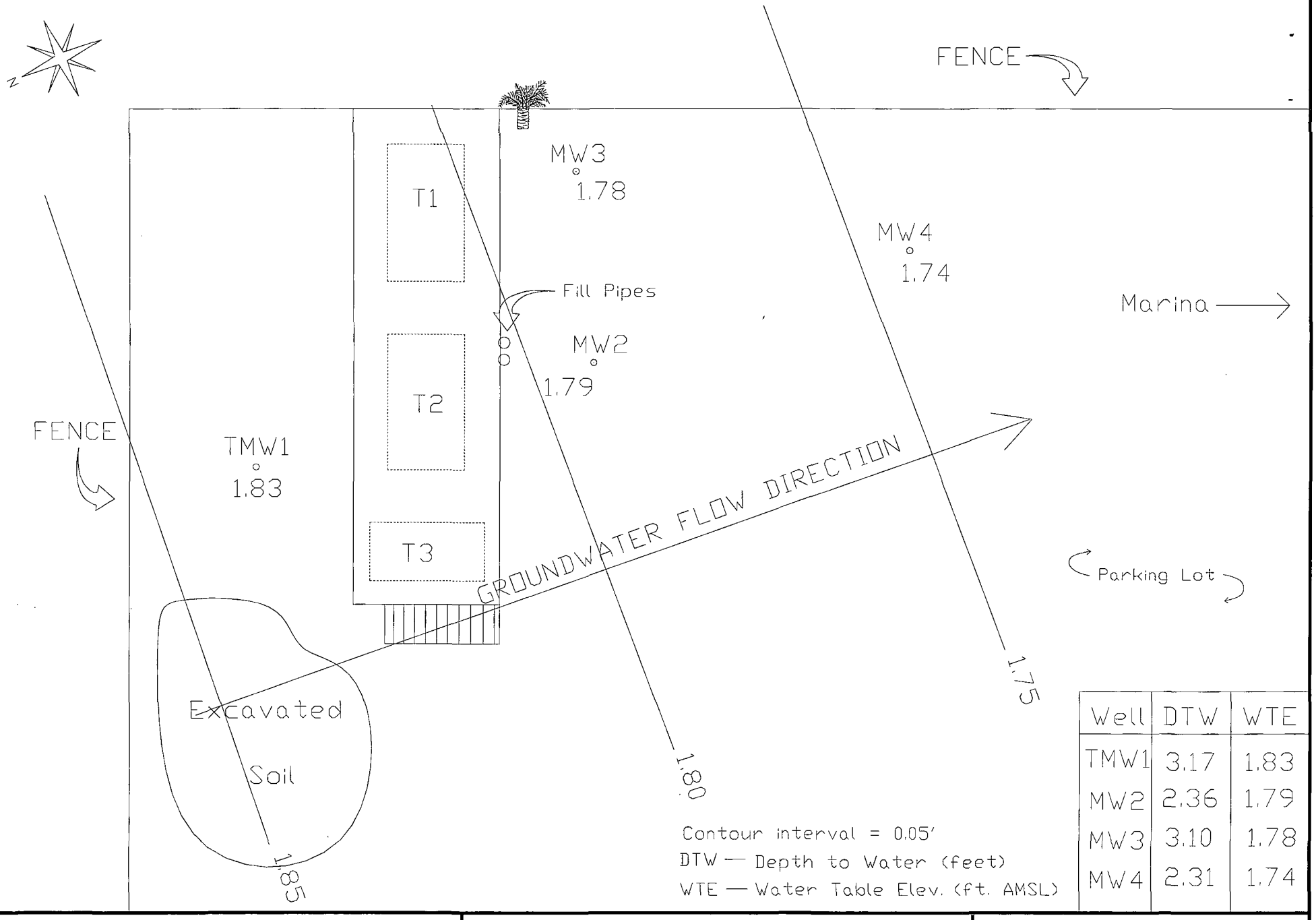
N

FACILITY LOCATION	Anderson Pier	
	FAC# 468512321	FIGURE 1



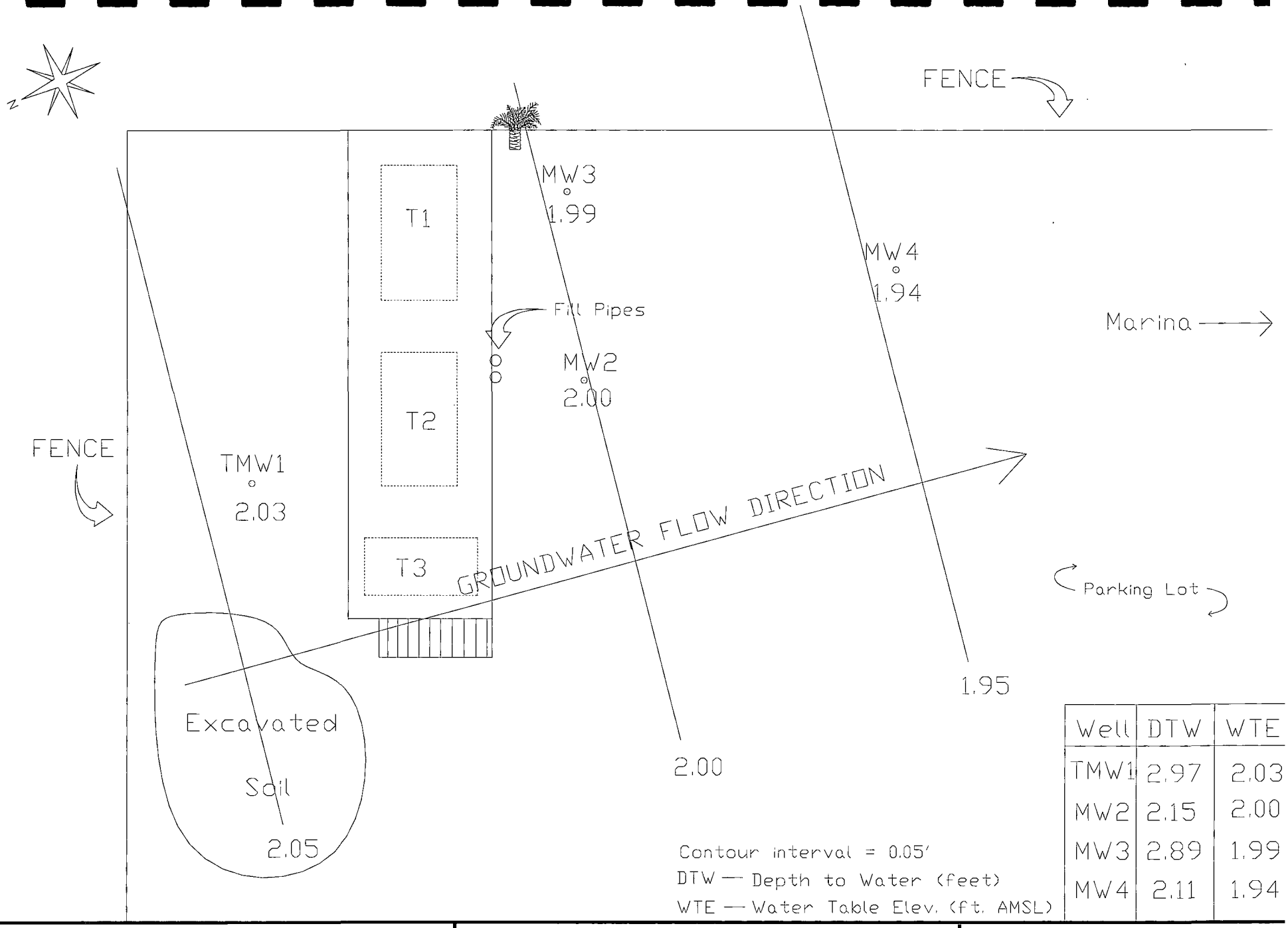
Note: Stockpiled media currently being land farmed.

Soil Sample Locations	Anderson Pier	DEP# 038944907
	1" = 15'	FIGURE 2



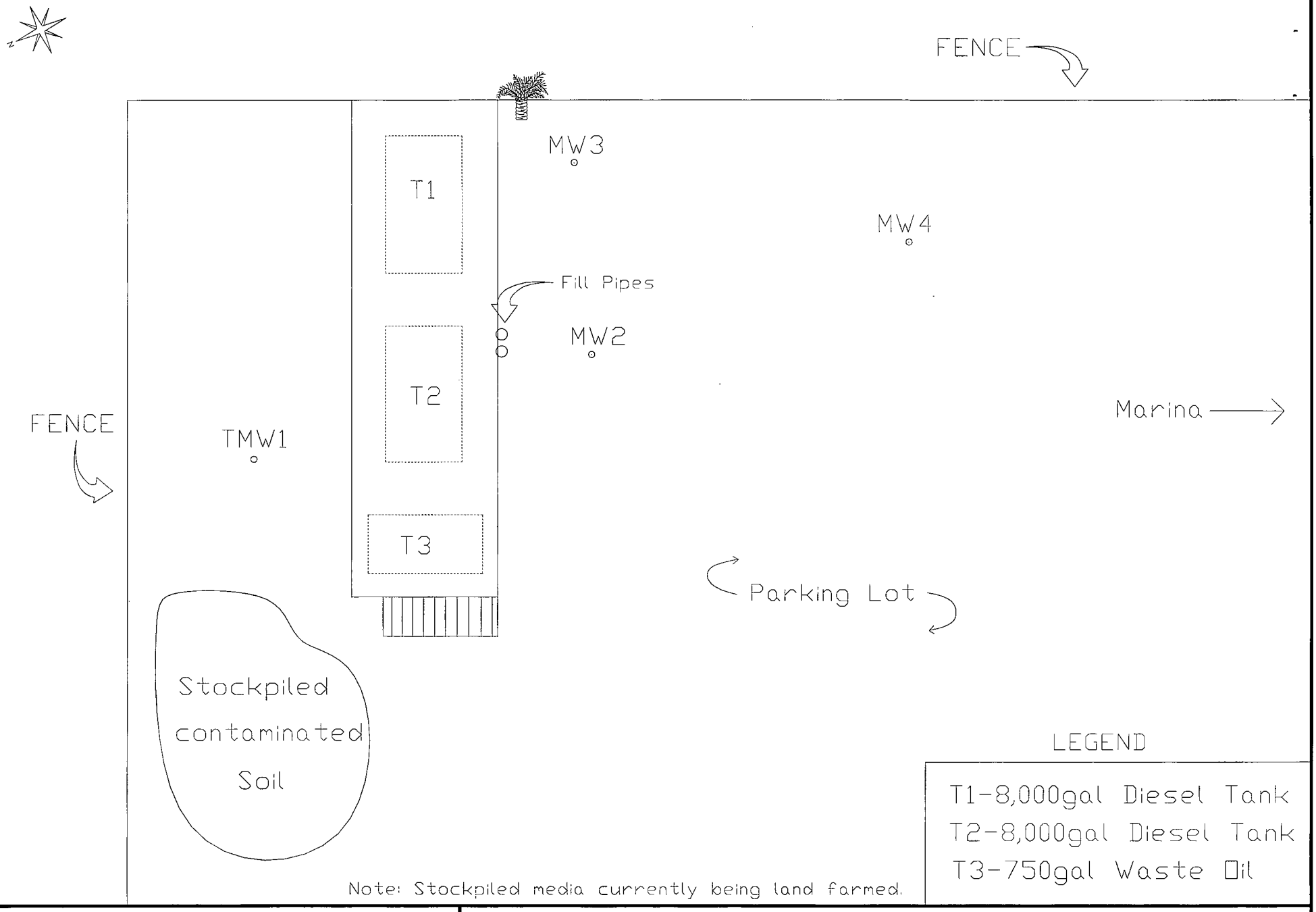
Well	DTW	WTE
TMW1	3.17	1.83
MW2	2.36	1.79
MW3	3.10	1.78
MW4	2.31	1.74

WATER TABLE CONTOUR 12/9/95	Anderson Pier	DEP# 038944907
	1" = 15'	FIGURE 3



Well	DTW	WTE
TMW1	2.97	2.03
MW2	2.15	2.00
MW3	2.89	1.99
MW4	2.11	1.94

WATER TABLE CONTOUR 1/11/95	Anderson Pier	DEP# 038944907
	1" = 15'	FIGURE 4

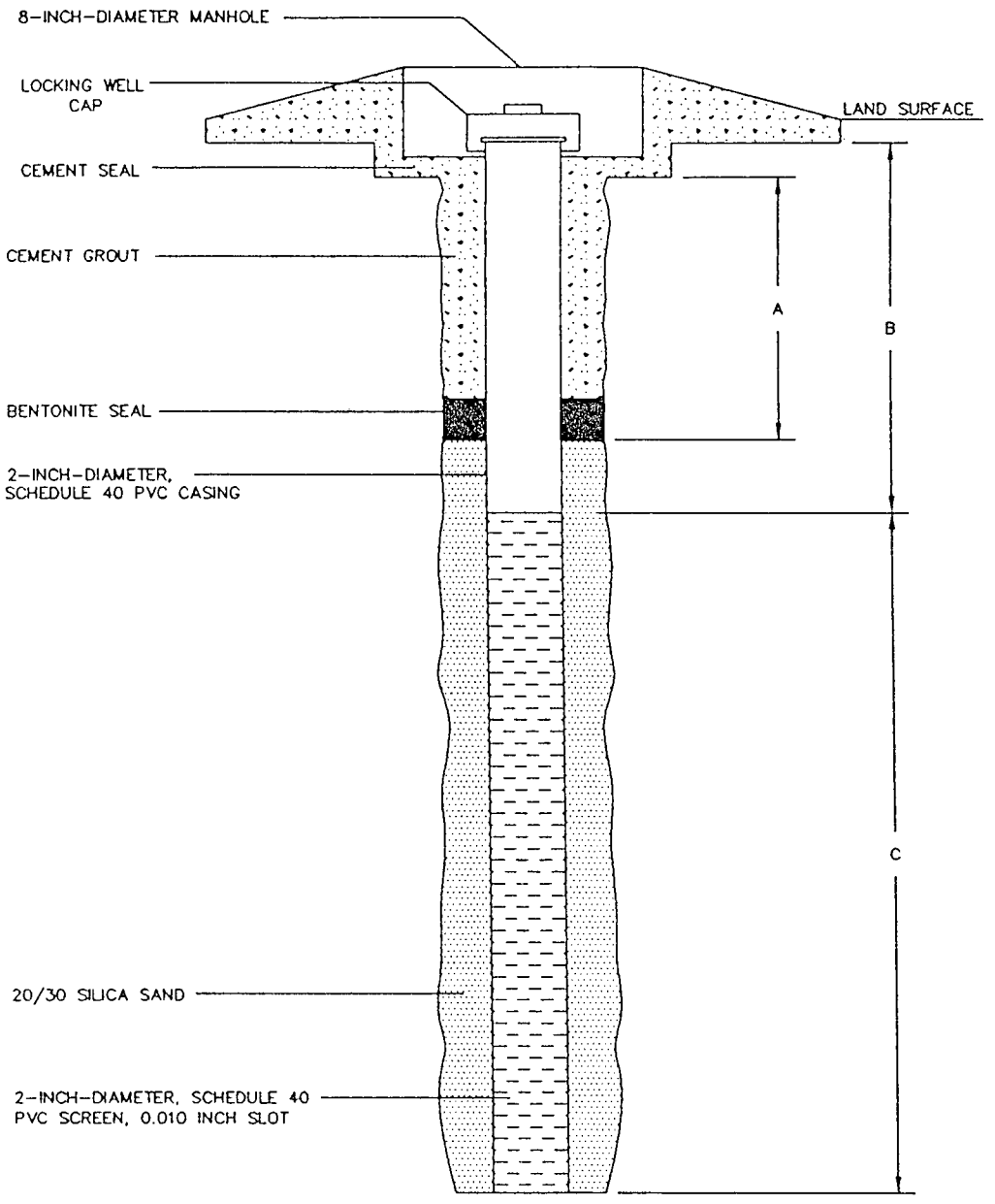


Monitor Well Locations

Environmental Services Engineering

1" = 15'

FIGURE 5



Well	A	B	C
TMW-1	1.5	2	4
MW-2	1.5	2	6
MW-3	1.5	2	7
MW-4	1.5	2	6.5

ALL MEASUREMENTS IN FEET

ENVIRONMENTAL SERVICES ENGINEERING
FT.WALTON BEACH, FLORIDA

Monitoring Well construction

Figure 6

TABLE 1

Location	Depth (feet)	OVA W/O Filter	OVA W/ Filter	Corrected OVA Reading
SB1	1	0	0	0
	2	35	0	35
SB2	1	0	0	0
	2	0	0	0
SB3	1	0	0	0
	2	38	38	0
SB4	1	0	0	0
	2	10	8	2
SB5	1	100	100	0
	2	350	350	0
SB6	1	300	300	0
	2	>1000	>1000	ND
SB7	1	>1000	>1000	ND
	2	>1000	>1000	ND
SB8	1	>1000	>1000	ND
	2	>1000	>1000	ND
SB9	1	500	500	0
	2	>1000	>1000	ND
SB10	1	900	900	0
	2	>1000	>1000	ND
SB11	1	140	140	ND
	2	>1000	>1000	ND
SB12	1	>1000	>1000	ND
	2	>1000	>1000	ND
SB13	1	>1000	>1000	ND
	2	>1000	>1000	ND

TABLE 1

Location	Depth	W/O Filter	W/ Filter	Corrected
SB14	1	0	0	0
	2	0	0	0
SB15	1	0	0	0
	2	0	0	0
SB16	1	0	0	0
	2	0	0	0
SB17	1	7	7	0
	2	>1000	>1000	ND
SB18	1	0	0	0
	2	0	0	0
SB19	1	0	0	0
	2	0	0	0
SB20	1	0	0	0
	2	360	360	0
SB21	1	0	0	0
	2	0	0	0
SB22	1	0	0	0
	2	0	0	0

NOTE: 1. All values expressed in parts per million (ppm)
2. ND = Not Determined.
3. OVA responses >1,000 ppm exceed the quantitative capabilities of the screening instrument. Therefore, the corrected responses cannot be determined. However, if the response is >1,000 ppm for both total vapor and for methane, the detected vapor is assumed to be only methane.

TABLE 2

ELEVATION DATA

PARAMETER	TMW1	MW2	MW3	MW4
Top of Casing Elevation*	5.00	4.15	4.88	4.05
Well Depth	6.0	8.0	9.0	8.5
DTW** (12-9-94)	3.17	2.36	3.10	2.31
DTW** (1-11-95)	2.97	2.15	2.89	2.11
WTE*** (12-9-94)	1.83	1.79	1.78	1.74
WTE*** (1-11-95)	2.03	2.00	1.99	1.94

* Feet Above Mean Sea Level
**Depth To Water (feet)
***Water Table Elevation (ft. Above Mean Sea Level)

Analytical Results

Our Quality Control Is Your Quality Assurance

Client #: 491M
Address: Environmental Services Engr.
2004 Lewis Turner Blvd.Suite A
Ft. Walton Beach, FL 32547

Page: 1
Date: 12/20/94
Log #: 17212-01

Sample Description Environmental Ser Engineering
ESE94-269
Anderson Marina
Groundwater Analysis

Label: MW3
Date Sampled: 12/14/94
Date Received: 12/16/94
Collected By: CLIENT

Parameter	Results	Units	Method	Detection Limit	Extr. Date	Analysis Date	Analys
PAH Compounds In Water	.	ug/l	3510/8270		12/16/94	12/17/94	EG
Naphthalene	BDL	ug/l	3510/8270	3.00	12/16/94	12/17/94	EG
2-Methylnaphthalene	BDL	ug/l	3510/8270	3.00	12/16/94	12/17/94	EG
1-Methylnaphthalene	BDL	ug/l	3510/8270	3.00	12/16/94	12/17/94	EG
Acenaphthylene	BDL	ug/l	3510/8270	2.50	12/16/94	12/17/94	EG
Acenaphthene	BDL	ug/l	3510/8270	3.00	12/16/94	12/17/94	EG
Fluorene	BDL	ug/l	3510/8270	3.00	12/16/94	12/17/94	EG
Phenanthrene	BDL	ug/l	3510/8270	3.50	12/16/94	12/17/94	EG
Anthracene	BDL	ug/l	3510/8270	3.00	12/16/94	12/17/94	EG
Fluoranthene	BDL	ug/l	3510/8270	2.50	12/16/94	12/17/94	EG
Pyrene	BDL	ug/l	3510/8270	2.00	12/16/94	12/17/94	EG
Benzo(a)anthracene	BDL	ug/l	3510/8270	3.00	12/16/94	12/17/94	EG
Chrysene	BDL	ug/l	3510/8270	2.50	12/16/94	12/17/94	EG
Benzo(b)fluoranthene	BDL	ug/l	3510/8270	3.00	12/16/94	12/17/94	EG
Benzo(k)fluoranthene	BDL	ug/l	3510/8270	2.50	12/16/94	12/17/94	EG
Benzo(a)pyrene	BDL	ug/l	3510/8270	3.00	12/16/94	12/17/94	EG
Dibenzo(a,h)anthracene	BDL	ug/l	3510/8270	7.00	12/16/94	12/17/94	EG
Indeno(1,2,3-cd)pyrene	BDL	ug/l	3510/8270	8.00	12/16/94	12/17/94	EG
Benzo(ghi)perylene	BDL	ug/l	3510/8270	4.00	12/16/94	12/17/94	EG
Dilution Factor	1	ug/l	3510/8270	.	12/16/94	12/17/94	EG

Client #: 491M
Address: Environmental Services Engr.
2004 Lewis Turner Blvd.Suite A
Ft. Walton Beach, FL 32547

Page: 1
Date: 12/16/94
Log #: 17125-03

Sample Description Environmental Ser Engineering
ESE94-269
Anderson Marina
Groundwater Analysis

Label: MW3
Date Sampled: 12/13/94
Date Received: 12/14/94
Collected By: CLIENT

Parameter	Results	Units	Method	Detection Limit	Extr. Date	Analysis Date	Analys
EPA 602 Compounds	.	ug/l	5030/8021		12/15/94	12/15/94	TJ
Benzene	BDL	ug/l	5030/8021	1.0	12/15/94	12/15/94	TJ
Chlorobenzene	BDL	ug/l	5030/8021	1.0	12/15/94	12/15/94	TJ
Toluene	BDL	ug/l	5030/8021	1.0	12/15/94	12/15/94	TJ
Ethyl benzene	BDL	ug/l	5030/8021	1.0	12/15/94	12/15/94	TJ
Total xylenes	BDL	ug/l	5030/8021	1.0	12/15/94	12/15/94	TJ
MTBE	BDL	ug/l	5030/8021	1.0	12/15/94	12/15/94	TJ
1,2-Dichlorobenzene	BDL	ug/l	5030/8021	1.0	12/15/94	12/15/94	TJ
1,3-Dichlorobenzene	BDL	ug/l	5030/8021	1.0	12/15/94	12/15/94	TJ
1,4-Dichlorobenzene	BDL	ug/l	5030/8021	1.0	12/15/94	12/15/94	TJ
Total BTEX	BDL	ug/l	5030/8021	1.0	12/15/94	12/15/94	TJ
Dilution Factor	1	ug/l	5030/8021	.	12/15/94	12/15/94	TJ

BDL = Below Detection Limits
* These compounds are Screened Only, with an estimated detection limit.
All Analyses were performed using EPA, ASTM, USGS, or Standard Methods

DAP # 900376G
HRS # E86240, 86356
SUB HRS# 86122, 86109, E86048
ADEM ID# 40720, 40850
SC CERT #96031
NC Cert #444
Tennessee Lab #02985
Connecticut Lab Approval # PH-0122

Respectfully Submitted,

Edward Dabrea

Edward Dabrea
Laboratory Director

17125-03

Client #: 491M
Address: Environmental Services Engr.
2004 Lewis Turner Blvd.Suite A
Ft. Walton Beach, FL 32547

Page: 2
Date: 12/20/94
Log #: 17212-01

Sample Description Environmental Ser Engineering
ESE94-269
Anderson Marina
Groundwater Analysis

Label: MW3
Date Sampled: 12/14/94
Date Received: 12/16/94
Collected By: CLIENT

BDL = Below Detection Limits
* These compounds are Screened Only, with an estimated detection limit.
All Analyses were performed using EPA, ASTM, USGS, or Standard Methods

QAP # 900376G
HRS # E86240, 86356
SUB HRS# 86122, 86109, E86048
ADEM ID# 40720, 40850
SC CERT #96031
NC Cert #444
Tennessee Lab #02985
Connecticut Lab Approval # PH-0122

Respectfully Submitted,

Edward Dabrea
Laboratory Director

17212-01

Client #: 491M
Address: Environmental Services Engr.
2004 Lewis Turner Blvd.Suite A
Ft. Walton Beach, FL 32547

Page: 1
Date: 12/16/94
Log #: 17125-04

Sample Description Environmental Ser Engineering
ESE94-269
Anderson Marina
Groundwater Analysis

Label: MW4
Date Sampled: 12/13/94
Date Received: 12/14/94
Collected By: CLIENT

Parameter	Results	Units	Method	Detection Limit	Extr. Date	Analysis Date	Analys
EPA 602 Compounds	.	ug/l	5030/8021		12/15/94	12/15/94	TJ
Benzene	BDL	ug/l	5030/8021	1.0	12/15/94	12/15/94	TJ
Chlorobenzene	BDL	ug/l	5030/8021	1.0	12/15/94	12/15/94	TJ
Toluene	BDL	ug/l	5030/8021	1.0	12/15/94	12/15/94	TJ
Ethyl benzene	BDL	ug/l	5030/8021	1.0	12/15/94	12/15/94	TJ
Total xylenes	BDL	ug/l	5030/8021	1.0	12/15/94	12/15/94	TJ
MTBE	BDL	ug/l	5030/8021	1.0	12/15/94	12/15/94	TJ
1,2-Dichlorobenzene	BDL	ug/l	5030/8021	1.0	12/15/94	12/15/94	TJ
1,3-Dichlorobenzene	BDL	ug/l	5030/8021	1.0	12/15/94	12/15/94	TJ
1,4-Dichlorobenzene	BDL	ug/l	5030/8021	1.0	12/15/94	12/15/94	TJ
Total BTEX	BDL	ug/l	5030/8021	1.0	12/15/94	12/15/94	TJ
Dilution Factor	1	ug/l	5030/8021	.	12/15/94	12/15/94	TJ
PAH Compounds In Water	.	ug/l	3510/8270		12/14/94	12/15/94	EG
Naphthalene	BDL	ug/l	3510/8270	3.00	12/14/94	12/15/94	EG
1-Methylnaphthalene	BDL	ug/l	3510/8270	3.00	12/14/94	12/15/94	EG
2-Methylnaphthalene	BDL	ug/l	3510/8270	3.00	12/14/94	12/15/94	EG
Acenaphthylene	BDL	ug/l	3510/8270	2.50	12/14/94	12/15/94	EG
Acenaphthene	BDL	ug/l	3510/8270	3.00	12/14/94	12/15/94	EG
Fluorene	BDL	ug/l	3510/8270	3.00	12/14/94	12/15/94	EG
Phenanthrene	BDL	ug/l	3510/8270	3.50	12/14/94	12/15/94	EG
Anthracene	BDL	ug/l	3510/8270	3.00	12/14/94	12/15/94	EG
Fluoranthene	BDL	ug/l	3510/8270	2.50	12/14/94	12/15/94	EG
Pyrene	BDL	ug/l	3510/8270	2.00	12/14/94	12/15/94	EG
Benzo(a)anthracene	BDL	ug/l	3510/8270	3.00	12/14/94	12/15/94	EG
Chrysene	BDL	ug/l	3510/8270	2.50	12/14/94	12/15/94	EG

Client #: 491M
Address: Environmental Services Engr.
2004 Lewis Turner Blvd.Suite A
Ft. Walton Beach, FL 32547

Page: 2
Date: 12/16/94
Log #: 17125-04

Sample Description Environmental Ser Engineering
ESE94-269
Anderson Marina
Groundwater Analysis

Label: MW4
Date Sampled: 12/13/94
Date Received: 12/14/94
Collected By: CLIENT

Parameter	Results	Units	Method	Detection Limit	Extr. Date	Analysis Date	Analys
Benzo(b)fluoranthene	BDL	ug/l	3510/8270	3.00	12/14/94	12/15/94	EG
Benzo(k)fluoranthene	BDL	ug/l	3510/8270	2.50	12/14/94	12/15/94	EG
Benzo(a)pyrene	BDL	ug/l	3510/8270	3.00	12/14/94	12/15/94	EG
Dibenzo(a,h)anthracene	BDL	ug/l	3510/8270	7.00	12/14/94	12/15/94	EG
Indeno(1,2,3-cd)pyrene	BDL	ug/l	3510/8270	8.00	12/14/94	12/15/94	EG
Benzo(ghi)perylene	BDL	ug/l	3510/8270	4.00	12/14/94	12/15/94	EG
Dilution Factor	1	ug/l	3510/8270	.	12/14/94	12/15/94	EG

BDL = Below Detection Limits
* These compounds are Screened Only, with an estimated detection limit.
All Analyses were performed using EPA, ASTM, USGS, or Standard Methods

QAP # 900376G
HRS # E86240, 86356
SUB HRS# 86122, 86109, E86048
ADEM ID# 40720, 40850
SC CERT #96031
NC Cert #444
Tennessee Lab #02985
Connecticut Lab Approval # PH-0122

Respectfully Submitted,

Edward Dabrea
Laboratory Director

17125-04

Client #: 491M
Address: Environmental Services Engr.
2004 Lewis Turner Blvd.Suite A
Ft. Walton Beach, FL 32547

Page: 1
Date: 12/16/94
Log #: 17125-02

Sample Description Environmental Ser Engineering
ESE94-269
Anderson Marina
Groundwater Analysis

Label: MW2
Date Sampled: 12/13/94
Date Received: 12/14/94
Collected By: CLIENT

Parameter	Results	Units	Method	Detection Limit	Extr. Date	Analysis Date	Analys
EPA 602 Compounds	.	ug/l	5030/8021		12/15/94	12/15/94	TJ
Benzene	BDL	ug/l	5030/8021	1.0	12/15/94	12/15/94	TJ
Chlorobenzene	BDL	ug/l	5030/8021	1.0	12/15/94	12/15/94	TJ
Toluene	BDL	ug/l	5030/8021	1.0	12/15/94	12/15/94	TJ
Ethyl benzene	BDL	ug/l	5030/8021	1.0	12/15/94	12/15/94	TJ
Total xylenes	BDL	ug/l	5030/8021	1.0	12/15/94	12/15/94	TJ
MTBE	BDL	ug/l	5030/8021	1.0	12/15/94	12/15/94	TJ
1,2-Dichlorobenzene	BDL	ug/l	5030/8021	1.0	12/15/94	12/15/94	TJ
1,3-Dichlorobenzene	BDL	ug/l	5030/8021	1.0	12/15/94	12/15/94	TJ
1,4-Dichlorobenzene	BDL	ug/l	5030/8021	1.0	12/15/94	12/15/94	TJ
Total BTEX	BDL	ug/l	5030/8021	1.0	12/15/94	12/15/94	TJ
Dilution Factor	1	ug/l	5030/8021	.	12/15/94	12/15/94	TJ
PAH Compounds In Water	.	ug/l	3510/8270		12/14/94	12/15/94	EG
Naphthalene	BDL	ug/l	3510/8270	3.00	12/14/94	12/15/94	EG
2-Methylnaphthalene	BDL	ug/l	3510/8270	3.00	12/14/94	12/15/94	EG
1-Methylnaphthalene	BDL	ug/l	3510/8270	3.00	12/14/94	12/15/94	EG
Acenaphthylene	BDL	ug/l	3510/8270	2.50	12/14/94	12/15/94	EG
Acenaphthene	BDL	ug/l	3510/8270	3.00	12/14/94	12/15/94	EG
Fluorene	BDL	ug/l	3510/8270	3.00	12/14/94	12/15/94	EG
Phenanthrene	BDL	ug/l	3510/8270	3.50	12/14/94	12/15/94	EG
Anthracene	BDL	ug/l	3510/8270	3.00	12/14/94	12/15/94	EG
Fluoranthene	BDL	ug/l	3510/8270	2.50	12/14/94	12/15/94	EG
Pyrene	BDL	ug/l	3510/8270	2.00	12/14/94	12/15/94	EG
Benzo(a)anthracene	BDL	ug/l	3510/8270	3.00	12/14/94	12/15/94	EG
Chrysene	BDL	ug/l	3510/8270	2.50	12/14/94	12/15/94	EG

Client #: 491M
Address: Environmental Services Engr.
2004 Lewis Turner Blvd.Suite A
Ft. Walton Beach, FL 32547

Page: 2
Date: 12/16/94
Log #: 17125-02

Sample Description Environmental Ser Engineering
ESE94-269
Anderson Marina
Groundwater Analysis

Label: MW2
Date Sampled: 12/13/94
Date Received: 12/14/94
Collected By: CLIENT

Parameter	Results	Units	Method	Detection Limit	Extr. Date	Analysis Date	Analys
Benzo(b)fluoranthene	BDL	ug/l	3510/8270	3.00	12/14/94	12/15/94	EG
Benzo(k)fluoranthene	BDL	ug/l	3510/8270	2.50	12/14/94	12/15/94	EG
Benzo(a)pyrene	BDL	ug/l	3510/8270	3.00	12/14/94	12/15/94	EG
Dibenzo(a,h)anthracene	BDL	ug/l	3510/8270	7.00	12/14/94	12/15/94	EG
Indeno(1,2,3-cd)pyrene	BDL	ug/l	3510/8270	8.00	12/14/94	12/15/94	EG
Benzo(ghi)perylene	BDL	ug/l	3510/8270	4.00	12/14/94	12/15/94	EG
Dilution Factor	1	ug/l	3510/8270	.	12/14/94	12/15/94	EG

BDL = Below Detection Limits
* These compounds are Screened Only, with an estimated detection limit.
All Analyses were performed using EPA, ASTM, USGS, or Standard Methods

QAP # 900376G
HRS # E86240, 86356
SUB HRS# 86122, 86109, E86048
ADEM ID# 40720, 40850
FC CERT #96031
NC Cert #444
Tennessee Lab #02985
Connecticut Lab Approval # PH-0122

Respectfully Submitted,

Edward Dabrea
Laboratory Director

17125-02

VOC ANALYTICAL LABORATORIES, INC.
877 N.W. 61 Street, Suite 202
Ft. Lauderdale, FL 33309
(305) 938-8823

CHAIN OF CUSTODY RECORD

V.O.C. - MOBILE

17125 Mobile

VOC ANALYTICAL

Project Name or Number	Project Location
ESE 94-269	Anderson Pier

Client Name: Environmental Services Engineering

Item Number	Sample Label	Date	Time	Ground Water	Surface Water	Soil	Other (specify)	Number of Containers	602 + MTBE	610						Preservative Type	COMMENTS
1	MW2	12-13	1200	X				3	2	1		AA62509					
2	MW3	12-13	1100	X				3	2	1		AA62510					
3	MW4	12-13	1000	X				3	2	1		AA62511					Sample broken (610)

Laboratory Analysis

Will a Common Carrier be used? X Yes ____ No

Person Responsible for Sample: Keith Hodges

Remarks:

Transfer Number	Item Number	Transfers Relinquished by:	Accepted by:	Date	Time
1				12/14	11
2					
3					
4					

ENVIRONMENTAL SERVICES ENGINEERING
GROUNDWATER SAMPLING SHEET

Date 12-13-94 Time

Site Location Anderson Pier

Sampler Keith Alonso

Water Table Approx 2.5 (feet) Total Well Depth 81

V = (.041)D x D x L
V = Volume in Gallons
D = Diameter in Inches
L = Length in Feet

Volume In Gallons 1.312

EQUIPMENT CALIBRATION

pH 7.0 Slope

Conductivity ✓

Well #	Volume	Temp.	Cond.	pH	Parameter
MW2	5 gal	25°C	280	5.3	602/610
	10 gal	25°C	270	5.2	
	15 gal	25°C	270	5.1	

Notes Keith Alonso

ENVIRONMENTAL SERVICES ENGINEERING
GROUNDWATER SAMPLING SHEET

Date 12-13-94 Time

Site Location Anderson Pier

Sampler Keith Alonso

Water Table Approx. 2.5 (feet) Total Well Depth 9' (Feet)

V = (.041)D x D x L
V = Volume in Gallons
D = Diameter in Inches
L = Length in Feet

Volume In Gallons 1.476 gal

EQUIPMENT CALIBRATION

pH 7.0 Slope

Conductivity ✓

Well #	Volume	Temp.	Cond.	pH	Parameter
MW3	5 gal	25°C	140	5.1	602/610
	10 gal	25°C	130	5.0	
	15 gal	25°C	130	5.0	

Notes Keith Alonso

ENVIRONMENTAL SERVICES ENGINEERING
GROUNDWATER SAMPLING SHEET

Date 12-13-94 Time

Site Location Anderson Pier

Sampler Keith Alonso

Water Table Approx 2.5 (feet) Total Well Depth 8.5'

V = (.041)D x D x L
V = Volume in Gallons
D = Diameter in Inches 2"
L = Length in Feet

Volume In Gallons 1.394

EQUIPMENT CALIBRATION

pH 7.0 Slope

Conductivity ✓

Well #	Volume	Temp.	Cond.	pH	Parameter
MW4	5 gal	25°C	230	5.6	602/610
	10 gal	25°C	220	5.5	
	15 gal	25°C	220	5.5	

Notes Keith Alonso

Correspondence

southern earth sciences, inc.
Environmental Consultants

Anderson's Pier
Captain Anderson's Marina
5550 North Lagoon Drive
Panama City Beach, FL 32408

July 8, 1994
File No.: F-94-034

ATTENTION: Captain Sonny Abbott

SUBJECT: Initial Remedial Action at Captain Anderson's Marina Fuel Storage Area, Panama City Beach, Florida

Dear Captain Abbott:

As requested Southern Earth Sciences, Inc. has completed monitoring initial remedial action (soil removal) at Captain Anderson's Marina Fuel Storage Area. We understand that Mr. Wendell Reeve with the Pollutant Storage Tank Program had inspected the facility and noted some petroleum stained soils near an above-ground diesel tank fill.

On January 18, 1994, Southern Earth Sciences, Inc. personnel performed a Soil Contamination Survey to determine the approximate extent of petroleum contaminated soils. In a report dated February 21, 1994, Southern Earth Sciences, Inc. recommended that about 20 cubic yards of contaminated soils should be excavated and properly disposed.

On March 28 and 29, 1994, personnel with our firm mobilized to the subject site with an organic vapor analysis instrument (OVA) with a flame ionization detector (FID). Upon our arrival, excavaiton began near the storage tank area. Excavation was performed by Pitts Sand Company. Aerial dimensions of the excavation were approximately 11 feet wide (north to south) by 35 feet long (east to west) by 5.5 feet deep. Not all excessively contaminated soils were removed on the date of our testing. Some contaminated soils were located under the existing above-ground tank containment area. Excessively contaminated soils were also present on the adjacent east property, near the excavated area.

Soil samples were taken from each side and the bottom of the excavation and screened using an OVA with and without a carbon filter. Field OVA data is reported in Table I. This field testing was performed in accordance with Florida Chapter 17-770 and Comprehensive QA Plan # 920001G procedures.

416 Jenks Avenue • P. O. Box 816 • Panama City, Florida 32402-0816 • 904/769-4773 • FAX 904/785-0564

Approxiamately 80 cubic yards (in place volume) of excessively contaminated soils were removed from the excavation. We understand that these soils will be land-farmed by Captain Anderson's Marina personnel in accordance with FDEP Guidelines. We recommend that a monitor well be installed and the groundwater sampled and tested using EPA Methods 602 and 610.

A copy of this report should be sent to Mr. Wendel Reeve (Department of Health and Rehabilative Services, (HRS), 619 North Cove Boulevard, Panama City, Florida 32401).

We appreciate the opportunity to be of service to you. Should you require additional information, please advise.

Yours very truly

SOUTHERN EARTH SCIENCES, INC.

Terry K Barnes TC

Terry K. Barnes
Environmental Technician

Keith E. Sibley

Keith E. Sibley, P.G.
Geo. Reg. No.: 1366
State of Florida

tb/tc

Copy mailed to Mr. Reeve
July 11, 1994

7-8-94

ses

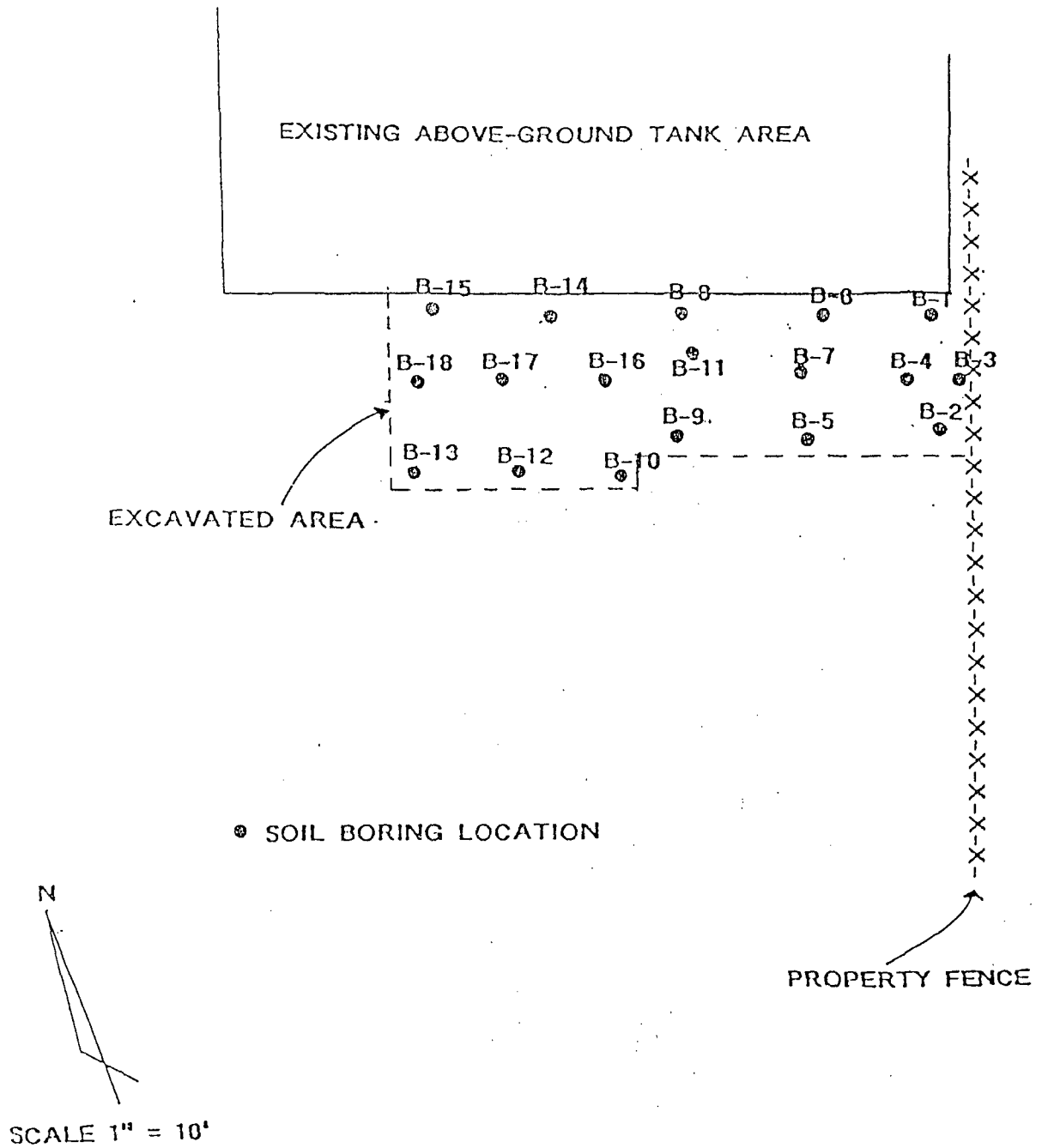
TABLE I

FIELD OVA DATA

SAMPLE	DEPTH (FEET)	OVA W/O FILTER (PPM)	OVA W/ FILTER (PPM)	CORRECTED OVA (PPM)
B-1	3	>1000	400	>600
B-2	3	100	30	70
B-3	3	100	20	80
B-4	4	400	200	200
B-5	3	720	300	420
B-6	3.5	>1000	700	>300
B-7	5	120	120	0
B-8	3.5	560	300	260
B-9	3	140	130	10
B-10	3	380	200	180
B-11	5.5	82	72	10
B-12	3	>1000	820	180
B-13	3	880	600	280
B-14	3	100	100	0
B-15	3	78	78	0
B-16	5.5	100	100	0
B-17	5.5	240	240	0
B-18	3	920	690	240

PPM = Parts Per Million

FIGURE 1


EXISTING ABOVE-GROUND TANK AREA
B-15
B-14
B-8
B-6
B-1
B-18
B-17
B-16
B-11
B-7
B-4
B-3
B-9
B-5
B-2
B-13
B-12
B-10
EXCAVATED AREA
SOIL BORING LOCATION
N
PROPERTY FENCE
SCALE 1" = 10'

DRF 12-16-93 FILED OUT 3/1/94
DATE OF DISCOVERY
NOTICE TO DO CAR 3-4-94
CAR DUE 7-16-94

30 08 52
85 44 44

DB
TRACK
EGR

STATE OF FLORIDA
DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES

BAY COUNTY
PUBLIC HEALTH UNIT

(904) 872-4455
SUNCOM: 777-4455

Please Reply To: Pollutant Storage Tank Program
HRS Environmental Health Services
619 North Cove Boulevard, Suite C
Panama City, FL 32401
(904) 872-4815/SUNCOM 777-4815

March 4, 1994

Anderson's Pier, Inc.
ATTN: Mr. Joe Ed Davis
5550 North Lagoon Drive
Panama City Beach, FL 32408

Dear Mr. Davis:

FAC. I.D.: 038944907
FAC.: Anderson's Pier, Inc.

On March 2, 1994, a Discharge Reporting Form (DRF) was received on your facility located at 5550 North Lagoon Drive, Panama City Beach.

Based upon the above information, the Department has concluded that action to further define the nature and extent of this contamination is appropriate. You are to initiate a Contamination Assessment (CA) within 30 days of discovery of contamination. In addition, you should locate the source of the discharge and have repairs completed to prevent further contamination from occurring.

Within six months after CA initiation, two copies of the Contamination Assessment Report must be filed with the Department's Northwest District, 160 Governmental Center, Pensacola, Florida 32501-5794 ATTN: Mr. Eric Ericson.

Within 14 days after receipt of this letter, you should provide us with written notification detailing the actions to be taken to remediate this site. You should include the DEP facility I.D. number listed above in all further correspondence to the Department concerning this site. If you have any questions, please contact me at 872-4815.

Sincerely,

Wendell E Reeve
WENDELL E. REEVE
Environmental Specialist II Coord.

RECEIVED
MAR - 7 1994
Northwest Florida
DEP

CC: Mr. Eric Ericson, NW District-DEP

Prog 69253
Site 61717

STATE OF FLORIDA
DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES

BAY COUNTY
PUBLIC HEALTH UNIT

(904) 872-4455
SUNCOM: 777-4455

Please Reply To: Pollutant Storage Tank Program
HRS Environmental Health Services
619 North Cove Boulevard, Suite C
Panama City, FL 32401
(904) 872-4815/SUNCOM 777-4815

September 27, 1994

Andrews Pier
ATTN: Mr. Joe Ed Davis
5550 North Lagoon Drive
Panama City Beach, Fl. 32408 0000

Dear Mr. Davis

RE: DEP Fac. No. 038944907
Fac. Name: Andrews Pier Inc.
5550 North Lagoon Drive Panama City, Fl.

Attached are the 17-762 Florida Administrative Code compliance inspection results for the above named facility. The facility was found to be in compliance with applicable rules and regulations at the time of inspection.

If you have any questions concerning this letter, please contact me or Mr. Michael Sarra at (904) 872-4815 Monday through Friday between 8:00 a.m. and 5:00 p.m.

Sincerely,

BRIAN R. HUGHES
Env. Specialist I

Approved By

Michael Sarra, MPA, REHS
Director Environmental Health

Department of Environmental Protection

FILE COPY

Lawton Chiles
Governor

Northwest District
160 Governmental Center
Pensacola, Florida 32501-5794

Virginia B. Wetherell
Secretary

September 28, 1994

Mr. Joe Ed Davis
Anderson's Pier, Inc.
5550 North Lagoon Drive
Panama City Beach, Florida 32408

Dear Mr. Davis:

On March 4, 1994, the Bay County Public Health Unit issued a Warning Letter for you to begin a Contamination Assessment at your facility, Anderson's Pier, Inc. (DEP#038944907), 5550 North Lagoon Drive, Panama City Beach. To date, we have not received the Contamination Assessment Report which was due on June 16, 1994. Your prompt attention to this matter may eliminate the need for further enforcement and/or civil penalties of up to $10,000 per day per violation pursuant to Section 403.141, Florida Statutes.

Within 7 days of receiving this letter, you should provide us with written notification detailing the actions to be taken at this site. Should you have any questions, please contact Paul Hutcherson, Storage Tanks Section, at (904) 444-8360.

Sincerely,

for Thomas W. Moody, P.E.
Waste Management Program
Administrator

TWM:phg

cc: Bay County Public Health Unit

Department of Environmental Protection

FILE COPY

Lawton Chiles
Governor

Northwest District
160 Governmental Center
Pensacola, Florida 32501-5794

Virginia B. Wetherell
Secretary

November 21, 1994

Mr. Joe Ed Davis
Anderson's Pier, Inc.
5550 North Lagoon Drive
Panama City Beach, Florida 32408

Dear Mr. Davis:

We are in receipt of your November 14th request to extend the Contamination Assessment Report (CAR) deadline for your facility, Anderson's Pier, Inc. (DEP# 038944907), 5550 North Lagoon Drive, Panama City Beach. We feel that your request is not justified.

The request was dated 151 days after the CAR was due and 30 days following your meeting with our Paul Hutcherson. Rule 62-770.800(6) specifically states that any modification request must be received by the Department at least 20 days prior to the time the action is to be initiated. Rule 62-770.800(7), F.A.C, states that "the failure of any person responsible for conducting site rehabilitation to meet any time frame herein shall be a violation of Chapter 403, F.S., and shall be enforceable by the Department pursuant to Section 403.121, F.S."

You have had more than ample time to select, contract with a consultant, and begin the Contamination Assessment. We expect the CAR to be completed and submitted to us without further delay. The timeliness of this submittal will determine whether we pursue an enforcement action in this matter.

Should you have any questions, please contact Eric Ericson, Storage Tanks Section Supervisor, at (904) 444-8360.

Sincerely,

Thomas W. Moody

Thomas W. Moody, P.E.
Waste Management Program
Administrator

TWM:phg

POOR ORIGINAL

State of Florida
Department of Environmental Regulation

Pollutant Storage Tank System Inspection Report Form

ility: ID. #: 03894907 County: 03/Bay
ility Name: Anderson's Pet, Inc.
ility Location: 5550 N. Lagoon Dr. Panama City
ility Contact: Anderson's Pet, Inc. Phone: (904)-234-3435
ner: Anderson's Pet, Inc Phone: (904)-234-3435
ner Address: 5550 N. Lagoon Dr Panama City, FL 32408-7911
n Contact: Joe Davis Owner Change Date: 9/26/89
itude: ~~30~~ 08 : 52 Longitude: 85 : 44 : 44 Fac. Type: V

k	Size	Contents	Date Installed	Under or Above	Tank Type	Integral Piping	Monitoring System	Tank Status
	6000	D	xx/83	A	D	D	I	U
	6000	D	xx/83	A	D	D	I	U
	10	L	xx/xx	A	C	A	I	U

Fan previous - 1/2. Diesel lines, 1 ea. Diesel dispensers; diesel leaks and valves outside tank end

mments:

All leaks repaired. Suggest weekly to monthly checks of fittings, especially diesel.

spection Type: (Choose One)		Site Information: (All that apply)	
outine	☐ Discharge (DRF)	☐ Near Public Wells	☐ Repaired
Installation	☐ Closure	☐ Contaminated	☐ Upgraded
bandoned	☒ Reinspection	☐ Complaint	☐ Both UST & AST
		☐ Acid Tanks	☐ Hazardous Materials

ER District or Local Program Bay CPHU

Hudes
Inspector Name (Print): Joe Ed Davis
Contact Name (Print):

9/22/94
Inspector's Signature & Date Contact's Signature & Date

Form 781-01-91

POOR ORIGINAL

Name Anderson's Pier, Inc
Facility ID # 08 3664495007
Date 9/22/94

ABOVEGROUND STORAGE TANK COMPLIANCE INSPECTION FORM

		Yes	No	Unk	N/A
REGISTRATION/NOTIFICATION: Comments:					
1. Facility has registered all applicable tanks on site; 17-762.400	1.	X			
2. Current registration placard is properly displayed; 17-762.410(4)	2.	X			
Notification has been made for the following; 17-762.450:					
3. Abandonment and closure (30 days prior); (1) (a)	3.				X
4. Change of ownership (30 days after); (1) (b)	4.				
5. Retrofitting, replacement or upgrading; (10 days prior); (1) (c)	5.				
6. Change of tank status (in service/out-of-service); (1) (d)	6.				
7. Change of facility status (e.g. substances stored); (1) (e)	7.				
8. Change of method of financial responsibility (within 30 days); (2)	8.				
9. The facility owner/operator notified D.E.R. of internal tank inspection 24 hrs prior to the test; (3)	9.				
10. Loss of greater than 100 gallons on an impervious surface or 500 gallons inside secondary containment within one working day; .450(4)	10.				
RECORD KEEPING: Comments:					
11. All records were maintained for two (2) years and were available for inspection within five (5) working days; 17-762.710	11.				
12. Some but not all records were maintained for two (2) years and were available for inspection within five (5) working days; 17-762.710	12.				X
REPORTING/DISCHARGE RESPONSE/REPAIRS: Comments: See DRF in Files					
Proper reporting requirements met for the following: 17-762.460					
13. Integral piping tightness test failure within 10 days; (1)	13.				X
14. Pollutant discharge exceeding 25 gallons on a pervious surface; (2)	14.	X			
15. Positive response of a release detection device within one working day; (3)	15.				X
The owner or the operator of the system which has discharged has:					
16. Taken it out-of-service; 17-762.700 (1) had it repaired or replaced; 700 or properly closed it; 800	16.	X			
17. Removed any regulated substances from the system; 17-762.820 (1)	17.				X
18. Tightness tested all repaired components before placing them back in service; 17-762.700 (5) & (6)	18.				X
19. Begun initial corrective actions for a release; 17-762.820 (2)	19.	X			
INVENTORY REQUIREMENTS FOR TANKS IN CONTACT WITH SOIL: Comments:					
20. All inventory requirements maintained in accordance with 17-762.720 (6)	20.				X
21. Some, but not all inventory requirements maintained in accordance with 17-762.720 (1)	21.				

Florida Department of Environmental Regulation

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

DER Form # 17-761.900(1)
Form Title Discharge Reporting Form
Effective Date December 10, 1990
DER Application No. _____ (Filled in by DER)

Discharge Reporting Form

RECEIVED
MAR 02 1994
BAY COUNTY PUBLIC HEALTH
Storage Tanks Prog.

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

1. Results of tank tightness testing that exceed allowable tolerances within ten days of receipt of test result.
2. Petroleum discharges exceeding 25 gallons on pervious surfaces as described in Section 17-761.460 F.A.C. within one working day of discovery.
3. Hazardous substance (CERCLA regulated), discharges exceeding applicable reportable quantities established in 17-761.460(2) F.A.C., within one working day of the discovery.
4. Within one working day of discovery of suspected releases confirmed by: (a) released regulated substances or pollutants discovered in the surrounding area, (b) unusual and unexplained storage system operating conditions, (c) monitoring results from a leak detection method or from a tank closure assessment that indicate a release may have occurred, or (d) manual tank gauging results for tanks of 550 gallons or less, exceeding ten gallons per weekly test or five gallons averaged over four consecutive weekly tests.

Mail to the DER District Office in your area listed on the reverse side of this form

PLEASE PRINT OR TYPE

Complete all applicable blanks

1. DER Facility ID Number: 03/8944907 2. Tank Number: FUEL TRUCK SPILLS 3. Date: 1 MARCH 1994
4. Facility Name: ANDERSON PIER, INC.
Facility Owner or Operator: CAPT. JOE ED DAVIS
Facility Address: 5550 N. LAGOON DR., PANAMA CITY BEACH, FL. 32408
Telephone Number: (904) 234-3435 County: BAY
Mailing Address: SAME AS ABOVE
5. Date of receipt of test results or discovery: 16 Dec. 1993 month/day/year
6. Method of initial discovery. (circle one only)
A. Liquid detector (automatic or manual)
B. Vapor detector (automatic or manual)
C. Tightness test (underground tanks only).
D. Emptying and Inspection.
E. Inventory control.
F. Vapor or visible signs of a discharge in the vicinity.
G. Closure _____ (explain)
(H) Other: ROUTINE INSPECTION
7. Estimated number of gallons discharged: OVER THE YEAR WHILE TRANSFERING FUEL FROM TRUCK TO TANK.
8. What part of storage system has leaked? (circle all that apply) A. Dispenser B. Pipe (C.) Fitting D. Tank E. Unknown
9. Type of regulated substance discharged. (circle one)
A. leaded gasoline
B. unleaded gasoline
C. gasohol
D. vehicular diesel
E. aviation gas
G. jet fuel
L. used/waste oil
(M. diesel)
O. new/lube oil
V. hazardous substance includes pesticides, ammonia, chlorine and derivatives (write in name or Chemical Abstract Service CAS number) _____
Z. other (write in name) _____
10. Cause of leak. (circle all that apply)
A. Unknown
B. Split
C. Loose connection
D. Corrosion
E. Puncture
F. Installation failure
G. Spill _____
H. Overfill
(I) Other (specify) WHILE DOING FUEL TRANSFER FROM TRUCK TO TANK.
11. Type of financial responsibility. (circle one)
A. Third party insurance provided by the state insurance contractor
(B) Self-insurance pursuant to Chapter 17-769.500 F.A.C.
C. Not applicable
D. None
12. To the best of my knowledge and belief all information submitted on this form is true, accurate, and complete.

RECEIVED
MAR - 7 1994
Northwest Florida

CAPT. JOE ED DAVIS
Printed Name of Owner, Operator or Authorized Representative

_____
Signature of Owner, Operator or Authorized Representative

Northwest District Northeast District Central District

POOR ORIGINAL RECEIVED JAN 21 1992

Florida Department of Environmental Regulation

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

DER Form # 17-761.900(1)
Form Title Discharge Reporting Form
Effective Date December 10, 1990
DER Application No. _____

Logged In

Discharge Reporting Form

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

1. Results of tank tightness testing that exceed allowable tolerances within ten days of receipt of test result.
2. Petroleum discharges exceeding 25 gallons on pervious surfaces as described in Section 17-761.460 F.A.C. within one working day of discovery.
3. Hazardous substance (CERCLA regulated), discharges exceeding applicable reportable quantities established in 17-761.460(2) F.A.C., within one working day of the discovery.
4. Within one working day of discovery of suspected releases confirmed by: (a) released regulated substances or pollutants discovered in the surrounding area, (b) unusual and unexplained storage system operating conditions, (c) monitoring results from a leak detection method or from a tank closure assessment that indicate a release may have occurred, or (d) manual tank gauging results for tanks of 550 gallons or less, exceeding ten gallons per weekly test or five gallons averaged over four consecutive weekly tests.

Mail to the DER District Office in your area listed on the reverse side of this form

PLEASE PRINT OR TYPE

Complete all applicable blanks

1. DER Facility ID Number: 03/8944907 2. Tank Number One + Two 3. Date: 1-21-92
4. Facility Name: Anderson Pier, Inc.
Facility Owner or Operator: Joe Ed Davis
Facility Address: 5556 N. Lagoon Dr. Panama City Beach, FL 32408
Telephone Number: 904 234-3435 County: Bay
Mailing Address: 5550 N. Lagoon Dr, Panama City Beach, FL 32408
5. Date of receipt of test results or discovery: 1-21-92 month/day/year
6. Method of initial discovery. (circle one only)
   A. Liquid detector (automatic or manual)
   B. Vapor detector (automatic or manual)
   C. Tightness test (underground tanks only).
   D. Emptying and Inspection.
   E. Inventory control
   (F) Vapor or visible signs of a discharge in the vicinity.
   G. Closure: _____ (explain)
   H. Other: _____
7. Estimated number of gallons discharged. two
8. What part of storage system was leaked? (circle all that apply) A. Dispenser B. Pipe (C) Fitting D. Tank E. Unknown
9. Type of regulated substance discharged. (circle one)
   A. leaded gasoline
   B. unleaded gasoline
   C. gasohol
   (D) vehicular diesel
   F. aviation gas
   G. jet fuel
   L. used/waste oil
   M. diesel
   O. new/lube oil
   1. hazardous substance includes pesticides, ammonia, chlorine and derivatives (write in name or Chemical Abstract Service CAS number) _____
   2. other (write in name) _____
10. Cause of leak. (circle all that apply)
   A. Unknown
   (C) Loose connection
   E. Puncture
   G. Spill _____
   I. Other (specify) _____
   B. Spill
   D. Corrosion
   F. Installation failure
   H. Overfill
11. Type of financial responsibility (circle one)
   A. Third party insurance provided by the state insurance contractor
   (B) Self-insurance pursuant to Chapter 17-769.500 F.A.C.
   C. Not applicable
   D. None

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

Joe Ed Davis
Printed Name of Owner, Operator or Authorized Representative

Joe Ed Davis
Signature of Owner, Operator or Authorized Representative

Tallahassee District 160 Governmental Center | Northwest District 160 Governmental Center | Central District 3319 Maguire Blvd. Suite 232 | Southwest District | South District