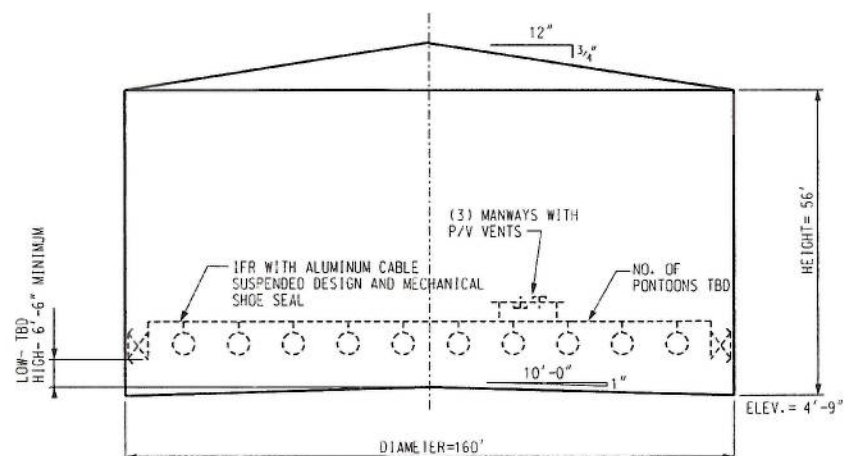


NOTE:
NOZZLES AND OTHER ITEMS ARE
SHOWN DOUBLE IN SCALE FOR
CLARITY ONLY.

ORIENTATION PLAN
NO SCALE



ELEVATION
NO SCALE

TANK NO. & LOCATION
TANK CAPACITY (BBL'S)
TANK SERVICE (PRODUCT)
TRUE VAPOR PRESSURE AT 120° F OPERATING TEMP.
TANK SHELL DESIGN SPEC. GRAVITY
TANK DESIGN TEMP.
DESIGN METAL TEMP.
MAXIMUM PUMPING RATE IN
MAXIMUM PUMPING RATE OUT
TANK FLOATING ROOF DESIGN S.G.

200-17
200,000
GASOLINE
ATMOS
120° F
40° F
8000 BPH
11,700 BPH
0.7

REFERENCE DRAWINGS:

STANDARD DWG	PROJECT DWG	DRAWING TITLE
GSTD-0101-01-E	130-00302-02-T	TYPICAL TANK GROUND METHOD
GSTD-0103-01-C	130-00302-07-T	STANDARD PREFERRED 36" MANWAY
GSTD-0103-04-C	130-00302-08-T	MANWAY SEAL DEFLECTOR PLATE
GSTD-0111-01-C	130-00302-09-T	STANDARD STORAGE TANK ROOF
		GUARDRAILS STANDARD
		8" & 16" SECTIONS
GSTD-0117-01-P	130-00302-10-T	STANDARD SHELL NOZZLE DETAIL
GSTD-0120-01-T	130-00302-11-T	FALL HAZARD ABATEMENT FOR TOP OF
		VERTICAL STORAGE TANKS
GSTD-0134-01-T	130-00302-12-T	STANDARD BOTTOM INSTALLATION
GSTD-0135-01-T	130-00302-13-T	STANDARD COLUMN BEARING PLATE
LSTD-0117-21-T	130-00302-03-T	TANK GAUGE
LSTD-0117-24-T	130-00302-03-T	TEMPERATURE PROBE
LSTD-0117-25-T	130-00302-04-T	HIGH LEVEL ALARM
LSTD-0122-01-C	130-00302-05-T	STANDARD STORAGE TANK RINGWALL
		FOUNDATION
LSTD-0135-01-T	130-00302-06-T	STANDARD ROOF MANWAY LADDER
LSTD-0136-01-C	130-00302-14-T	STANDARD ROOF HATCH WITH HANDLE
LSTD-0153-01-D	130-00302-15-T	LOADING RACK SUCTION LINE TROUGH
LSTD-0154-01-T	130-00302-16-T	RECEIPT LINE DIFFUSER
LSTD-0155-01-T	130-00302-17-T	WATER DRAW-OFF
LSTD-0156-01-T	130-00302-18-T	LOW SUCTION LINE
LSTD-0157-01-T	130-00302-19-T	SAMPLE VALVE
LSTD-0158-01-T	130-00302-20-T	PIPE SUPPORT FOR INTERNAL PIPE
LSTD-0161-01-P	130-00302-21-T	TANK ROOF NOZZLE
LSTD-0162-01-T	130-00302-22-T	PIPING CONFIGURATION
LSTD-0168-01-T	130-00302-23-T	JET NOZZLE
LSTD-0173-01-T	130-00302-24-T	STANDARD WINDING STAIRWAY (1 OF 2)
LSTD-0173-02-T	130-00302-25-T	STANDARD WINDING STAIRWAY (2 OF 2)
LSTD-0175-01-T	130-00302-26-T	STANDARD TIE OFF ANCHOR
LSTD-0178-01-T	130-00302-27-T	API 653 NAMEPLATE WITH BRACKET
LSTD-0182-01-T	130-00302-28-T	ALUMINUM PONTOON FLOATING ROOF

NOTES:

- ALL DESIGN FABRICATION, AND CONSTRUCTION TO BE IN ACCORDANCE WITH API 650, LATEST EDITION.
- MINIMUM SHELL THICKNESS $\frac{1}{4}$ " (INCLUDES CORROSION ALLOWANCE)
- MINIMUM FLOOR THICKNESS $\frac{5}{16}$ " (INCLUDES CORROSION ALLOWANCE)
- WINDING STAIRWAY WILL START AT TBD AND RUN (CLOCK, COUNTERCLOCK) WISE SEE SCHEDULE NO. 13.
- AUTOMATIC GAUGE WILL NOT BE FURNISHED AND INSTALLED BY THE TANK ERECTOR. AUTOMATIC GAUGE WILL BE REQUIRED (MPC TO PROVIDE). FLOAT REQUIRED.
- ELECTRICAL POWER IS NOT AVAILABLE FOR WELDING. ERECTOR IS TO FURNISH (SAFETY DISCONNECT SWITCHES/ GENERATOR).
- ADVISE FIELD SUPERINTENDANT TO VERIFY NOZZLE LOCATIONS WITH PROJECT ENGINEERING DEPARTMENT BEFORE PROCEEDING WITH NOZZLE INSTALLATION.
- IF NOZZLE IS NOT NEEDED IN THE ABOVE SCHEDULE MARK "NOT REQUIRED".
- SF = SINGLE FLANGE, DF = DOUBLE FLANGE.
- RF = RAISED FACE, FF = FLAT FACE
- COUPLING = CPLG.
- SHELL CORROSION ALLOWANCE = 0.125 INCHES O/C (BOTTOM SHELL COURSE ONLY)
- ROOF AND SHELL VENTS SHALL HAVE COVERS AND SCREENS REMOVABLE FROM THE OUTSIDE TO ALLOW FOR SEAL INSPECTION.
- TANK IS TO BE ERECTED ON CONCRETE RINGWALL FOUNDATION BY OTHERS.
- PAINT BY OTHERS.
- AT THE COMPLETION ON THE ERECTION OF THIS TANK, THE CONTRACTOR SHALL FURNISH THE OWNER A SHELL ROLLOUT SKETCH WITH THE FOLLOWING MINIMUM ALL RADIOGRAPHIC FILE AND INFORMATION:
a.) HEAT NUMBERS FOR EACH SHELL PLATE
b.) WELDERS MARK FOR EACH HORIZONTAL AND VERTICAL WELD SEAM INDICATING WHO WELDED THE SEAM (BOTH INSIDE AND OUTSIDE PASSES)
c.) LOCATION (BY DIMENSION) AND IDENTIFICATION OF RADIOGRAPHIC FILM TAKEN.

NOZZLE SCHEDULE (SEE NOTE 10)

MARK NO.	REQUIRED	SIZE & SERIES	ORIENTATION	PROJECTION	CENTERLINE ELEVATION	SERVICE
1	1	12" CL. 150 RF, SF	TO BE DETERMINED	9"	1' - 1 $\frac{1}{2}$ "	SPARE
2	1	24" DIA. API STANDARD	TO BE DETERMINED	N/A	ROOF	MANWAY W/HANDRAIL
3	1	10" CL. 150 RF, DF	TO BE DETERMINED	9"	1' - 4 $\frac{3}{4}$ "	JET MIXER
4	1	12" CL. 150 RF, DF	TO BE DETERMINED	9"	1' - 4 $\frac{3}{4}$ "	RECEIPT
5	3	4" CL. 150, RF, SF	TO BE DETERMINED	7"	9"	WATER DRAW W/ INTERNAL SUMP
6	1	6" (MIN) CL. 150 RF, HILLSIDE W/NO. 7	TO BE DETERMINED	8"	1' - 4 $\frac{3}{4}$ "	LOW SUCTION
7	1	16" CL. 150 RF, DF	TO BE DETERMINED	10"	1' - 4 $\frac{3}{4}$ "	SUCTION
8	6 TOTAL	GROUNDING LUGS	TO BE DETERMINED	N/A	CHIME	GROUND ELECTRICAL
9	4	4" SPECIAL	TO BE DETERMINED	FLUSH	TO BE DETERMINED	FOAM INJECTION
10	3	36" API STANDARD	TO BE DETERMINED	14"	3' - 0 $\frac{3}{8}$ "	MANWAY/DAVIT & SEAL OVER RIDE
11	1	30" WIDE	TO BE DETERMINED	N/A	TO BE DETERMINED	BOTTOM OF STAIRWAY
12	SEE NOTE 19	$\frac{1}{2}$ " CL. 3000	TO BE DETERMINED	N/A	SEE NOTE NO. 19	SAMPLE DRAW
13	1	14" CL. 150, SF, RF	TO BE DETERMINED	9"	ROOF	ENRAF
14	1	30" WIDE	TO BE DETERMINED	N/A	ROOF	TOP OF STAIRWAY
15	1	4" CL. 150 SF	TO BE DETERMINED	9"	ROOF	MAGNETRA/ 4" HI-LEVEL ALARM
16	1	36" x 36" ACCESS HATCH	TO BE DETERMINED	N/A	ROOF	ACCESS HATCH/ MANWAY W/HANDLES & LADDER/GAUGE POLE COMBO
17	1	6" CL. 150 SF	TO BE DETERMINED	9"	ROOF	TEMPERATURE PROBE
18	1	AS REQUIRED	TO BE DETERMINED	N/A	ROOF	CENTER VENT
19	3	4" CL.	TO BE DETERMINED	6"	ROOF	PAINTERS HITCH/ TIE-OFF POINT



DSNR.	DATE	REVISIONS	BY	CHKD.	DATE	REVISIONS	BY	CHKD.
1	5/13/02	WSH	WSH	WSH	5/13/02	WSH	WSH	WSH
2	9/28/02	WSH	WSH	WSH	9/28/02	WSH	WSH	WSH
3	5/13/02	LJB	LJB	LJB	5/13/02	LJB	LJB	LJB
4	4/20/15	JTC	JTC	JTC	4/20/15	JTC	JTC	JTC
5	7/6/15	JTC	JTC	JTC	7/6/15	JTC	JTC	JTC



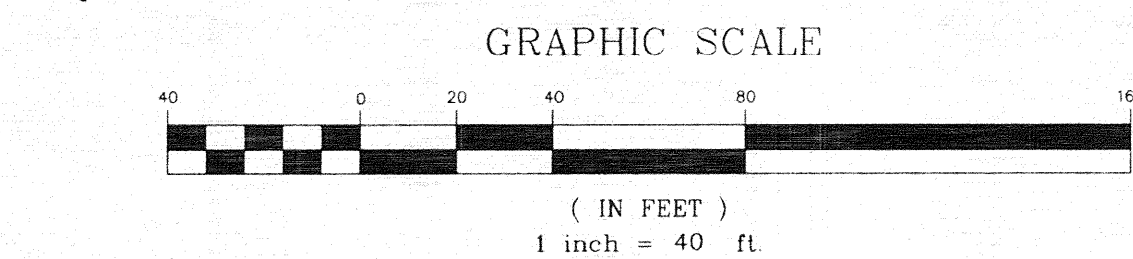
STANDARD INTERNAL
FLOATING ROOF
STORAGE TANK

FT LAUDERDALE SPANGLER
TANK 200-17

SCALE	1" = 1' (111X117) 1/4" = 1' (122X141)
DATE	7-7-2000
DRAFTER	W.S. WALLENFELTZ
DESIGNER	JAMES G. MOORE
APP	

UNIT-DWG-SHT-TYPE
CAM #1600397

prepared by:
McLAUGHLIN ENGINEERING COMPANY (LB#285)
400 N.E. 3rd AVENUE FORT LAUDERDALE, FLORIDA
PHONE: (954) 763-7611
FAX: (954) 763-7615



LEGEND

Δ = CENTRAL ANGLE (DELTA)
R = RADIUS
A OR L = ARC LENGTH
CH.BRG = CHORD BEARING
TAN.BRG = TANGENT BEARING
P.O.C. = POINT OF COMMENCEMENT
P.O.B. = POINT OF BEGINNING
W/MCL CAP = WITH McLAUGHLIN ENGINEERING CO. CAP
P.R.M. = PERMANENT REFERENCE MONUMENT
CONC. = CONCRETE
C.B.S. = CONCRETE, BLOCK AND STUCCO
ELEV. = ELEVATION
O/S = OFFSET
A/C = AIR CONDITIONING
C = CENTERLINE OF RIGHT-OF-WAY
F.P.L. = FLORIDA POWER AND LIGHT CO.
S.B.T. = SOUTHERN BELL TELEPHONE
B.C.R. = BROWARD COUNTY RECORDS
D.C.R. = DADE COUNTY RECORDS
O.R. = OFFICIAL RECORDS BOOK
PC = PAGE
R/W = RIGHT-OF-WAY

NOTES:

- This survey reflects all easements and rights-of-way, as shown on above referenced record plat(s). The subject property was not abstracted for other easements road reservations or rights-of-way of record by McLaughlin Engineering Company.
- Underground improvements if any not located.
- This drawing is not valid unless sealed with an embossed surveyor's seal.
- Boundary survey information does not infer Title or Ownership.
- All iron rods 5/8", unless otherwise noted.
- Reference Bench Mark: Lowest finished floor of building #701 one-story c.b.s. building, Elevation = 12.26
- Elevations shown refer to National Geodetic Vertical Datum (1929), and are indicated thus: 8.16
- This property lies in Flood Zone "AE", Elev. = 7.0', Per Flood Insurance Rate Map No. 12011C0218 F & 0219 F, Dated August 18, 1992, Community Panel No. 125105 Index Map Dated: October 2, 1997.
- Bearing shown refer to an assumed bearing of South 88°20'24" West on the centerline of State Road #84.

EASEMENT NOTES:

- There are no other easements, road reservations or rights-of-way affecting this property, per Lawyers Title Insurance Corporation, Order Number 1053401, Dated January 20, 2005 at 8:00 A.M. subject to the following (numbering shown refers to said title work):
- Matters shown in Plat Book 63, Page 11, B.C.R. affect this property and are reflected hereon.
 - Matters shown in Plat Book 68, Page 38, B.C.R. affect this property and are reflected hereon.
 - Reservations contained in O.R. 28879, Page 824, B.C.R., affect this property, Nothing Plotted.
 - Utility Easement and S.E. 22nd Street Vacation, recorded in O.R. 28697, Page 583, B.C.R., affect this property and are reflected hereon.
 - Easement recorded in O.R. 38552, Page 1886, B.C.R. affects this property as shown hereon.
 - Easement recorded in D.B. 347, Page 438, B.C.R. and affected by D.B. 674, Page 461, B.C.R., affect the S.E. 10th Avenue right-of-way, lying East of and adjacent to this property, as shown hereon. Deed Book 368, Page 42, B.C.R., does not affect this property.

OFFICE NOTES

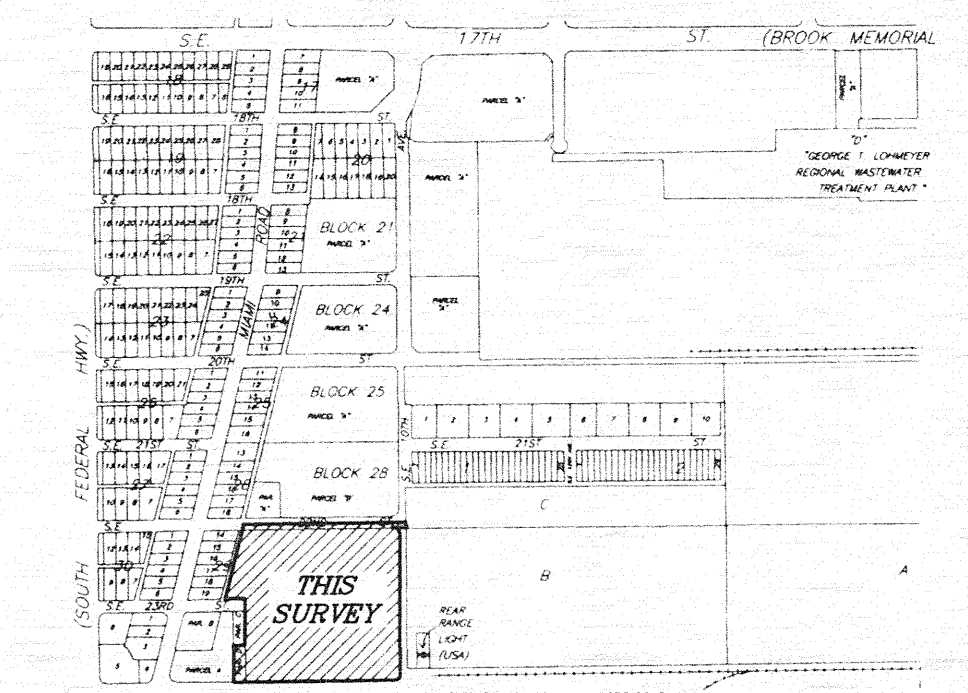
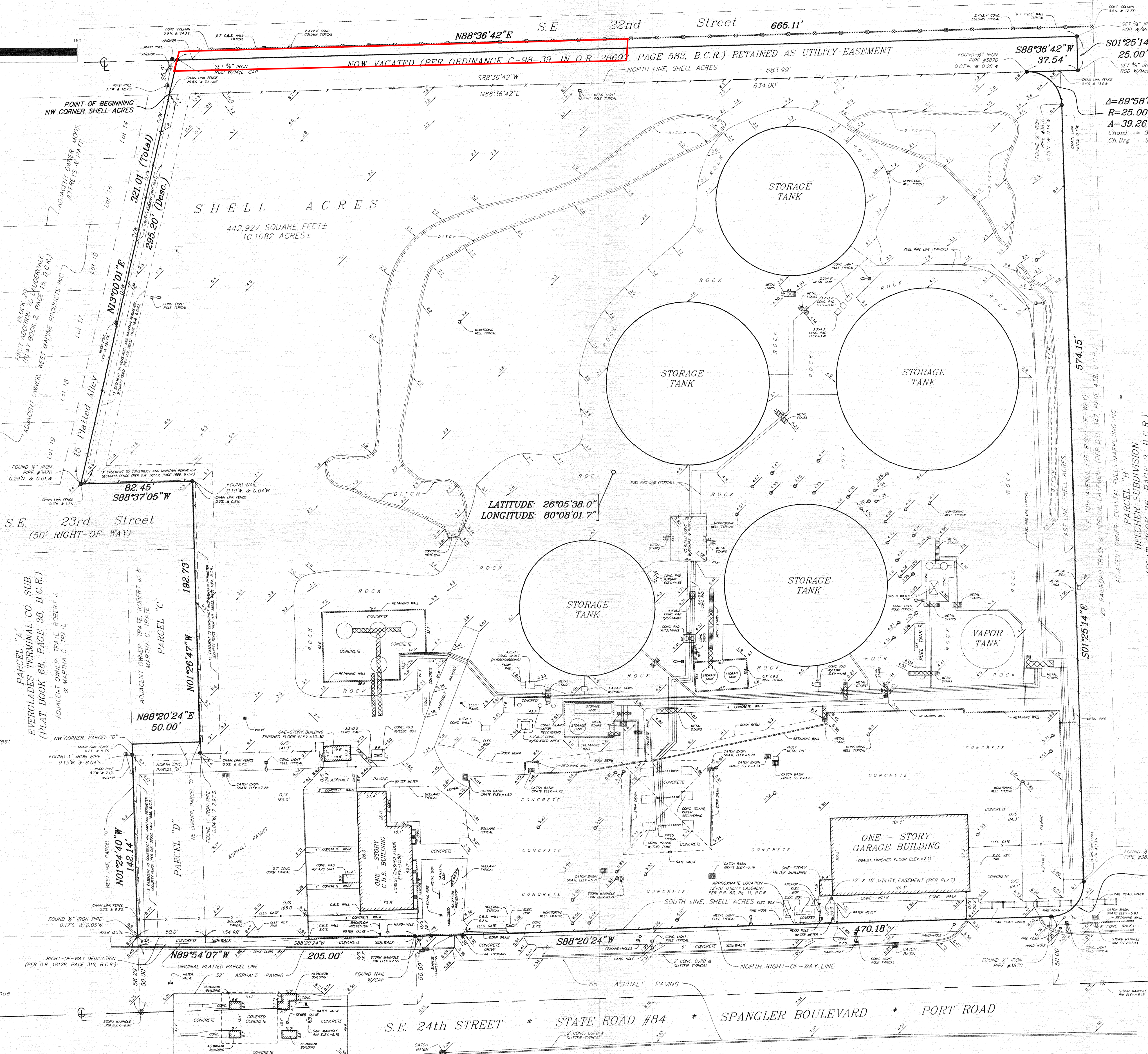
FIELD BOOK NO. IDS/48, LB#247A/78, PRINTS

JOB ORDER NO. U-0754

CHECKED BY:

DRAWN BY: DRP

ADJACENT OWNER: MEDITERRANEAN VILLAGE LTD. PARTNERSHIP



Location Map
NOT TO SCALE

ALTA/ACSM LAND TITLE SURVEY

PORTION OF SHELL ACRES (PLAT BOOK 63, PAGE 11, B.C.R.) AND A PORTION OF PARCEL 'D' (PLAT BOOK 68, PAGE 38, B.C.R.)

Legal Description

All of SHELL ACRES, according to the plat thereof, as recorded in Plat Book 63, Page 11, of the public records of Broward County, Florida, less there from that portion thereof lying within the plat of EVERGLADES TERMINAL CO. SUB., according to the plat thereof, as recorded in Plat Book 68, Page 38, of the public records of Broward County, Florida.

TOGETHER WITH:

Parcel 'D', of EVERGLADES TERMINAL CO. SUB., according to the plat thereof, as recorded in Plat Book 68, Page 38, of the public records of Broward County, Florida.

LESS AND EXCEPT from all of the hereinabove described lands the following portion thereof for road right-of-way, as described in that deed recorded in Official Records Book 18128, Page 319, of the public records of Broward County, Florida:

A portion of Parcel 'D', of EVERGLADES TERMINAL CO. SUB., according to the plat thereof, as recorded in Plat Book 68, Page 38, of the public records of Broward County, Florida, being more particularly described as follows:

Begin at the Southwest corner of said Parcel 'D', then run North 01°24'40" West, along the West line of said Parcel 'D', a distance of 6.29 feet; then, South 89°54'07" East, a distance of 50.02 feet to a point on the East line of said Parcel 'D', then continue South 89°54'07" East, a distance of 194.98 feet to a point on the South line of said SHELL ACRES, then South 88°20'24" West, along said South line, a distance of 204.93 feet to the Point of Beginning.

All of said lands situate, lying and being in Broward County, Florida.

TOGETHER WITH:

The South one-half (50%) of the Southeast 22nd Street, lying North of and adjacent to said SHELL ACRES, as vacated by Ordinance No. G-98-39 recorded in Official Records Book 28697, Page 583, public records of Broward County, Florida.

IDENTICAL LANDS DESCRIBED AS:

A portion of SHELL ACRES, according to the plat thereof recorded in Plat Book 63, Page 11, of the public records of Broward County, Florida and a portion of PARCEL 'D', EVERGLADES TERMINAL CO. SUB., according to the plat thereof recorded in Plat Book 68, Page 38, of the public records of Broward County, Florida, being more particularly described as follows:

BEGINNING at the Northwest corner of plot of SHELL ACRES as recorded on Plat Book 63, Page 11 of the public records of Broward County, Florida, run then North 88°36'42" East, along the North line of said SHELL ACRES, a distance of 634.00 feet to point of curvature of a curve concave to the Southwest, then 39.26 feet along the arc of said curve having a radius of 25.00 feet, a central angle of 89°58'04" and a chord of 35.35 feet which bears South 43°27'35" West to a point on the North right-of-way line of State Road No. 84 (S.E. 24th Street); then South 89°20'24" West along said North right-of-way line and the South line of said SHELL ACRES, a distance of 470.18 feet then North 89°54'07" West along the North right-of-way line of State Road No. 84 (S.E. 24th Street) as described in that Deed recorded in Official Records Book 18128, Page 319, of the public records of Broward County, Florida, a distance of 205.00 feet to a point on the West line of Parcel 'D', EVERGLADES TERMINAL CO. SUB. as recorded in Plat Book 68, Page 38, public records of Broward County, Florida; then North 01°24'40" West along the West line of Parcel 'D', a distance of 142.14 feet to the Northwest corner of said Parcel 'D'; then North 89°20'24" East along the North line of said Parcel 'D', a distance of 50.00 feet to the Northeast corner of said Parcel 'D'; then North 01°24'40" West along the West line of said SHELL ACRES, a distance of 192.73 feet; then South 88°37'05" West, a distance of 82.45 feet; then North 13°00'01" East, a distance of 295.20 feet to the POINT OF BEGINNING.

TOGETHER WITH:

The South one-half (50%) of Southeast 22nd Street, lying North of and adjacent to said SHELL ACRES.

Said lands situate, lying and being in the City of Fort Lauderdale, Broward County, Florida, and containing 442,927 square feet or 10.1682 acres more or less.

ALTA/ACSM CERTIFICATION

Certified to:
Lawyers Title Insurance Company and to Marathon Ashland Petroleum LLC.

This is to certify that this map or plat and the survey on which it is based as surveyed on April 14th, 2005, was made in accordance with the "Minimum Standard detail" requirements for ALTA/ACSM Land Title Surveys jointly established and adopted by the American Land Title Association (ALTA), the American Congress of Surveying and Mapping (ACSM) and the National Society of Professional Surveyors (NSPS) in 1999, and includes items 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 15 and 16 of Table "A" thereof, pursuant to the accuracy standards as adopted by ALTA, NSPS, and ACSM and in effect on the date of this certification. The undersigned further certifies that the positional uncertainties resulting from the survey measurements made on the survey do not exceed the allowable maximum technical standards as set forth by the Florida Board of Professional Surveyors and Mappers in Chapter 61G17-6, Florida Administrative Code, pursuant to Section 472.027, Florida statutes.

DATED: April 14th 2005

CERTIFICATION

We hereby certify that this survey meets the minimum technical standards as set forth by the Florida Board of Professional Land Surveyors in Chapter 61G17-6 Florida Administrative Code, pursuant to Section 472.027, Florida Statutes.

Dated at Fort Lauderdale, Florida, this 14th day of April, 2005.
General revisions added this 4th day of May, 2005.

McLAUGHLIN ENGINEERING COMPANY

THOMAS A. McLAUGHLIN
Registered Land Surveyor No. 5269
State of Florida

N- 44 (05)

Swietenia mahagoni
West Indian Mahogany

CLOSE X

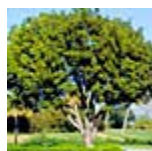


Photo Credits

Optimal Light:



Light Range:



Soil Moisture:



Wildlife:



Native: Yes

Drought Tolerance: High

Perennial: N/A

Invasive Status: N/A

Comments:

medium-high wind resistance;
tolerates occasionally wet soil; watch
for webworms on foliage

Growth Rate: Fast

Mature Height: 40 - 75 ft.

Mature Spread: 40 - 60 ft.

Soil Texture: Any

Soil pH: Any

Salt Tolerance: High

Hardiness Zone: 10b-11



? HELP

+ PRINT

Persea borbonia

Red Bay

Other names: Bay Oak

CLOSE X

Photo Credits

Optimal Light:



Light Range:



Soil Moisture:



Wildlife:



Native:

Yes

Drought Tolerance: High

Perennial:

N/A

Invasive Status:

N/A

Comments:

only for northern part of southern region; larval food plant for swallowtail butterflies; generally pest-free but insect galls can distort leaves; medium-low wind resistance

Growth Rate: Medium

Mature Height: 30 - 50 ft.

Mature Spread: 30 - 50 ft.

Soil Texture: Any

Soil pH: Acidic, Slightly acidic, Slightly alkaline

Salt Tolerance: High

Hardiness Zone: 8b-11



? HELP

+ PRINT