

VEGETATION MAP

FLUCCS	Description	Acreage
321	Palmetto Prairies	28.8 ac.
411	Pine Flatwoods	20.9 ac.
411L	Logged Pine Flatwoods	150.6 ac.
411M1	Pine Flatwoods invaded by Melaleuca (10–25%)	19.5 ac.
411M2	Pine Flatwoods invaded by Melaleuca (26–50%)	1.0 ac.
411M3	Pine Flatwoods invaded by Melaleuca (51–75%)	2.3 ac.
411M4	Pine Flatwoods invaded by Melaleuca (76–90%)	0.5 ac.
414	Pine – Mesic Oak	13.0 ac.
414BP1	Pine – Mesic Oak invaded by Brazilian Pepper (10–25%)	1.0 ac.
414L	Logged Pine – Mesic Oak	1.3 ac.
414M1	Pine – Mesic Oak invaded by Melaleuca (10–25%)	1.1 ac.
428HBP1	Hydric Cabbage Palm invaded by Brazilian Pepper (10–25%)	16.1 ac.
428HBPM2	Hydric Cabbage Palm invaded by Brazilian Pepper and Melaleuca (26–50%)	2.3 ac.
618	Willow	36.2 ac.
619M	Hydric Melaleuca	15.9 ac.
625	Hydric Pine Flatwoods	9.8 ac.
625BP2	Hydric Pine Flatwoods invaded by Brazilian Pepper (26–50%)	0.5 ac.
625M1	Hydric Pine Flatwoods invaded by Melaleuca (10–25%)	18.1 ac.
625M2	Hydric Pine Flatwoods invaded by Melaleuca (26–50%)	19.3 ac.
625M3	Hydric Pine Flatwoods invaded by Melaleuca (51–75%)	12.9 ac.
643	Wet Prairies	2.1 ac.
643M1	Wet Prairies invaded by Melaleuca (10–25%)	10.1 ac.
643M3	Wet Prairies invaded by Melaleuca (51–75%)	0.5 ac.
740	Disturbed Land	8.3 ac.
814	Roads and Highways	3.5 ac.
835	Solid Waste Disposal	31.7 ac.
	Upland Subtotal	283.5 ac.
	Wetland Subtotal	143.8 ac.
	TOTAL	427.3 ac.

1. Vegetation mapping adapted from preliminary Kevin L Erwin Consulting Ecologist, Inc. (Drawing name SLD2106veg) and based on photointerpretation of April 2001 1"=300' scale rectified color aerial photography in 2003.
2. Portions of wetland line survey located by Robert South.
3. Season High Water estimate based on surveyed elevations of biological indicators.
4. Seasonal high water elevations estimated based on biological indicators and survey located by Robert South

Jurisdictional Wetlands (151.4 ac.)

WET-2 Wetland number

SHW Seasonal high water elevations

300 150 0 300
SCALE FEET

RECEIVED
JAN 30 2004
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EXHIBIT A.2

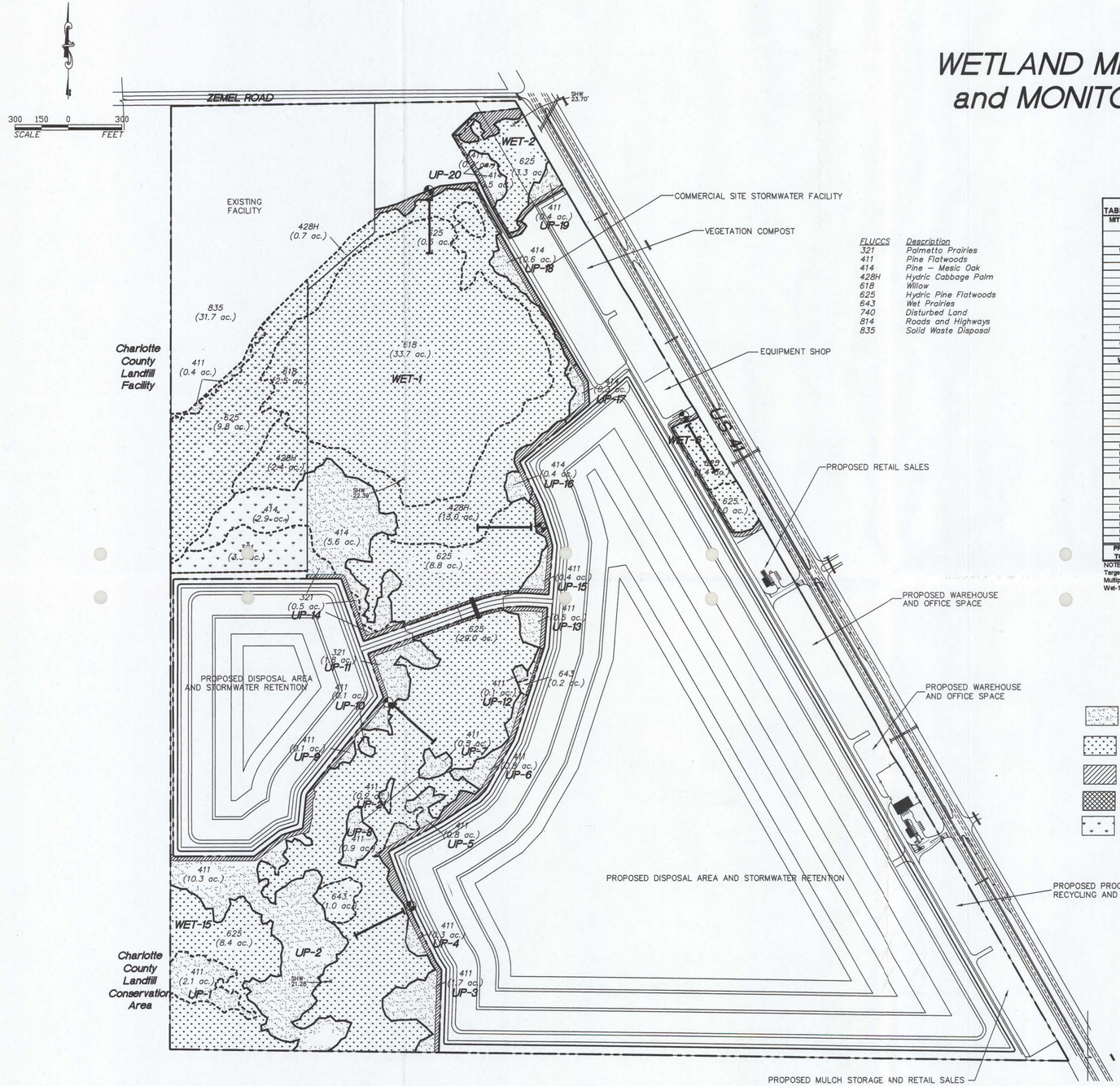
January 28, 2004 10:38:52 A.M.
Drawing: SLD2106veg

W. DEXTER BENDER & ASSOCIATES
ENVIRONMENTAL & MARINE CONSULTING
FORT MYERS, FLORIDA 239/334-3680

ZEMEL ROAD CONSTRUCTION AND DEMOLITION DEBRIS DISPOSED AND RECYCLING FACILITY

SHEET

WETLAND MITIGATION and MONITORING PLAN



FLUCCS	Description
321	Palmetto Prairies
411	Pine Flatwoods
414	Pine – Mesic Oak
428H	Hydric Cabbage Palm
618	Willow
625	Hydric Pine Flatwoods
643	Wet Prairies
740	Disturbed Land
814	Roads and Highways
835	Solid Waste Disposal

TABLE TWO: PROJECT ON-SITE MITIGATION SUMMARY

MITIGATION ID	WETLAND TYPE	CREATION		RESTORATION		ENHANCEMENT		WETLAND PRESERVE		UPLAND PRESERVE	
		AREA	TARGET TYPE	AREA	TARGET TYPE	AREA	TARGET TYPE	AREA	TARGET TYPE	AREA	TARGET TYPE
Wet-1	428HBP1					12.9	428H				
	618					33.7	618				
	619M					5.3	625				
	625BP2					9.5	625				
	625M1					7.4	625				
	625M2					14.0	625				
	625M3					10.4	625				
	643					0.3	643				
	643M1					0.3	643				
	643M3					0.5	643				
Wet-2	625M1					9.8	625				
	625M2					2.5	625				
Wet-6	619M					1.4	625				
	625M3					1.0	625				
Wet-15	619M					0.3	625				
	625M1					9.1	625				
Up-1	411M1									2.1	411
Up-2	411, 411M1									10.3	411
Up-3	411L									1.7	411
Up-4	411L									0.3	411
Up-5	411L									0.8	411
Up-6	411L									0.8	411
Up-7	411									0.5	411
Up-8	411M1									0.9	411
Up-9	411M1									0.1	411
Up-10	411M2									0.1	411
Up-11	321									1.8	321
Up-12	411L									0.1	411
Up-13	411L									0.5	411
Up-14	321, 414, 414M1									6.1	321, 414
Up-15	414, 414M1									0.4	411
Up-16	414L									0.4	414
Up-17	414L									0.3	414
Up-18	414BP1									0.6	414
Up-19	411									0.4	411
Up-20	411L, 414									0.7	411, 414
Up-21	411L									0.2	411
PROJECT TOTALS:						99.6				27	

NOTE:
Target Type or Type=target or existing habitat type from an established wetland classification system or land use classification for non-wetland mitigation.
Multiple entries per cell not allowed.
Wet-1 and Up-15 does not include the 22.0± acres of wetlands and uplands in the existing Conservation Easement.

- Preserved Uplands (29.1 ac.)
- Enhanced Wetlands (99.6 ac.)
- Upland Buffer (7.1 ac.)
- Structural Buffer (1.2 ac.)
- Existing Conservation Easement Area (22.0 ac.)
  * Acreage in existing conservation easement not included in mitigation summary.

WET-2 Wetland number
UP-13 Upland number
SHW Seasonal high water elevations
Photo Station
Vegetation monitoring transect

1. Preliminary mapping by Kevin L Erwin Consulting Ecologist, Inc. (Drawing name SLD2106veg) and based on photointerpretation of April 2001 1"=300' scale rectified color aerial photography in 2003.
2. Portions of wetland line survey located by Robert South.
3. Seasonal high water elevations estimated based on biological indicators and survey located by Robert South
4. Mechanical removal of exotics may occur within portions of the mitigation area.

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JAN 30 2004
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EXHIBIT B.4
SHEET

ZEMEL ROAD CONSTRUCTION AND DEMOLITION DEBRIS DISPOSED AND RECYCLING FACILITY

W. DEXTER BENDER & ASSOCIATES
ENVIRONMENTAL & MARINE CONSULTING
FORT MYERS, FLORIDA 239/334-3660

January 29, 2004 11:32:51 a.m.
Drawing: EXHIBIT.dwg (BCS)

WETLAND IMPACT MAP

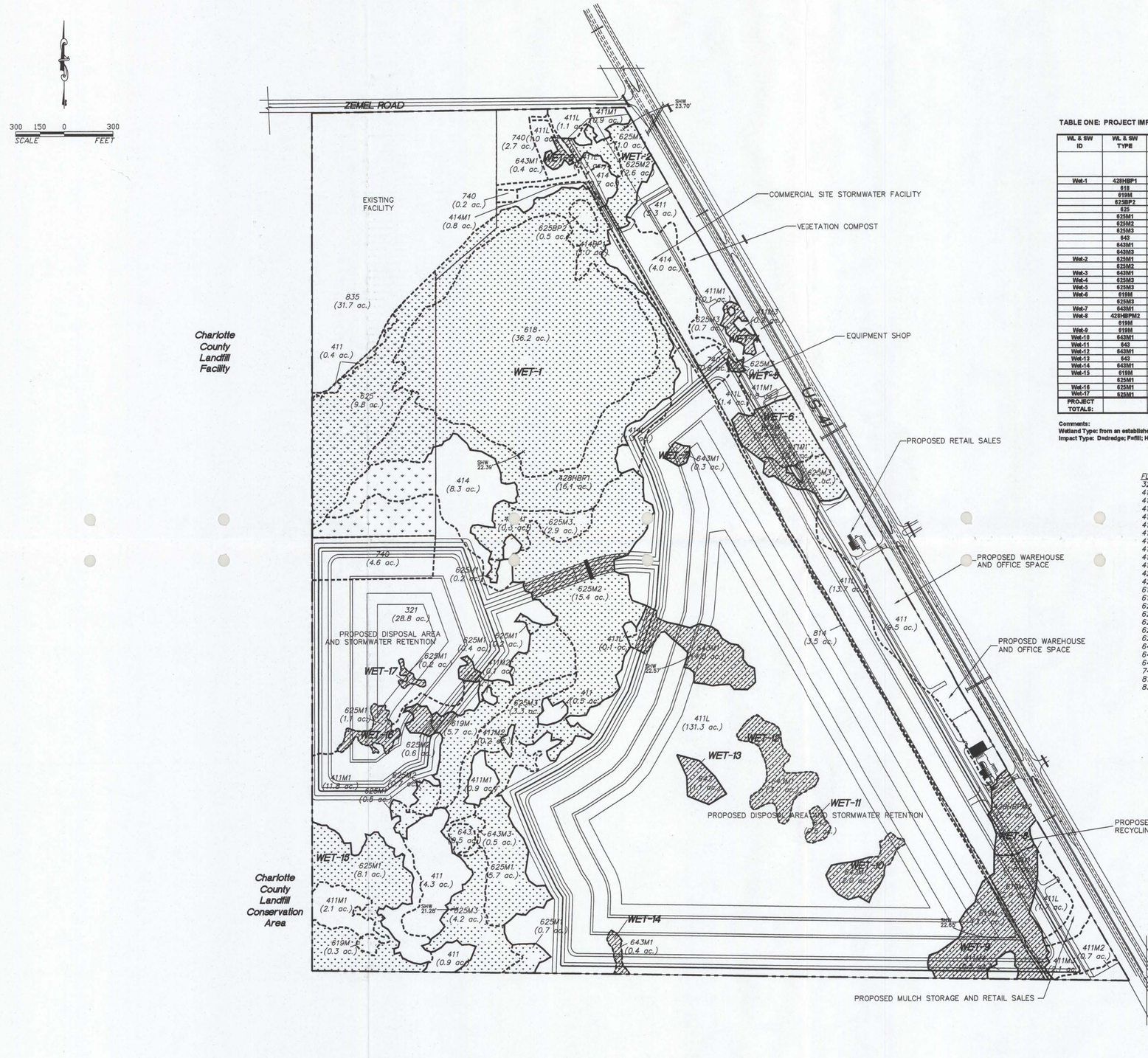


TABLE ONE: PROJECT IMPACT SUMMARY

WL & SW ID	WL & SW TYPE	WL & SW SIZE	WL & SW NOT IMPACTED	TEMPORARY WL & SW IMPACTS			PERMANENT WL & SW IMPACTS			MITIGATION AREA ID
				WL & SW TYPE	IMPACT SIZE	IMPACT TYPE	WL & SW TYPE	IMPACT SIZE	IMPACT TYPE	
Wet-1	428HBP1	16.1	16.0				428HBP1	0.1		
	618	36.2	36.2					0.0		
	619M	5.7	5.3				619M	0.4	F	
	625BP2	0.5	0.5					0.0		
	625	9.8	9.8					0.0		
	625M1	7.7	7.4				625M1	0.3	F	
	625M2	16.7	14.0				625M2	2.7	F	
	625M3	10.4	10.4					0.0		
	643	0.5	0.5					0.0		
	643M1	4.0	0.3				643M1	3.7	F	
	643M3	0.5	0.5					0.0		
Wet-2	625M1	1.0	0.8				625M1	0.2	F	
	625M2	2.6	2.5				625M2	0.1	F	
Wet-3	643M1	0.4	0.0				643M1	0.4	F	
Wet-4	625M3	0.7	0.0				625M3	0.7	F	
Wet-5	625M3	0.1	0.0				625M3	0.1	F	
Wet-6	619M	3.4	1.4				619M	2.0	F	
	625M3	1.7	1.0				625M3	0.7	F	
Wet-7	643M1	0.3	0.0				643M1	0.3	F	
Wet-8	428HBPM2	2.3	0.0				428HBPM2	2.3	F	
	619M	2.9	0.0				619M	2.9	F	
Wet-9	619M	3.6	0.0				619M	3.6	F	
Wet-10	643M1	2.0	0.0				643M1	2.0	F	
Wet-11	643	5.5	0.0				643	5.5	F	
Wet-12	643M1	3.0	0.0				643M1	3.0	F	
Wet-13	643	1.1	0.0				643	1.1	F	
Wet-14	643M1	0.4	0.0				643M1	0.4	F	
Wet-15	619M	0.3	0.3					0.0		
	625M1	8.1	8.1					0.0		
Wet-16	625M1	1.1	0.0				625M1	1.1	F	
Wet-17	625M1	0.2	0.0				625M1	0.2	F	
PROJECT TOTALS:		143.8	115.0		0.0			28.8		

Comments:
Wetland Type: from an established wetland classification system
Impact Type: Dredredge; Fefill; Hechange hydrology; Sshading; Cclearing; Oother

FLUCCS	Description	Acreage
321	Palmetto Prairies	28.8 ac.
411	Pine Flatwoods	20.9 ac.
411L	Logged Pine Flatwoods	150.6 ac.
411M1	Pine Flatwoods invaded by Melaleuca (10–25%)	19.5 ac.
411M2	Pine Flatwoods invaded by Melaleuca (26–50%)	1.0 ac.
411M3	Pine Flatwoods invaded by Melaleuca (51–75%)	2.3 ac.
411M4	Pine Flatwoods invaded by Melaleuca (76–90%)	0.5 ac.
414	Pine – Mesic Oak	13.0 ac.
414BP1	Pine – Mesic Oak invaded by Brazilian Pepper (10–25%)	1.0 ac.
414L	Logged Pine – Mesic Oak	1.3 ac.
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643	Wet Prairies	2.1 ac.
643M1	Wet Prairies invaded by Melaleuca (10–25%)	10.1 ac.
643M3	Wet Prairies invaded by Melaleuca (51–75%)	0.5 ac.
740	Disturbed Land	8.3 ac.
814	Roads and Highways	3.5 ac.
835	Solid Waste Disposal	31.7 ac.
	Upland Subtotal	283.5 ac.
	Wetland Subtotal	143.8 ac.
	TOTAL	427.3 ac.

1. Preliminary mapping by Kevin L Erwin Consulting Ecologist, Inc. (Drawing name SLD2106veg) and based on photointerpretation of April 2001 1"=300' scale rectified color aerial photography in 2003.
2. Portions of wetland line survey located by Robert South.
3. Seasonal high water elevations estimated based on biological indicators and survey located by Robert South

Wetland Fill (28.8 ac.)

Enhanced Wetlands (115.0 ac.)

Existing Conservation Easement Area (22.0 ac.)

WET-2 Wetland number

SHW Seasonal high water elevations

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JAN 30 2004
D.E.P. - South District

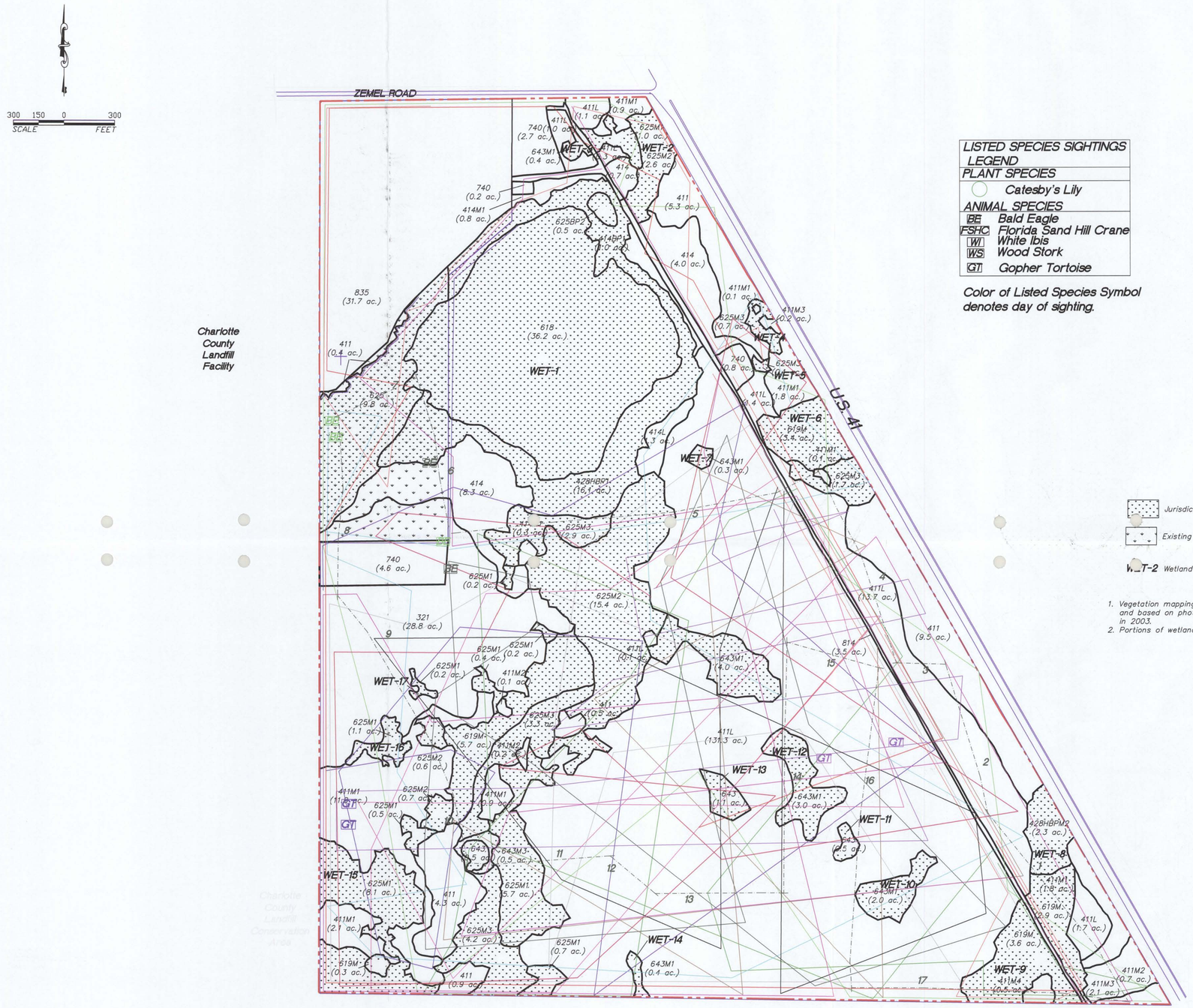
EXHIBIT C. 7

SHEET

ZEMEL ROAD CONSTRUCTION AND DEMOLITION DEBRIS DISPOSED AND RECYCLING FACILITY

W. DEXTER BENDER & ASSOCIATES
ENVIRONMENTAL & MARINE CONSULTING
FORT MYERS, FLORIDA 239/334-3680

January 28, 2004 11:46:06 a.m.
Drawing: 3JZMaP.DWG (DCS)



LISTED SPECIES SIGHTINGS LEGEND	
PLANT SPECIES	
	Catesby's Lily
ANIMAL SPECIES	
BE	Bald Eagle
FSHC	Florida Sand Hill Crane
WI	White Ibis
WS	Wood Stork
GT	Gopher Tortoise

Color of Listed Species Symbol denotes day of sighting.

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	TOTAL	427.3 ac.

Jurisdictional Wetlands (143.8 ac.)

Existing Conservation Easement Area (22.0 ac.)

WET-2 Wetland number

1. Vegetation mapping adapted from preliminary Kevin L Erwin Consulting Ecologist, Inc. (Drawing name SLD2106veg) and based on photointerpretation of April 2001 1"=300' scale rectified color aerial photography in 2003.
2. Portions of wetland line survey located by Robert South.

TRANSECT LEGEND (W. DEXTER BENDER + ASSOCIATES)	
Date	Date
5-19-03	5-26-03
5-20-03	5-27-03
5-21-03	5-28-03
5-22-03	5-29-03
5-23-03	5-30-03
5-24-03	6-3-03
5-25-03	6-4-03

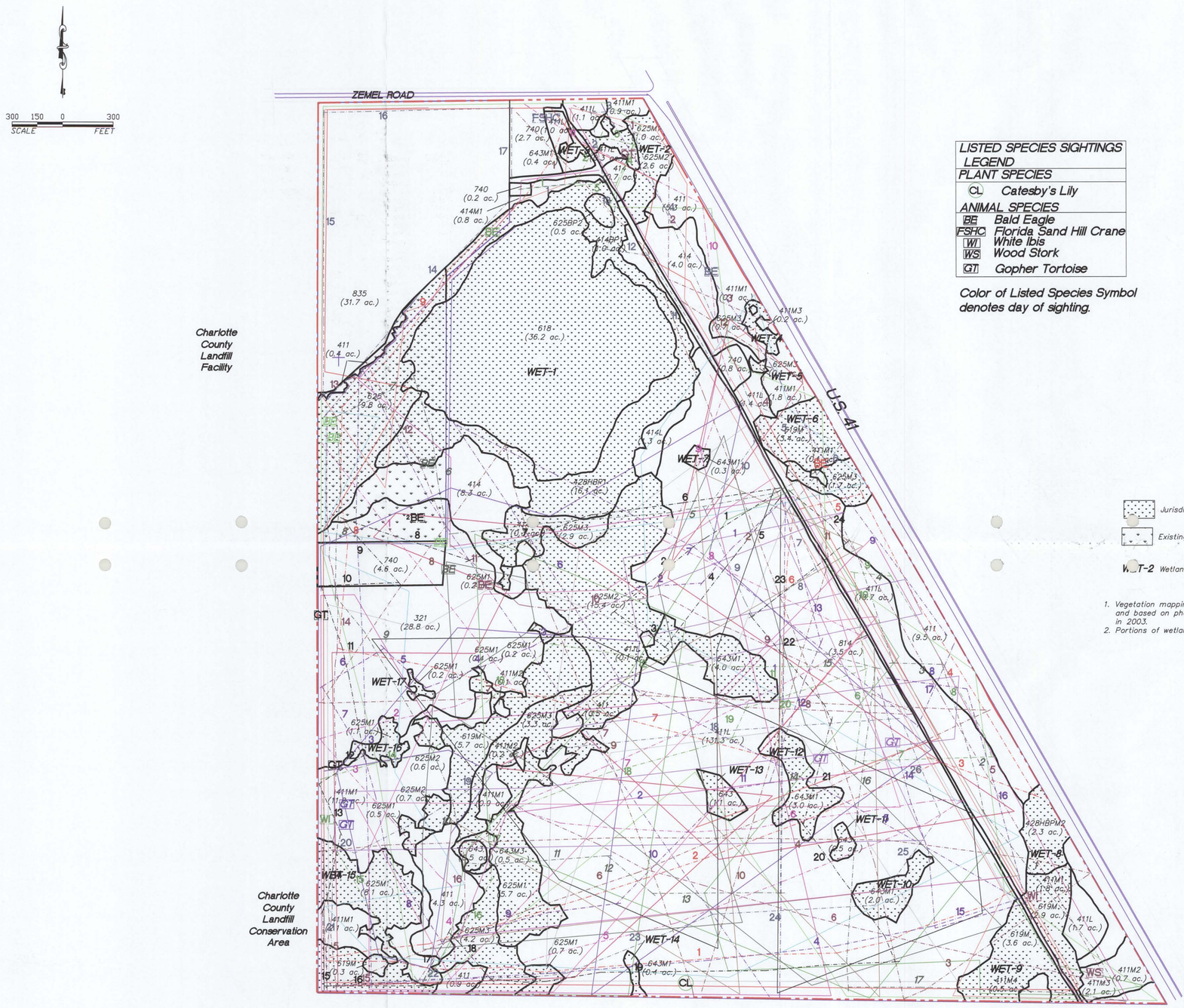
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JAN 30 2004
D.E.P. - South District

W. DEXTER BENDER & ASSOCIATES
ENVIRONMENTAL & MARINE CONSULTING
PORT MYERS, FLORIDA 239/334-3680

EXHIBIT "B": CUMULATIVE RCW SURVEY TRANSECT LOCATIONS

SHEET

January 28, 2004 12:36:41 (pm)
Drawing: S:\WDB\Charlotte\Exhibit B.dwg



300 150 0 300
SCALE FEET

LISTED SPECIES SIGHTINGS LEGEND	
PLANT SPECIES	
CL	Catesby's Lily
ANIMAL SPECIES	
BE	Bald Eagle
FSHC	Florida Sand Hill Crane
WI	White Ibis
WS	Wood Stork
GT	Gopher Tortoise

Color of Listed Species Symbol denotes day of sighting.

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1. Vegetation mapping adapted from preliminary Kevin L Erwin Consulting Ecologist, Inc. (Drawing name SLD2106veg) and based on photointerpretation of April 2001 1"=300' scale rectified color aerial photography in 2003.
2. Portions of wetland line survey located by Robert South.

TRANSECT LEGEND (KEVIN L. ERWIN CONSULTING ECOLOGIST, INC.)			
Direction + Sequence	Date	Direction + Sequence	Date
5	12-09-02	5	12-16-02
5	12-10-02	5	12-17-02
5	12-11-02	5	12-18-02
5	12-12-02	5	12-19-02
5	12-13-02	5	12-20-02

TRANSECT LEGEND (W. DEXTER BENDER + ASSOCIATES)	
Date	Date
5-19-03	5-26-03
5-20-03	5-27-03
5-21-03	5-28-03
5-22-03	5-29-03
5-23-03	5-30-03
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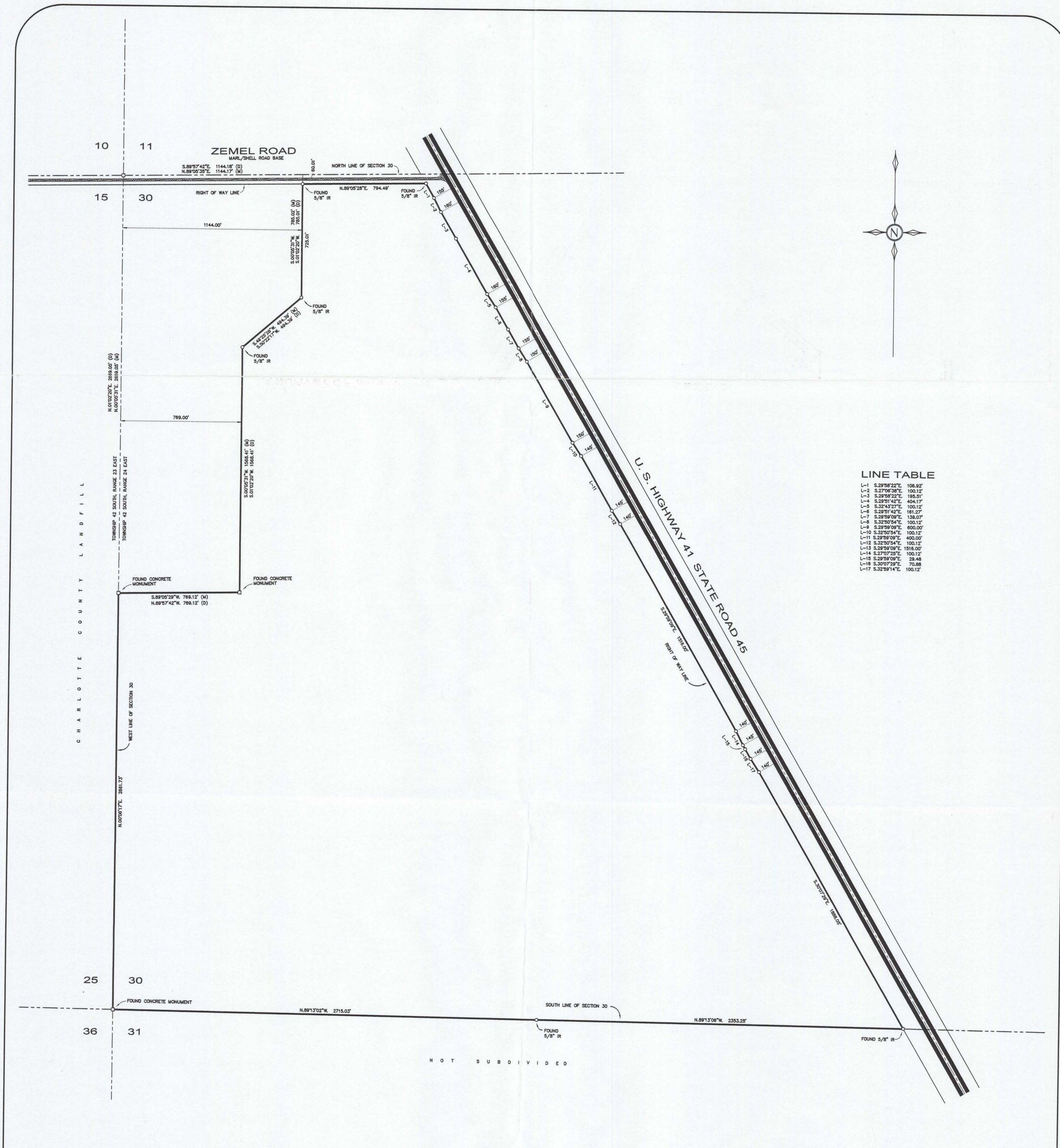
RECEIVED
JAN 30 2004
D.E.P. - South District

January 28, 2004 12:36:41 p.m.
Drawing: SLD2106EXHIBITC.dwg (bkt)

W. DEXTER BENDER & ASSOCIATES
ENVIRONMENTAL & MARINE CONSULTING
FORT MYERS, FLORIDA 239/334-3600

EXHIBIT "C". COMBINED 2002 NON-NESTING SEASON AND 2003 NESTING SEASON RCW SURVEY TRANSECT LOCATIONS

SHEET



LINE TABLE

L-1	S.29°58'22"E.	106.92'
L-2	S.27°06'38"E.	100.12'
L-3	S.29°58'22"E.	195.51'
L-4	S.29°51'42"E.	404.17'
L-5	S.32°43'27"E.	100.12'
L-6	S.29°51'42"E.	161.27'
L-7	S.29°59'09"E.	139.07'
L-8	S.32°50'54"E.	100.12'
L-9	S.29°59'09"E.	600.00'
L-10	S.32°50'54"E.	100.12'
L-11	S.29°59'09"E.	400.00'
L-12	S.32°50'54"E.	100.12'
L-13	S.29°59'09"E.	1516.00'
L-14	S.27°07'25"E.	100.12'
L-15	S.29°59'09"E.	29.48
L-16	S.30°07'29"E.	70.88
L-17	S.32°59'14"E.	100.12'

A SURVEY OF (FROM TITLE POLICY EXHIBIT "A")

That portion of Section 30, Township 42 South, Range 24 East, Charlotte County, Florida, lying westerly of the Tamiami Trail (S. R. 45, U.S. Hwy. 41) and southerly of Zemel Road, LESS AND EXCEPT the following described parcel:

That portion of Section 30, Township 42 South, Range 24 East, Charlotte County, Florida and said portion being more particularly described as follows:

Beginning at the Northwest corner of the said Section 30, Township 42 South, Range 24 East, Charlotte County, Florida; thence S 89°57'42" E along the Northerly line of the said Section 30, Township 42 South, Range 24 East, a distance of 1144.18 feet to a point from which the North ¼ (one-quarter) corner of the said Section 30, bears S 89°57'42" E, 1584.88 feet distance therefrom; thence S 01°02'20" W, parallel to and 1144.00 feet Easterly of the Westerly line of the said Section 30, a distance of 785.01 feet; thence S 50°22'17" W, a distance of 494.39 feet to a point; thence S 01°02'20" W, parallel to and 769.00 feet Easterly of the said Westerly line of Section 30. a distance of 1568.41 feet to point; thence N 89°57'42" W, parallel to and 2669.05 feet Southerly of the Northerly line of the said Section 30, a distance of 769.12 feet to the West ¼ (one-quarter) corner of the said Section 30; thence N 01° 02'20" E, along the Westerly line of the Northwest ¼ (one-quater) of the said Section 30, a distance of 2669.05 feet to the "Point of Beginning". LESS the Northerly 60.00 feet thereof for roadway purposes (Zemel Road Right of Way).

SURVEYORS' NOTES

1. THIS IS A RETRACEMENT BOUNDARY SURVEY FOR THE PURPOSE OF VERIFYING THE DIRECTION AND LENGTH OF LINES, AND IDENTIFYING THE MONUMENTS AND OTHER MARKS OF A ESTABLISHED PRIOR SURVEY MADE BY C&P ENTERPRISE, INC., CERTIFIED BY MICHAEL R. CULPEPPER, SURVEYOR 4705, DATED 4/15/01, AS FURNISHED BY CLIENT.
2. BEARINGS BASED ON ASSUMING N.89°13'02" ALONG THE SOUTH LINE OF THE SW 1/4 OF SECTION 30.
3. SURVEY BASED ON TITLE POLICY NUMBER 7210809-41562 BY CHICAGO TITLE INSURANCE CO. DATED 6/1/01.
4. UNLESS IT BEARS THE SIGNATURE AND ORIGINAL RAISED SEAL OF THIS FLORIDA LICENSED SURVEYOR & MAPPER, THIS MAP IS FOR INFORMATIONAL PURPOSED ONLY AND NOT VALID.
5. MEASUREMENTS ARE IN FEET, ON A HORIZONTAL PLANE AND PER U.S. STANDARDS.
6. PROPERTY CONTAINS 16,270,831 SQUARE FEET OR 373.5 ACRES.
7. 5/8" IRON RODS WERE SET ALONG US 41 RIGHT OF WAY.
8. STORM DRAIN SYSTEM, POWER LINES, UNDERGROUND UTILITIES, ROAD TRAILS AND FENCES WERE NOT LOCATED.

LEGEND

FND = FOUND
R/W = RIGHT OF WAY
IR = IRON ROD
CM = CONCRETE MONUMENT

FLOOD DATA

COMMUNITY NUMBER 120061
PANEL 0475, SUFFIX F
DATED MAY 5, 2003
FLOOD ZONE "D"
OUTSIDE FLOOD PLAIN

CERTIFIED TO

ATTORNEYS' TITLE INSURANCE FUND, INC.
MOORE & WAKSLER, P.L.
SOUTHWEST LAND DEVELOPERS, INC.
AMBROS F. WEHRLI
FARM CREDIT OF SOUTH FLORIDA, ACA
FARR, FARR, EMERICH, SIFRIT, HACKETT & CARR, P.A.

COUNTY DATA

PARCEL 0073830-000000-3
MAP NUMBER 6C/30S
CURRENT USE AGRICULTURAL
ZONING CODE "PD"
SHORT LEGAL ZZZ 304224 P2

RECEIVED
JAN 30 2004
D.E.P. - South District

SCALE 1"=300'

BY ROBERT ORREN SOUTH, LAND SURVEYOR 2668
5500 SABAL PALM LANE, PUNTA GORDA, FL
VOICE 941-639-4123 FAX 941-575-8761

RETRACTMENT BOUNDARY SURVEY DECEMBER 1, 2003

BOUNDARY SURVEY

SECTION 30, TOWNSHIP 42 SOUTH, RANGE 24 EAST
CHARLOTTE COUNTY, FLORIDA

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles, Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' National Geodetic Vertical Datum of 1929 (NGVD 29). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations tables should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures.** Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures in this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) zone 17. The **horizontal datum** was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the National Geodetic Vertical Datum of 1929. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

Spatial Reference System Division
National Geodetic Survey, NOAA
Silver Spring Metro Center
1315 East-West Highway
Silver Spring, Maryland 20910
(301) 713-3191

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242**, or visit their website at www.ngs.noaa.gov.

Base map information shown on this FIRM was provided in digital format by the Charlotte County Geographic Information Systems. This information was compiled using coordinate geometry (COGO) at a scale of 1:2,400 from parcel maps. Section corners and quarter section corners were verified using Global Positioning Systems.

This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

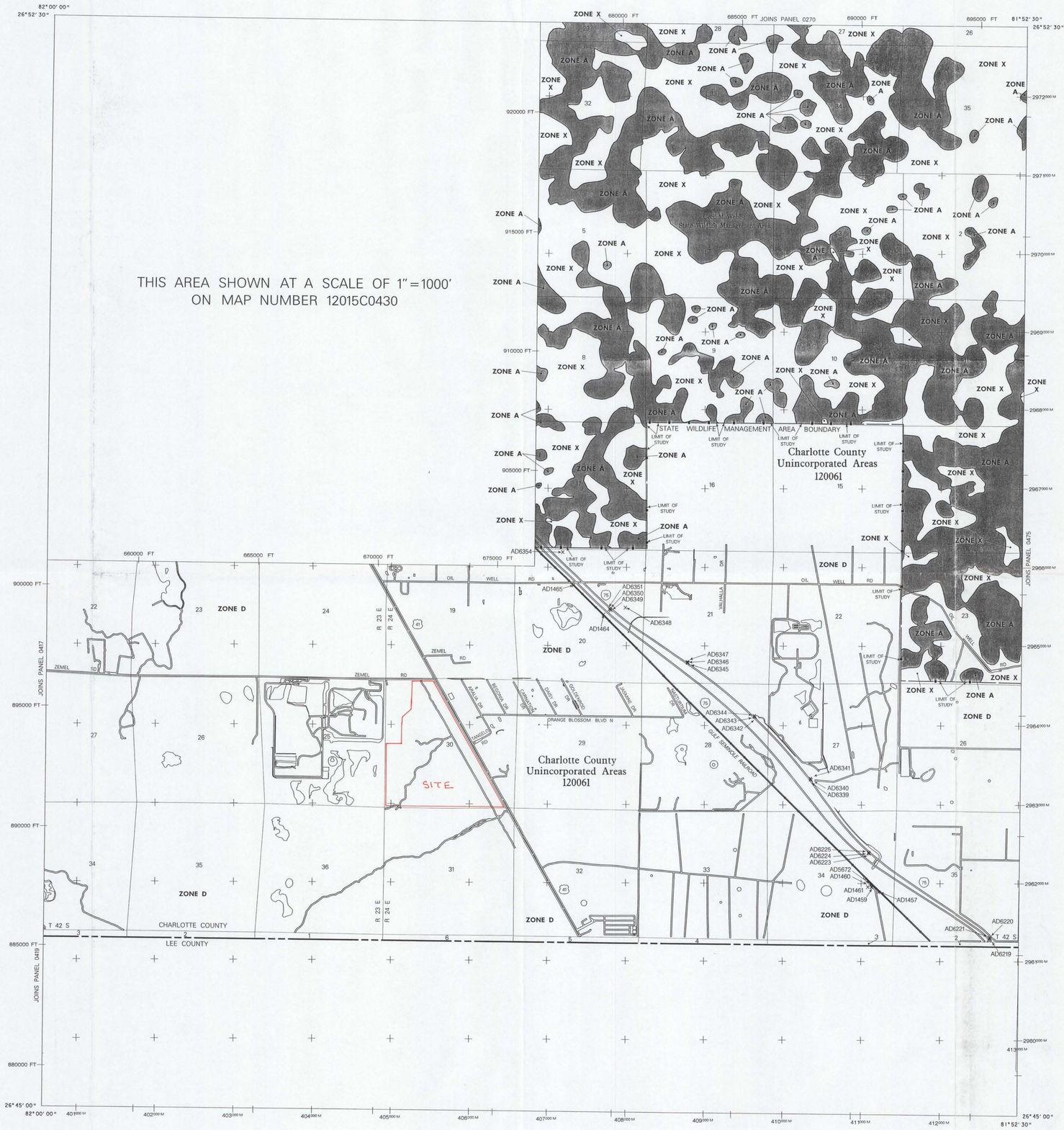
Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and their website at www.fema.gov/msc.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) or visit the FEMA website at www.fema.gov.

THIS AREA SHOWN AT A SCALE OF 1"=1000'
ON MAP NUMBER 12015C0430



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X	Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X	Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D	Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

	Floodplain boundary
	Floodway boundary
	Zone D boundary
	CBRS and OPA boundary
	Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
513	Base Flood Elevation line and value; elevation in feet*
(EL. 987)	Base Flood Elevation value where uniform within zone; elevation in feet*

*Referenced to the National Geodetic Vertical Datum of 1929

A — A	Cross section line
23 — 23	Transect line
97°07'30", 32°22'30"	Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)
4276000 M	1000-meter Universal Transverse Mercator grid values, zone 17
600000 FT	5000-foot grid ticks: Florida State Plane coordinate system, west zone (FIPSZONE 902), Transverse Mercator projection
DX5510 X	Bench mark (see explanation in Notes to Users section of this FIRM panel)
M1.5	River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP
MAY 5, 2003

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 2000'
1000 0 2000 4000 FEET
600 0 600 1200 METERS

NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0450 F

FIRM
FLOOD INSURANCE RATE MAP
CHARLOTTE COUNTY, FLORIDA
AND INCORPORATED AREAS

PANEL 450 OF 525
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
CHARLOTTE COUNTY	120061	0450	F

RECEIVED
JAN 30 2004
D.E.P. - South District

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
12015C0450F
EFFECTIVE DATE
MAY 5, 2003

Federal Emergency Management Agency