Sweatt-Whidden 230-kV Transmission Project, TA22-19

Segment 3: Waterway - Dorr Field
Post-certification Filing

FPL®

August 2023

ECT No. 210863-0800

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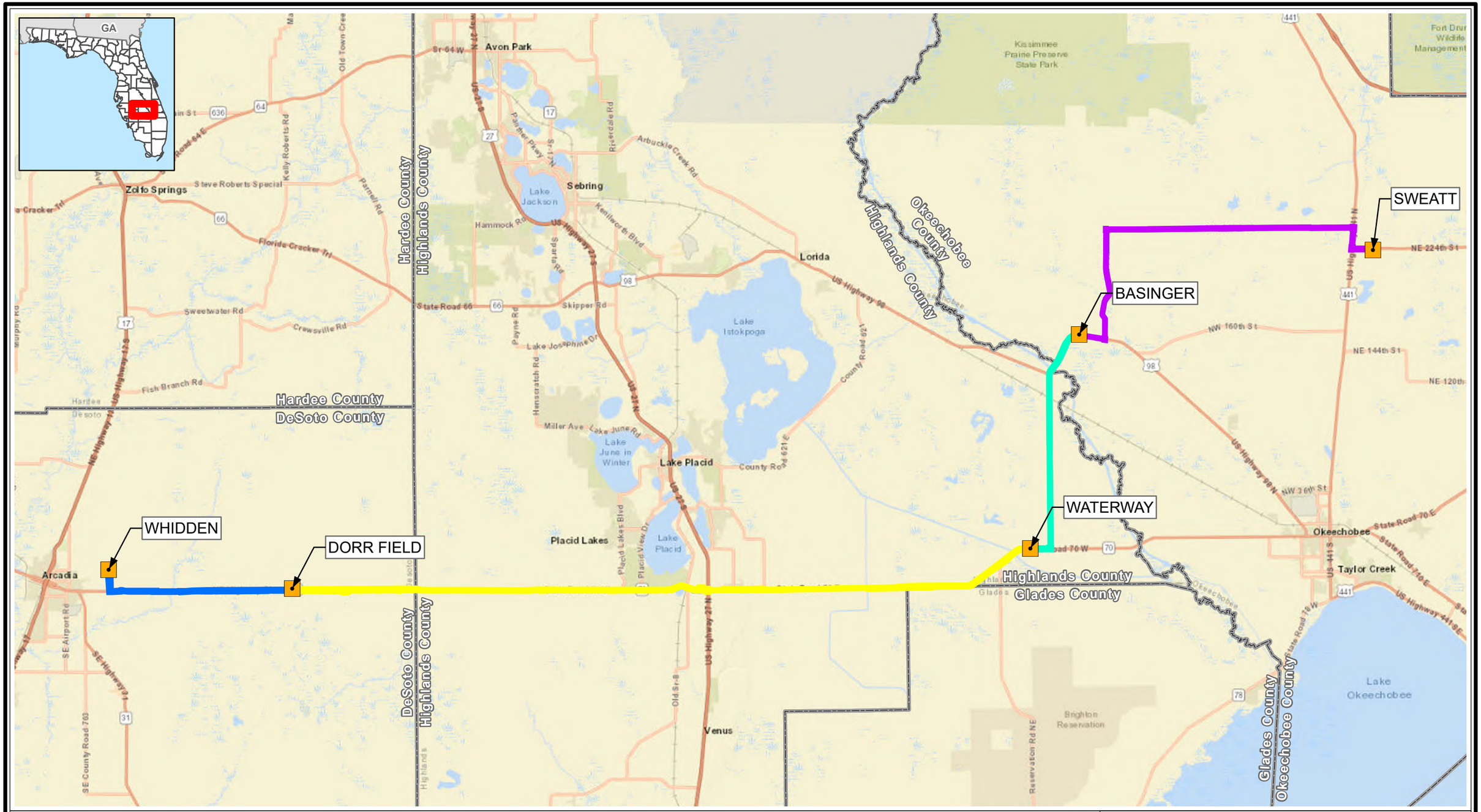
Attachment 1/1A Location Map (overall, depicting project phases)



Legend

- Existing Substation
- Segment 1: Sweatt-Basinger
- Segment 2: Basinger-Waterway
- Segment 3: Waterway-Dorr Field
- Segment 4: Dorr Field-Whidden

N

0 2 4

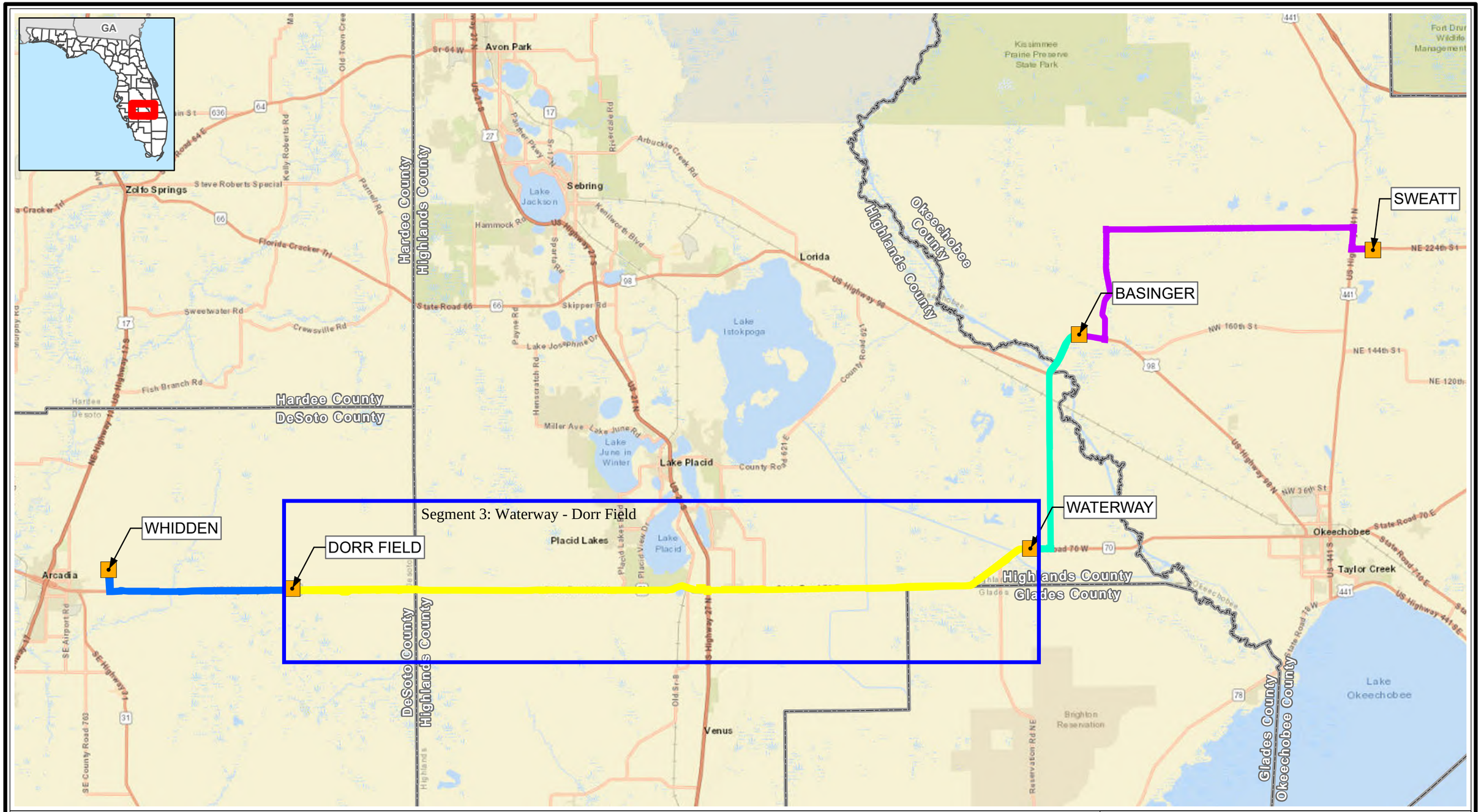
Miles

Sources: ESRI World Street map; ECT, 2023.

Attachment 1
Segment 3: Waterway - Dorr Field
Location Map

Sweatt-Whidden Transmission Line
Desoto/Glades/Highlands/Okeechobee Counties, Florida

ECT



Legend

- Existing Substation
- Segment 1: Sweatt-Basinger
- Segment 2: Basinger-Waterway
- Segment 3: Waterway-Dorr Field
- Segment 4: Dorr Field-Whidden

N

0 2 4

Miles

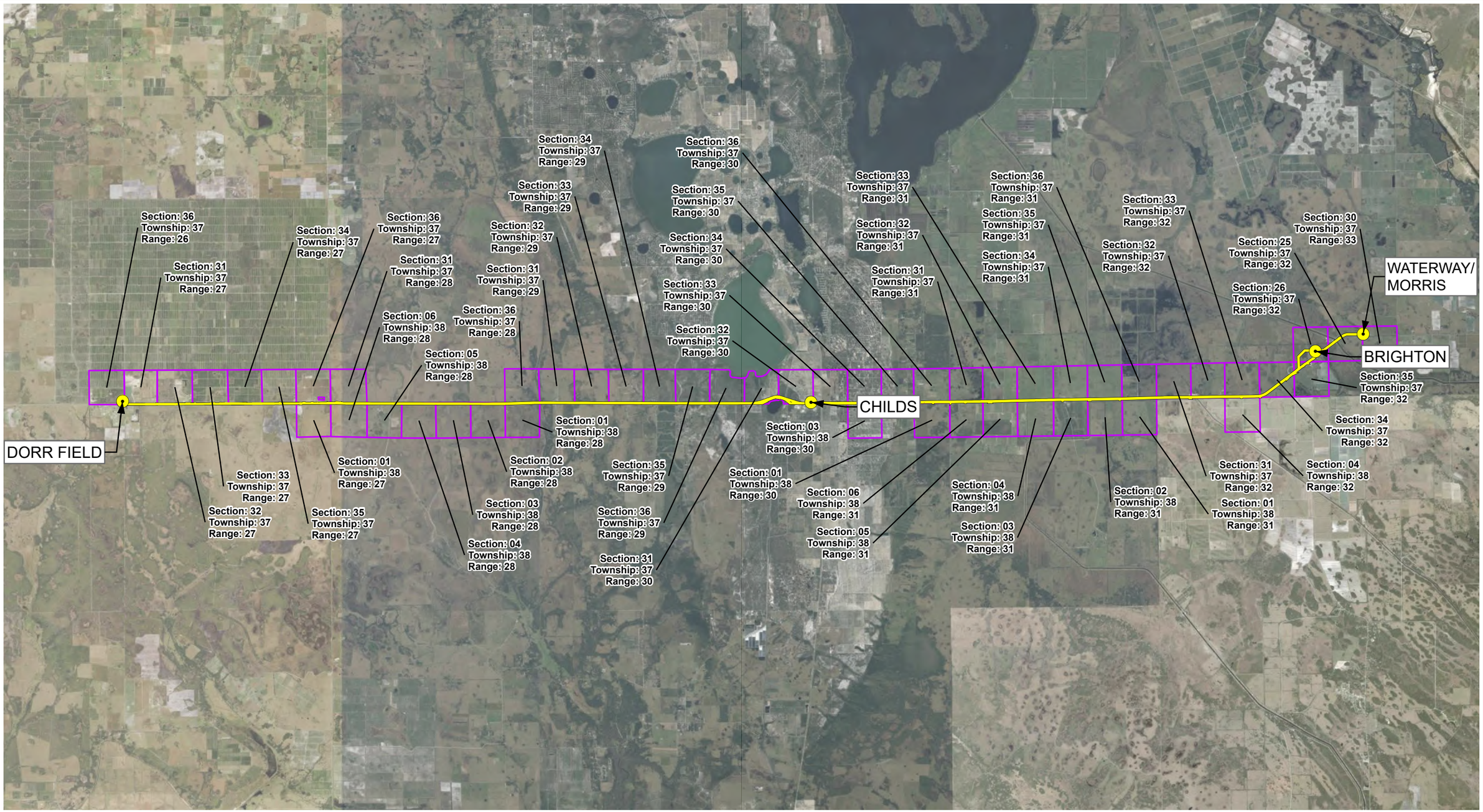
Sources: ESRI World Street map; ECT, 2023.

Attachment 1A
Segment 3: Waterway - Dorr Field
Location Map

Sweatt-Whidden Transmission Line
Desoto/Glades/Highlands/Okeechobee Counties, Florida

ECT

Attachment 2 Section, Township, Range Map



Legend

- Substation
- Section/Township/Range Boundary
- Waterway-Dorr Field Project Footprint

N

0 2 4

Miles

Sources: USGS 2023; ECT, 2023.

Attachment 2
Segment 3: Waterway - Dorr Field
Section, Township, Range Map

Okeechobee County, Florida

ECT

Attachment 3 Section, Township, Range List

Attachment 3: Waterway - Dorr Field Section/Township/Range Table					
Section	**Township**	**Range**	**TD**	**RD**	**County**
36	37	26	S	E	DESOTO
31	37	27	S	E	DESOTO
32	37	27	S	E	DESOTO
33	37	27	S	E	DESOTO
34	37	27	S	E	DESOTO
35	37	27	S	E	DESOTO
36	37	27	S	E	DESOTO
31	37	28	S	E	HIGHLANDS
36	37	28	S	E	HIGHLANDS
31	37	29	S	E	HIGHLANDS
32	37	29	S	E	HIGHLANDS
33	37	29	S	E	HIGHLANDS
34	37	29	S	E	HIGHLANDS
35	37	29	S	E	HIGHLANDS
36	37	29	S	E	HIGHLANDS
31	37	30	S	E	HIGHLANDS
32	37	30	S	E	HIGHLANDS
33	37	30	S	E	HIGHLANDS
34	37	30	S	E	HIGHLANDS
35	37	30	S	E	HIGHLANDS
36	37	30	S	E	HIGHLANDS
31	37	31	S	E	HIGHLANDS
32	37	31	S	E	HIGHLANDS
33	37	31	S	E	HIGHLANDS
34	37	31	S	E	HIGHLANDS
35	37	31	S	E	HIGHLANDS
36	37	31	S	E	HIGHLANDS
25	37	32	S	E	HIGHLANDS
26	37	32	S	E	HIGHLANDS
31	37	32	S	E	HIGHLANDS
32	37	32	S	E	HIGHLANDS
33	37	32	S	E	HIGHLANDS
34	37	32	S	E	HIGHLANDS
35	37	32	S	E	HIGHLANDS
30	37	33	S	E	HIGHLANDS
01	38	27	S	E	DESOTO
01	38	28	S	E	HIGHLANDS
02	38	28	S	E	HIGHLANDS
03	38	28	S	E	HIGHLANDS
04	38	28	S	E	HIGHLANDS
05	38	28	S	E	HIGHLANDS
06	38	28	S	E	HIGHLANDS
01	38	30	S	E	HIGHLANDS
03	38	30	S	E	HIGHLANDS
01	38	31	S	E	HIGHLANDS
02	38	31	S	E	HIGHLANDS
03	38	31	S	E	HIGHLANDS
04	38	31	S	E	HIGHLANDS
05	38	31	S	E	HIGHLANDS
06	38	31	S	E	HIGHLANDS
04	38	32	S	E	GLADES

Attachment 4 Parcel Table

Attachment 4: Waterway - Dorr Field Parcel Table				
Parcel ID	**Owner Name**	**Physical Address**	**Zip Code**	**County Name**
313727000000200000	LLANO RANCHES LP	NE HWY 70	34266	DESOTO
313727000000300000	TIITF/DEPT OF CORRECTIONS	NE HWY 70	34266	DESOTO
323727000000200000	LLANO RANCHES LP	NE HWY 70	34266	DESOTO
333727000000300000	LLANO RANCHES LP	NE HWY 70	34266	DESOTO
343727000000300000	LLANO RANCHES LP	NE HWY 70	34266	DESOTO
353727000000300000	LLANO RANCHES LP	NE HWY 70	34266	DESOTO
363726000000100000	TIITF/DEPT OF CORRECTIONS	SE HWY 70	34266	DESOTO
363726000000120000	FLORIDA POWER & LIGHT CO	12942 NE HWY 70	34266	DESOTO
363727000000100000	LLANO RANCHES LP	NE HWY 70	34266	DESOTO
363727000000400000	HVC LAND INC	NE HWY 70	34266	DESOTO
A043832A0000300000	D O T/STATE OF FLORIDA		33852	GLADES
A063832A0000300000	D O T/STATE OF FLORIDA		33852	GLADES
C353730A0000920000	PALACIOS TEODULO GOMES + BONIF	1320 SR 70 E	33852	HIGHLANDS
C353730A0000800000	PRESCOTT NORMAN BRUCE +	20 HALL RD	33852	HIGHLANDS
C353730A0000700000	WINDLAND LARRY	1556 SR 70 E	33852	HIGHLANDS
C353730A0000600000	GRIFFIN TREES INC +	845 SR 70 W	33852	HIGHLANDS
C353730A0001600000	PINDAR ACQUSITIONS LLC	1470 SR 70 E	33852	HIGHLANDS
C35373001000300000	SAPP JESSE E	2071 CR 29	33852	HIGHLANDS
C35373002000100000	NIELANDER WILLIAM J + PAMELA A	500 BEAR RD	33852	HIGHLANDS
C35373002001300000	ZAHN WAYNE C + KRISTY L	415 BEAR LN	33852	HIGHLANDS
C353730A0000100000	PINDAR ACQUSITIONS LLC	1420 SR 70 E	33852	HIGHLANDS
C33373004000000950	ALPINE VILLAGE ROC INC	18 CENTER ST	33852	HIGHLANDS
C33373004000000010	ALPINE VILLAGE ROC INC	19 CENTER ST	33852	HIGHLANDS
C33373004000000040	ALPINE VILLAGE ROC INC	2 NORTH EDGE DR	33852	HIGHLANDS
C35373002001100000	TUROFF STEVEN A + MARIANNA SUS	501 BEAR RD	33852	HIGHLANDS
C22373060000100090	RAMIREZ JAIME M +	119 FLAGLER ST	33852	HIGHLANDS
C22373060000100080	LEAL HERRERA ANTONIO J	115 FLAGLER ST	33852	HIGHLANDS
C22373060000100070	BURGOS PASTOR + MARIA C	113 FLAGLER ST	33852	HIGHLANDS
C22373060000100040	DAVIDSON BLANE + SHARON A	109 FLAGLER ST	33852	HIGHLANDS
C22373060000100030	SHAMAH SALLY TRUSTEE	105 FLAGLER ST	33852	HIGHLANDS
C22373060000100020	SANTANA MERCED +	103 FLAGLER ST	33852	HIGHLANDS
C22373060000100010	BARAJAS CHAVEZ JESUS + MARIA	101 FLAGLER ST	33852	HIGHLANDS
C22373060000400130	GARCIA RAMOND	103 DADE AVE	33852	HIGHLANDS
C22373060000400120	GUETTLER HOLDINGS LLC	223 FLAGLER ST	33852	HIGHLANDS
C22373060000400110	GUETTLER HOLDINGS LLC	221 FLAGLER ST	33852	HIGHLANDS
C22373060000400090	ALONSO ANGEL	215 FLAGLER ST	33852	HIGHLANDS
C22373060000400080	OMAIR ALI	211 FLAGLER ST	33852	HIGHLANDS
C22373060000400070	LAMBERT JEAN SONY	209 FLAGLER ST	33852	HIGHLANDS
C22373060000400060	GARCIA RAMOND	207 FLAGLER ST	33852	HIGHLANDS
C313730A0000120000	YOUNGMAN FRANK C + RITA M	1800 SR 70 W	33852	HIGHLANDS
C33373004000000020	WISE WALTER G + SHIRLEY A	21 CENTER ST	33852	HIGHLANDS
C33373002000A00010	SMOAK CITRUS DEVELOPMENT PRTSP	196 SR 70 W	33852	HIGHLANDS
C333730A0000100000	HEARTLAND PARK LLC	115 MYERS RD	33852	HIGHLANDS
C33373002000B00060	DBNCH CIRCLE LLC	2742 US 27 S	33852	HIGHLANDS
C18373001013730000	2901 OLD STATE ROAD 8 LLC	2901 OLD SR 8	33852	HIGHLANDS
C323730A0000610000	EISENHART MICHAEL L	767 SR 70 W	33852	HIGHLANDS
C323730A0000130000	PAI LAKE PLACID GROVES LLC		33852	HIGHLANDS
C323730A0000110000	ARTEMIS OF NAPLES LLC	3109 OLD SR 8	33852	HIGHLANDS
C323730A0000200000	GLADES ELECTRIC COOPERATIVE I	214 SR 70 W ADMIN	33852	HIGHLANDS
C323730A0000600000	E'HARTS NURSERY AND	851 SR 70 W	33852	HIGHLANDS
C333730A0000120000	MCDOUGALD JEFFREY + NANCY	300 SR 70 E	33852	HIGHLANDS
C323730A0000300000	E'HARTS NURSERY +	2806 OLD SR 8 HOUSE	33852	HIGHLANDS
C323730A0000700000	E'HARTS NURSERY + LANDSCAPING	713 SR 70 W	33852	HIGHLANDS
C33373002000C00010	LINDNER MARK L TR +	2741 US 27 S	33852	HIGHLANDS
C22373060000400050	THOMAS TROYLE	205 FLAGLER ST	33852	HIGHLANDS
C22373060000400040	TRUJILLO MARIA ISABEL MENDOZA	203 FLAGLER ST	33852	HIGHLANDS
C22373060000400030	PAONE NICK + ETHEL	201 FLAGLER ST	33852	HIGHLANDS
C22373060000400020	KLEMENCIC JOSEPH	199 FLAGLER ST	33852	HIGHLANDS
C22373060000400010	BOLOGNA ARNO	101 CITRUS BLVD	33852	HIGHLANDS
C22373060000300110	GUZMAN TORRES ISMAEL	187 FLAGLER ST	33852	HIGHLANDS
C22373060000300020	KARLSSON DANIEL STAFFAN ALDOR	165 FLAGLER ST	33852	HIGHLANDS
C22373060000300010	MPCSP INC	101 HIGHLANDS BLVD	33852	HIGHLANDS
C22373060000200130	SANYET ESMERALDO JR +	100 HIGHLANDS BLVD	33852	HIGHLANDS
C22373060000200120	GIVOLY INVESTMENTS LLC	157 FLAGLER ST	33852	HIGHLANDS
C22373060000200110	JOAQUIN GUADALUPE GOMEZ	155 FLAGLER ST	33852	HIGHLANDS
C22373060000200100	BROWNE NORAH J	153 FLAGLER ST	33852	HIGHLANDS
C22373060000200090	POORAN SEWRAM + PAMALA	151 FLAGLER ST	33852	HIGHLANDS
C22373060000200080	VAZQUEZ HECTOR +	149 FLAGLER ST	33852	HIGHLANDS
C22373060000300130	ENRIQUEZ-POLANCO ENRIQUE	100 CITRUS BLVD	33852	HIGHLANDS

Attachment 4: Waterway - Dorr Field Parcel Table				
Parcel ID	**Owner Name**	**Physical Address**	**Zip Code**	**County Name**
C22373060000300120	AGREN STIG ANDERS	189 FLAGLER ST	33852	HIGHLANDS
C22373060000300090	FERNANDEZ BJERG JORGE LUIS ET	183 FLAGLER ST	33852	HIGHLANDS
C22373060000300080	LOPEZ-BLANCO ENRIQUE	179 FLAGLER ST	33852	HIGHLANDS
C22373060000300070	GUERRERO DAVID A	177 FLAGLER ST	33852	HIGHLANDS
C253732A0000100000	SEMINOLE ELECTRIC	21601 SR 70 E	34974	HIGHLANDS
C333731A0000100000	PREMIER CITRUS LLC	3800 SR 70 E	33852	HIGHLANDS
C333731A0000110000	AGRA PRODUCTS LLC	3700 SR 70 E	33852	HIGHLANDS
C363731A0000200000	WOERNER SOUTH INC	4200 SR 70 E	33852	HIGHLANDS
C363731A0000100000				HIGHLANDS
C323731A0000100000	JOHN JULIA A TRUST	2370 SR 70 E	33852	HIGHLANDS
C323731A0000200000	HERITAGE AG LLC +	2332 SR 70 E	33852	HIGHLANDS
C323731A0000300000	MACHADO FAMILY LIMITED	121 DENCO RD PUMP	33852	HIGHLANDS
C323728A0000100000	HIGHLANDS COUNTY BOARD OF CNTY	13255 SR 70 W	33852	HIGHLANDS
C023728A0000300000	ARNOLD SARLO + RICHARD CUDA	14556 SR 70 W EMBARQ TOWER	33852	HIGHLANDS
C263728A0000100000	CARLTON DOYLE E III LLC	10078 SR 70 W	33852	HIGHLANDS
C33573001000400000	SAPP JESSE E	2085 CR 29	33852	HIGHLANDS
C363730A0000200000	SCARBOROUGH JACK	1860 SR 70 E	33852	HIGHLANDS
C343731A0000100000	PREMIER CITRUS LLC	4000 SR 70 E	33852	HIGHLANDS
C353730A0000400000	PEARCE JOSEPH +	29 HALL RD	33852	HIGHLANDS
C323730A0000100000	PAI LAKE PLACID GROVES LLC	913 SR 70 W	33852	HIGHLANDS
C063730A0000200000	SOUTH CENTRAL FLA EXPRESS INC		33852	HIGHLANDS
C053830A0001100000	HOWARD FERTILIZER + CHEMICAL	12538 DISTRIBUTION BLVD	33852	HIGHLANDS
C33373003001500010	JINRIGHT BRENDA LEE	24 EKHOFF LN	33852	HIGHLANDS
C33373003001600000	DRIGGERS HARDIE B TR +	23 EKHOFF LN	33852	HIGHLANDS
C013732A0000100000	LYKES BROS INC	21653 SR 70 E	34974	HIGHLANDS
C263732A0000100000				HIGHLANDS
C273729A0000100000	TIITF/FWCC	9501 PLACID LAKES BLVD	33852	HIGHLANDS
C313731A0000100000	SCARBOROUGH + SONS	2246 SR 70 E	33852	HIGHLANDS
C33373004000A00000	INFORMATION ITEM	18 CENTER ST	33852	HIGHLANDS
C22373060000300060	MARTINEZ LUIS FUSSA	175 FLAGLER ST	33852	HIGHLANDS
C22373060000300050	LATIN AMERICAN INVESTORS CORP	173 FLAGLER ST	33852	HIGHLANDS
C22373060000300040	BARROSO BRUNILDA LOPEZ	171 FLAGLER ST	33852	HIGHLANDS
C22373060000300030	ADOLFO JARAMILLO GUSTAVO	167 FLAGLER ST	33852	HIGHLANDS
C22373060000200070	SMITH PERRY + JULLET	145 FLAGLER ST	33852	HIGHLANDS
C22373060000200060	MARTIN LOCKSLEY + IMOGENE	143 FLAGLER ST	33852	HIGHLANDS
C22373060000200050	PURAN CHANDNI	141 FLAGLER ST	33852	HIGHLANDS
C22373060000200040	LEON-NUNEZ ARMANDO +	139 FLAGLER ST	33852	HIGHLANDS
C22373060000200030	PEREZ-BRAVO CARMELA	137 FLAGLER ST	33852	HIGHLANDS
C22373060000200020	VIEROS NORMA A	135 FLAGLER ST	33852	HIGHLANDS
C22373060000200010	PELLOT-PEREZ JUAN M	101 BROWARD AVE	33852	HIGHLANDS
C22373060000100130	NAJUL BEZ ELIAS	100 BROWARD AVE	33852	HIGHLANDS
C22373060000100120	CASTRO CESAR B CAAMANO	125 FLAGLER ST	33852	HIGHLANDS
C22373060000100110	VIVEROS NORMA A + JOEL	123 FLAGLER ST	33852	HIGHLANDS
C22373060000100100	GARCIA-RIOS MIGUEL A	121 FLAGLER ST	33852	HIGHLANDS
C313730A0000200000	ARCHOLD EXPEDITIONS	1851 SR 70 W	33852	HIGHLANDS
C1837300100AA00000	PAI LAKE PLACID GROVES LLC	3000 OLD SR 8	33852	HIGHLANDS
C353731A0000100000	PREMIER CITRUS LLC	4746 SR 70 E	33852	HIGHLANDS
C273732A0000100000				HIGHLANDS
C013728A0000100000	CARLTON DOYLE E III LLC	9986 SR 70 W	33852	HIGHLANDS
C353732A0000100000				HIGHLANDS
C363730A0000100000	SCARBOROUGH + SONS	1952 CR 29 E	33852	HIGHLANDS
C3337300400000RV27	ALPINE VILLAGE ROC INC	27 CENTER ST	33852	HIGHLANDS
C3337300400000RV25	ALPINE VILLAGE ROC INC	25 CENTER ST	33852	HIGHLANDS
C3337300400000RV23	ALPINE VILLAGE ROC INC	23 CENTER ST	33852	HIGHLANDS
C35373203000100010				HIGHLANDS
C18373001015000000	BLACK BEAR CITRUS LLC	25 PUMP RD	33852	HIGHLANDS
C063729A0000100000	ROMAN III RANCH LLC	13128 DEXTER AVE	33852	HIGHLANDS
C313729A0000100000	CARLTON DOYLE E III LLC	30 ROBERT MCGEE RD	33852	HIGHLANDS
C313730A0000500000	ARCHBOLD EXPEDITIONS	1803 SR 70 W	33852	HIGHLANDS
C263729A0000100000	TIITF/FWCC	4000 SR 70 W	33852	HIGHLANDS

Attachment 5 State Lands Determination of Waterbodies Crossed

FLORIDA DEPARTMENT OF
Environmental Protection

Marjory Stoneman Douglas Building
3900 Commonwealth Boulevard
Tallahassee, FL 32399

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

May 31, 2022

Jude Dawson
Environmental Consulting & Technology, Inc.

RE: Sweatt-Whidden Corridor-Highlands County
Worksheet # 124376

Dear Mr. Dawson:

This letter is in response to your recent inquiry requesting a determination of state owned lands in along the project route in Highlands County.

Our records indicate the lands lying below the ordinary high water line of the Kissimmee River, prior to alterations for the C-38 Canal in Sections 7 & 8, Township 36S, Range 33E are state owned and subject to Easement No. 29173(4674) and Lease No. 4099.

The subject area known as C-41 Canal in Section 25, Township 37S, Range 32E appears to have been dredged. The other canal area along the entire project area appears to have been dredged also. Therefore, we recommend that the proprietary requirements that would normally apply to state lands not apply to these areas.

The Title & Land Records Section has not conducted the research and analysis necessary to determine the original location of the ordinary high water line of Fisheating Creek in Section 31, Township 37S, Range 29E and Section 6, Township 38S, Range 29E at the subject site. Therefore, this is not a determination of the boundaries of Board of Trustees owned sovereignty lands. For regulatory permitting purposes only, we recommend proprietary authorization normally required for the use of state owned lands not be required for the subject site at this time.

The conclusions stated herein are based on a review of records currently available within the Department of Environmental Protection as supplemented, in some cases, by information furnished by the requesting party and do not constitute a legal opinion of title. A permit from the Department of Environmental Protection and other federal, state and local agencies may be required prior to conducting activities.

Should you have any questions regarding this determination, please contact Donelle White, Program Consultant, at mail station 108 at the above address or call at (850) 245-2788.

Sincerely,

Karen McMillan, for

Scott Woolam, PSM, Bureau Chief
Division of State Lands
Bureau of Survey and Mapping
SW/dw
G:\TITLE\Donelle\2022 April-June\Highlands\letter to jude @ ect highlands county 5-31-2022dsl.docx

FLORIDA DEPARTMENT OF
Environmental Protection

Marjory Stoneman Douglas Building
3900 Commonwealth Boulevard
Tallahassee, FL 32399

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

May 27, 2022

Mr. Jude Dawson
Environmental Consulting & Technology, Inc.

RE: Water Crossings

Dear Mr. Dawson:

This letter is in response to your recent inquiry based on the information provided, requesting a submerged lands determination of state-owned lands in multiple sections, Desoto County.

Our records indicate that the submerged lands lying below the ordinary high water line of Joshua Creek at the subject site are state owned lands.

The proposed project activity does cross or pass adjacent state-owned lands by Deed recorded in Official Records Book 128, Page 765, ORB 274, Page 204 and by Quit-Claim Deed dated September 29, 1947, subject to SSL Easement 30361 to Florida Gas Transmission Company, subject to Easement 31265 to Desoto County, Easement to United Telephone Company, relative to Current Uplands Lease 2937, subject to CUL Lease 2937 to Department of Corrections, subject to CUL Lease 4515-01 Sublease to Florida Civil Commitment Center and subject to CUL Lease 4581 to Desoto County.

Our records contain insufficient information to determine the OHWL of Mossy Gully and the un-named wetlands along the corridor route. Therefore, we recommend proprietary requirements that would normally apply to state-owned lands not apply to these sites.

The conclusions stated herein are based on a review of records currently available within the Department of Environmental Protection as supplemented, in some cases, by information furnished by the requesting party and do not constitute a legal opinion of title. A permit from the Department of Environmental Protection and other federal, state and local agencies may be required prior to conducting activities.

Should you have any questions regarding this determination, please contact Sarah Branham, Government Operations Consultant II, at mail station 108 at the above address or call at (850) 245-2788.

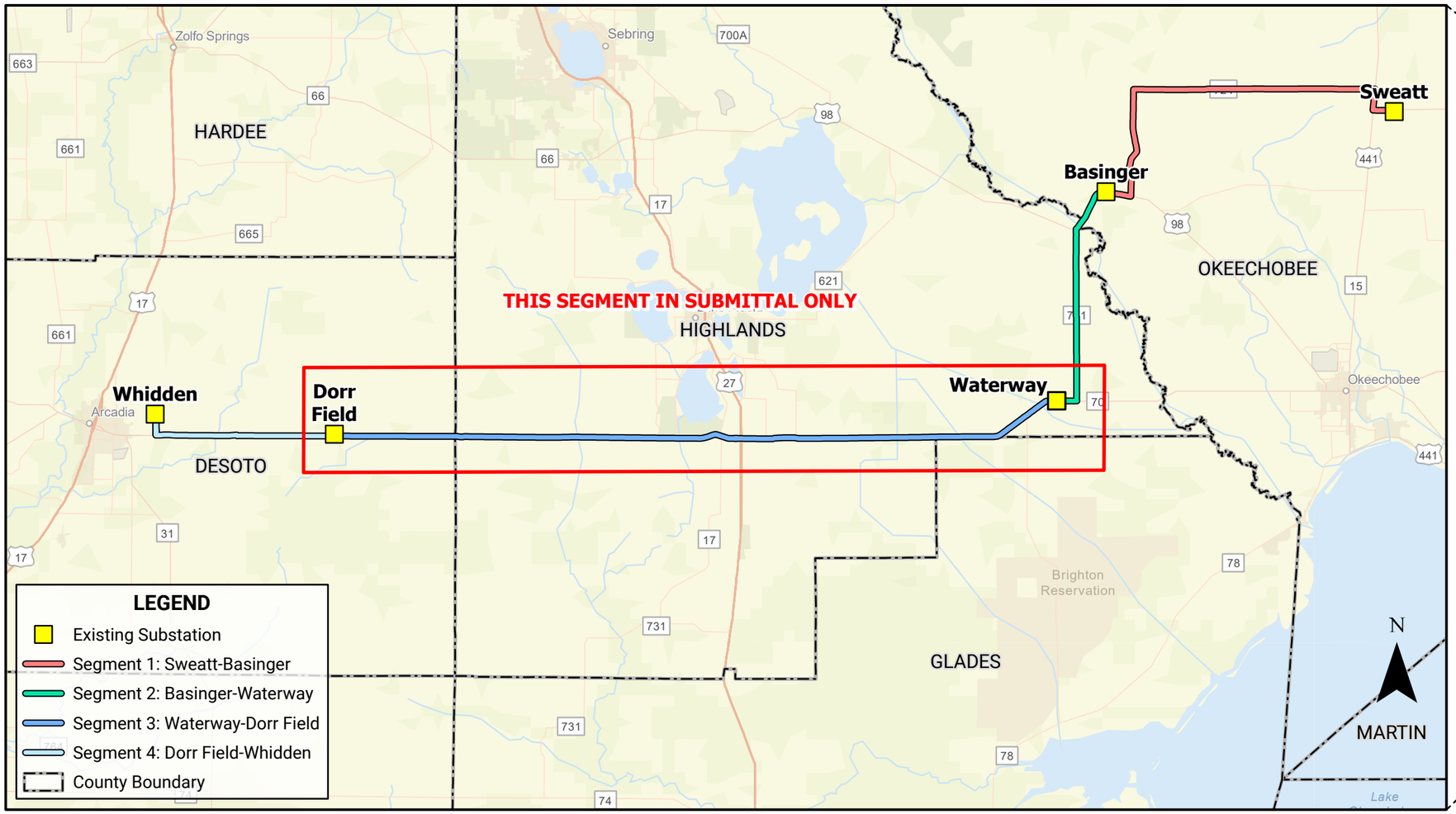
Sincerely,

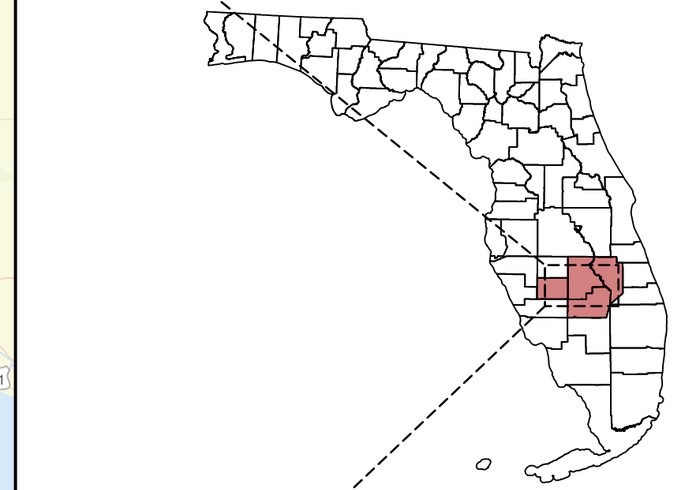
Karen McMillan, for

Scott Woolam, Bureau Chief
Division of State Lands
Bureau of Survey and Mapping
SW/sb
F:\TITLE\Sarah\2022\TITLE DETERMINATIONS\DESOTO\WS 124325\LETTER TO Jude Dawson

Attachment 6 Typical Drawings

Sweatt to Whidden 230kV Transmission Line - TA22-19
Attachments
Segment 3: Waterway - Dorr Field





PROJECT LOCATION

GLADES COUNTY
OKEECHOBEE COUNTY
DESOTO COUNTY
HIGHLANDS COUNTY

MICHAEL K. LEAHY LICENSE No. 45287 STATE OF FLORIDA PROFESSIONAL ENGINEER

MICHAEL K. LEAHY P.E. #45287

1. This document has been digitally signed and sealed by Michael K. Leahy, P.E., P.S.M. on the date above.
2. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

PICKETT AND ASSOCIATES, LLC

5010 West Nassau St. Tampa, FL 33607

REV	DATE	DESCRIPTION	BY	CKD	APP
0	8/29/2023	**ISSUED FOR PERMIT SUBMITTAL**	ANG	BJW	BJW

FLORIDA POWER & LIGHT COMPANY

Sweatt-Whidden TLSA Project, TA22-19

SCALE: NTS
DRAWN BY: ANG
ENGINEER: MKL
COUNTY: DESOTO, GLADES, HIGHLANDS, OKEECHOBEE

DATE: 8/29/2023
CHECKED BY: BJW
SECTION: AS SHOWN
COVER SHEET

PROPOSED SWEATT - WHIDDEN 230KV LINE
SEGMENT 3: WATERWAY - DORR FIELD
ATTACHMENTS

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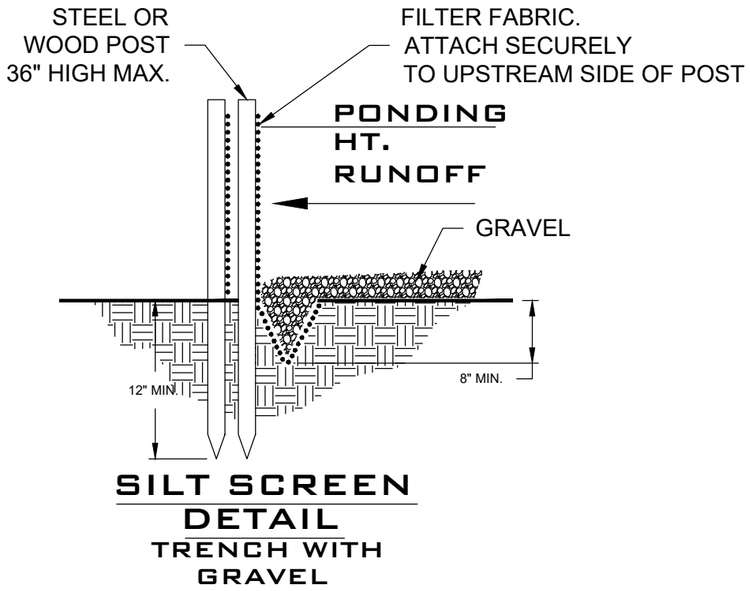
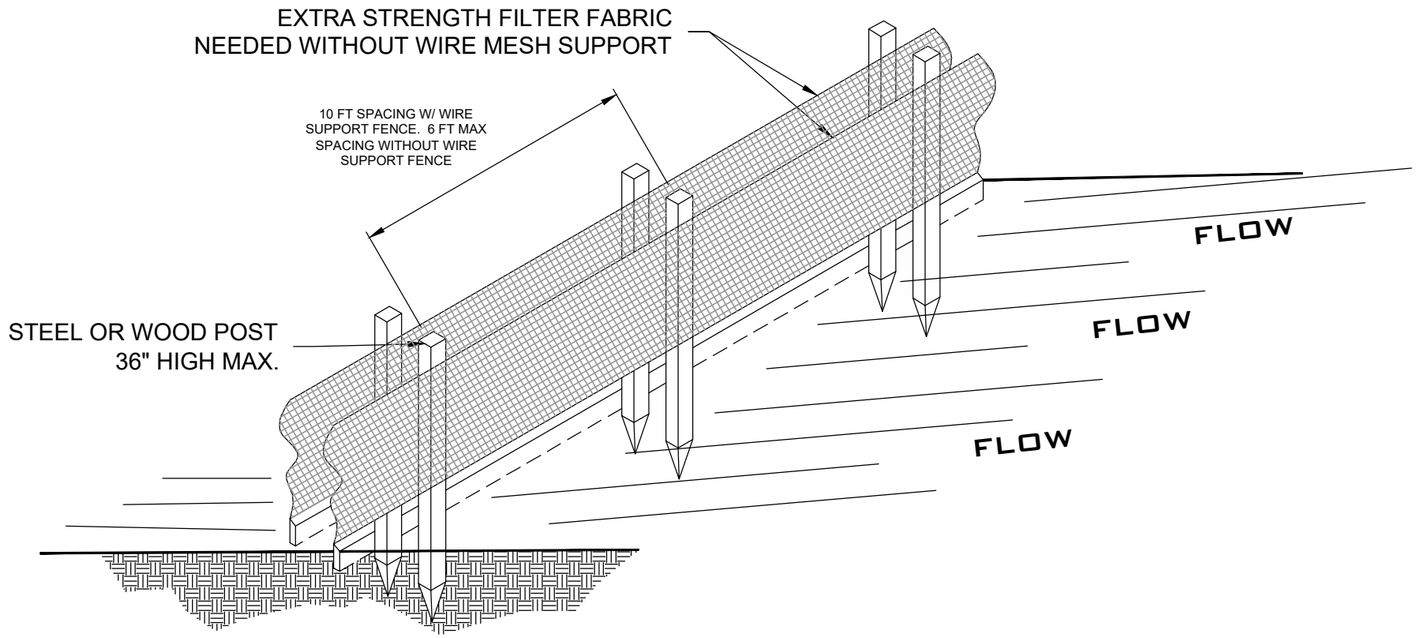
EROSION CONTROL DETAILS

C.1



SILT SCREEN
DETAIL
TRENCH WITH
GRAVEL



NOTES:
1. THE STRAW BALES SHALL BE PLACED ON SLOPE CONTOUR.
2. BALES TO BE PLACED IN A ROW WITH THE ENDS TIGHTLY ABUTTING. USE STRAW, ROCKS AND/OR FILTER FABRIC TO FILL GAPS BETWEEN THE BALES AND TAMP THE BACKFILL MATERIAL TO PREVENT EROSION OR FLOW AROUND BALES.
3. DURING CONSTRUCTION, SILT SCREENS WILL BE INSTALLED AROUND, WITHIN, OR IN PROXIMITY TO A JURISDICTIONAL AREA.

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FLORIDA POWER & LIGHT COMPANY

Sweatt-Whidden TLSA Project, TA22-19

SCALE: NTS
DRAWN BY: ANG
ENGINEER: MKL
COUNTY: OKEECHOBEE
SHEET 1 OF 5

DATE: 8/29/2023
CHECKED BY: BJW
SECTION: AS SHOWN

FPL

BEST MANAGEMENT PRACTICES
EROSION CONTROL

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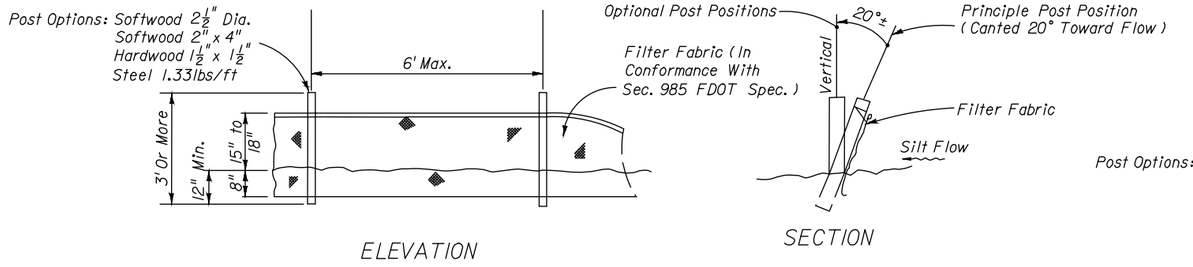
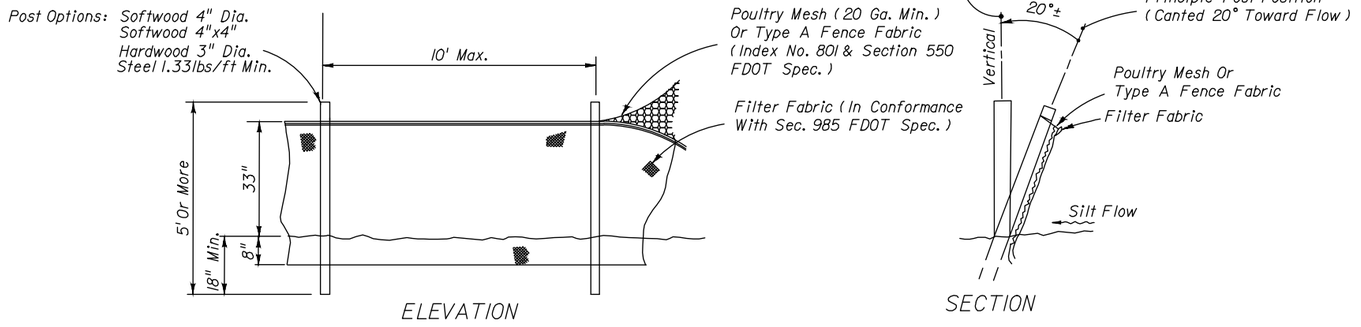
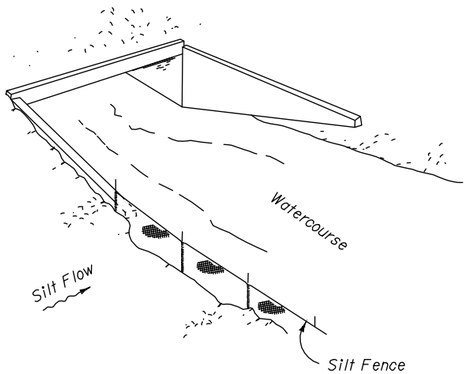
C.1

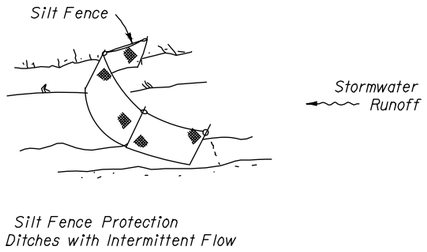


TYPE III SILT FENCE

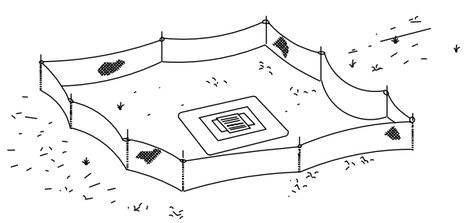


TYPE IV SILT FENCE



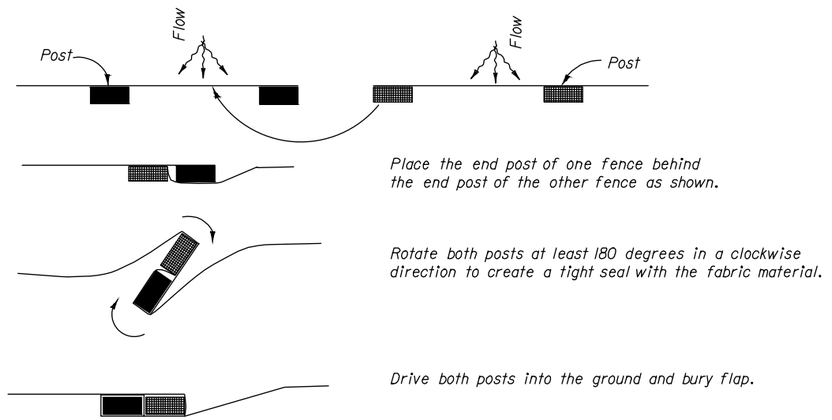


Silt Fence Protection
in Ditches with Intermittent Flow



Silt Fence Protection
Around Ditch Bottom Inlets.

SILT FENCE APPLICATIONS



PLAN VIEW

JOINING TWO SILT FENCES

NOTES FOR SILT FENCES

1. Type III Silt Fence to be used at most locations. Where used in ditches, the spacing for Type III Silt fence shall be in accordance with Chart 1, Sheet 1.
2. Type IV Silt Fence to be used where large sediment loads are anticipated. Suggested use is where fill slope is 1:2 or steeper and length of slope exceeds 25 feet. Avoid use where the detained water may back into travel lanes or off the right of way.
3. Do not construct silt fences across permanent flowing watercourses. Silt fences are to be at upland locations and turbidity barriers used at permanent bodies of water.
4. Where used as slope protection, Silt Fence is to be constructed on 0% longitudinal grade to avoid channelizing runoff along the length of the fence.
5. Silt Fence to be paid for under the contract unit price for Staked Silt Fence, (LF).

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FLORIDA POWER & LIGHT COMPANY

Sweatt-Whidden TLSA Project, TA22-19

SCALE: NTS
DRAWN BY: ANG
ENGINEER: MKL
COUNTY: OKEECHOBEE
SHEET 2 OF 5

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BEST MANAGEMENT PRACTICES
EROSION CONTROL

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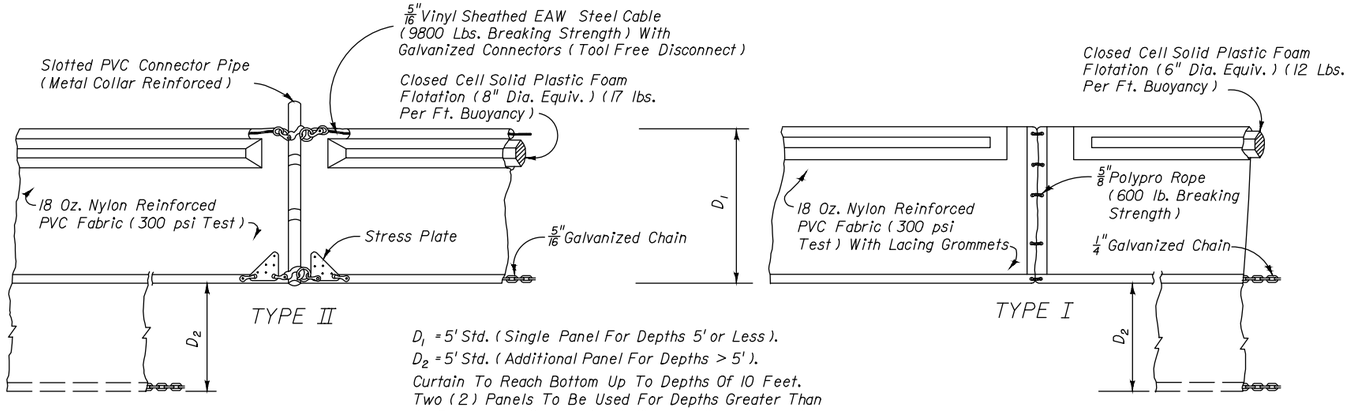
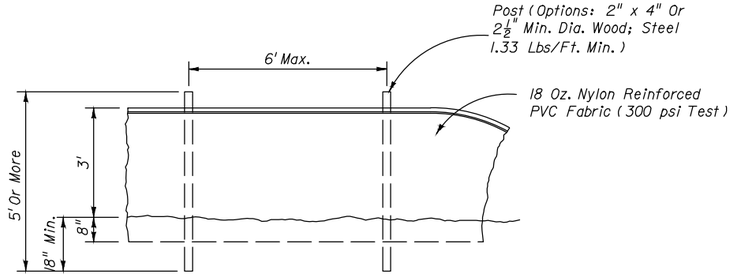
C.1



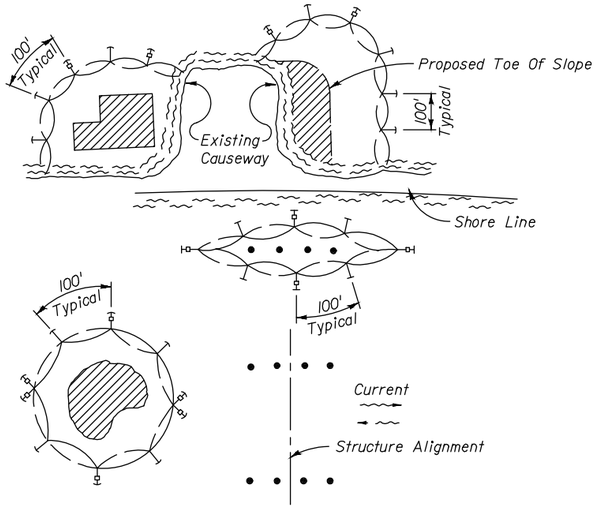
D_1 = 5' Std. (Single Panel For Depths 5' or Less).
D_2 = 5' Std. (Additional Panel For Depths > 5').
Curtain To Reach Bottom Up To Depths Of 10 Feet. Two (2) Panels To Be Used For Depths Greater Than 10 Feet Unless Special Depth Curtains Specifically Call For In The Plans Or As Determined By The Engineer.

NOTICE: COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.



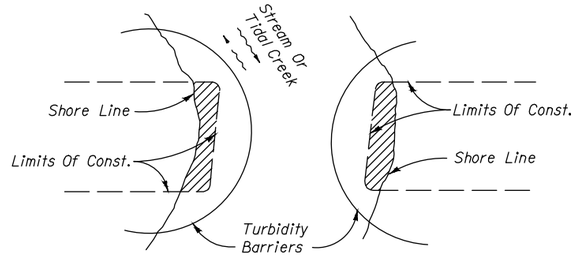
STAKED TURBIDITY BARRIER

FLOATING TURBIDITY BARRIERS



LEGEND

- Pile Locations
- Dredge Or Fill Area
- Mooring Buoy w/Anchor
- Anchor
- Barrier Movement Due To Current Action



NOTES:
1. Turbidity barriers are to be used in all permanent bodies of water regardless of water depth.
2. Number and spacing of anchors dependent on current velocities.
3. Deployment of barrier around pile locations may vary to accommodate construction operations.
4. Navigation may require segmenting barrier during construction operations.
5. For additional information see Section 104 of the Standard Specifications.

Note:
Turbidity barriers for flowing streams and tidal creeks may be either floating, or staked types or any combinations of types that will suit site conditions and meet erosion control and water quality requirements. The barrier type(s) will be at the Contractors option unless otherwise specified in the plans, however payment will be under the pay item(s) established in the plans for Floating Turbidity Barrier and/or Staked Turbidity Barrier. Posts in staked turbidity barriers to be installed in vertical position unless otherwise directed by the Engineer.

TURBIDITY BARRIER APPLICATIONS

GENERAL NOTES

1. Floating turbidity barriers are to be paid for under the contract unit price for Floating Turbidity Barrier, LF.
2. Staked turbidity barriers are to be paid for under the contract unit price for Staked Turbidity Barrier, LF.

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COUNTY: OKEECHOBEE
SHEET 3 OF 5

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BEST MANAGEMENT PRACTICES
EROSION CONTROL

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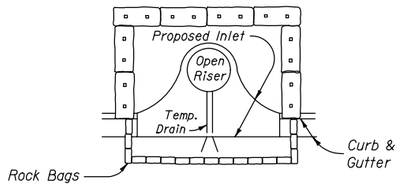
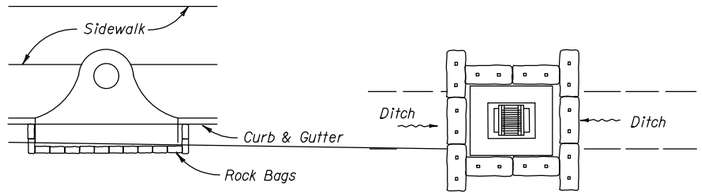


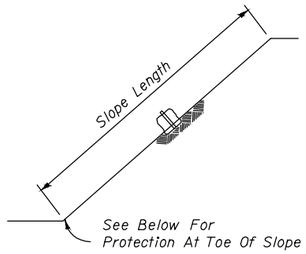
PARTIAL INLET



COMPLETED INLET

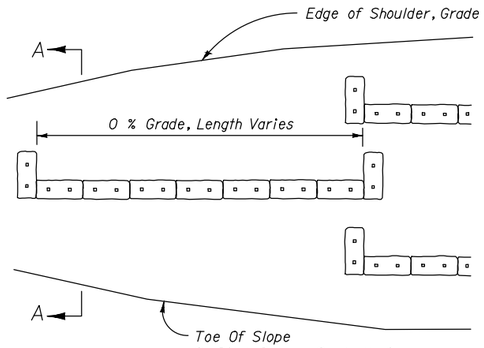
DITCH BOTTOM INLET

PROTECTION AROUND INLETS OR SIMILAR STRUCTURES



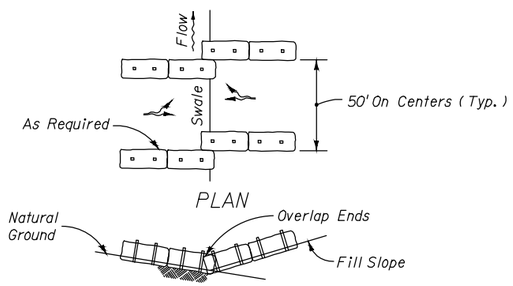
SECTION AA

Note:
Where the slope length exceeds 25 feet, construct one row of bale barriers at 0% longitudinal grade midway up the slope. Contruct two rows of bale barriers where the slope length exceeds 50 feet.



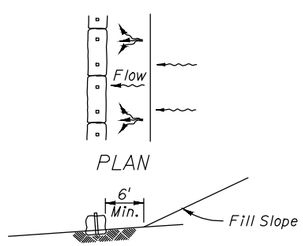
ELEVATION

ALONG FILL SLOPE



PLAN

ELEVATION
TO BE USED WHERE THE NATURAL GROUND SLOPES TOWARD THE TOE OF SLOPE

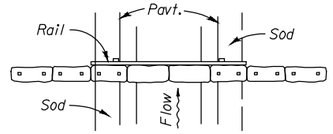


PLAN

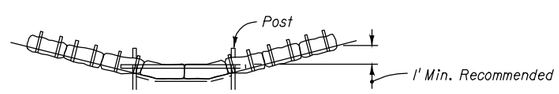
ELEVATION
TO BE USED WHERE THE NATURAL GROUND SLOPES AWAY FROM THE TOE OF SLOPE

AT TOE OF SLOPE

BARRIERS FOR FILL SLOPES

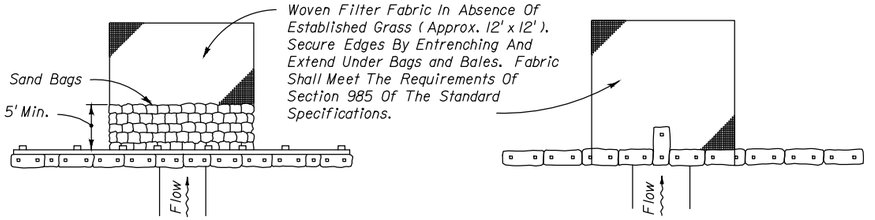


PLAN



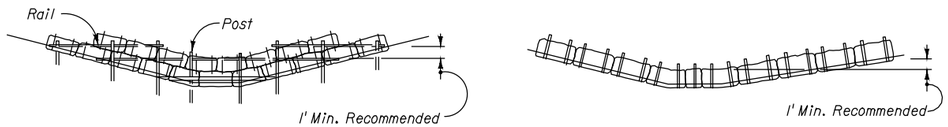
ELEVATION

BARRIER FOR PAVED DITCH



PLAN

PLAN



Anchor Top Bales To Lower Bales With 2 Stakes Per Bale.

ELEVATION
TYPE II

ELEVATION
TYPE I

BARRIERS FOR UNPAVED DITCHES

NOTES FOR BALED HAY OR STRAW BARRIERS

1. Type I and II Barriers should be spaced in accordance with Chart 1, Sheet 1.
2. Hay bales shall be trenched 3" to 4" and anchored with 2 - 1" x 2" (or 1" dia.) x 4' wood stakes. Stakes of other material or shape providing equivalent strength may be used if approved by the Engineer. Stakes other than wood shall be removed upon completion of the project.
3. Rails and posts shall be 2" x 4" wood. Other materials providing equivlalent strength may be used if approved by the Engineer.
4. Adjacent bales shall be butted firmly together. Unavoidable gaps shall be plugged with hay or straw to prevent silt from passing.
5. Where used in conjunction with silt fence, hay bales shall be placed on the upstream side of the fence.
6. Bales to be paid for under the contract unit price for Baled Hay or Straw, EA. The unit price shall include the cost of filter fabric for Type I and II Barriers. Sand bags shall be paid for under the unit price for Sandbagging, CY. Rock bags to be paid for under the contract unit price for Rock Bags, EA.

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FLORIDA POWER & LIGHT COMPANY

Sweatt-Whidden TLSA Project, TA22-19

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COUNTY: OKEECHOBEE
SHEET 4 OF 5

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BEST MANAGEMENT PRACTICES
EROSION CONTROL

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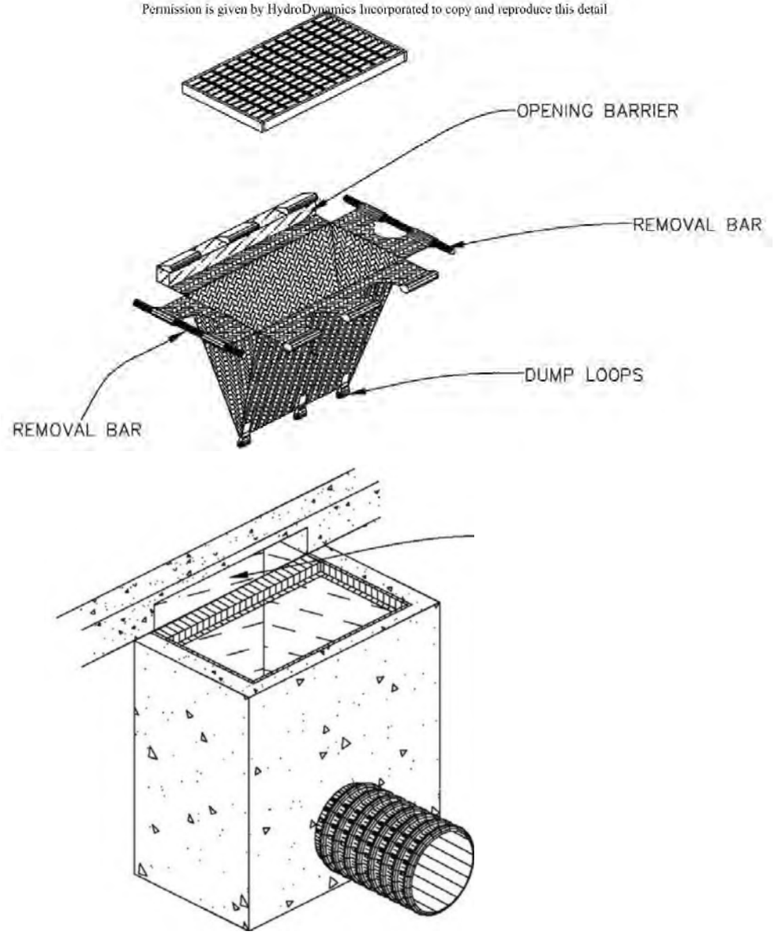
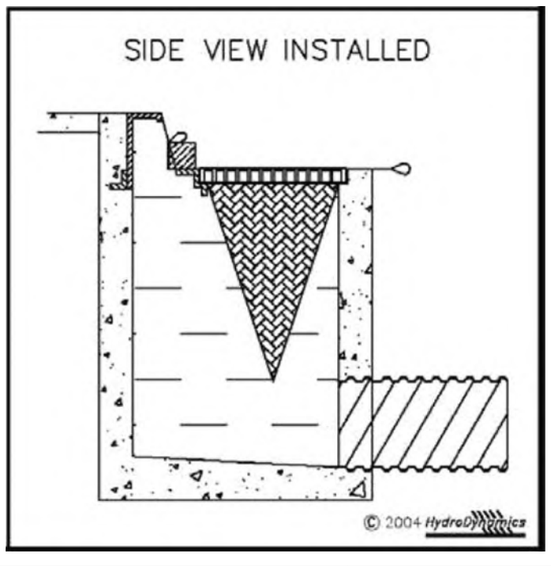
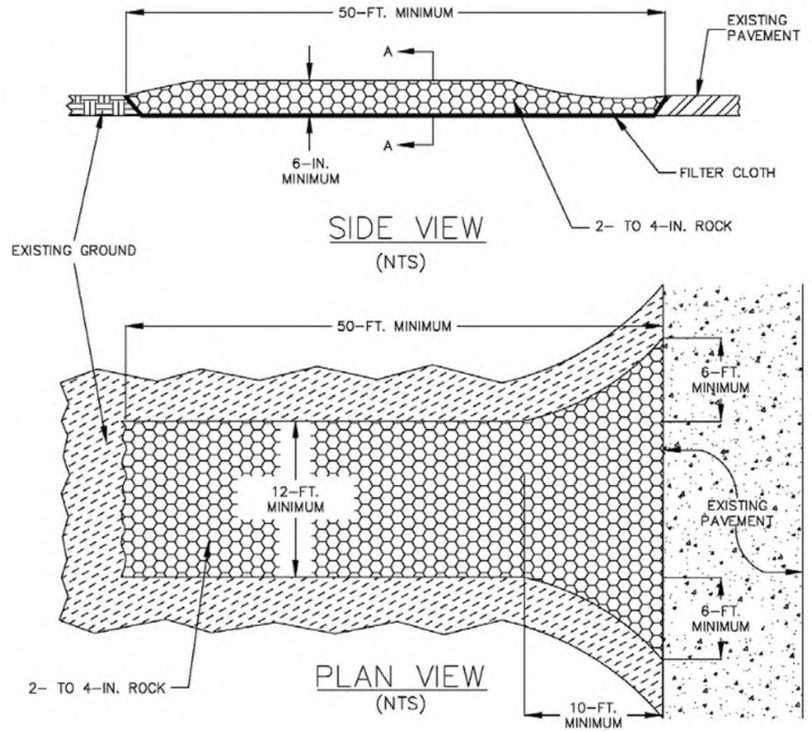


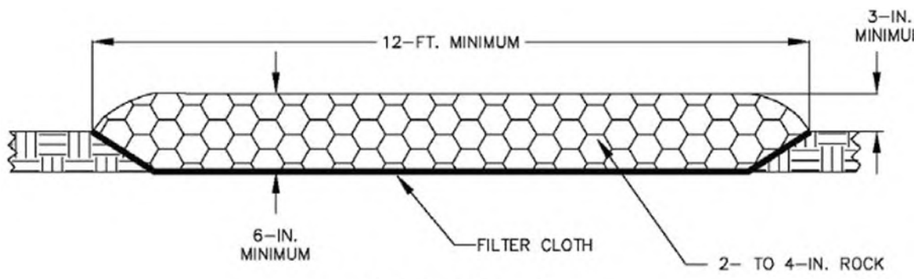


INLET INSERT SEDIMENT CONTAINMENT SYSTEM



SIDE VIEW
(NTS)

PLAN VIEW
(NTS)



SECTION A–A
(NTS)

SOIL TRACKING PREVENTION DEVICE

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BEST MANAGEMENT PRACTICES
EROSION CONTROL

C.1

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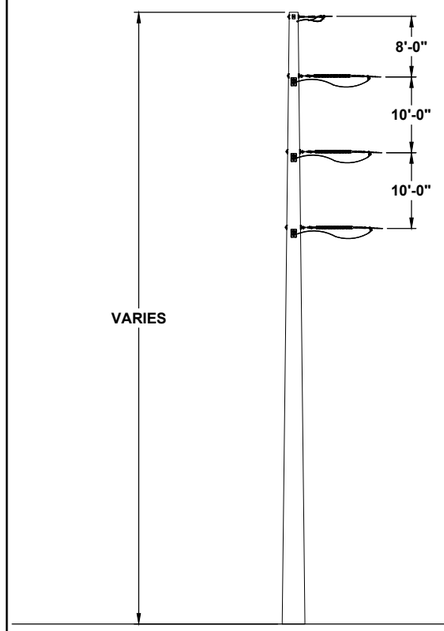
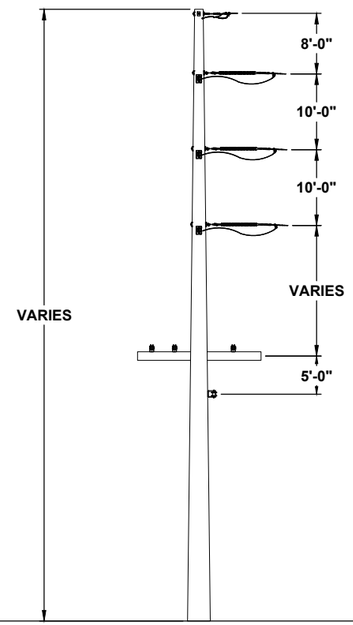
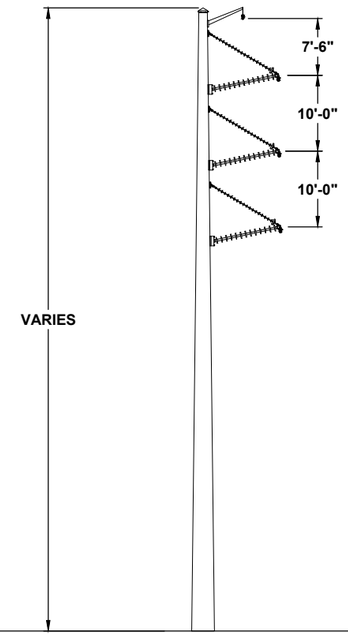
C.2



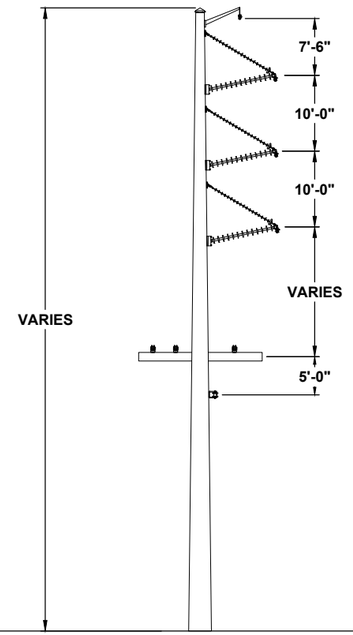
230kV SINGLE CIRCUIT DEADEND



230kV SINGLE CIRCUIT DEADEND
W/ HORIZONTAL DISTRIBUTION UNDERBUILD



230kV SINGLE CIRCUIT VERTICAL TANGENT



230kV SINGLE CIRCUIT VERTICAL TANGENT
W/ HORIZONTAL DISTRIBUTION UNDERBUILD

TYPICAL STRUCTURES

T30438: WATERWAY - DORR FIELD

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COUNTY: OKEECHOBEE
SHEET 1 OF 1

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TYPICAL STRUCTURES

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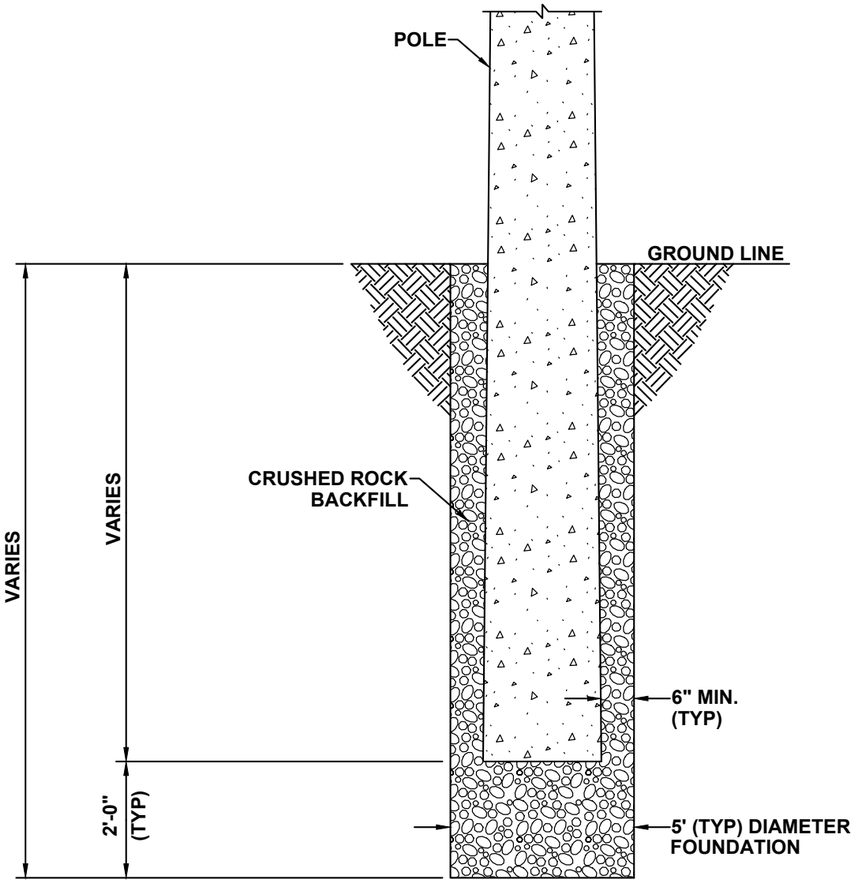

FOUNDATION DETAIL
DIRECT EMBEDDED POLE WITH ROCK BACKFILL

AREA = VARIES
VOLUME = VARIES

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TYPICAL FOUNDATION DETAIL

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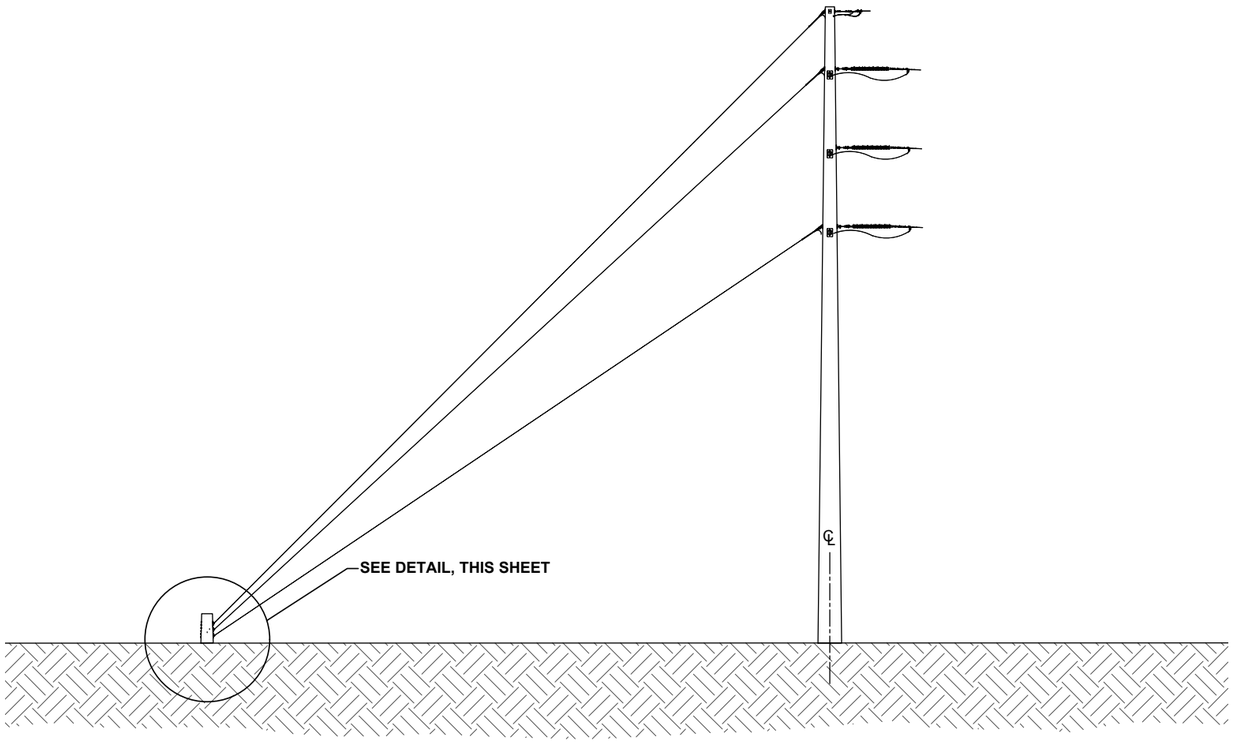
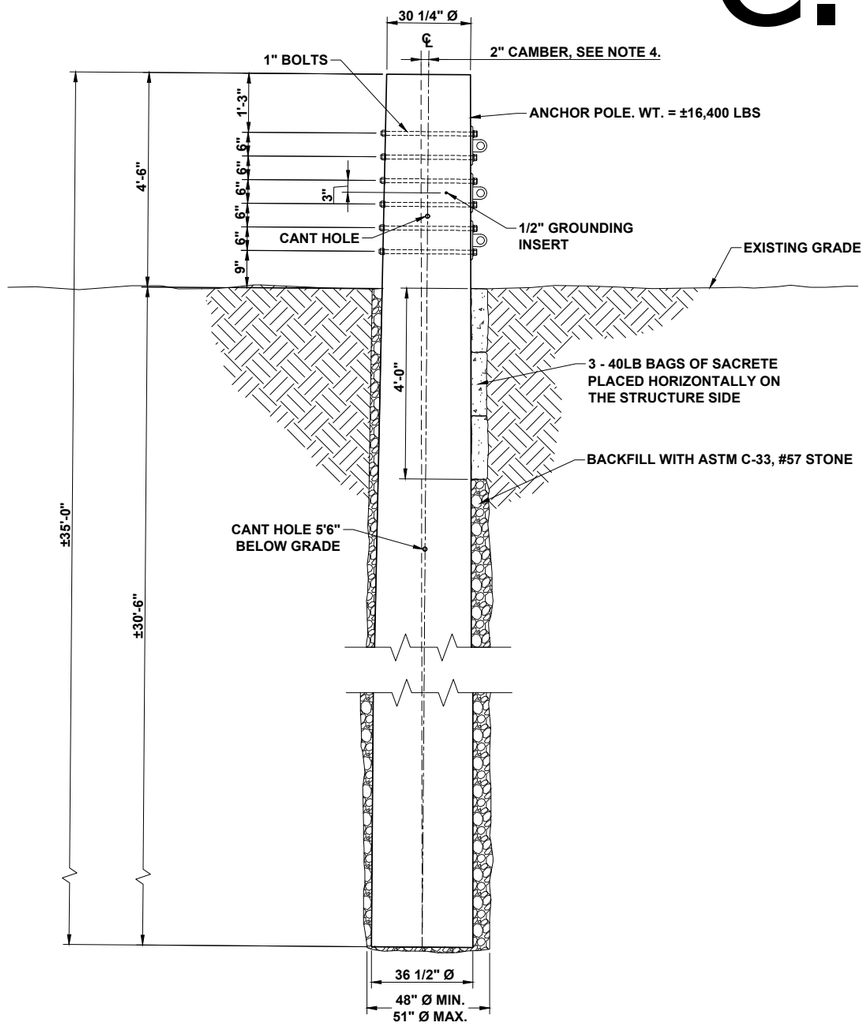


TYPICAL GUYED POLE PROFILE WITH ANCHOR PILE



TYPICAL SPUN CONCRETE ANCHOR PILE DETAIL

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FPL

TYPICAL ANCHOR PILE DETAIL

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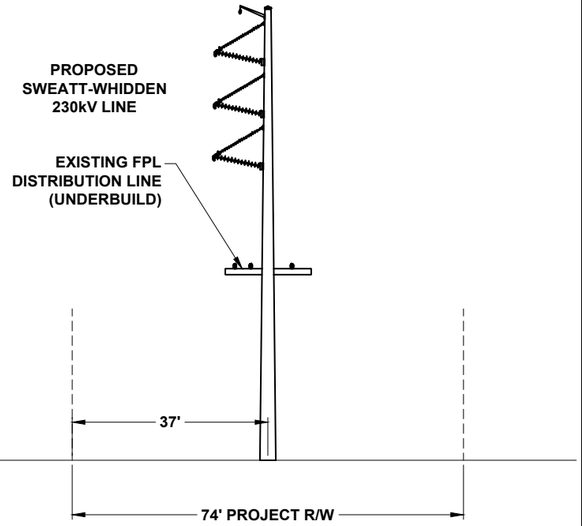
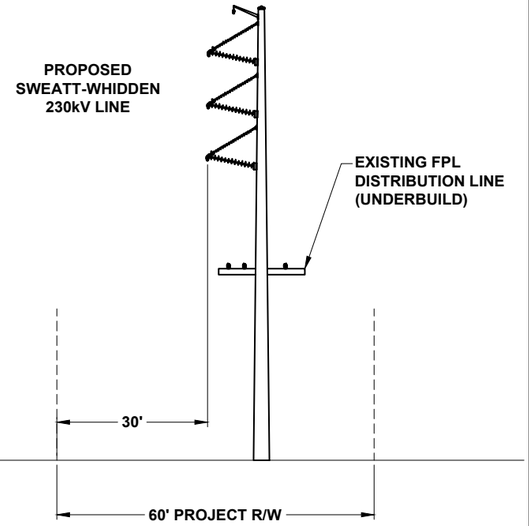
C.5

STR 16L12 THROUGH 17L16
STR 19L5 THROUGH 23L15



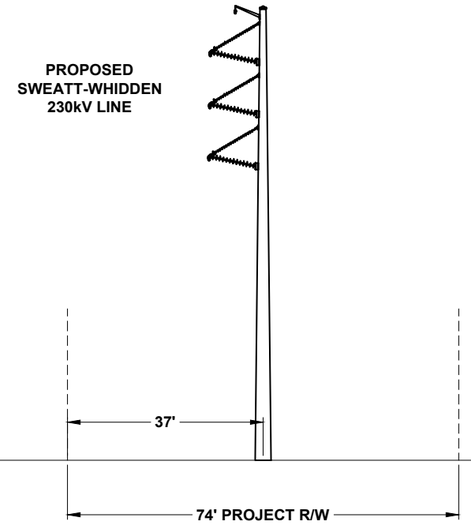
LOOKING WEST

STR 18L1 THROUGH 19L3



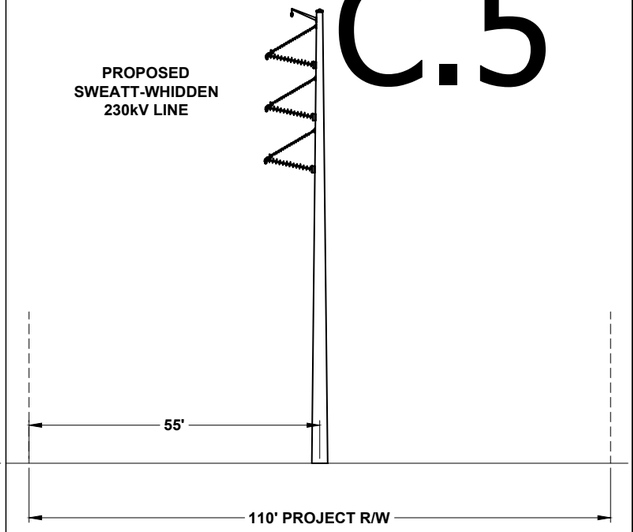
LOOKING WEST

STR 22L5 THROUGH 23L15
STR 24L7 THROUGH 25L4
STR 28L5 THROUGH 29L3
STR 30L11 THOUGH 31L5



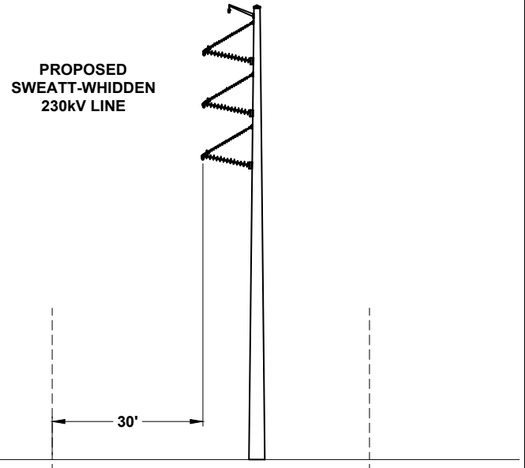
LOOKING WEST

STR 24L1 THROUGH 24L5



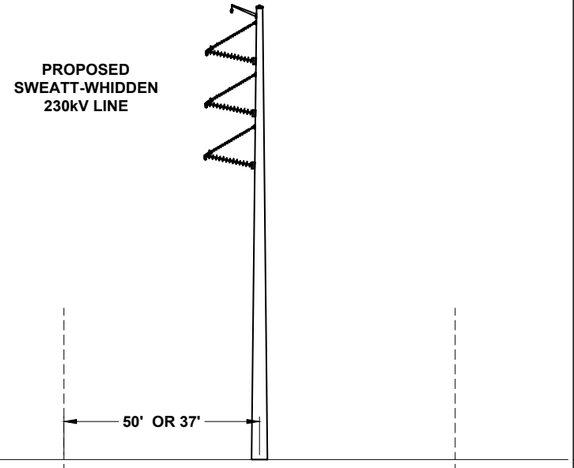
LOOKING WEST

STR 25L7 THROUGH 26L5
STR 27L13 THROUGH 28L3
STR 30L3 THROUGH 30L9



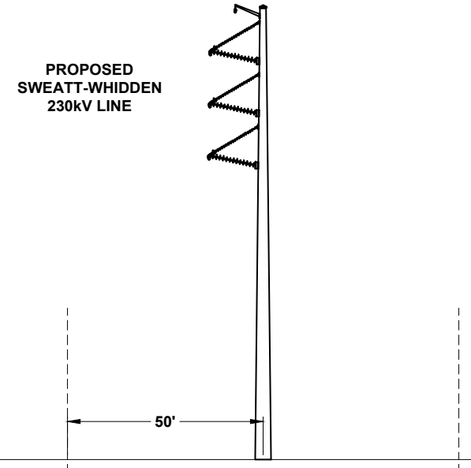
LOOKING WEST

STR 26L7 THROUGH 27L11



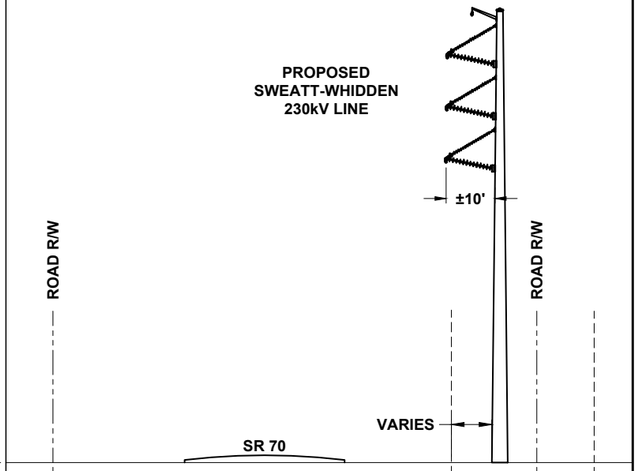
LOOKING WEST

STR 29L13 THROUGH 30L1
STR 40L11 THROUGH 41L11



LOOKING WEST

STR 31L5 THROUGH 32L1
STR 32L7 THROUGH 32L9
STR 33L1A THROUGH 33L7



LOOKING WEST

TYPICAL STRUCTURE CROSS SECTIONS
T30438: SWEATT-WHIDDEN

REV	DATE	DESCRIPTION	BY	CKD	APP
0	8/29/2023	ISSUED FOR PERMIT SUBMITTAL	ANG	BJW	BJW

FLORIDA POWER & LIGHT COMPANY

Sweatt-Whidden TLSA Project, TA22-19

SCALE: NTS
DRAWN BY: ANG
ENGINEER: MKL
COUNTY: OKEECHOBEE
SHEET 1 OF 2

DATE: 8/29/2023
CHECKED BY: BJW
SECTION: AS SHOWN

TYPICAL RIGHT-OF-WAY
SECTIONS

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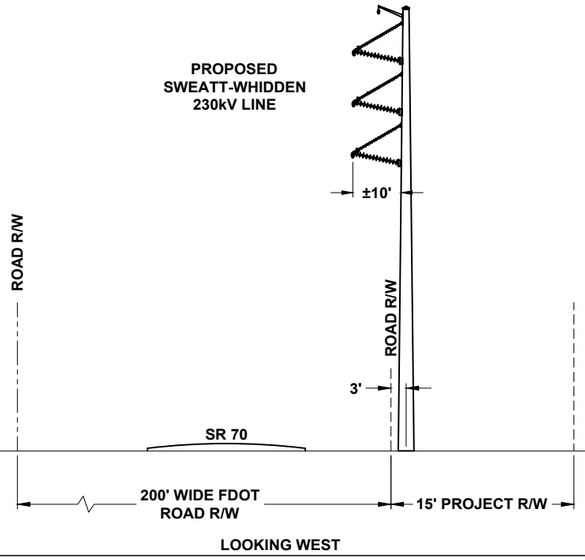
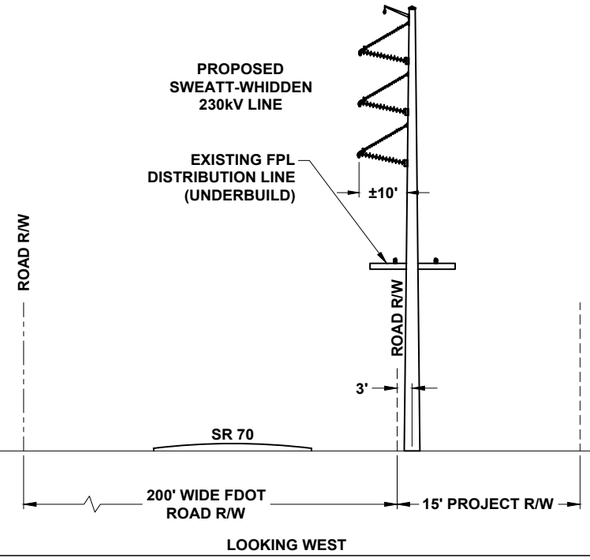
C.5

STR 32L3 THROUGH 32L5
STR 32L11 THROUGH 32L16
STR 33L8 THROUGH 33L13



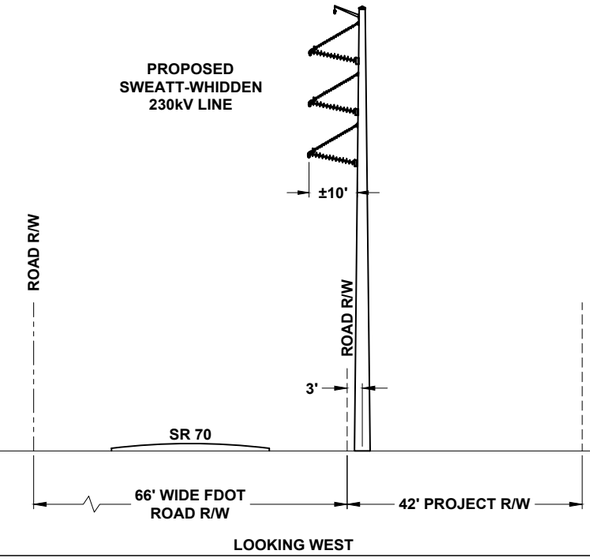
LOOKING WEST

STR 33L14 THROUGH 34L15



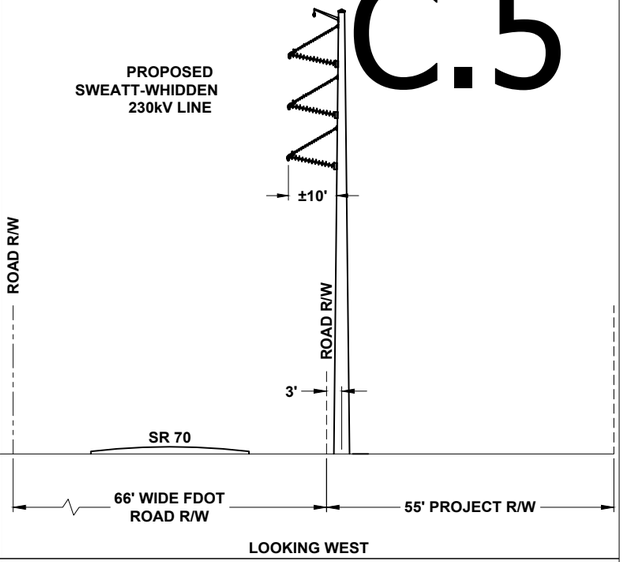
LOOKING WEST

STR 34L16 THROUGH 40L11
STR 41L11 THROUGH 42L8
STR 43L7 THROUGH 44L5



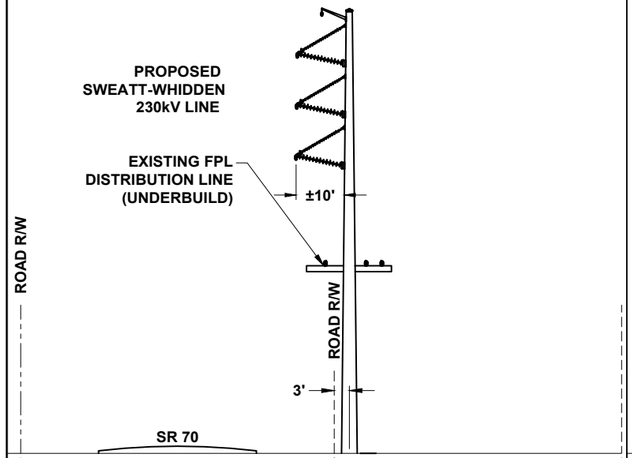
LOOKING WEST

STR 42L10 THROUGH 43L5
STR 44L5 THROUGH 44L11



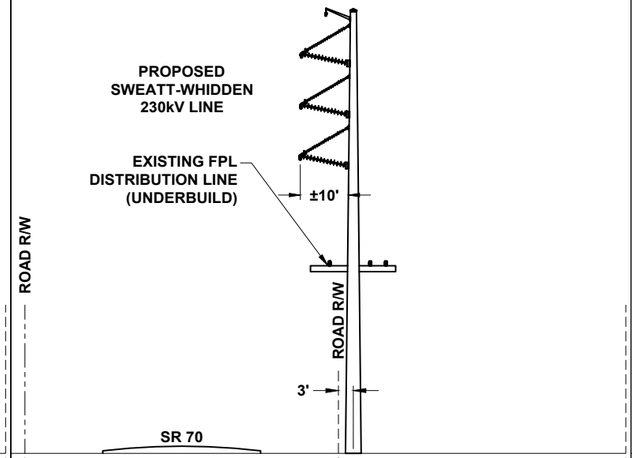
LOOKING WEST

STR 44L13 THROUGH 45L3



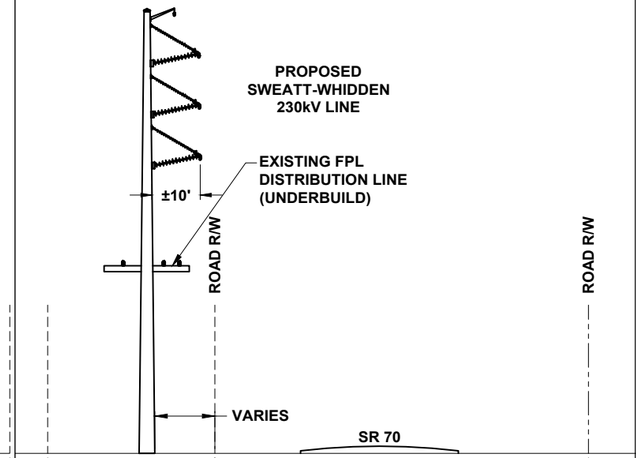
LOOKING WEST

STR 45L5 THROUGH 45L13



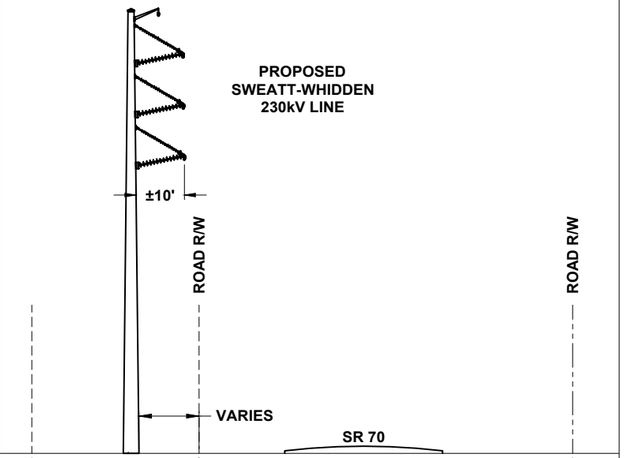
LOOKING WEST

STR 45L14 THROUGH 48L3



LOOKING WEST

STR 48L4 THROUGH 51L16



LOOKING WEST

TYPICAL STRUCTURE CROSS SECTIONS
T30438: SWEATT-WHIDDEN

REV	DATE	DESCRIPTION	BY	CKD	APP
0	8/29/2023	ISSUED FOR PERMIT SUBMITTAL	ANG	BJW	BJW

FLORIDA POWER & LIGHT COMPANY

Sweatt-Whidden TLSA Project, TA22-19

SCALE: NTS
DRAWN BY: ANG
ENGINEER: MKL
COUNTY: OKEECHOBEE
SHEET 2 OF 2

DATE: 8/29/2023
CHECKED BY: BJW
SECTION: AS SHOWN

TYPICAL RIGHT-OF-WAY
SECTIONS

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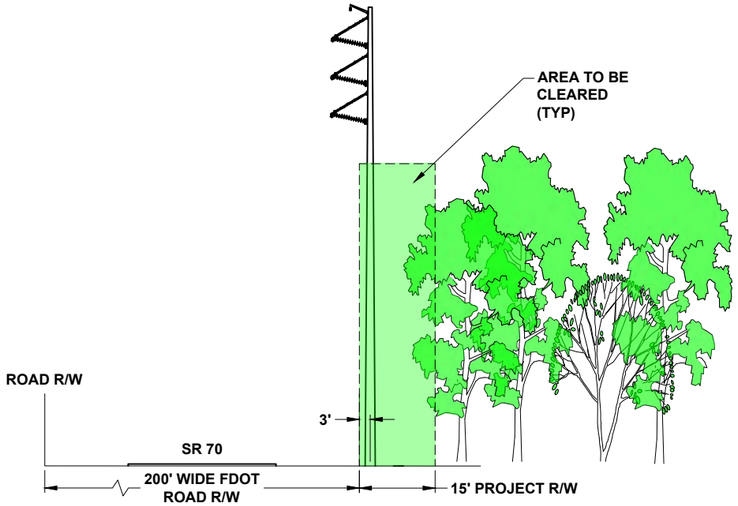
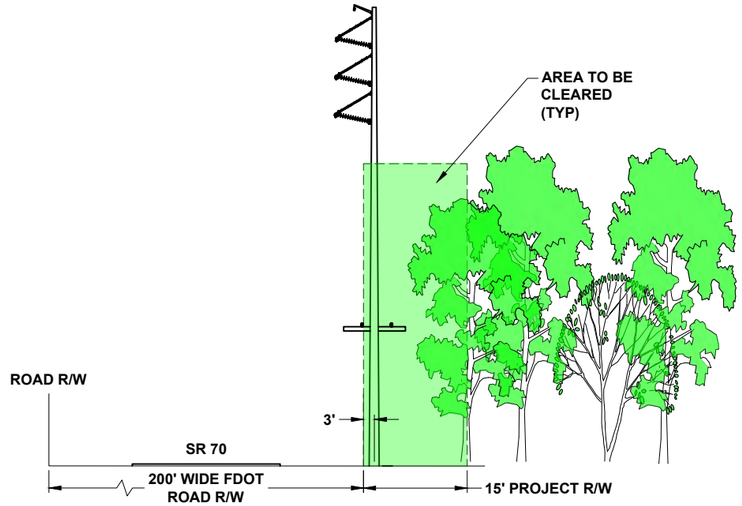
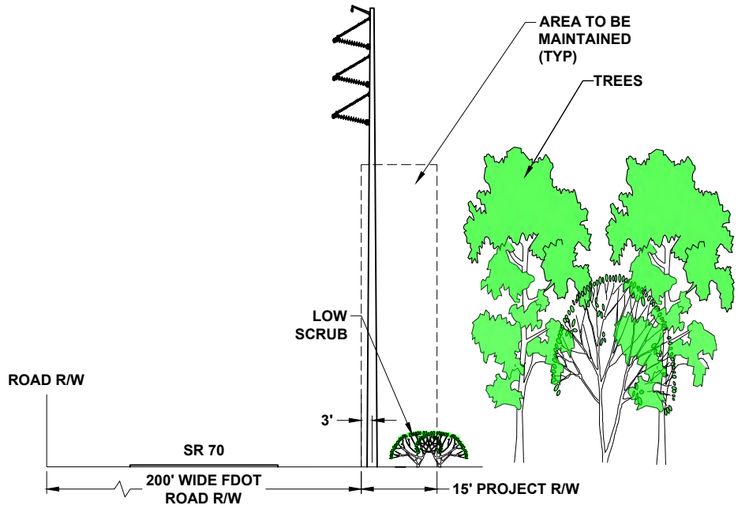


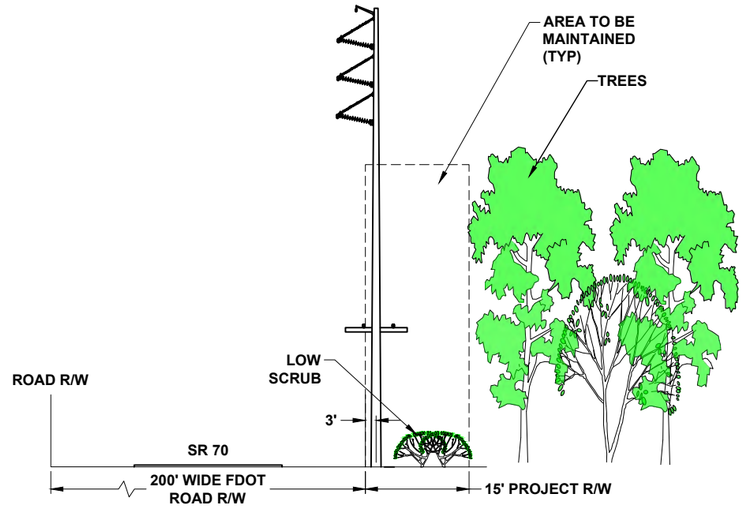
TYPICAL CLEARING 15' EASEMENT



TYPICAL CLEARING 15' EASEMENT W/DISTRIBUTION UNDERBUILD



TYPICAL MAINTENANCE 15' EASEMENT



TYPICAL MAINTENANCE 15' EASEMENT W/DISTRIBUTION UNDERBUILD

REV	DATE	DESCRIPTION	BY	CKD	APP
0	8/29/2023	ISSUED FOR PERMIT SUBMITTAL	ANG	BJW	BJW

FLORIDA POWER & LIGHT COMPANY

Sweatt-Whidden TLSA Project, TA22-19

SCALE: NTS
DRAWN BY: ANG
ENGINEER: MKL
COUNTY: OKEECHOBEE
SHEET 1 OF 8

DATE: 8/29/2023
CHECKED BY: BJW
SECTION: AS SHOWN

FPL

TYPICAL RIGHT-OF-WAY MAINTENANCE

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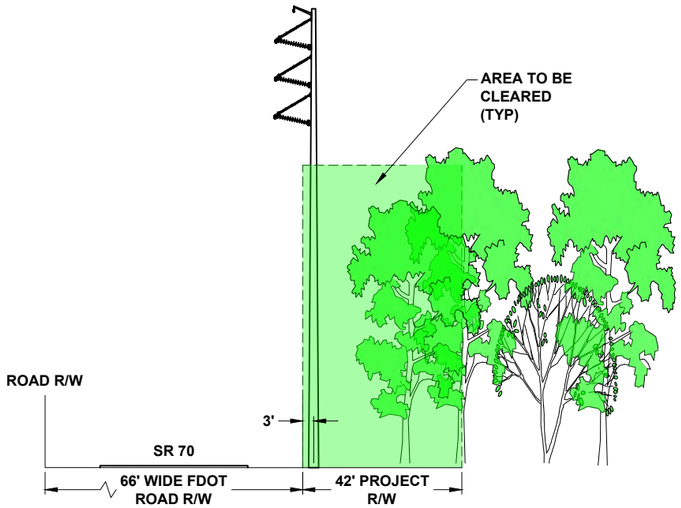
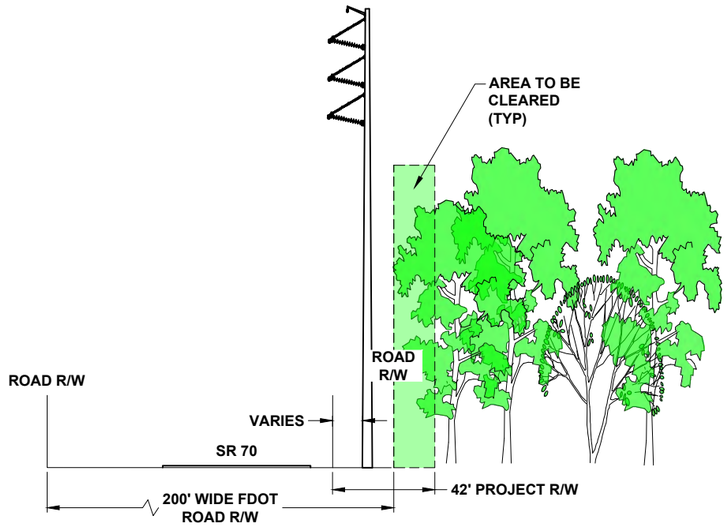
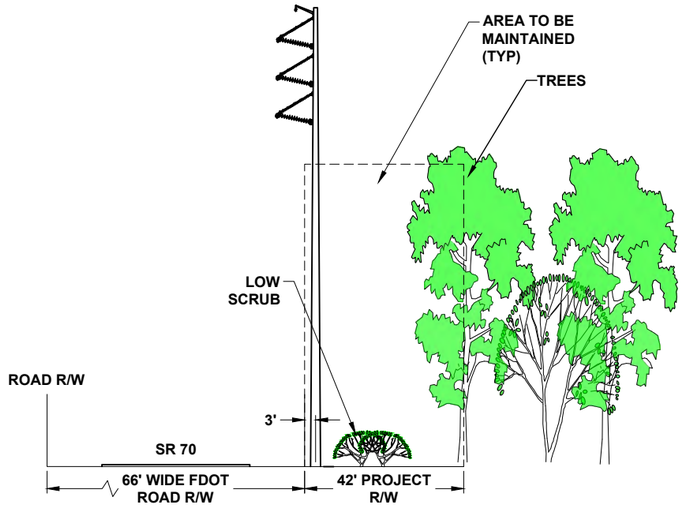


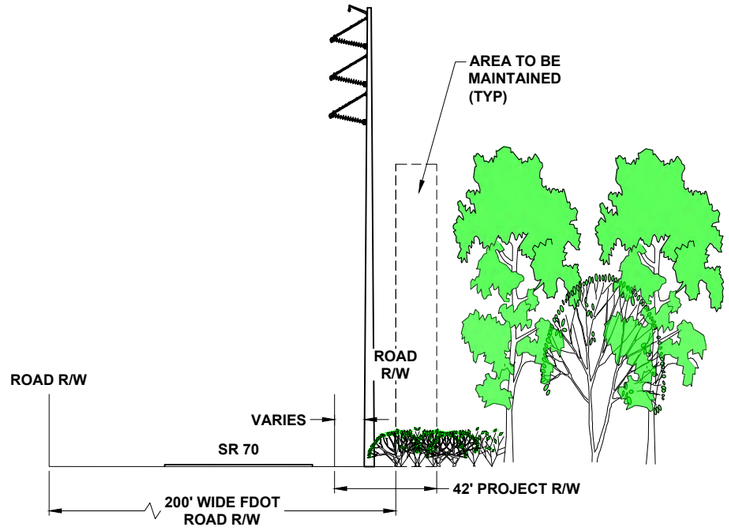
TYPICAL CLEARING 42' EASEMENT



TYPICAL CLEARING 42' EASEMENT



TYPICAL MAINTENANCE 42' EASEMENT



TYPICAL MAINTENANCE 42' EASEMENT

REV	DATE	DESCRIPTION	BY	CKD	APP
0	8/29/2023	ISSUED FOR PERMIT SUBMITTAL	ANG	BJW	BJW

FLORIDA POWER & LIGHT COMPANY

Sweatt-Whidden TLSA Project, TA22-19

SCALE: NTS
DRAWN BY: ANG
ENGINEER: MKL
COUNTY: OKEECHOBEE
SHEET 2 OF 8

DATE: 8/29/2023
CHECKED BY: BJW
SECTION: AS SHOWN

FPL

TYPICAL RIGHT-OF-WAY
MAINTENANCE

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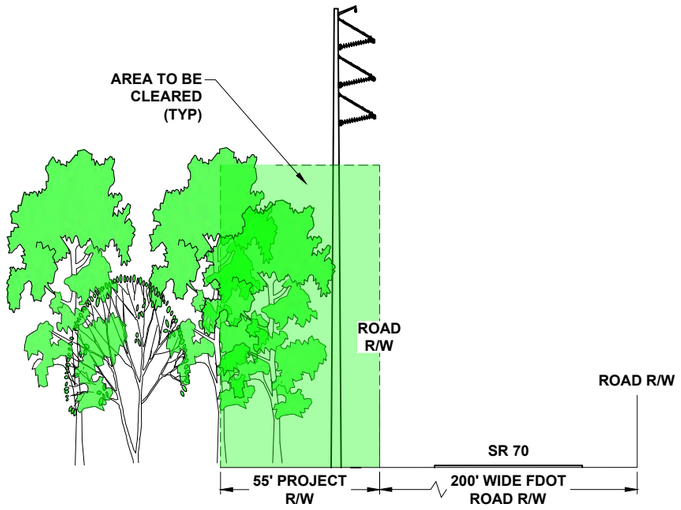
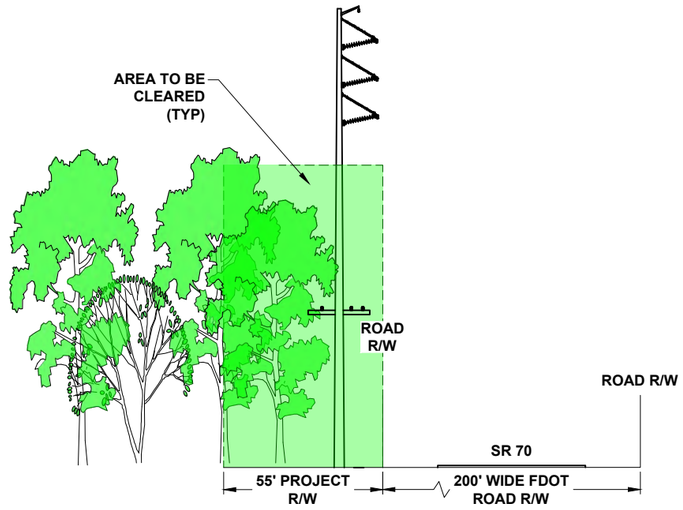
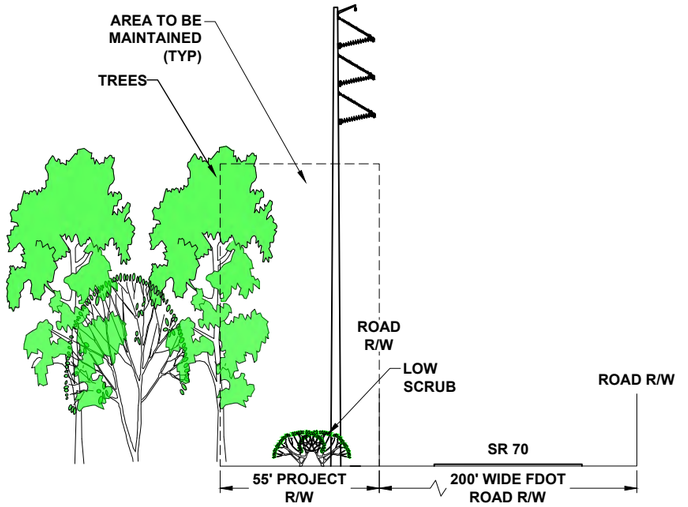


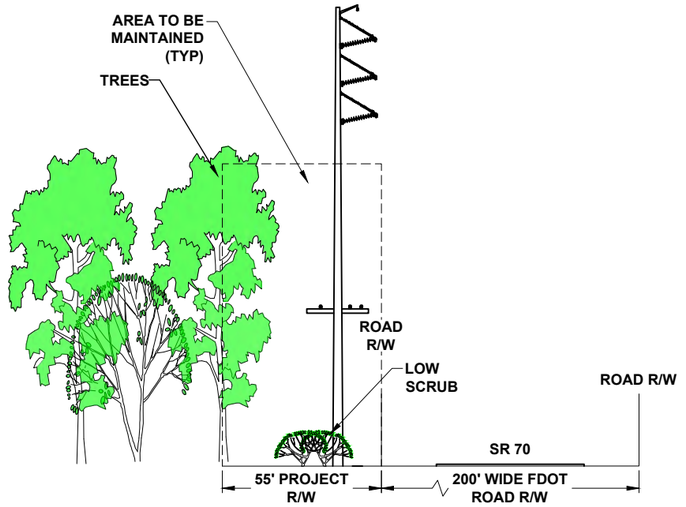
TYPICAL CLEARING 55' EASEMENT



TYPICAL CLEARING 55' EASEMENT W/ DISTRIBUTION UNDERBUILD



TYPICAL MAINTENANCE 55' EASEMENT



TYPICAL MAINTENANCE 55' EASEMENT W/ DISTRIBUTION UNDERBUILD

REV	DATE	DESCRIPTION	BY	CKD	APP
0	8/29/2023	ISSUED FOR PERMIT SUBMITTAL	ANG	BJW	BJW

FLORIDA POWER & LIGHT COMPANY — **Sweatt-Whidden TLSA Project, TA22-19**

SCALE: NTS
DRAWN BY: ANG
ENGINEER: MKL
COUNTY: OKEECHOBEE
SHEET 3 OF 8

DATE: 8/29/2023
CHECKED BY: BJW
SECTION: AS SHOWN

FPL

TYPICAL RIGHT-OF-WAY MAINTENANCE

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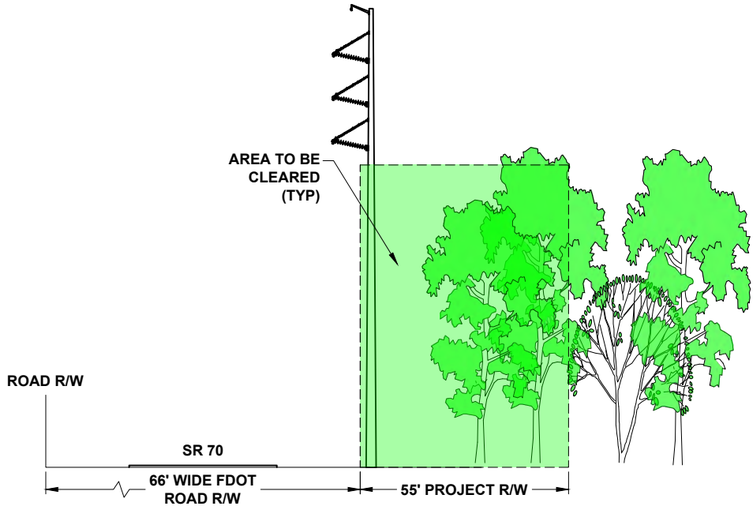
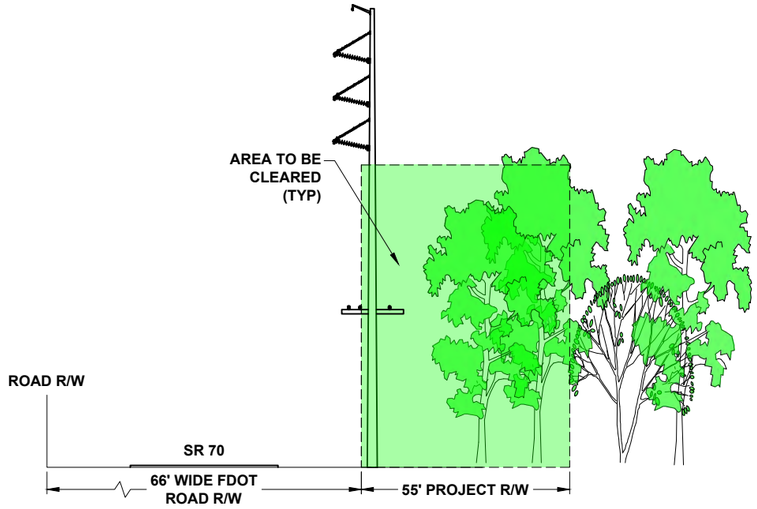
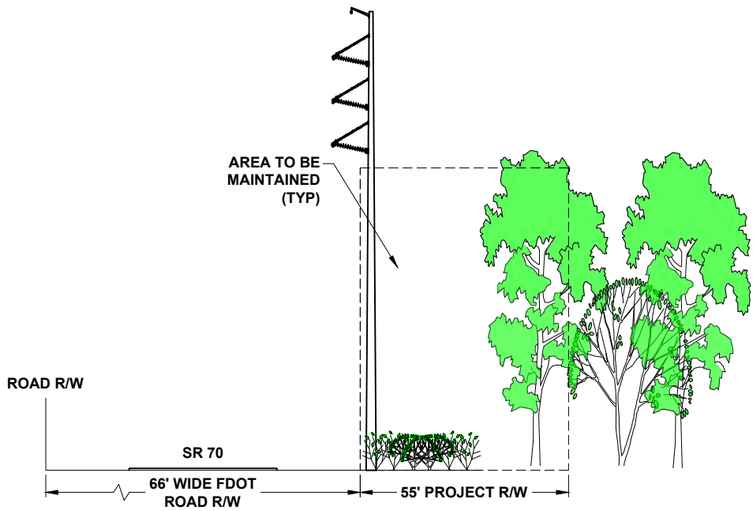
C.6



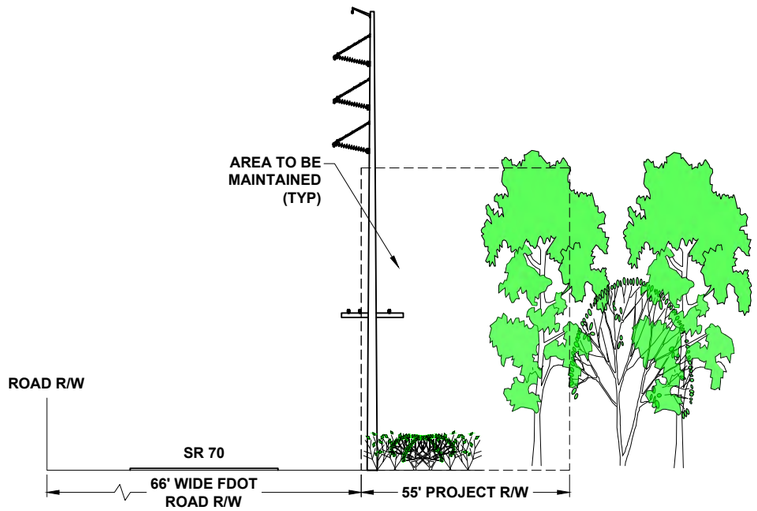
TYPICAL CLEARING 55' EASEMENT



TYPICAL CLEARING 55' EASEMENT W/DISTRIBUTION UNDERBUILD



TYPICAL MAINTENANCE 55' EASEMENT



TYPICAL MAINTENANCE 55' EASEMENT W/DISTRIBUTION UNDERBUILD

REV	DATE	DESCRIPTION	BY	CKD	APP
0	8/29/2023	ISSUED FOR PERMIT SUBMITTAL	ANG	BJW	BJW

FLORIDA POWER & LIGHT COMPANY

Sweatt-Whidden TLSA Project, TA22-19

SCALE: NTS
DRAWN BY: ANG
ENGINEER: MKL
COUNTY: OKEECHOBEE
SHEET 4 OF 8

DATE: 8/29/2023
CHECKED BY: BJW
SECTION: AS SHOWN

FPL

TYPICAL RIGHT-OF-WAY MAINTENANCE

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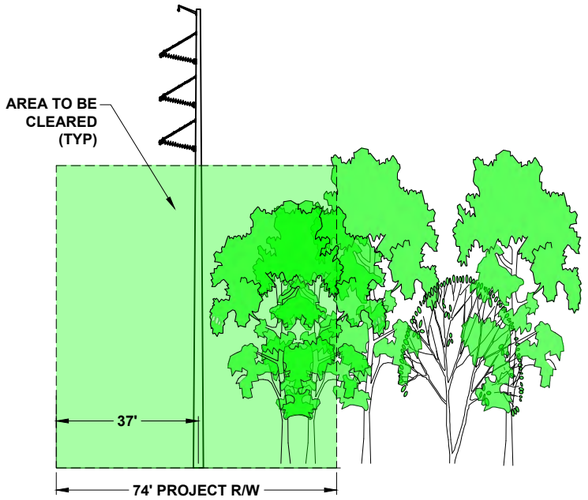
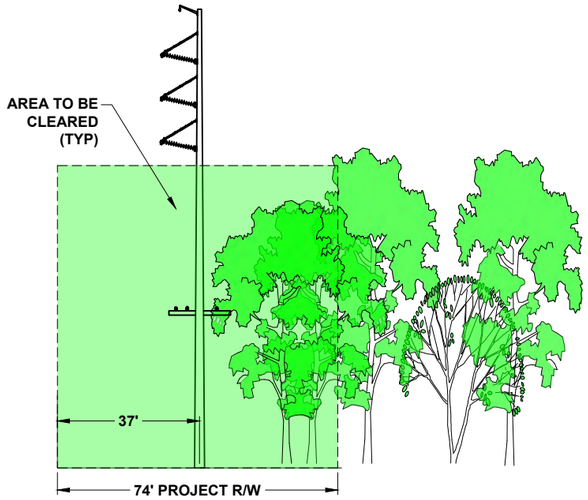
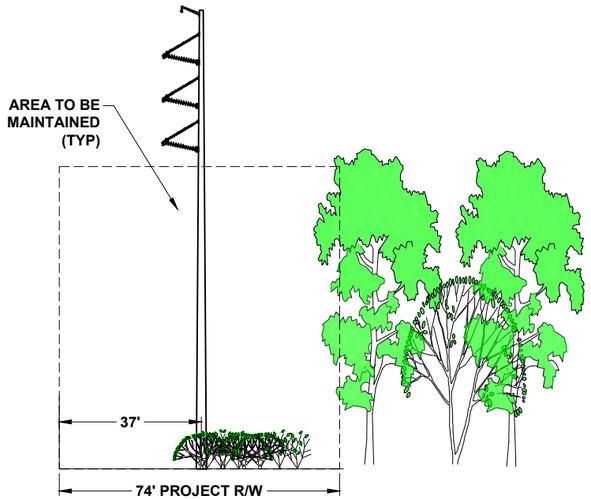


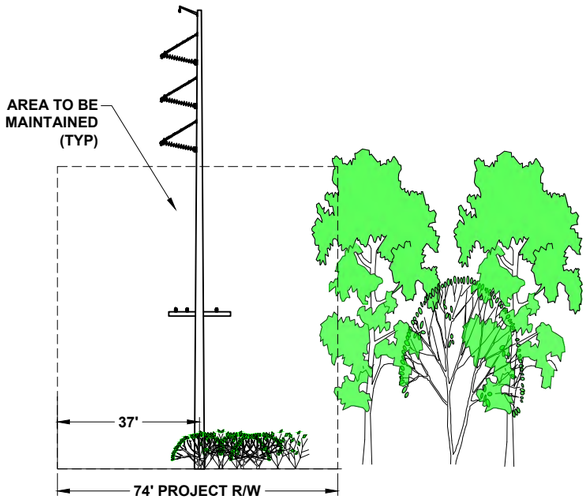
TYPICAL CLEARING 74' EASEMENT



TYPICAL CLEARING 74' EASEMENT W/ DISTRIBUTION UNDERBUILD



TYPICAL MAINTENANCE 74' EASEMENT



TYPICAL MAINTENANCE 74' EASEMENT W/ DISTRIBUTION UNDERBUILD

REV	DATE	DESCRIPTION	BY	CKD	APP
0	8/29/2023	ISSUED FOR PERMIT SUBMITTAL	ANG	BJW	BJW

FLORIDA POWER & LIGHT COMPANY

Sweatt-Whidden TLSA Project, TA22-19

SCALE: NTS
DRAWN BY: ANG
ENGINEER: MKL
COUNTY: OKEECHOBEE
SHEET 5 OF 8

DATE: 8/29/2023
CHECKED BY: BJW
SECTION: AS SHOWN

FPL

TYPICAL RIGHT-OF-WAY MAINTENANCE

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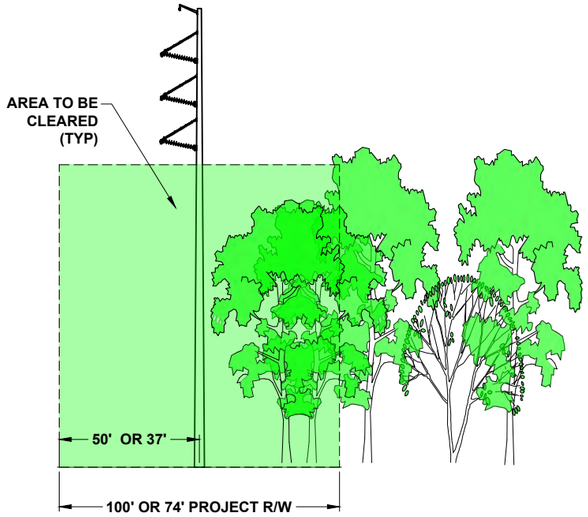
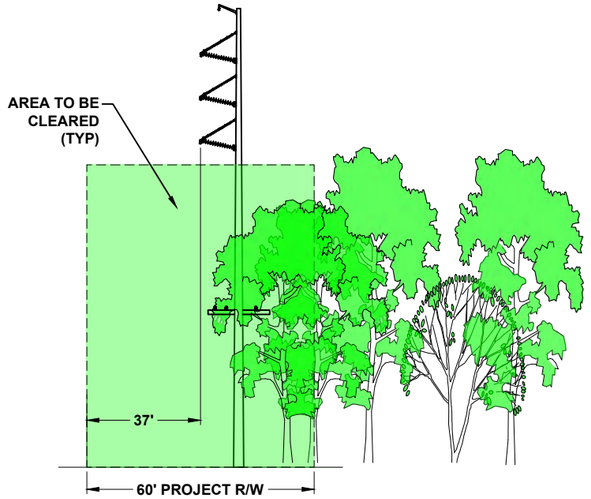
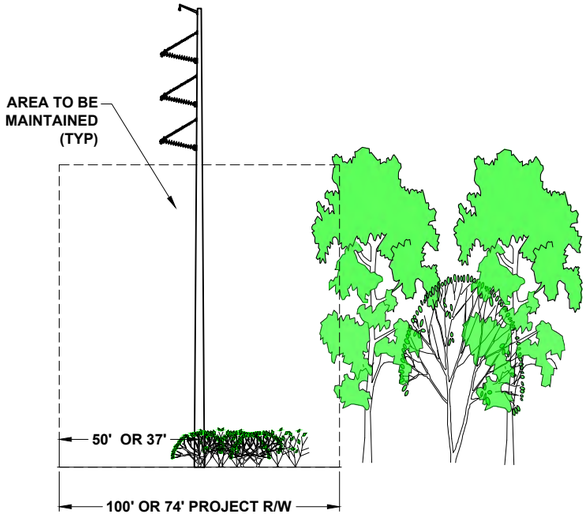
C.6



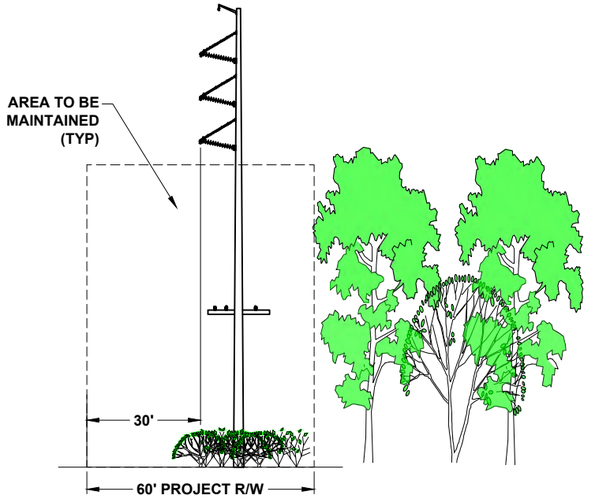
TYPICAL 74' OR 100' EASEMENT



TYPICAL CLEARING 60' EASEMENT W/ DISTRIBUTION UNDERBUILD



TYPICAL 74' OR 100' EASEMENT



TYPICAL MAINTENANCE 60' EASEMENT W/ DISTRIBUTION UNDERBUILD

REV	DATE	DESCRIPTION	BY	CKD	APP
0	8/29/2023	ISSUED FOR PERMIT SUBMITTAL	ANG	BJW	BJW

FLORIDA POWER & LIGHT COMPANY

Sweatt-Whidden TLSA Project, TA22-19

SCALE: NTS
DRAWN BY: ANG
ENGINEER: MKL
COUNTY: OKEECHOBEE
SHEET 6 OF 8

DATE: 8/29/2023
CHECKED BY: BJW
SECTION: AS SHOWN

FPL

TYPICAL RIGHT-OF-WAY MAINTENANCE

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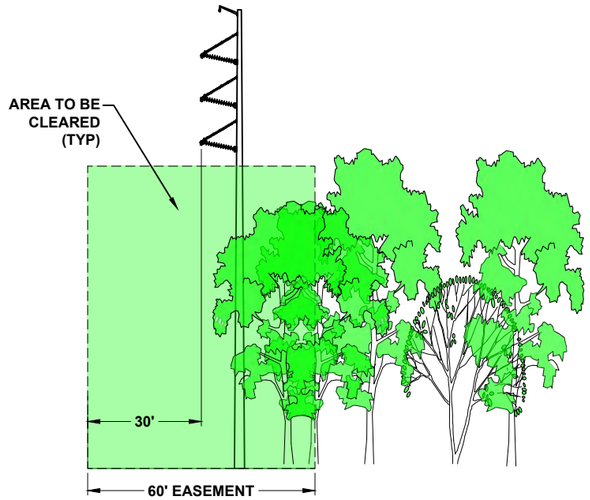
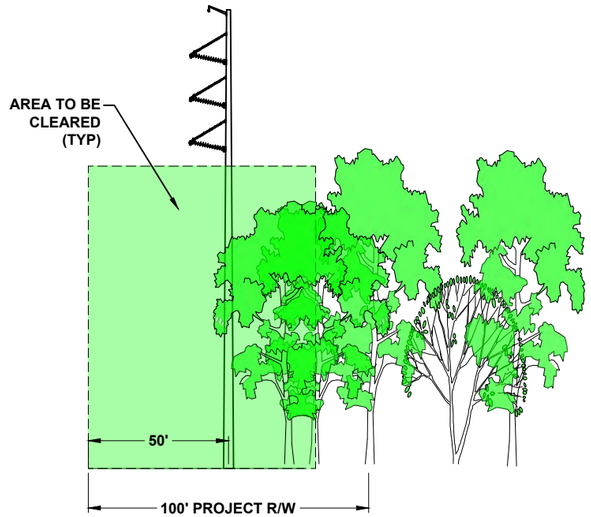


TYPICAL 60' EASEMENT



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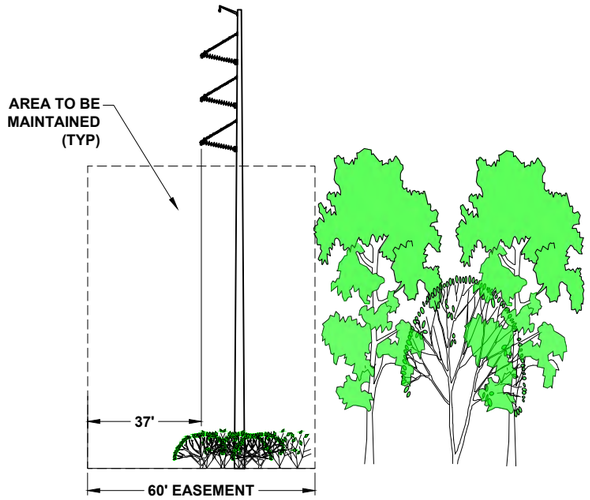

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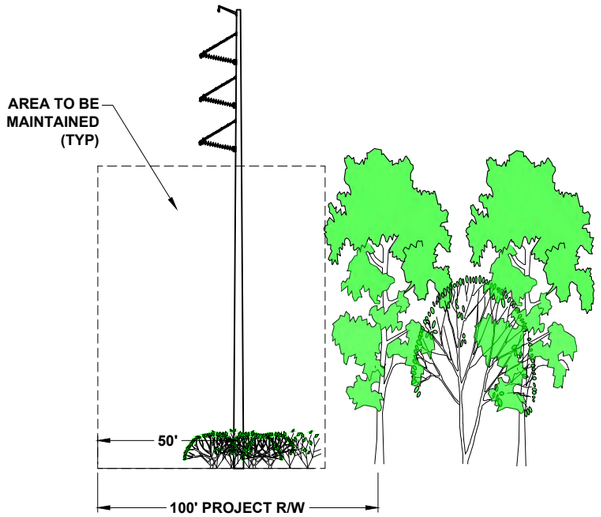

TYPICAL 100' EASEMENT

REV	DATE	DESCRIPTION	BY	CKD	APP
0	8/29/2023	ISSUED FOR PERMIT SUBMITTAL	ANG	BJW	BJW

FLORIDA POWER & LIGHT COMPANY

Sweatt-Whidden TLSA Project, TA22-19

SCALE: NTS
DRAWN BY: ANG
ENGINEER: MKL
COUNTY: OKEECHOBEE
SHEET 7 OF 8

DATE: 8/29/2023
CHECKED BY: BJW
SECTION: AS SHOWN

FPL

TYPICAL RIGHT-OF-WAY MAINTENANCE

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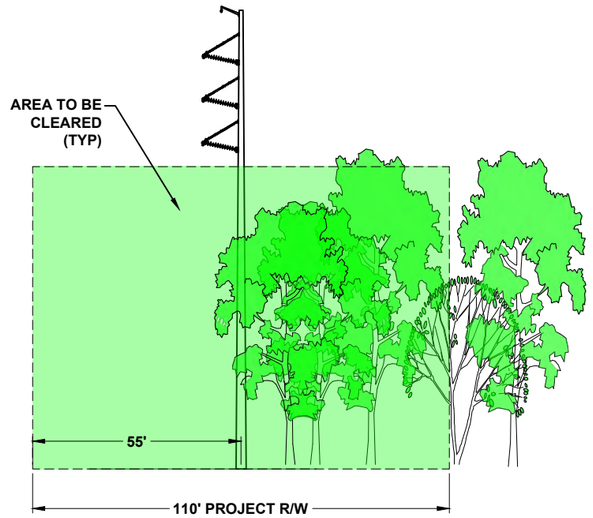
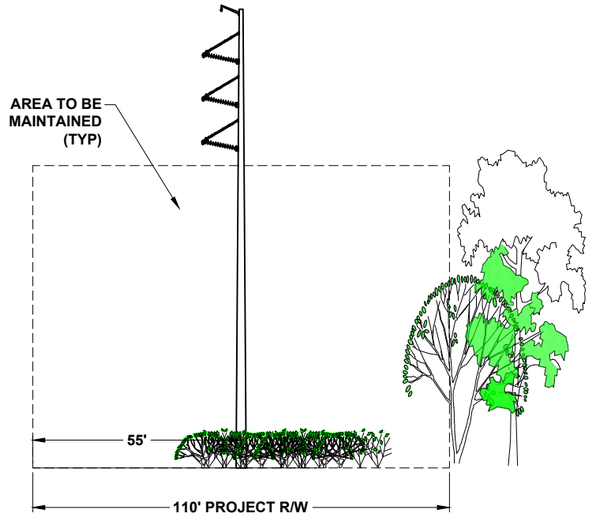


TYPICAL 110' EASEMENT



TYPICAL 110' EASEMENT

REV	DATE	DESCRIPTION	BY	CKD	APP
0	8/29/2023	ISSUED FOR PERMIT SUBMITTAL	ANG	BJW	BJW

FLORIDA POWER & LIGHT COMPANY — **Sweatt-Whidden TLSA Project, TA22-19**

SCALE: NTS
DRAWN BY: ANG
ENGINEER: MKL
COUNTY: OKEECHOBEE
SHEET 8 OF 8

DATE: 8/29/2023
CHECKED BY: BJW
SECTION: AS SHOWN

FPL

TYPICAL RIGHT-OF-WAY MAINTENANCE

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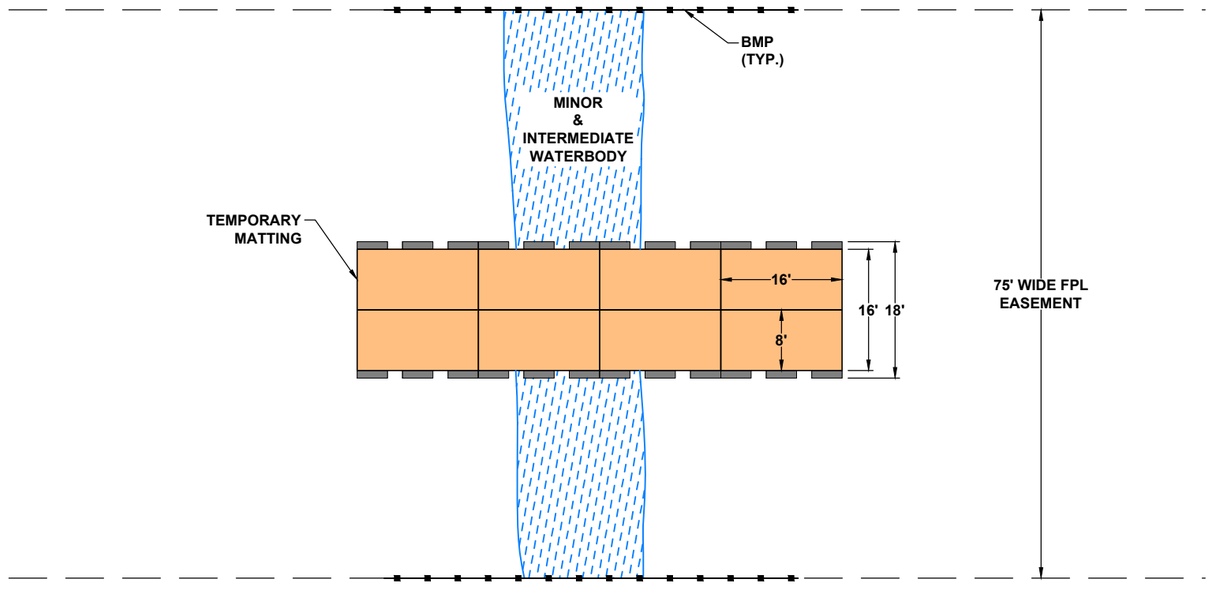
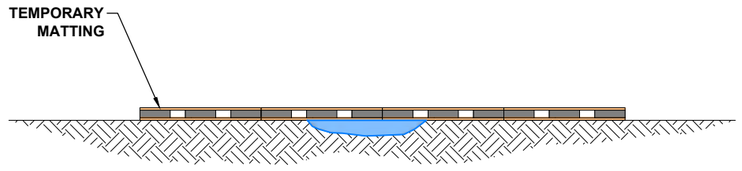


PLAN VIEW



PROFILE VIEW

REV	DATE	DESCRIPTION	BY	CKD	APP
0	8/29/2023	ISSUED FOR PERMIT SUBMITTAL	ANG	BJW	BJW

FLORIDA POWER & LIGHT COMPANY

Sweatt-Whidden TLSA Project, TA22-19

SCALE: NTS
DRAWN BY: ANG
ENGINEER: MKL
COUNTY: OKEECHOBEE
SHEET 1 OF 1

DATE: 8/29/2023
CHECKED BY: BJW
SECTION: AS SHOWN

NON-FLOWING WATERBODY CROSSING

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Attachment 6A Project Description and Construction Methods

Attachment 6A – Project Description

Florida Power & Light Company (FPL) is proposing to construct a new 230-kilovolt (kV) transmission line, Sweatt-Whidden (Project), which is scheduled to be in service by December 2025. The Project will extend approximately 80.5 miles traversing through multiple counties in a combination of existing and new rights-of-way. The Project originates at FPL's existing Sweatt substation located in Okeechobee County and terminates at FPL's existing Whidden substation located in DeSoto County. Substations are not part of the certified project and improvements to the substations are not included in this submittal.

The project will increase the capacity and reliability of the existing transmission network in the central Florida area in a manner consistent with North American Electric Reliability Corporation and other applicable transmission system standards. The Project will consist of a single-circuit, 230-kV transmission line extending from FPL's existing Whidden substation in DeSoto County, Florida, to the existing FPL Sweatt substation in Okeechobee County, Florida (Figure 1-3). Several sections may involve rebuilding existing utility (transmission and/or distribution) lines within existing utility corridors to accommodate the new circuit where practicable. Additional agreements, easements, or special use and/or right-of-way use may be required in these areas. Other areas will require new easements for the placement of transmission facilities.

The scope of this submittal includes construction of Segment 3 of the new transmission line extending from Glades Electric Cooperative's Morris substation (to be renamed Waterway) in Highlands County to the existing FPL Dorr Field substation in DeSoto County, Florida. This is the third segment of the larger project that will traverse through three Florida counties: Okeechobee, Highlands, and DeSoto. See Attachment 1 for an overview map depicting the four project segments.

Impacts to wetlands will be minimized by selective pole placement and the minimization of access roads. No new permanent roads are anticipated for this project.

PROJECT PURPOSE AND NEED

The need for the Project is based on the following considerations:

- Improvement of reliability for FPL customers served from the existing 69-kV circuit between Okeechobee and Whidden substations;
- Establishment of an additional transmission path to increase east-to-west power transfer capabilities; and
- Mitigation of potential overloads and low voltage conditions under contingency events.

The Project will efficiently and effectively meet this need by improving reliability for FPL customers currently served from the existing 69-kV circuit between Okeechobee and Whidden substations; increasing east-to-west power transfer capabilities of the transmission network by providing a resilient, hardened 230-kV circuit between the east and west areas of FPL's territory north of Lake Okeechobee; relieving potential overloads and low voltage conditions under contingency events; and reducing line loading on existing transmission circuits.

FPL evaluated multiple transmission alternatives for meeting this identified need, which resulted in the selection of the Project. The Project presents the best alternative, taking into account the demand for electricity, enhancing electric system reliability and integrity, and addressing the need for abundant, low-cost electrical energy to assure the economic well-being of the citizens of this state. Furthermore, the Project meets area load requirements by serving potential future industrial, commercial, and residential load, while maximizing system reliability and minimizing cost to customers.

PROJECT LOCATION

The entire project is approximately 80.5 miles in length and traverses portions of three Florida counties: Okeechobee, Highlands, and DeSoto. Segment 3 is specific to the central 37 miles of the project, in Highlands and DeSoto counties, between the Morris/Waterway and Dorr Field substations. Attachments 1, 2 and 16 provide the project location map, Section-Township-Range map, and Route of Line maps, respectively.

PROJECT FACILITIES

The Project will be constructed using monopole, self-supported structures. Where engineering considerations require, the poles may require guy wires. Structures will either be spun concrete or steel. The aerial overhead transmission line will have three phases and an /overhead ground wire. Construction of Segment 3 will involve the rebuilding/ replacement of existing distribution structures, and in some sections, distribution underbuilt facilities will be attached to the new structures.

For the purpose of both construction and maintenance, both temporary and permanent easements may be required although much of the project will involve replacing structures within existing FPL easement. Transmission poles to construct this Project will vary in height from 75 to 110 feet above ground height, typically. Poles will be approximately 3 to 4 feet in diameter, and foundations will be either direct embedded or augered, cast-in-place concrete varying in width from 4 to 8 feet for steel structures. Pole spacing will typically vary from 300 to 750 feet, depending on physical features and site conditions along the right-of-way. See Attachment 6 for typical drawings.

The Project will be built using standard construction techniques. Existing paved and unpaved access roads will be utilized for construction and maintenance of the Project to the extent practicable. Based on their condition, some improvements to these existing access roads may be required.

Both temporary and permanent easements may be acquired for both construction and maintenance access purposes. It is anticipated for Segment 3, most construction access will be from existing easement and road rights-of-way where matting will be used temporarily. See Attachments 6 and 16 for typical drawings and route of line/civil drawings, respectively.

Permanent patrol roads will not be constructed. However, both temporary and permanent easements along the road rights-of-way are being acquired for both construction and maintenance purposes. The width and length of off-road right-of-way access points will vary as needed,

depending on site-specific locations and landowner negotiations. Substation expansions will be permitted outside of this process and are not included in this submittal.

DESIGN CODES AND STANDARDS

The primary code used in design of transmission lines is the National Electrical Safety Code (NESC), 2017 Edition. The NESC is an American National Standards Institute standard that covers electrical clearances and loading and strength requirements, including extreme wind. Codes and standards of other agencies and standard organizations that provide rules, guidelines, and conditions for particulars not specified by NESC but used to design and construct proposed transmission lines include the following:

- Occupational Safety and Health Administration rules, which provide requirements for safe minimum approach distances during construction;
- American Society of Civil Engineers Manual of Practice No. 74, Guidelines for Electrical Transmission Line Structural Loading, 2009, and Standard No. 048 11, Design of Steel Transmission Pole Structures, if using steel structures;
- Federal Aviation Administration guidelines (Title 14, Part 77, Code of Federal Regulation), which cover requirements in the vicinity of airports, if applicable;
- Florida Department of Environmental Protection regulations for electric and magnetic fields from electrical transmission lines under the provisions of Sections 403.061(30) and 403.523(14), Florida Statutes (The pertinent rule is 62-814, Florida Administrative Code. No permit is issued; however, utility companies can demonstrate compliance with the regulations with monitoring.); and
- Florida Department of Transportation 2017 Utility Accommodation Manual.

These codes, guidelines, and standards provide design parameters with the goal of protecting public safety.

CONSTRUCTION OF THE FACILITIES

General Construction Description

The Project will not construct new permanent roads but will instead utilize roadless construction techniques to minimize impacts to wetland features. Permanent impacts will be limited to the footprint of the transmission line structures, and selection of those pole placement locations has been planned to avoid or minimize impacts to wetlands and water bodies to the extent practicable. Temporary impacts to wetlands will be restricted to areas where access or construction workspace is needed. Matting will be used to protect wetlands where impacts cannot be avoided. The route of line/civil drawings (Attachment 16) depict where those temporary impacts are expected to occur. Following construction, natural contours will be restored to preconstruction levels. In areas where clearing is required, some forested wetlands will be converted to herbaceous. Those impacts may be found in Attachment 10, Impacts Table and Functional Loss Calculations, and are depicted in Attachment 17, Wetland Impacts Map.

The Project will use a combination of skilled construction personnel. Prior to clearing, survey crews will enter the transmission right-of-way to establish clearing limits followed by clearing crews, which will generally consist of laborers and equipment operators. After clearing is complete, matting will be placed as needed by matting crews. Foundation installation and excavation will be completed by site civil personnel, which, similar to clearing and matting, will consist of laborers and equipment operators. Concrete workers will also be utilized for those structures supported by auger cast foundations. Structure setting, framing, and conductor installation will be performed by experienced transmission line workers, crane operators, and other heavy equipment operators. Clearing crews will be utilized to maintain stormwater pollution prevention plan measures and right-of-way restoration. Continuous oversight of construction operations will be provided by FPL Construction Management, with daily direct supervision of construction (including adherence to safety and environmental requirements) performed by the general contractor's supervisory personnel.

Construction sequencing along several spreads will keep the duration of construction to a minimum and limit the disturbance of the temporary matting. Attachment 6 provides an exhibit on typical matting detail. Once construction is completed, the area will be returned to its original contours.

Best management practices (BMPs) will be implemented during construction to prevent or minimize the release of fluids from construction-related equipment.

Construction Clearing Methods

The work area will be cleared according to area type (i.e., wetland, upland) using the following methods. In general, vegetation removal will occur in the work area to the widths specified on the plans:

- Clearing Within Wetlands—Removal of trees by hand or utilizing low ground pressure equipment to reduce soil compaction and damage to ground cover and mowing of remaining vegetation with a low ground pressure flail or grinder type mower. Removable construction matting in conjunction with BMPs may be used in wetlands to support equipment. Final cut height of tree stumps will be either the top of water or ground surface, whichever is higher. Cut vegetation and woody debris will be removed and resulting ruts will be repaired.

- Mowing Within Wetlands—Shrub vegetation will be mowed to ground surface or top of water, whichever is higher, utilizing a low ground pressure flail or grinder type mower. Woody debris will be removed and resulting ruts will be repaired.

- Clearing Within Uplands—At minimum, all at-grade roads, pads, structure, and guy areas will be grubbed. Remaining tree removal can be grubbed or stumps ground to below ground surface. Remaining shrubs and ground cover can be grubbed or mowed. Disturbed areas will be filled, leveled, and stabilized with seed and mulch. Disturbed slopes will be sodded and staked.

Construction Schedule

The transmission line pre-construction activities in Segment 3 are anticipated to begin in the spring of 2025 and be completed approximately 12 months later.

TLSA Segment 3: Waterway-Dorr Field Schedule

	2025											
Activity	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Vegetation Clearing	1/1				5/1							
Installation and removal of erosion & turbidity control and stabilization	1/1											12/1
Dredging and Filling (Pole Installation)		2/1									11/1	

Access to Right-of-Way

FPL is currently negotiating agreements with landowners for temporary and permanent easements for both construction and maintenance access where needed. No new roads are proposed. For Segment 3: Waterway – Dorr Field, it is anticipated that access will be along existing easement or from road rights-of-way. Improvements for access are expected to be limited to light grading, filling of potholes, and light tree trimming. Matting will be used as needed to address site-specific conditions to be assessed at the time of construction. Attachment 6 provides a typical drawing for site-specific matting.

Operations and Maintenance

Once constructed, the transmission line would be in service continuously for approximately 50 years. Routine inspection/maintenance will be conducted for poles, conductors, vegetation management, and the right-of-way once a year from the ground. Additional inspections may also be conducted by helicopter, or drone, on an as-needed basis.

FPL's vegetation management practices are to use an integrated vegetation management approach to achieve program objectives through:

- Identification of compatible and incompatible vegetation through inspections that occur two times a year.
- Implementation of appropriate control methods to discourage incompatible vegetation.
- Promotion of compatible vegetation.

Control methods are based on environmental impact and anticipated effectiveness, along with site characteristics, security, economics, current land use, and other factors. These methods include, but are not limited to pruning, removal, herbicide application, and mowing. Typical mowing cycles are on a regular maintenance cycle, whereas other work activities are performed as needed.

Attachment 10 Impacts Table and Functional Loss Calculations

Attachment 10 - All Wetland and Surface Waters Impacts (in Project Footprint)

Wetland ID	FLUCFCS	Impact Type	Impact Acreage	Total Wetland Acreage
D-01	512	Temp Impact	0.00	0.16
D-02	512	Temp Impact	0.02	0.04
D-10A	512	Temp Impact	0.05	0.21
D-10B	512	Temp Impact	0.01	0.01
D-100A	512	Temp Impact	0.02	0.02
D-100B	512	Temp Impact	0.68	0.69
D-101A	512	Temp Impact	0.15	0.25
D-101B	512	Temp Impact	0.05	0.05
D-102A	512	Temp Impact	0.02	0.08
D-102B	512	Temp Impact	0.04	0.06
D-103A	512	Temp Impact	0.01	0.02
D-103B	512	Temp Impact	0.01	0.18
D-104A	512	Temp Impact	0.03	0.03
D-104B	512	Temp Impact	0.11	0.11
D-105A	512	Temp Impact	0.00	0.00
D-105B	512	Temp Impact	2.61	3.32
D-106	512	Temp Impact	0.56	0.71
D-108	512	Temp Impact	0.06	0.06
D-11	512	Temp Impact	0.00	0.00
D-110	512	Temp Impact	0.02	0.02
D-112	512	Temp Impact	0.09	0.09
D-116	512	Temp Impact	0.01	0.02
D-12	512	Temp Impact	0.00	0.00
D-13	512	Temp Impact	0.00	0.00
D-139A	512	Temp Impact	0.03	0.03
D-139B	512	Temp Impact	0.02	0.03
D-14	512	Temp Impact	0.01	0.01
D-141	512	Temp Impact	0.17	0.20
D-142	512	Temp Impact	0.05	0.09
D-143	512	Temp Impact	0.03	0.03
D-144	512	Temp Impact	0.03	0.04
D-145	512	Temp Impact	0.04	0.04
D-146	512	Temp Impact	0.01	0.01
D-146	512	Temp Impact	0.01	0.01
D-147	512	Temp Impact	0.02	0.02
D-148	512	Temp Impact	0.10	0.14
D-15A	512	Temp Impact	0.01	0.01
D-15B	512	Temp Impact	0.13	0.13
D-150	512	Temp Impact	0.86	1.24
D-150	512	Temp Impact	0.64	0.64
D-151	512	Temp Impact	0.00	0.03
D-154	512	Temp Impact	0.13	0.29

Wetland ID	FLUCFCS	Impact Type	Impact Acreage	Total Wetland Acreage
D-155	512	Temp Impact	1.34	1.34
D-157	512	Temp Impact	0.38	0.38
D-158	512	Temp Impact	0.15	0.19
D-159	512	Temp Impact	0.05	0.05
D-16	512	Temp Impact	0.02	0.02
D-164	512	Temp Impact	0.01	0.01
D-166	512	Temp Impact	0.05	0.44
D-17	512	Temp Impact	0.13	0.13
D-173	512	Temp Impact	0.08	0.08
D-174	512	Temp Impact	0.08	0.08
D-175	512	Temp Impact	0.30	0.32
D-177	512	Temp Impact	0.99	0.99
D-178A	512	Temp Impact	0.08	0.08
D-178B	512	Temp Impact	0.83	0.83
D-18	512	Temp Impact	0.04	0.04
D-180	512	Temp Impact	0.30	0.30
D-181	512	Temp Impact	0.39	0.39
D-182	512	Temp Impact	0.39	0.39
D-184	512	Temp Impact	0.31	0.31
D-185	512	Temp Impact	0.37	0.37
D-187A	512	Temp Impact	0.12	0.12
D-187B	512	Temp Impact	0.14	0.14
D-187C	512	Temp Impact	0.03	0.03
D-188A	512	Temp Impact	0.24	0.24
D-188B	512	Temp Impact	0.04	0.04
D-189	512	Temp Impact	0.12	0.12
D-19	512	Temp Impact	0.00	0.00
D-191	512	Temp Impact	0.08	0.08
D-192	512	Temp Impact	0.24	0.24
D-193	510	Temp Impact	0.00	0.03
D-194	510	Temp Impact	0.06	0.06
D-195	512	Temp Impact	0.24	0.24
D-197	512	Temp Impact	0.13	0.13
D-2	512	Temp Impact	0.05	0.05
D-20	512	Temp Impact	0.02	0.05
D-200	512	Temp Impact	0.14	0.14
D-201	512	Temp Impact	0.00	0.00
D-202	512	Temp Impact	0.15	0.15
D-203A	512	Temp Impact	0.06	0.06
D-203B	512	Temp Impact	0.04	0.06
D-21A	512	Temp Impact	0.83	1.39
D-21B	512	Temp Impact	0.02	0.02
D-22A	512	Temp Impact	0.06	0.10
D-22B	512	Temp Impact	0.05	0.06

Wetland ID	FLUCFCS	Impact Type	Impact Acreage	Total Wetland Acreage
D-23A	512	Temp Impact	0.09	5.16
D-23B	512	Temp Impact	0.24	0.71
D-24	512	Temp Impact	0.78	2.45
D-25B	512	Temp Impact	1.16	2.94
D-25C	512	Temp Impact	0.20	0.27
D-25A	512	Temp Impact	0.00	3.49
D-26	512	Temp Impact	0.81	2.47
D-27B	512	Temp Impact	0.50	2.21
D-27C	512	Temp Impact	0.00	0.04
D-272	512	Temp Impact	0.18	0.18
D-27A	512	Temp Impact	0.01	3.12
D-28A	512	Temp Impact	0.12	0.18
D-28B	512	Temp Impact	0.04	0.04
D-3A	512	Temp Impact	0.00	0.00
D-3B	512	Temp Impact	0.07	0.07
D-3C	512	Temp Impact	0.02	0.02
D-30A	512	Temp Impact	0.02	2.10
D-30B	512	Temp Impact	0.12	0.12
D-31A	512	Temp Impact	0.06	2.08
D-31B	512	Temp Impact	0.15	0.21
D-32	512	Temp Impact	0.33	0.33
D-33	512	Temp Impact	0.10	0.25
D-34	512	Temp Impact	0.17	0.30
D-4	512	Temp Impact	0.00	0.05
D-5A	512	Temp Impact	0.18	0.20
D-5B	512	Temp Impact	0.31	0.31
D-6A	512	Temp Impact	0.02	0.03
D-6B	512	Temp Impact	0.05	0.06
D-7A	512	Temp Impact	0.05	0.26
D-7B	512	Temp Impact	0.10	0.10
D-77B	512	Temp Impact	0.02	0.12
D-77A	512	Temp Impact	0.03	0.10
D-79	512	Temp Impact	0.04	1.00
D-8	512	Temp Impact	0.03	0.14
D-83	512	Temp Impact	0.02	0.03
D-86	512	Temp Impact	0.06	0.06
D-87	512	Temp Impact	0.02	0.02
D-88	512	Temp Impact	0.00	0.01
D-89	512	Temp Impact	0.06	0.34
D-9	512	Temp Impact	0.10	0.18
D-90A	512	Temp Impact	0.00	0.41
D-90B	512	Temp Impact	0.09	0.09
D-91	512	Temp Impact	0.12	0.19
D-92A	512	Temp Impact	0.05	0.40

Wetland ID	FLUCFCS	Impact Type	Impact Acreage	Total Wetland Acreage
D-92B	512	Temp Impact	1.78	2.00
D-94	512	Temp Impact	0.01	0.04
D-95	512	Temp Impact	0.01	0.05
D-96A	512	Temp Impact	0.02	0.02
D-96B	512	Temp Impact	0.01	0.02
D-97	512	Temp Impact	0.01	0.11
D-98A	512	Temp Impact	0.04	0.04
D-98B	512	Temp Impact	0.00	0.00
D-99A	512	Temp Impact	0.02	0.02
D-99B	512	Temp Impact	0.03	0.03
S-91	510	Temp Impact	0.29	2.80
SW-176	510	Temp Impact	0.15	0.17
SW-179	510	Temp Impact	0.09	0.10
SW-190	510	Temp Impact	0.13	0.16
SW-20	510	Temp Impact	0.21	0.49
SW-28	523	Temp Impact	0.11	1.06
SW-4	510	Temp Impact	0.06	0.21
SW-78	524	Temp Impact	0.02	0.02
SW-89	524	Temp Impact	0.13	0.16
WB-78	524	Temp Impact	0.07	0.08
DW-1	512	Temp Impact	0.17	2.37
DW-2	641	Temp Impact	0.22	1.71
DW-5	641	Temp Impact	0.39	0.55
DW-6	641	Temp Impact	0.07	0.49
DW-8	641	Temp Impact	0.07	0.32
DW-9	512	Temp Impact	0.01	0.03
DW-11	630	Perm Conversion	0.01	1.54
DW-12	641	Perm Maintained	0.06	3.44
W-1	641	Temp Impact	0.26	0.30
W-1	641	Structure Fill	0.001154	
W-11	641	Temp Impact	1.64	13.90
W-11	641	Perm Maintained	0.61	
W-111	619	Temp Impact	0.02	0.20
W-111	619	Perm Conversion	0.13	
W-112	641	Temp Impact	0.36	0.38
W-112	641	Structure Fill	0.001154	
W-113	619	Temp Impact	0.02	0.03
W-114	619	Temp Impact	0.89	1.13
W-114	619	Structure Fill	0.001154	
W-115	641	Temp Impact	0.41	0.43
W-115	641	Structure Fill	0.001154	
W-118	641	Temp Impact	0.02	0.02
W-12	630	Temp Impact	2.43	4.67
W-12	630	Structure Fill	0.001154	

Wetland ID	FLUCFCS	Impact Type	Impact Acreage	Total Wetland Acreage
W-12	630	Structure Fill	0.001154	
W-124	641	Temp Impact	0.68	0.82
W-124	641	Structure Fill	0.001154	
W-125	631	Temp Impact	0.05	0.83
W-125A	641	Temp Impact	0.17	1.67
W-126	641	Temp Impact	0.04	0.08
W-127	641	Temp Impact	0.34	0.51
W-128	641	Temp Impact	0.13	0.19
W-129	619	Temp Impact	0.18	0.31
W-13	641	Temp Impact	3.15	6.21
W-13	641	Structure Fill	0.001154	
W-13	641	Structure Fill	0.001154	
W-13	641	Structure Fill	0.001154	
W-13	641	Structure Fill	0.001154	
W-136	631	Temp Impact	0.69	3.89
W-137	631	Temp Impact	0.40	3.39
W-14	641	Temp Impact	0.07	0.08
W-140	641	Temp Impact	0.18	2.01
W-140	630	Temp Impact	0.06	
W-149	641	Temp Impact	1.43	2.02
W-15	641	Temp Impact	0.05	0.05
W-152	641	Temp Impact	0.14	0.28
W-153	641	Temp Impact	0.19	0.43
W-156	641	Temp Impact	0.04	0.04
W-16	641	Temp Impact	0.01	0.01
W-160	641	Temp Impact	0.01	0.28
W-161	641	Temp Impact	0.11	1.61
W-165	641	Temp Impact	0.42	1.16
W-165	641	Perm Maintained	0.71	
W-165	641	Structure Fill	0.001154	
W-165	641	Structure Fill	0.001154	
W-165	641	Structure Fill	0.001154	
W-17	641	Temp Impact	0.03	0.04
W-172	641	Temp Impact	1.00	3.01
W-172	641	Perm Maintained	1.35	
W-172	641	Structure Fill	0.001154	
W-172	641	Structure Fill	0.001154	
W-172	641	Structure Fill	0.001154	
W-172	641	Structure Fill	0.001154	
W-186	641	Temp Impact	0.11	0.29
W-186	641	Perm Maintained	0.14	
W-186	641	Structure Fill	0.001154	
W-18A	641	Temp Impact	2.08	2.55
W-18A	641	Structure Fill	0.001154	

Wetland ID	FLUCFCS	Impact Type	Impact Acreage	Total Wetland Acreage
W-18A	641	Structure Fill	0.001154	
W-18B	641	Temp Impact	1.15	1.48
W-18B	641	Structure Fill	0.001154	
W-18B	641	Structure Fill	0.001154	
W-19	630	Temp Impact	0.76	0.77
W-19	630	Structure Fill	0.001154	
W-196	641	Temp Impact	0.19	0.35
W-196	641	Perm Maintained	0.16	
W-198	641	Temp Impact	0.04	0.12
W-198	641	Perm Maintained	0.06	
W-199	641	Temp Impact	0.03	0.12
W-199	641	Perm Maintained	0.04	
W-2	641	Temp Impact	0.04	0.06
W-205	641	Temp Impact	0.05	0.14
W-205	641	Perm Maintained	0.09	
W-273	610	Temp Impact	0.38	0.83
W-273	610	Perm Conversion	0.23	
W-273	610	Structure Fill	0.001154	
W-273	610	Structure Fill	0.001154	
W-274	610	Temp Impact	0.39	2.27
W-274	610	Perm Conversion	0.25	
W-274	610	Structure Fill	0.001154	
W-274	610	Structure Fill	0.001154	
W-275	610	Temp Impact	0.39	1.41
W-275	610	Perm Conversion	0.30	
W-275	610	Structure Fill	0.001154	
W-275	610	Structure Fill	0.001154	
W-3	641	Temp Impact	0.52	0.56
W-3	641	Structure Fill	0.001154	
W-4	641	Temp Impact	0.60	1.01
W-4	641	Perm Maintained	0.15	
W-4	641	Structure Fill	0.001154	
W-80	641	Temp Impact	0.09	0.09
W-81	641	Temp Impact	0.03	0.08
W-82	641	Temp Impact	0.06	0.07
W-84	641	Temp Impact	0.12	0.15
W-85	641	Temp Impact	0.12	0.19
Total			53.75	132.75

Red Text Indicates NWI Desktopped Data

Project Footprint includes both Temporary Workspace plus Narrowed Corridor (eventual ROW)

Attachment 10 - Forested Wetland Impacts (Permanently Maintained/Permanent Conversion)

		Existing Conditions (Pre-Project)						With Project						
Wetland ID	**FLUCFCS**	**Location Landscape Support**	**Water Environment**	**Community Structure**	**Current UMAM**	**Conversion Acreage within Permanently Maintained Footprint**		**Location Landscape Support ****	**Water Environment**	**Community Structure**	**UMAM**	**Delta**	**Functional Loss**	**Time Lag**
W-111	619	3	3	4	0.33	0.13		2	3	2	0.233	0.097	0.0130	1.0
W-273	610	4	6	7	0.56	0.23		3	6	3	0.400	0.160	0.0362	1.0
W-274	610	4	6	7	0.56	0.25		3	6	3	0.400	0.160	0.0401	1.0
W-275	610	4	6	7	0.56	0.29		3	6	3	0.400	0.160	0.0471	1.0
NWI: DW-11	630	3	6	6	0.56	0.01		2	6	3	0.367	0.193	0.0010	1.0
						0.91							**0.1374**	

** With Project Location and Landscape scores were reduced by 1 in areas where project is collocated along existing fences and impervious surfaces that currently pose barriers to wildlife.

Red Text Indicates NWI Desktopped Data

Attachment 10 - Forested Wetlands - Temporary Construction Impacts

						Existing Conditions (Pre-Project)								
Wetland ID	**FLUCFCS**	**Location Landscape Support**	**Water Environment**	**Community Structure**	**Current UMAM**	**Acreage Impacted outside Permanently Maintained Footprint**		**Location Landscape Support ***	**Water Environment**	**Community Structure**	**UMAM Post Construction**	**Delta**	**Time Lag ****	**Functional Loss**
W-12	630	3	6	6	0.50	2.42		2	6	3	0.367	0.13	1.46	0.472
W-19	630	3	6	6	0.50	0.76		2	6	3	0.367	0.13	1.46	0.15
W-111	619	3	3	4	0.33	0.02		2	3	3	0.267	0.07	1.46	0.00
W-113	619	3	3	4	0.33	0.02		2	3	3	0.267	0.07	1.46	0.00
W-114	619	3	3	4	0.33	0.88		2	3	3	0.267	0.07	1.46	0.09
W-125	631	3	3	3	0.30	0.05		2	3	3	0.267	0.03	1.46	0.00
W-129	619	3	3	4	0.33	0.18		2	3	3	0.267	0.07	1.46	0.02
W-136	631	3	3	3	0.30	0.69		2	3	3	0.267	0.03	1.46	0.03
W-137	631	3	3	3	0.30	0.40		2	3	3	0.267	0.03	1.46	0.02
W-140	630	3	4	6	0.43	0.06		2	4	3	0.300	0.13	1.46	0.01
W-273	610	4	6	7	0.57	0.38		3	6	3	0.400	0.17	1.46	0.09
W-274	610	4	6	7	0.57	0.39		3	6	3	0.400	0.17	1.46	0.09
W-275	610	4	6	7	0.57	0.39		3	6	3	0.400	0.17	1.46	0.09
						6.65								**1.08**

Red Text Indicates NWI Desktopped Data

* With Project Location and Landscape scores were reduced by 1 in areas where project is collocated along existing fences and impervious surfaces that currently pose barriers to wildlife.

** Assumes Time Lag of 1.46 for 15 years estimated for reestablishment of reduced forested wetland function.

Assumes Risk Factor of 1 (*de minimis*)

Attachment 10 - Non-Forested Wetland Impacts (Temporary Impacts and Permanently Maintained)

Name	FLUCCS	Impact Type	UMAM	Impact Acres	Subtracted Pole Impact (ac.)
W-1	641	Temp Impact	0.26	0.26	0.26
W-2	641	Temp Impact	0.30	0.04	0.04
W-3	641	Temp Impact	0.37	0.52	0.52
W-4	641	Temp Impact	0.37	0.60	0.60
W-11	641	Temp Impact	0.37	1.64	1.64
W-13	641	Temp Impact	0.26	3.15	3.15
W-81	641	Temp Impact	0.30	0.03	0.03
W-80	641	Temp Impact	0.33	0.09	0.09
W-82	641	Temp Impact	0.33	0.06	0.06
W-84	641	Temp Impact	0.30	0.12	0.12
W-85	641	Temp Impact	0.30	0.12	0.12
W-14	641	Temp Impact	0.26	0.07	0.07
W-15	641	Temp Impact	0.30	0.05	0.05
W-16	641	Temp Impact	0.30	0.01	0.01
W-18A	641	Temp Impact	0.33	2.08	2.08
W-18B	641	Temp Impact	0.33	1.15	1.15
W-118	641	Temp Impact	0.30	0.02	0.02
W-126	641	Temp Impact	0.23	0.04	0.04
W-127	641	Temp Impact	0.30	0.34	0.34
W-128	641	Temp Impact	0.23	0.13	0.13
W-112	641	Temp Impact	0.26	0.36	0.35
W-115	641	Temp Impact	0.37	0.41	0.41
W-124	641	Temp Impact	0.37	0.68	0.68
W-125A	641	Temp Impact	0.37	0.17	0.17
W-165	641	Temp Impact	0.23	0.42	0.42
W-161	641	Temp Impact	0.37	0.11	0.11
W-160	641	Temp Impact	0.33	0.01	0.01
W-140	641	Temp Impact	0.33	0.18	0.18
W-149	641	Temp Impact	0.33	1.43	1.43
W-152	641	Temp Impact	0.37	0.14	0.14
W-153	641	Temp Impact	0.26	0.19	0.19
W-17	641	Temp Impact	0.23	0.03	0.03
W-172	641	Temp Impact	0.33	1.00	1.00
W-196	641	Temp Impact	0.26	0.19	0.19
W-156	641	Temp Impact	0.30	0.04	0.04
W-186	641	Temp Impact	0.30	0.11	0.11
W-199	641	Temp Impact	0.23	0.03	0.03
W-205	641	Temp Impact	0.30	0.05	0.05
W-198	641	Temp Impact	0.23	0.04	0.04
W-4	641	Perm Maintained	0.37	0.15	0.15
W-11	641	Perm Maintained	0.37	0.61	0.61
W-165	641	Perm Maintained	0.23	0.71	0.71
W-172	641	Perm Maintained	0.33	1.35	1.34
W-196	641	Perm Maintained	0.26	0.16	0.16
W-186	641	Perm Maintained	0.30	0.14	0.14
W-199	641	Perm Maintained	0.23	0.04	0.04
W-205	641	Perm Maintained	0.30	0.09	0.09
W-198	641	Perm Maintained	0.23	0.06	0.06
NWI: DW-2	641	Temp Impact		0.22	0.22
NWI: DW-5	641	Temp Impact		0.39	0.39
NWI: DW-6	641	Temp Impact		0.07	0.07
NWI: DW-8	641	Temp Impact		0.07	0.07
NWI: DW-12	641	Perm Maintained		0.06	0.06
Total				20.23	**20.20**

Red Text Indicates NWI Desktopped Data

Attachment 10 - Forested and Non-forested Wetlands (Permanent Fill Impacts)

			Existing Conditions (Pre-Project)				With Project	
Wetland/ Waterbody Type	**Impact**	**Wetland/ Waterbody ID**	**FLUCFCS**	**County**	**UMAM**	**Permanent Fill within Permanently Maintained Footprint (acres)**	**Permanent Fill (Rounded)**	**Functional Loss**
Wetland	perm fill	W-273	610	Highlands	0.5667	0.001154	0.00	0.00
Wetland	perm fill	W-273	610	Highlands	0.5667	0.001154	0.00	0.00
Wetland	perm fill	W-274	610	Highlands	0.5667	0.001154	0.00	0.00
Wetland	perm fill	W-274	610	Highlands	0.5667	0.001154	0.00	0.00
Wetland	perm fill	W-275	610	Highlands	0.5667	0.001154	0.00	0.00
Wetland	perm fill	W-275	610	Highlands	0.5667	0.001154	0.00	0.00
Wetland	perm fill	W-114	619	Highlands	0.333	0.001154	0.00	0.00
Wetland	perm fill	W-12	630	Highlands	0.500	0.001154	0.00	0.00
Wetland	perm fill	W-12	630	Highlands	0.500	0.001154	0.00	0.00
Wetland	perm fill	W-19	630	Highlands	0.500	0.001154	0.00	0.00
Wetland	perm fill	W-1	641	Highlands	0.2667	0.001154	0.00	0.00
Wetland	perm fill	W-3	641	Highlands	0.3667	0.001154	0.00	0.00
Wetland	perm fill	W-4	641	Highlands	0.3667	0.001154	0.00	0.00
Wetland	perm fill	W-13	641	Highlands	0.2667	0.001154	0.00	0.00
Wetland	perm fill	W-13	641	Highlands	0.2667	0.001154	0.00	0.00
Wetland	perm fill	W-13	641	Highlands	0.2667	0.001154	0.00	0.00
Wetland	perm fill	W-13	641	Highlands	0.2667	0.001154	0.00	0.00
Wetland	perm fill	W-18A	641	Highlands	0.3333	0.001154	0.00	0.00
Wetland	perm fill	W-18A	641	Highlands	0.3333	0.001154	0.00	0.00
Wetland	perm fill	W-18B	641	Highlands	0.3333	0.001154	0.00	0.00
Wetland	perm fill	W-18B	641	Highlands	0.3333	0.001154	0.00	0.00
Wetland	perm fill	W-112	641	Highlands	0.2667	0.001154	0.00	0.00
Wetland	perm fill	W-115	641	Highlands	0.3667	0.001154	0.00	0.00
Wetland	perm fill	W-124	641	Highlands	0.3333	0.001154	0.00	0.00
Wetland	perm fill	W-165	641	Highlands	0.2333	0.001154	0.00	0.00
Wetland	perm fill	W-165	641	Highlands	0.2333	0.001154	0.00	0.00
Wetland	perm fill	W-165	641	Highlands	0.2333	0.001154	0.00	0.00
Wetland	perm fill	W-172	641	DeSoto	0.3333	0.001154	0.00	0.00
Wetland	perm fill	W-172	641	DeSoto	0.3333	0.001154	0.00	0.00
Wetland	perm fill	W-172	641	DeSoto	0.3333	0.001154	0.00	0.00
Wetland	perm fill	W-172	641	DeSoto	0.3333	0.001154	0.00	0.00
Wetland	perm fill	W-186	641	DeSoto	0.2667	0.001154	0.00	0.00
Total						**0.036928**	0.04	**0.04**

Transmission line structures = 0.001154 acre impact

Attachment 10 - Surface Water Impacts (Temporary Impacts)

Name	Impact Type	FLUCCS	Impact Acres
D-01	Temp Impact	512	0.00
D-02	Temp Impact	512	0.02
D-100A	Temp Impact	512	0.02
D-100B	Temp Impact	512	0.68
D-101A	Temp Impact	512	0.15
D-101B	Temp Impact	512	0.05
D-102A	Temp Impact	512	0.02
D-102B	Temp Impact	512	0.04
D-103A	Temp Impact	512	0.01
D-103B	Temp Impact	512	0.01
D-104A	Temp Impact	512	0.03
D-104B	Temp Impact	512	0.11
D-105A	Temp Impact	512	0.00
D-105B	Temp Impact	512	2.61
D-106	Temp Impact	512	0.56
D-108	Temp Impact	512	0.06
D-10A	Temp Impact	512	0.05
D-10B	Temp Impact	512	0.01
D-11	Temp Impact	512	0.00
D-110	Temp Impact	512	0.02
D-112	Temp Impact	512	0.09
D-116	Temp Impact	512	0.01
D-12	Temp Impact	512	0.00
D-13	Temp Impact	512	0.00
D-139A	Temp Impact	512	0.03
D-139B	Temp Impact	512	0.02
D-14	Temp Impact	512	0.01
D-141	Temp Impact	512	0.17
D-142	Temp Impact	512	0.05
D-143	Temp Impact	512	0.03
D-144	Temp Impact	512	0.03
D-145	Temp Impact	512	0.04
D-146A	Temp Impact	512	0.01
D-146B	Temp Impact	512	0.01
D-147	Temp Impact	512	0.02
D-148	Temp Impact	512	0.10
D-150A	Temp Impact	512	0.01
D-150B	Temp Impact	512	0.13
D-151	Temp Impact	512	0.86
D-154	Temp Impact	512	0.64
D-155	Temp Impact	512	0.00
D-157	Temp Impact	512	0.13
D-158	Temp Impact	512	1.34
D-159	Temp Impact	512	0.38
D-15A	Temp Impact	512	0.15
D-15B	Temp Impact	512	0.05
D-16	Temp Impact	512	0.02
D-164	Temp Impact	512	0.01
D-166	Temp Impact	512	0.05
D-17	Temp Impact	512	0.13
D-173	Temp Impact	512	0.08
D-174	Temp Impact	512	0.08
D-175	Temp Impact	512	0.30
D-177	Temp Impact	512	0.99
D-178A	Temp Impact	512	0.08
D-178B	Temp Impact	512	0.83

Attachment 10 - Surface Water Impacts (Temporary Impacts)

Name	Impact Type	FLUCCS	Impact Acres
D-18	Temp Impact	512	0.04
D-180	Temp Impact	512	0.30
D-181	Temp Impact	512	0.39
D-182	Temp Impact	512	0.39
D-184	Temp Impact	512	0.31
D-185	Temp Impact	512	0.37
D-187A	Temp Impact	512	0.12
D-187B	Temp Impact	512	0.14
D-187C	Temp Impact	512	0.03
D-188A	Temp Impact	512	0.24
D-188B	Temp Impact	512	0.04
D-189	Temp Impact	512	0.12
D-19	Temp Impact	512	0.00
D-191	Temp Impact	512	0.08
D-192	Temp Impact	512	0.24
D-193	Temp Impact	510	0.00
D-194	Temp Impact	510	0.06
D-195	Temp Impact	512	0.24
D-197	Temp Impact	512	0.13
D-2	Temp Impact	512	0.05
D-20	Temp Impact	512	0.02
D-200	Temp Impact	512	0.14
D-201	Temp Impact	512	0.00
D-202	Temp Impact	512	0.15
D-203A	Temp Impact	512	0.06
D-203B	Temp Impact	512	0.04
D-21A	Temp Impact	512	0.83
D-21B	Temp Impact	512	0.02
D-22A	Temp Impact	512	0.06
D-22B	Temp Impact	512	0.05
D-23A	Temp Impact	512	0.09
D-23B	Temp Impact	512	0.24
D-24	Temp Impact	512	0.78
D-25A	Temp Impact	512	1.16
D-25B	Temp Impact	512	0.20
D-25C	Temp Impact	512	0.00
D-26	Temp Impact	512	0.81
D-272	Temp Impact	512	0.50
D-27A	Temp Impact	512	0.00
D-27B	Temp Impact	512	0.18
D-27C	Temp Impact	512	0.01
D-28A	Temp Impact	512	0.12
D-28B	Temp Impact	512	0.04
D-30A	Temp Impact	512	0.00
D-30B	Temp Impact	512	0.07
D-31A	Temp Impact	512	0.02
D-31B	Temp Impact	512	0.02
D-32	Temp Impact	512	0.12
D-33	Temp Impact	512	0.06
D-34	Temp Impact	512	0.15
D-3A	Temp Impact	512	0.33
D-3B	Temp Impact	512	0.10
D-3C	Temp Impact	512	0.17
D-4	Temp Impact	512	0.00
D-5A	Temp Impact	512	0.18
D-5B	Temp Impact	512	0.31

Attachment 10 - Surface Water Impacts (Temporary Impacts)

Name	Impact Type	FLUCCS	Impact Acres
D-6A	Temp Impact	512	0.02
D-6B	Temp Impact	512	0.05
D-77A	Temp Impact	512	0.05
D-77B	Temp Impact	512	0.10
D-79	Temp Impact	512	0.02
D-7A	Temp Impact	512	0.03
D-7B	Temp Impact	512	0.04
D-8	Temp Impact	512	0.03
D-83	Temp Impact	512	0.02
D-86	Temp Impact	512	0.06
D-87	Temp Impact	512	0.02
D-88	Temp Impact	512	0.00
D-89	Temp Impact	512	0.06
D-9	Temp Impact	512	0.10
D-90A	Temp Impact	512	0.00
D-90B	Temp Impact	512	0.09
D-91	Temp Impact	512	0.12
D-92A	Temp Impact	512	0.05
D-92B	Temp Impact	512	1.78
D-94	Temp Impact	512	0.01
D-95	Temp Impact	512	0.01
D-96A	Temp Impact	512	0.02
D-96B	Temp Impact	512	0.01
D-97	Temp Impact	512	0.01
D-98A	Temp Impact	512	0.04
D-98B	Temp Impact	512	0.00
D-99A	Temp Impact	512	0.02
D-99B	Temp Impact	512	0.03
S-91	Temp Impact	510	0.29
SW-176	Temp Impact	510	0.15
SW-179	Temp Impact	510	0.09
SW-190	Temp Impact	510	0.13
SW-20	Temp Impact	510	0.21
SW-28	Temp Impact	523	0.11
SW-4	Temp Impact	510	0.06
SW-78	Temp Impact	524	0.02
SW-89	Temp Impact	524	0.13
WB-78	Temp Impact	524	0.07
NWI: DW-1	Temp Impact	512	0.17
NWI: DW-9	Temp Impact	512	0.01
Total			**25.91**

Red Text Indicates NWI Desktopped Data

Attachment 11 Reduction of Impacts Narrative

Attachment 11 — Impacts Assessment/Statement of Avoidance and Minimization

PROPOSED IMPACTS

The Florida Power & Light Company Segment 3: Waterway – Dorr Field transmission project will impact a total of 53.75 acres of wetlands and surface waters. Due to the overhead nature of the project, most of these impacts will be temporary in nature and will result from typical transmission line construction activities, such as vegetation clearing, light raking, temporary construction matting, and ground disturbance from construction vehicles during installation.

For purposes of this application, most impacts are considered temporary unless there will be a permanent change in wetland type, (i.e., permanent conversion of forested wetland to non-forested wetland within the permanent maintenance area or permanent fill resulting from installation of a transmission structure). Impacts to non-forested wetland systems and water bodies are also considered temporary, as they will be restored to preconstruction condition once the transmission line has been installed. Construction and restoration activities in wetlands and water bodies will employ best management practices to minimize impacts to wetlands, such as those found in the exhibits included in Attachments 6, 6A, and 16.

Tables in Attachment 10 summarize the wetland and water body impacts by type and provide the impact type for each wetland and water body within the proposed project impact area.

Attachment 17 depicts the location of the proposed wetland and water body impacts along the proposed transmission alignment.

WETLAND IMPACTS

Temporary Construction Impacts

The project will temporarily impact 26.85 acres of forested and non-forested wetlands. The temporary impacts to non-forested wetlands within the permanently maintained project footprint (approximately 3.35 acres or approximately 12 percent of total wetland impact) are freshwater marshes (641) associated with roadside swales, agricultural fields, or cattle pastures. Approximately 16.85acres of non-forested wetlands outside the permanent project footprint will be temporarily impacted by construction activities. These wetlands are primarily vegetated non-forested wetlands (641) associated with roadside drainages or agricultural pastures.

Approximately 6.65 acres of forested wetland will be temporarily impacted during construction. These are all associated with mixed forested wetlands (630). The temporary construction right-of-way will be restored to its preconstruction contours to avoid long-term impacts to wetland hydrology. Wetland vegetation will re-establish through natural succession once construction and restoration activities are complete. In emergent wetlands, herbaceous vegetation is expected to regenerate quickly (typically within one growing season).

Permanent Fill and Conversion Impacts

The project will result in a permanent fill of 0.037-acre of wetlands where transmission poles will be placed. These impacts were minimized by careful consideration of pole placement to avoid wetlands where practicable. Conversion of approximately 0.91-acre of forested wetland to non-

forested wetlands will occur in forested wetlands that are within the footprint of the permanently maintained right-of-way, which will not be allowed to re-establish as forest after construction, to minimize potential outages caused by trees and limbs interfering with transmission lines. Restricting the clearing footprint where possible within these permanently maintained areas will further reduce the impact acreage. The forested wetland clearing will occur over 37 miles of the proposed Waterway – Dorr Field transmission line, thus the general permit criteria of <0.5-acre of forested wetlands per ten miles of line will be met.

Following construction, these areas will be maintained as emergent or scrub/shrub wetlands, so there will be no net loss of wetlands, but rather a change of wetland type in these areas.

WATER BODY IMPACTS

Most water body impacts are proposed to be temporary in nature and limited to the construction time frame, which is expected to be approximately six months. Each water body crossing will be restored to its preconstruction contour and stabilized to minimize erosion. There will be temporary impacts to several natural streams (aerial crossing) and man-made ditches combined total impact area of approximately 25.91 acres. These crossings will be traversed using matting or temporary bridges (Attachment 6, Typical Drawings). The construction methods will include matting laid in such a way that allows for transverse water flow so as to minimize interruption to the natural water flow paths. Otherwise, the crossings will be overhead with no resulting impacts to water bodies.

ELIMINATION OR REDUCTION OF IMPACTS

Impacts to wetlands and water bodies were eliminated or reduced to the extent practicable by using the following standards:

- Designing a route that will meet project objectives while avoiding and minimizing environmental impacts;
- Locating permanent structures and other project features in uplands;
- Limiting the corridor and construction right-of-way to previously disturbed areas (e.g., electric transmission line corridors, other pipeline corridors, and road and railroad rights-of-way);
- Minimizing impacts to sensitive environmental features by using specialized construction techniques, such as matting and temporary bridges, where appropriate;
- Locating temporary workspaces and access areas within existing utility/transportation corridors or in other upland areas such as existing roads;
- Implementing best management practices and effective soil erosion control measures (e.g., silt fence, straw bales), including routine inspections during construction and until soil stabilization has occurred; and
- Minimizing the construction duration to limit the disturbance to natural resources.

Attachment 12 Fish, Wildlife, Listed Species and Their Habitats

Attachment 12 - Fish, Wildlife, Listed Species, and Their Habitats

VEGETATION

Because much of the proposed transmission right-of-way contains lands that have already been cleared and maintained, construction associated with the 230-kilovolt transmission line should not pose any significant additional adverse changes to vegetation in these areas. Limited permanent alterations will be associated with right-of-way clearing and structure installation. The proposed right-of-way crosses no large expanses of forested uplands or wetlands. Attachment 6, Typical Drawings, depicts types of impacts associated with construction that are expected to occur to the existing vegetation communities crossed by the proposed right-of-way.

In areas of the corridor where co-location opportunities occur along existing roads or other infrastructure, forested wetlands may have already been impacted. Limited additional clearing of trees directly adjacent to the existing rights-of-way may be required. In these areas, the right-of-way will subsequently be maintained in a low-growing, early successional state. Adjoining tracts of woodlands will remain intact and provide habitat for forest species. In addition, adjacent vegetation communities should not be affected by structure installation and temporary access improvements because erosion control measures will be used.

Construction practices in wetlands will retain the vegetative root mat in the right-of-way in areas not filled as part of structure installation, thereby minimizing impacts to the wetlands. Impacts to wetlands will also vary depending on the wetland system through which the transmission line is routed. The shift in wetland composition will vary with the type of original canopy and soil alterations resulting from construction activities.

WILDLIFE

Specific impacts to terrestrial and aquatic animals due to transmission line construction vary by species and depend primarily on the extent of habitat alteration and continued availability of such habitat after construction. The proposed project crosses no federally designated critical habitat. In addition, no aquatic habitats critical to the continued regional presence of important species will be affected. The co-location with existing road and transmission line rights-of-way will minimize habitat losses and avoid the creation of barriers to animals' movements.

Individual small burrowing mammals (e.g., rodents), reptiles, or amphibians may be lost during right-of-way clearing. Such individual losses, however, will not affect local or regional populations. Losses of medium-sized or large mammals, birds, or other mobile species from direct impacts or habitat alterations are not expected because of the mobility of these animals. Therefore, no adverse impacts are expected to local or regional populations of game species, species of special concern or commercial importance, or threatened or endangered species occurring or potentially occurring within the right-of-way area.

No significant impacts to resident birds or migratory species are expected since the proposed right-of-way does not include major staging, breeding, or wintering areas for social, migratory species (e.g., waterfowl, shorebirds, passerines). Local disturbance or displacement of wildlife because of

construction noise will be minor and short-term, as construction activities in any one location will be intermittent and are not expected to last more than a few weeks. Also, the location of the proposed right-of-way along major highways and existing transmission line rights-of-way will further limit the potential for wildlife disturbance because individuals in these areas will already be habituated to traffic noise where present.

AQUATIC LIFE

Impacts on aquatic systems and species are expected to be minor. Appropriate erosion control measures such as staked hay bales and silt curtains will minimize or eliminate siltation resulting from stormwater runoff. Transmission line and temporary access road improvements (if necessary) in wetland areas will use methods such as erosion control as necessary to minimize significant disruption to the aquatic ecosystem or resultant changes in species composition.

The potential construction impacts on listed species documented for the proposed right-of-way are discussed in the following paragraphs.

LISTED SPECIES

Under the Endangered Species Act of 1973 (ESA), species may be listed as either endangered or threatened. “Endangered” means a species is in danger of extinction throughout all or a significant portion of its range. “Threatened” means a species is likely to become endangered within the foreseeable future. All species of plants and animals, except pest insects, are eligible for listing as endangered or threatened. For the purposes of the ESA, Congress defined species to include subspecies, varieties, and, for vertebrates, distinct population segments.

Table 12-1 identifies listed or managed species with the potential to occur in the Sweatt – Whidden Certified Corridor Area. Protocol surveys or noted observances that took place during wetland delineations and field reviews occurring between January 5, 2023, and May 18, 2023, are noted in the narrative for each species with likelihood to occur in the Segment 3: Waterway – Dorr Field Project Area.

Ecologists evaluated the potential presence of listed species in Highlands and DeSoto counties. This assessment began by performing a records review of the U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) report powered by the Environmental Conservation Online System, Florida Natural Areas Inventory (FNAI) Biodiversity Matrix, and Florida Fish and Wildlife Conservation Commission (FWC) geographic information system (GIS) records, including the wading bird and bald eagle nest databases. This information was supplemented by informal wildlife observations during the field review and wetland delineation surveys (Table 12-1).

Table 12-1. Threatened and Endangered Species with Potential to Occur in Sweatt–Whidden Certified Corridor

Scientific Name	Common Name	Federal Listing	State Listing
Mammals			
Eumops floridanus	Florida bonneted bat	E	E
Puma (=Felis) concolor coryi	Florida panther	E	E
Trichechus manatus	West Indian manatee	T	T
Ursus americanus floridanus	Florida black bear	N	N
Birds			
Ammodramus savannarum floridanus	Florida grasshopper sparrow	E	E
Aphelocoma coerulescens	Florida scrub-jay	T	T
Athene cunicularia floridana	Florida burrowing owl	N	T
Egretta caerulea	Little blue heron	N	T
Egretta tricolor	Tricolored heron	N	T
Falco sparverius paulus	Southeastern American kestrel	N	T
Grus canadensis pratensis	Florida sandhill crane	N	T
Haliaeetus leucocephalus	Bald eagle	N	N (*)
Mycteria americana	Wood stork	T	T
Picoides borealis	Red-cockaded woodpecker	E	E
Polyborus plancus audubonii	Audubon's crested caracara	T	T
Rostrhamus sociabilis plumbeus	Everglade snail kite	E	E
Reptiles			
Alligator mississippiensis	American alligator	FT	SAT
Drymarchon couperi	Eastern indigo snake	T	T
Eumeces egregious lividus	Bluetail mole skink	T	T
Gopherus polyphemus	Gopher tortoise	C	T
Neoseps reynoldsi	Sand skink	T	T
Pituophis melanoleucus mugitus	Florida pine snake	N	T
Insects			
Danaus plexippus	Monarch butterfly	C	
Plants			
Andropogon arctatus	Pine-woods bluestem	N	T
Bonamia grandiflora	Florida bonamia	T	N
Calopogon multiforus	Many-flowered grass-pink	N	T
Calmintha ashei	Ashe's savory	N	T
Carex chapmanii	Chapman's sedge	N	T
Centrosema Arenicola	Sand butterfly pea	N	E
Chionanthus pygmaeus	Pygmy fringe-tree	E	E
Chrysopsis floridana	Florida goldenaster	E	E
Clitoria fragrans	Pigeon wings	T	E
Coelorachis tuberculosa	Piedmont jointgrass	N	T
Conradina brevifolia	Short-leaved rosemary	E	E
Conradina grandifloria	Large-flowered rosemary	N	T
Crotalaria avonensis	Avon park harebells	E	E
Dicerandra christmanii	Garrett's mint	E	E
Dicerandra frutescens	Scrub mint	E	E
Eriogonom longifolium var. gnaphalifolium	Scrub buckwheat	T	E
Eryngium cuneifolium	Snakeroot/wedge-leaved button-snakeroot	E	E
Euphorbia rosescens	Scrub spurge	N	E
Glandularia maritima	Coastal vervain	N	E
Hartwrightia floridana	Hartwrightia	N	T

Table 12-1. Threatened and Endangered Species with Potential to Occur in Sweatt–Whidden Certified Corridor

Scientific Name	Common Name	Federal Listing	State Listing
Hypericum cumulicola	Highlands scrub hypericum	E	E
Hypericum edisonianum	Edison's ascyrum	N	E
Lechea cernua	Nodding pinweed	N	T
Lechea divaricate	Pine pinweed	N	E
Linum carteri var. smallii	Small's flax	N	E
Liatris ohlingerae	Scrub blazing star	E	E
Lupinus aridorum	Scrub lupine	E	E
Litsea aestivalis	Pondspice	N	E
Matelea floridana	Florida spiny-pod	N	E
Nemastylis floridana	Celestial lily	N	E
Nolina atopocarpa	Florida beargrass	N	T
Nolina brittoniana	Britton's beargrass	E	E
Panicum abscissum	Cutthroat grass	N	E
Paronychia chartacea	Papery Whitlow-wort/paper nailwort	T	E
Platanthera integra	Yellow fringeless orchid	N	E
Polygala lewtonii	Lewton's polygala	E	E
Polygonella basiramia	Wireweed/Florida jointweed	E	E
Polygonella myriophylla	Sandlace/Small's jointweed	E	E
Prunus geniculata	Scrub plum	E	E
Pteroglossaspis ecristata	Giant orchid	N	T
Salix floridana	Florida willow	N	E
Schizachyrium niveum	Scrub bluestem	N	E
Stylisma abdita	Scrub stylisma	N	E
Warea amplexifolia	Wide-leaf warea	E	E
Warea carterii	Carter's mustard	E	E
Zephyranthes simpsonii	Redmargin zephyrlily	N	T
Ziziphus celata	Florida ziziphus	E	E

Note: C = candidate.
E = endangered.
N = not currently listed.
SAT = threatened due to similarity of appearance to American crocodile.
T = threatened.

*Bald eagles are afforded federal protection under the Migratory Bird Treaty Act and Bald and Golden Eagle Protection Act.

Source: ECT, 2022, 2023.

The Project Area for Segment 3: Waterway – Dorr Field does not intersect known critical habitat for any federally listed species in Highlands County or DeSoto County. The eastern portion of the proposed right-of-way falls within the core foraging area (CFA) of one recorded wood stork colonies, and multiple listed species are known or have the potential to occur in the study area. See Table 12-1 and Attachment 12a. This segment does cross through scrub habitat of the Lake Wales Ridge.

Based on the results of the desktop and field investigations, the following protected or managed species have been identified as being known to occur or having the moderate potential to occur

within the Segment 3: Waterway – Dorr Field, which is located in Highlands and DeSoto counties study area.

Table 12-1 summarizes the listed species with potential to occur within Okeechobee, Highlands, Glades and DeSoto counties in proximity to the Sweatt – Whidden Certified Corridor. This assessment began by performing a records review of the USFWS IPaC report powered by the Environmental Conservation Online System, FNAI Biodiversity Matrix, and FWC GIS records, including the wading bird and bald eagle (*Haliaeetus leucocephalus*) nest databases.

Federal Species

Consultation discussions are currently occurring with USFWS for each species below within this segment. Florida Power & Light Company (FPL) initiated informal consultation with USFWS on January 9, 2023.

American Alligator—The alligator is listed as threatened by USFWS and FWC due to similarity of appearance to the American crocodile (*Crocodylus acutus*). Alligators are not uncommon in this part of the state, and this reptile is assumed present in most surface waters.

Audubon's Crested Caracara—This raptor is listed as a threatened species by USFWS. It is present in Central and South Florida, including the four counties crossed by the Preferred Corridor. Caracaras commonly occur in dry or wet prairie areas with scattered cabbage palms *(Sabal palmetto)* or in lightly wooded areas of scattered saw palmetto *(Serenoa repens),* scrub oaks *(Quercus inopina),* and cypress (*Cupressus* spp.). In consultation with USFWS, Crested Caracara surveys are currently planned for January 2024 for Segment 3. The results of surveys will be provided to USFWS ecological services. No nests have been identified within the project right-of-way to date, most of which is in existing transmission easement. Caracaras are highly opportunistic in their feeding habits, eating carrion and capturing live prey and have been identified along the Segment 3: Waterway – Dorr Field Project Area during wetland delineations surveys and other assessments along SR 70.

Bluetail Mole Skink—This skink is listed as threatened by USFWS. It occurs in well-drained sandy uplands above 100 feet usually with an abundance of scattered shrubs and lichens. It favors rosemary *(Salvia rosmarinus)*, oak (*Quercus* spp.), and sand pine (*Pinus clausa*) scrubs and is found occasionally in turkey oak (*Quercus laevis*) barrens, sandhill, and xeric hammock. It requires loose sand (for burrowing) with patches of sparse to no groundcover or canopy and is often found in leaf litter. The species is restricted to the Lake Wales Ridge which the proposed Project traverses along SR 70. FPL has requested technical assistance from USFWS to obtain guidance to appropriately address potential impacts to federally listed species and their habitat.

Eastern Indigo Snake—This species (*Drymarchon couperi*) is federally and state-listed as threatened. This distinctive large, black snake can occur in suitable habitats throughout Florida. It has a wide range of habitat preferences and prey species and requires large tracts of land for survival. Often considered a gopher tortoise commensal, it can be found in xeric habitats but also uses more mesic or wetland habitats for foraging. Suitable habitat is present for this species within the Project area. FPL has requested technical assistance from USFWS to obtain guidance to appropriately address potential impacts to federally listed species and their habitat. Conservation

measures will be determined in consultation with USFWS. This is expected to include conforming with USFWS Standard Protection Measures for the Eastern Indigo Snake (2013).

Everglade Snail Kite—This federally endangered bird prefers habitats consisting of slow-moving water with emergent vegetation such as maidencane *(Panicum hemitomon)* or sawgrass (*Cladium jamaicense).* This species is typically found in the Lake Okeechobee area southward through the Everglades. A portion of the Segment 3: Waterway – Dorr Field Project Area is within the normal range of this species.

Florida Bonneted Bat—Endemic to Florida and nonmigratory, the Florida bonneted bat (*Eumops floridanus*) is the largest bat in Florida. Limited knowledge about habitat needs and preferences suggests that this bat uses forests, wetlands, and other natural habitats, as well as residential and urban areas. Endangered wherever found, the final rule for listing of the Florida bonneted bat was adopted in October 2013. Population size is unknown. The Segment 3: Waterway – Dorr Field Project Area does not intersect the proposed critical habitat for the bonneted bat. Due to the species' small range, the greatest threats to Florida bonneted bats are loss of habitat, including destruction of natural roost sites, and natural disasters such as hurricanes, which have the potential to impact its entire range. Limited roost surveys will be performed as agreed upon by USFWS.

Florida Panther—The Florida panther (*Puma (=Felis) concolor coryi*) is listed as endangered by USFWS. Florida panthers are secretive and require extensive blocks of mostly forested land for survival. Large wetlands, inaccessible to humans, provide important refuge. The remaining number of this species is low. Their breeding population is restricted to southwest Florida, but dispersing individuals may range well north into the peninsula in search for new territories. Segment 3: Waterway – Dorr Field Project area terminates adjacent to area designated as Panther Focus Area (Dispersal Pathway).

Florida Sand Skink—This species is listed as threatened by USFWS. It is a small, fossorial skink that is endemic to the sandy ridges of Central Florida, occurring in Highlands, Lake, Marion, Orange, Osceola, Polk, and Putnam counties. Preferred habitats include xeric uplands with sandy soils, including rosemary scrub, scrubby flatwoods, and oak scrub. There are FNAI records of this species in Highlands County along the Project, and it has a moderate likelihood to occur in xeric habitats elsewhere along the Project. Skink tracks have been observed along State Road (SR) 70 west of U.S. Highway (US) 27. FPL performed cover board surveys April - May 2023 within the proposed project area. The FPL survey area was restricted to portions of the project outside of FDOT skink survey efforts. The results are intended to complement the FDOT surveys, as there were no overlapping surveys performed. FPL has requested technical assistance from USFWS to obtain guidance to appropriately address potential impacts to federally listed species and their habitat and at this time expects to apply FPL's Scrub Management Plan in this area.

Florida Scrub-jay—The Florida scrub-jay prefers xeric scrub habitats generally found along the Lake Wales Ridge of Florida, which is traversed by SR 70 and the existing transmission line. Extensive development and habitat fragmentation in Florida threaten this bird's small population, placing it on the federal endangered species list. Scrub jays have been observed during field assessments in the area west of US 27. FPL has requested technical assistance from USFWS to obtain guidance to appropriately address potential impacts to federally listed species and their habitat and at this time expects to apply FPL's Scrub Management Plan in this area.

Wood Stork—The wood stork is federally listed as endangered. This large bird uses freshwater and estuarine habitats for nesting, roosting, and foraging. Wood storks typically construct their nests in medium to tall trees located in swamps or on islands surrounded by relatively broad expanses of open water. They are found across much of Florida. Wood storks tend to use the same colony sites over many years, as long as the sites remain undisturbed and sufficient feeding habitat remains in the surrounding wetlands. There are no recorded nesting colonies within 1,500 feet of the Project; however, individuals may opportunistically forage in the water bodies or ditches that are present. In South Florida, the wood stork CFA is an 18.6-mile radius around active nesting colonies where appropriate habitat exists. According to current USFWS data, the Segment 3: Waterway – Dorr Field Project area intersects one wood stork CFA, around colonies identified as Brighton Reservation colony. Attachment 12a shows Segment 3: Waterway – Dorr Field Project Area in relation to this colony and the respective CFA. No net impacts to wood stork foraging habitat are anticipated from construction or operation of this project.

Bald eagle—The bald eagle is a federally managed species under the Bald and Golden Eagle Protection Act and the Migratory Bird Treaty Act. Florida has one of the largest eagle populations in the lower 48 states. These birds typically nest and roost in forested habitats and utilize shallow fresh or saltwater for foraging. Nesting is initiated in the fall, and nests may be used for many years. According to the FWC Eagle Nest Locator database, there is one known eagle nest within 1,500 feet of Segment 3: Waterway – Dorr Field Area. The closest recorded Eagle nest is H1058, approximately 400 feet away from the Project Area. Attachment 12a depicts the location of recorded Eagle nests relative to the Project.

FPL has requested technical assistance from USFWS to obtain guidance to appropriately address potential impacts and to federally listed species and their habitat.

Federally Listed Plant Species

It is not expected that federally listed plant species would be found in the Segment 3: Waterway – Dorr Field Project Area due to the proximity to SR 70 and because the Project is largely located within a maintained transmission easement.

State Listed Species

Gopher Tortoise (*Gopherus polyphemus*)—This species is state-listed as threatened. The gopher tortoise inhabits upland well-drained habitats throughout the state, including disturbed and urban properties. Gopher tortoise burrows have been identified along Segment 3: Waterway – Dorr Field Project area during wetland delineation surveys and other field assessments along SR 70.

According to FWC regulations, relocation is not necessary if construction activities can avoid impacts within a 25-foot radius of the burrow entrance. However, if impacts to any burrow cannot be avoided, a gopher tortoise relocation permit will be required from FWC. A 100 percent survey will be required prior to construction to locate all potentially occupied burrows and determine relocation and conservation measures.

Little Blue Heron and Tricolored Heron—These species (*Egretta caerulea* and *Egretta tricolor*, respectively) are state-listed as threatened but not uncommon to be found foraging in wetlands in Florida. These wading bird species can be found in suitable wetland habitats throughout Florida.

Foraging occurs in shallow freshwater, brackish, and saltwater habitats. Both species breed in colonial nesting sites with other wading and shorebird species. There are freshwater marshes, water bodies, and man-made ditches in the Segment 3: Waterway – Dorr Field Project Area that could potentially be used for foraging by these species. Accordingly, these birds could potentially forage in habitats within the corridor but are unlikely to nest there. No specific surveys for these birds are proposed; however, a preconstruction nest survey is recommended.

Florida Sandhill Crane—This species is listed as threatened by FWC. The sandhill crane (*Grus canadensis*) prefers freshwater marshes for nesting and pastures, wet prairies, or farm fields for foraging. Suitable nesting and foraging habitats are present in areas along the Segment 3: Waterway – Dorr Field Project Area. FWC's current permitting guidelines indicate activity should be avoided within 400 feet of nest sites during the breeding season. Insofar as sandhill cranes may nest within the project limits, the applicant will monitor the site for the presence of new nests should construction activities occur within the sandhill crane breeding season (January through March). Should any active nests be initiated within 400 feet of planned construction activities, the applicant must either postpone construction in that area to coincide with the nonbreeding season or coordinate with FWC for issuance of an incidental take permit.

Southeastern American Kestrel—Listed as threatened by FWC, this small falcon (*Falco sparverius paulus*) is the resident subspecies that breeds in Florida. The more common northern migrant is seen commonly in the winter months perching on snags and power lines along roadsides in Central Florida. The open habitats found along the Segment 3: Waterway – Dorr Field Project Area provide good foraging habitat for this bird, so there is some likelihood it could be found.

Wading Birds—Based on current FNAI records, there are no wading bird colonies within a critical distance (1,500 ft) of the Project Area. It is expected that wading birds, including Least tern, Limpkin, Roseate spoonbill and White ibis will opportunistically forage in wetlands or roadside ditches along the Project. Attachment 12a depicts the location of any recorded wading bird rookeries relative to the Segment 3: Waterway – Dorr Field Project Area. Prior to construction, a survey for nesting and wading birds will occur to identify nests in the project footprint.

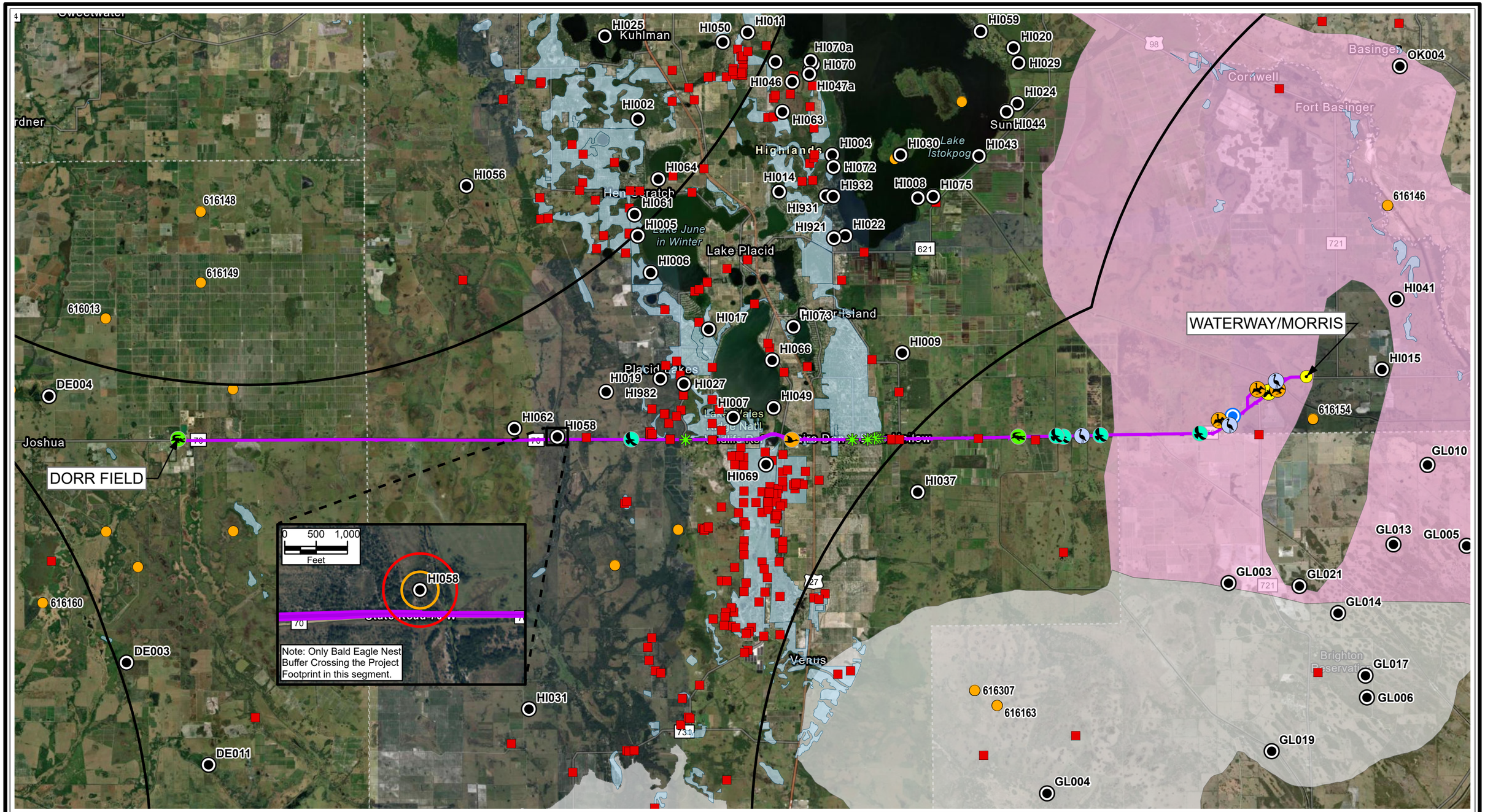
MIGRATORY BIRDS

USFWS's IPaC report identified additional migratory bird species that are not included within the listed species' tables of previous sections. Migratory birds are protected under the Migratory Bird Treaty Act of 1918 (MBTA), which makes it unlawful to kill or "take" a migratory bird, nest, or egg. An amendment to the MBTA in 1972 resulted in the inclusion of bald eagles and other birds of prey in the definition of migratory birds. These species include the American kestrel (*Sparverius paulus*), Bachman's sparrow (*Aimophila aestivalis*), cerulean warbler (*Dendroica cerulean*), common ground-dove (*Columbina passerina exigua*), lesser yellowlegs (*Tringa favipes*), prairie warbler (*Dendroica discolor*), prothonotary warbler (*Protonotaria citrea*), red-headed woodpecker (*Melanerpes erythrocephalus*), swallow-tailed kite (*Elanoides forficatus*), and wood thrush (*Hylocichla mustelina*). The Project Area is located within the Atlantic Migratory Flyway, broadly defined as the aggregate of species-specific avian migration routes that follow the Atlantic Coast in the United States and Canada (National Audubon Society, 2018). In late 2017, the Solicitor's office of the Department of the Interior issued Memorandum Opinion M-37050, which replaced M-37041. The general industry interpretation of M-037050 is that unintended impacts to bird species during normal construction activities does not constitute the definition of "take."

Therefore, the need for preconstruction surveys for MBTA species nests may not be required. Coordination with USFWS will occur regarding the potential need for preconstruction surveys.

If nests or cavities with eggs or flightless young are observed during construction, construction crews will immediately stop work and contact the operations/construction lead, who will immediately notify FPL's Power Delivery Environmental Department. Additionally, if an osprey nest or eagle nest is observed during construction, construction crews will contact the operations/construction lead who will immediately contact FPL's Power Delivery Environmental Department.

Attachment 12A Threatened and Endangered Species Locations



Project
- Substation
- Segment 3: Waterway-Dorr Field

Desktop Data
- Historic Eastern Indigo Snake Sighting
- Wading Bird Rookery
- Bald Eagle Nest
- Wood Stork Core Foraging Area
- Bald Eagle Nest Buffer (330ft)
- Bald Eagle Nest Buffer (660ft)
- Scrub Jay Habitat (FWC)

Florida Panther Focus Area
- Dispersal Pathway
- Primary Expansion Area

Field Sightings
- American Alligator
- Crested Caracara
- Kestrel
- Wood Stork
- Gopher Tortoise
- Observed Bald Eagle
- Snail Kite
- Little Blue Heron

Site Lies Within:
- USFWS Wood Stork Core Foraging Area

USFWS Consultation Area:
- Florida Scrub Jay
- Florida Bonneted Bat
- Everglades Snail Kite
- Florida Grasshopper Sparrow
- Florida Sand Skink
- Crested Caracara

N

0 2 4
Miles

Sources: FWC, 2022 & 2023; USFWS, 2022, Imagery. 2020; ECT, 2023.

Attachment 12A
Segment 3: Waterway - Dorr Field Threatened and Endangered Species Locations

Highlands and DeSoto Counties, Florida

ECT

Attachment 13 Public Interest Test

Attachment 13 - Public Interest Test

Impacts on terrestrial and aquatic systems and species associated with transmission line right-of-way preparation and construction depend primarily on the location and existing conditions of the selected right-of-way and, to a lesser degree, on clearing and construction techniques.

Through a systematic, environmentally responsive corridor selection process, the crossing of major terrestrial, wetland, and aquatic systems was minimized or avoided to restrict potential impacts to sensitive habitats and/or endangered and threatened species associated with transmission line construction. Approximately 79 miles (approximately 98 percent) of the larger Sweatt – Whidden Project include the opportunity to locate within or adjacent to existing road rights-of-way. Where possible in these areas, the proposed transmission line will share existing rights-of-way. In these previously altered areas, it is not anticipated that transmission line construction will have significant impact on vegetation, wildlife, or aquatic life.

Because much of the project footprint contains lands that have already been cleared and maintained, construction associated with the 230-kilovolt transmission line should not pose any significant additional adverse changes to vegetation in these areas. Limited permanent alterations will be associated with right-of-way clearing, temporary matting and structure installation. The proposed project crosses no large expanses of forested uplands or wetlands.

Attachments 6 and 6A, Typical Drawings and Project Description and Construction Methods, address types of impacts associated with construction that are expected to occur to the existing vegetation communities crossed by the project footprint.

In areas of the corridor where co-location opportunities occur along existing roads or other existing infrastructure, forested wetlands may have already been impacted. Limited additional clearing of trees directly adjacent to the existing rights-of-way may be required. In these areas, the right-of-way will subsequently be maintained in a low-growing, early successional state. Adjoining tracts of woodlands will remain intact and provide habitat for forest species. In addition, adjacent vegetation communities should not be affected by structure installation and temporary access because erosion control measures and proper culverting will be used.

Construction practices in wetlands will retain the vegetative root mat in the right-of-way in areas not filled for road or structure pad construction, thereby minimizing impacts to the wetlands. Impacts to wetlands will also vary depending on the wetland system through which the transmission line is routed. The shift in wetland composition will vary with the type of original canopy and soil alterations resulting from construction activities. Outside of areas where filling may be necessary for temporary access or structure pads, small freshwater marsh/wet prairie systems crossed by the transmission line will not be affected

by construction activities because no clearing will be required, and proper culverting will maintain the existing hydroperiod. See Attachments 6 and 6A.

Specific impacts to terrestrial and aquatic animals due to transmission line construction vary by species and depend primarily on the extent of habitat alteration and continued availability of such habitat after construction. The proposed project crosses no federally designated critical habitat. In addition, no aquatic habitats critical to the continued regional presence of important species will be affected. The co-location with existing road and transmission line rights-of-way will minimize habitat losses and avoid the creation of barriers to animals' movements.

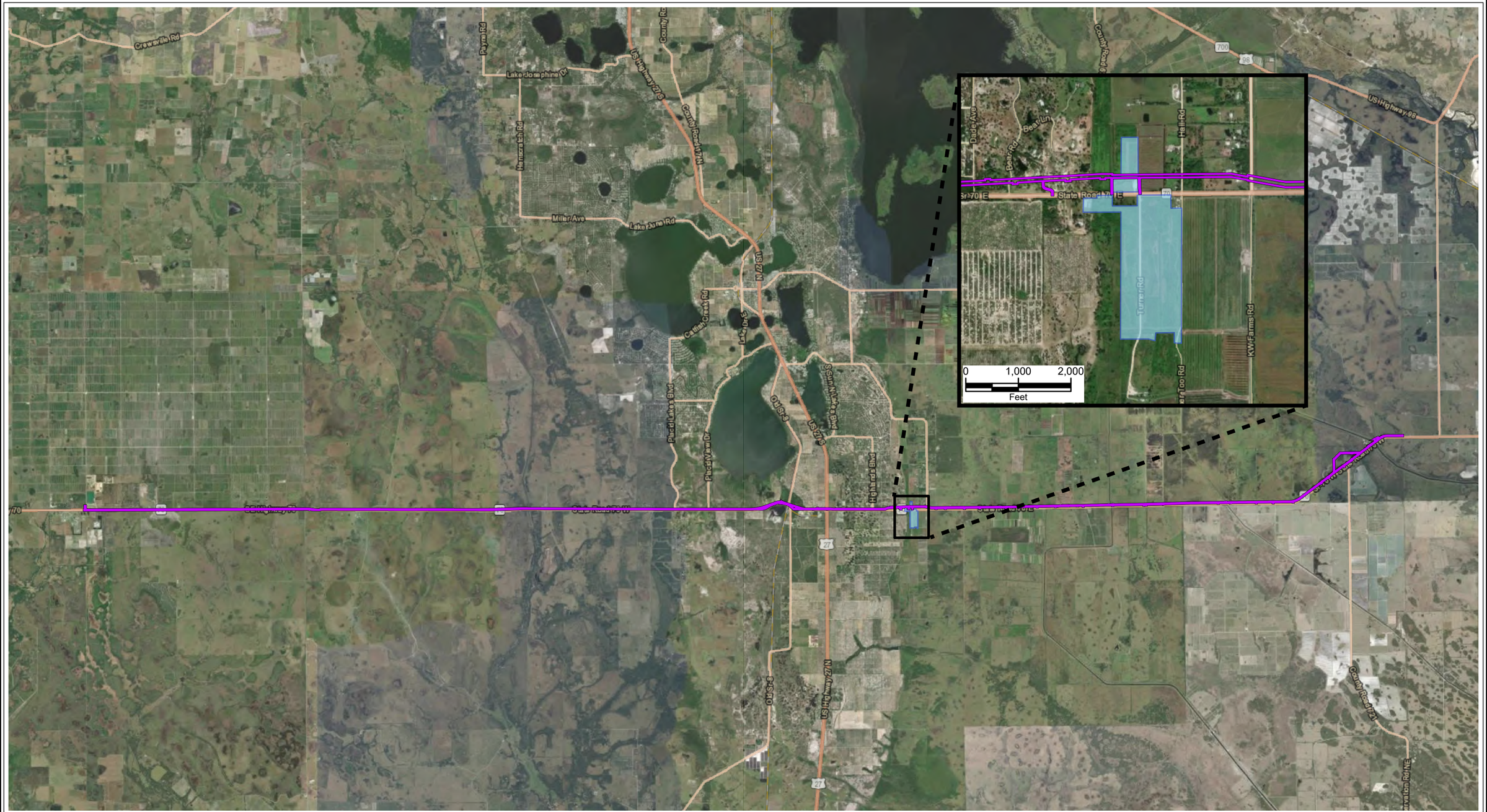
The project is not expected to significantly impact wildlife or wildlife habitat. Some temporary displacement of wildlife may occur during construction activities, however once complete, wildlife is anticipated to return. The project is not in an area designated as Outstanding Florida Waterway. No in-water work is proposed therefore no adverse effects to navigation or flow is anticipated. Similarly, no adverse effects to fishing or recreation is anticipated with the operation of the transmission, as crossings will be aerial. Adequate buffers at creeks and appropriate erosion control measures during construction will prevent sedimentation at creeks.

The project does cross one area in Highlands County identified as a public water supply area (see Figure 13A). Special construction conditions will apply to work in this area and best management practices will apply when construction is occurring in this area.

A cultural resource assessment survey has been completed along the right-of-way in compliance with the requirements of Chapter 267, Florida Statutes and Chapter 1A-46 (Archaeological and Historical Report Standards and Guidelines) in the Florida Administrative Code. The results of this survey have been documented in a report and submitted to the Department of Historical Resources (DHR). No significant resources were identified.

If cultural resource finds are discovered during construction, construction activities will be immediately halted in the vicinity, and DHR will be notified. A determination of the significance of the find will be conducted, as appropriate, and the Florida Power & Light Company will coordinate with DHR to evaluate mitigative measures necessary to protect the area from adverse effects.

Attachment 13A Public Water Supply Exhibit



Legend

- Waterway-Dorr Field Project Footprint
- Public Water Supply Area

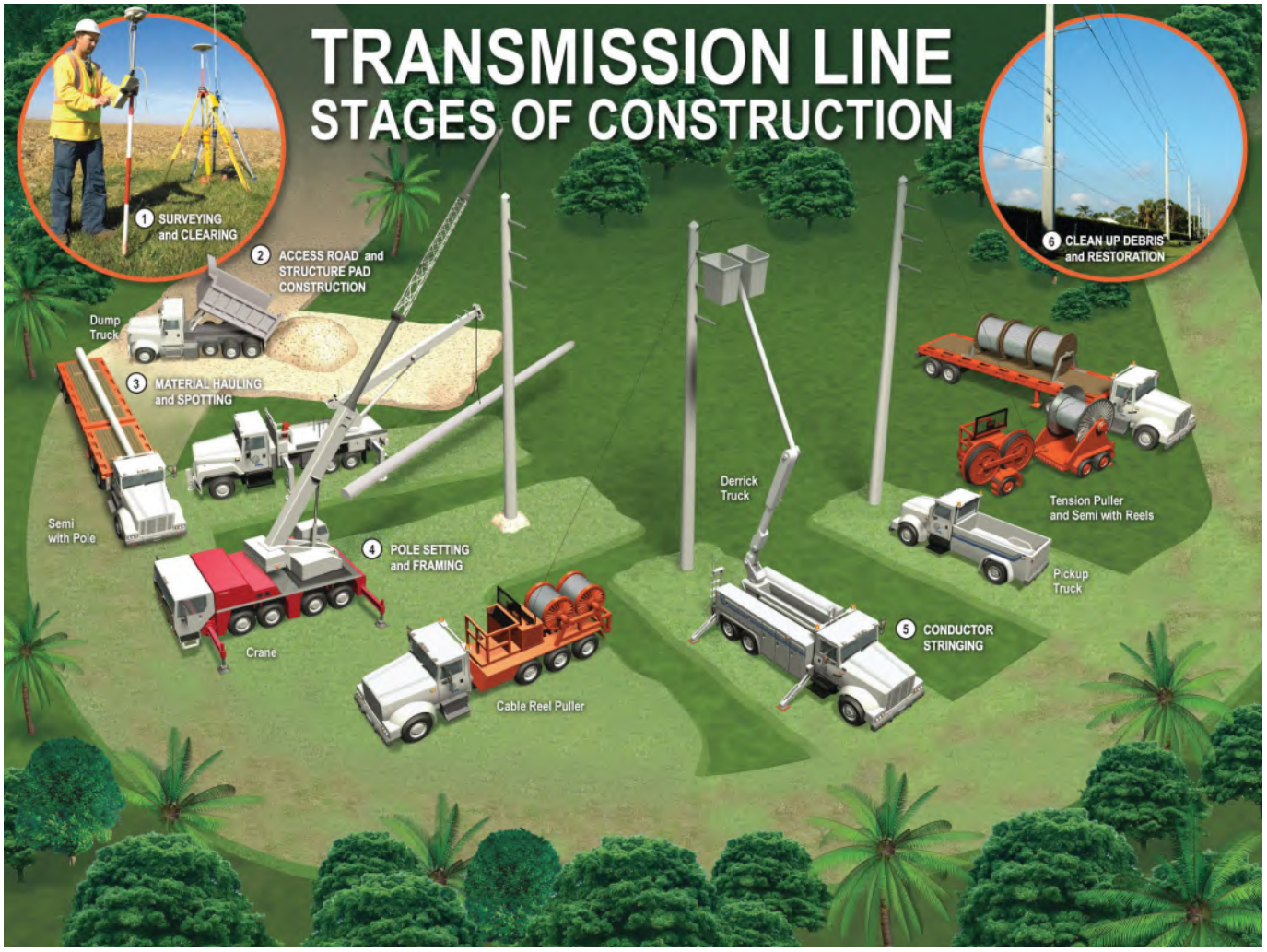
Sources: Highlands County 2022; Esri World Imagery, 2020; ECT, 2023.

Figure 13A
Segment 3: Waterway – Dorr Field
Public Water Supply Areas

Highlands County, Florida

ECT

Attachment 14 Stages of Construction Graphic



Attachment 14
Stages of Construction
Sweatt-Whidden 230-kV
Transmission Line Project
Okeechobee, Glades, Highlands and
DeSoto Counties, Florida

Sources: FPL, 2022.

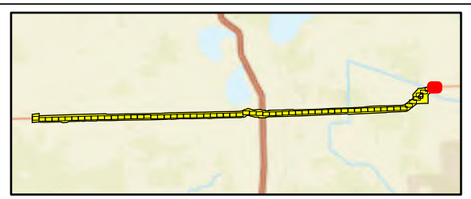
Attachment 17 Wetland Impacts Map

- Existing Structure
- Proposed Structures
- Substation
- Waterway-Dorr Field Narrowed Corridor
- Waterway-Dorr Field Project Footprint
- Temp Matting
- Perm Maintained
- Temp Impact
- Perm Conversion

NWI

- Field Delineated Wetland
- Field Delineated Surface Water
- NHD Flowline
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Riverine

Please Note:
All Permanent Fill Structure impacts are <0.00 acres and are approx. 0.001154 acres.



N

0 200 400

Feet

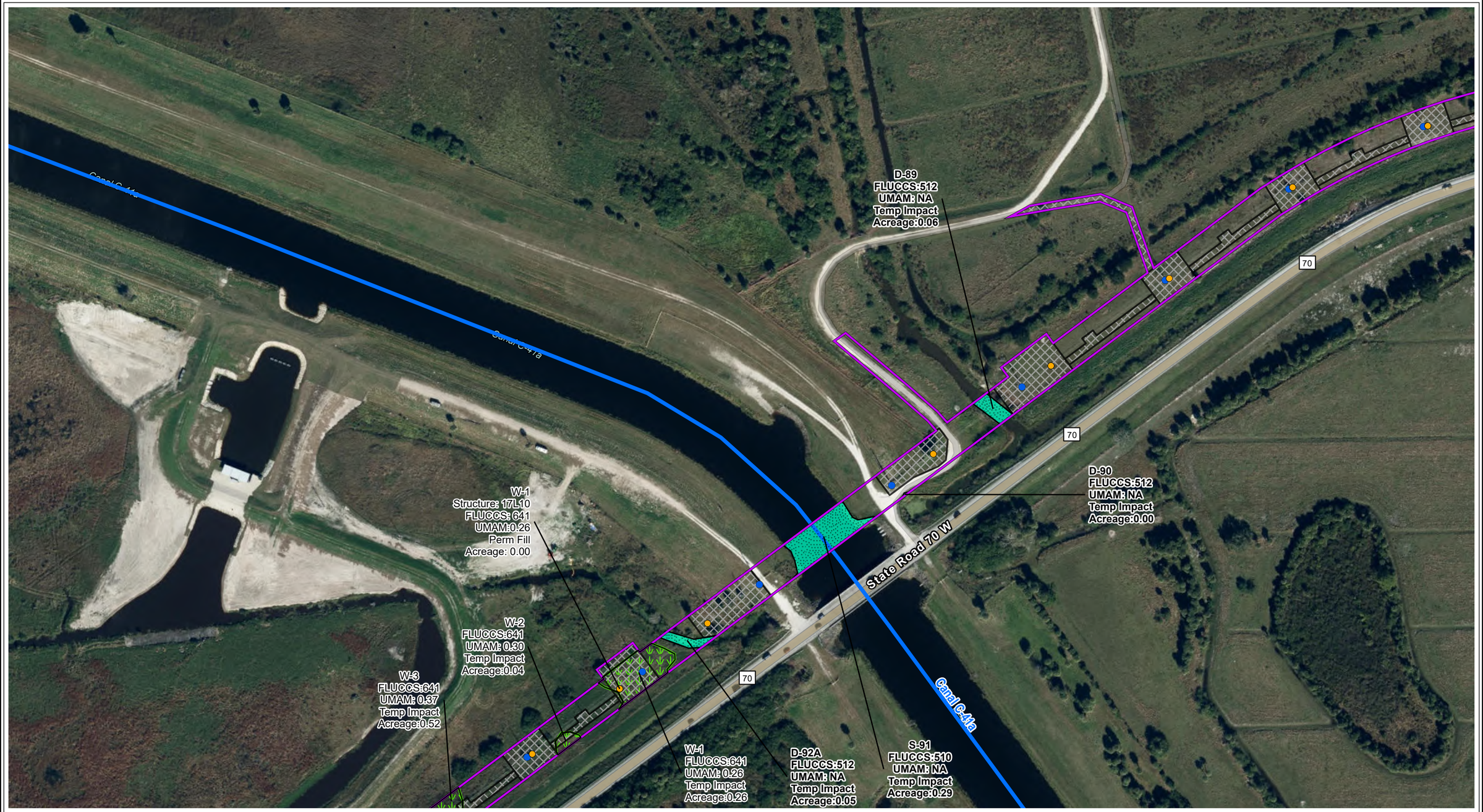
Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 1 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT



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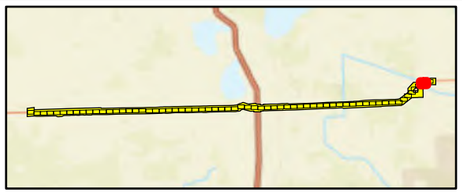

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Feet

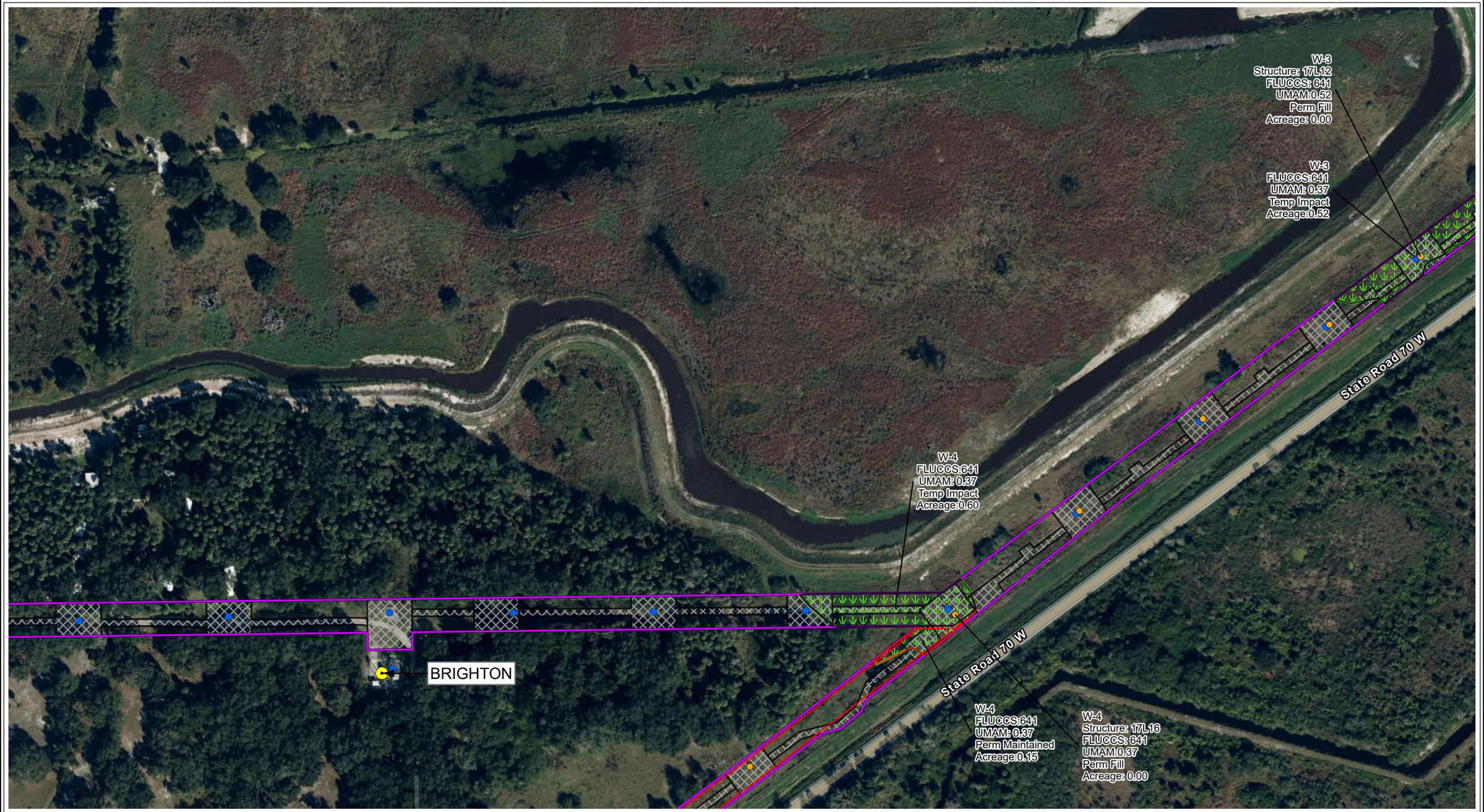
Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 2 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT



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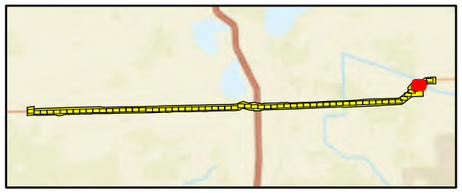


N

0 200 400

Feet

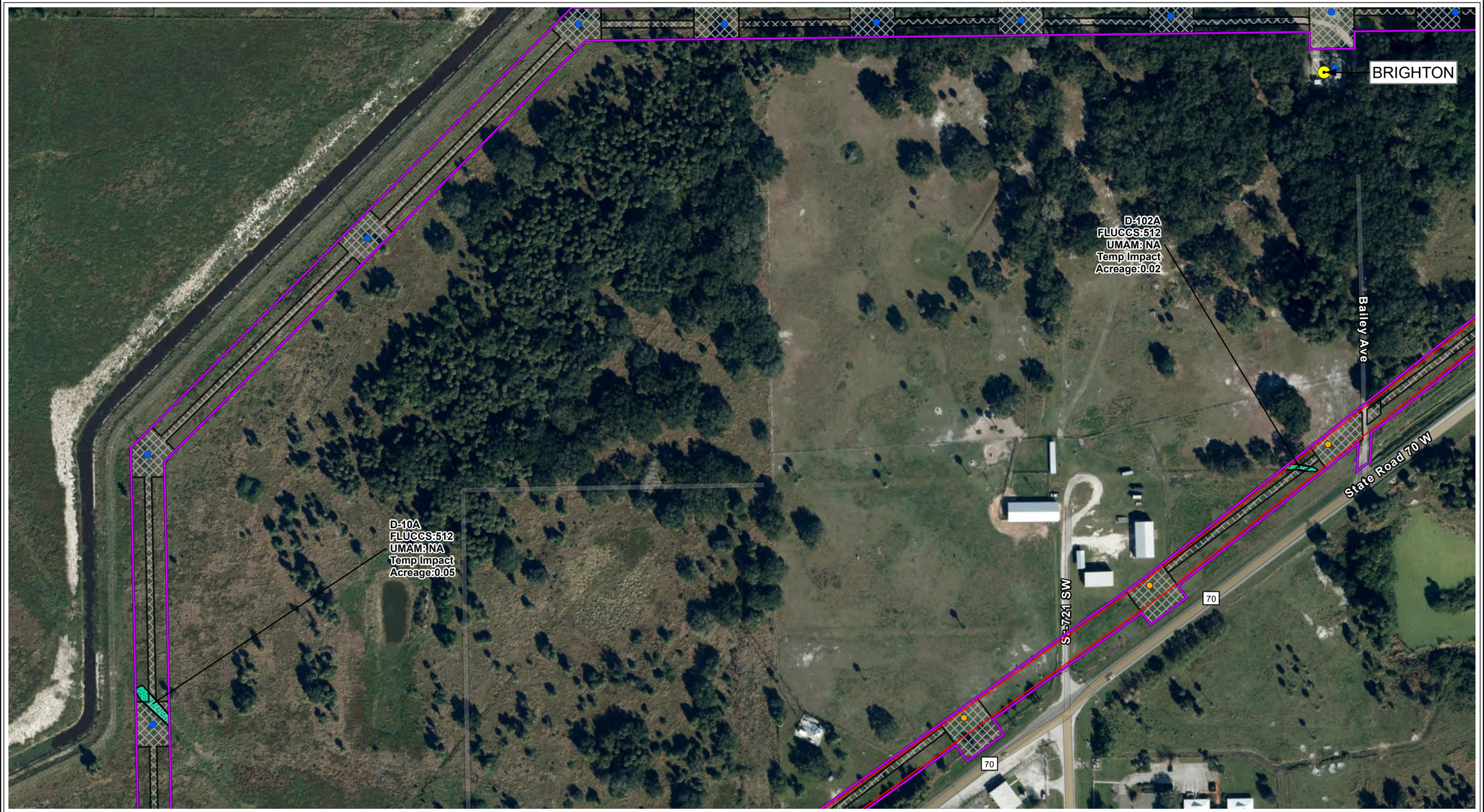
Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 3 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT



- Existing Structure
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- Substation
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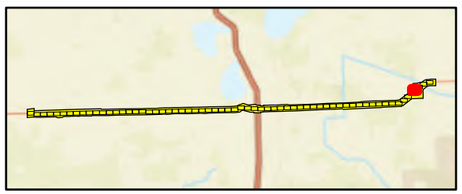


N

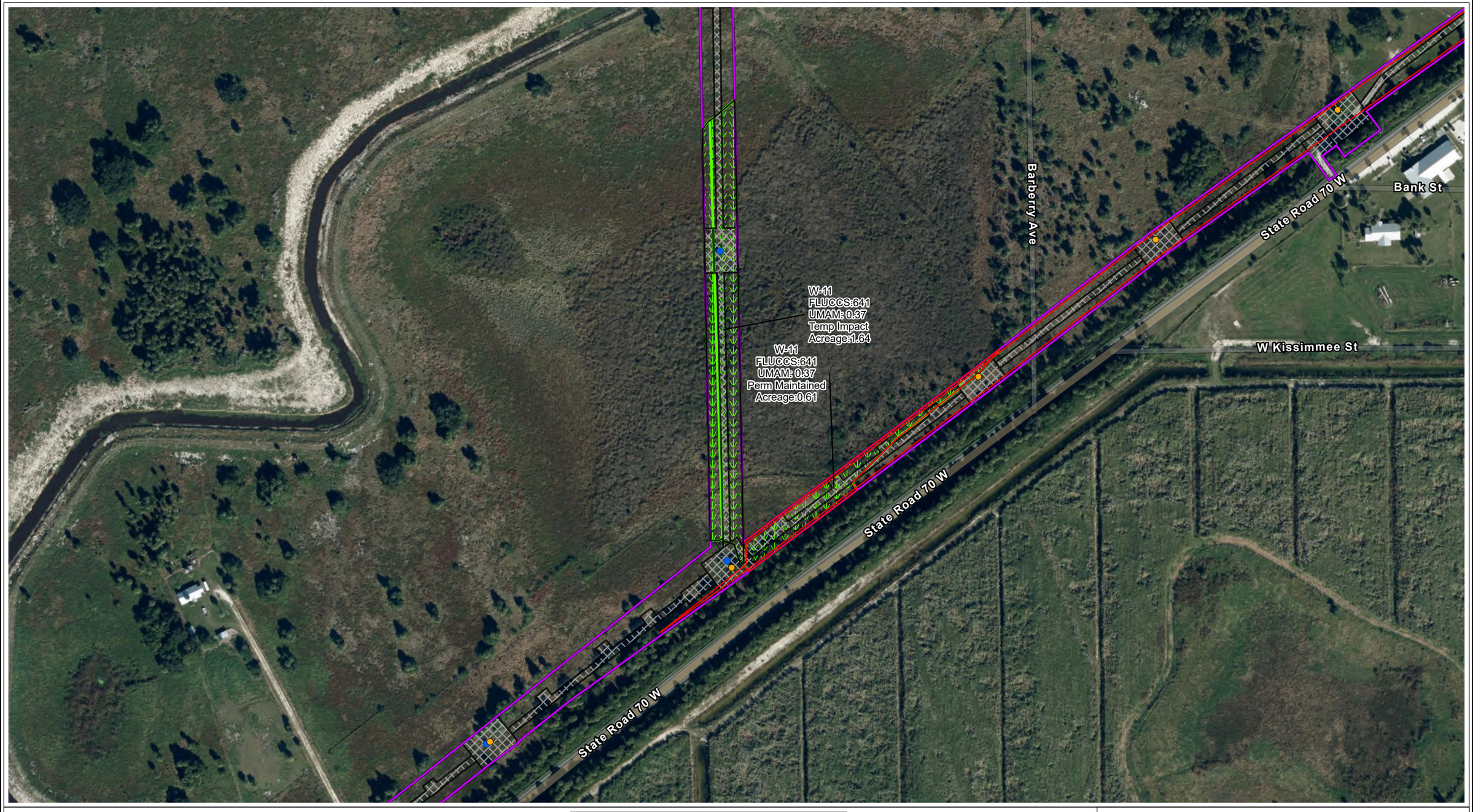
0 200 400
Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 4 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida
Date: 8/30/2023

ECT



Existing Structure
Proposed Structures
Substation
Waterway-Dorr Field Narrowed Corridor
Waterway-Dorr Field Project Footprint

Temp Matting
Perm Maintained
Temp Impact
Perm Conversion

Field Delineated Wetland
Field Delineated Surface Water
NHD Flowline

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Freshwater Emergent Wetland
Freshwater Forested/Shrub Wetland
Riverine

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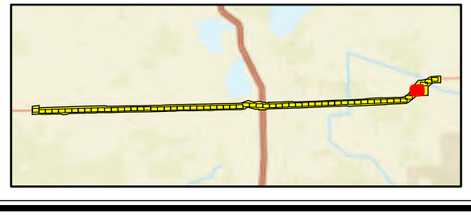

N

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Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 5 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida
Date: 8/30/2023

ECT

- Existing Structure
- Proposed Structures
- Substation
- Waterway-Dorr Field Narrowed Corridor
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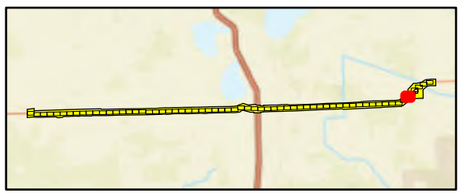

N

0 200 400
Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 6 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT

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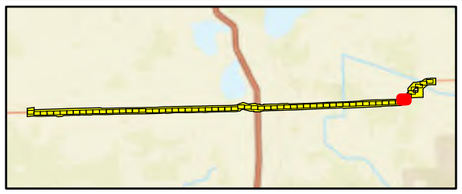

N

0 200 400
Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 7 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT

D-79
FLUCCS:512
UMAM: NA
Temp Impact
Acreage:0.04

D-79
FLUCCS:512
UMAM: NA
Temp Impact
Acreage:0.04

W-13
Structure: 20L9
FLUCCS: 641
UMAM:0.26
Perm Fill
Acreage: 0.00

W-13
FLUCCS:641
UMAM: 0.26
Temp Impact
Acreage:3.15

W-13
Structure: 20L5
FLUCCS: 641
UMAM:0.26
Perm Fill
Acreage: 0.00

70

70

70

oad 70 W

State Road 70 W

W-82
FLUCCS:641
UMAM: 0.33
Temp Impact
Acreage:0.06

W-80
FLUCCS:641
UMAM: 0.33
Temp Impact
Acreage:0.09

W-81
FLUCCS:641
UMAM: 0.30
Temp Impact
Acreage:0.03

D-77A
FLUCCS:512
UMAM: NA
Temp Impact
Acreage:0.03

W-13
Structure: 20L7
FLUCCS: 641
UMAM:0.26
Perm Fill
Acreage: 0.00

WB-78
FLUCCS:524
UMAM: NA
Temp Impact
Acreage:0.07

W-13
Structure: 20L8
FLUCCS: 641
UMAM:0.26
Perm Fill
Acreage: 0.00

- Existing Structure
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- Substation
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- Waterway-Dorr Field Project Footprint
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N

0 200 400
Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 8 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT

State Road 70 W

W-85
FLUCCS:641
UMAM: 0.30
Temp Impact
Acreage:0.12

W-84
FLUCCS:641
UMAM: 0.30
Temp Impact
Acreage:0.12

D-83
FLUCCS:512
UMAM: NA
Temp Impact
Acreage:0.02

- Existing Structure
- Proposed Structures
- Substation
- Waterway-Dorr Field Narrowed Corridor
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N

0 200 400
Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 9 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida
Date: 8/30/2023

ECT

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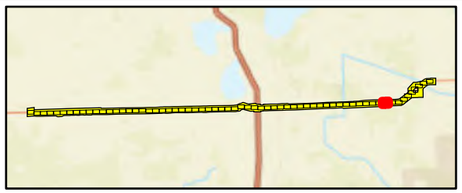


N

0 200 400
Feet

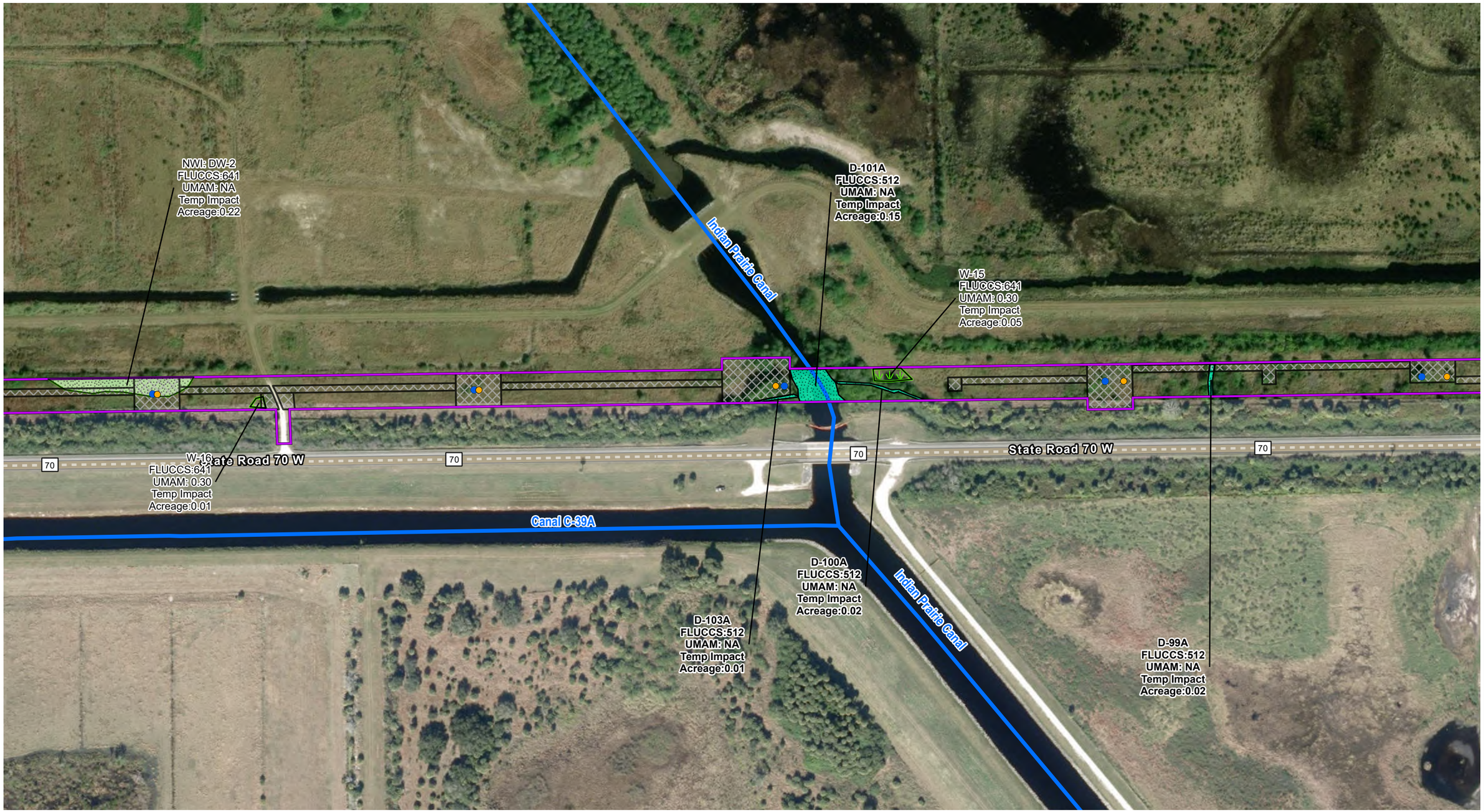
Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 10 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT



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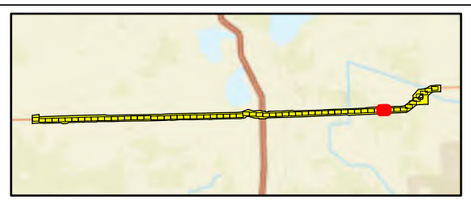


N

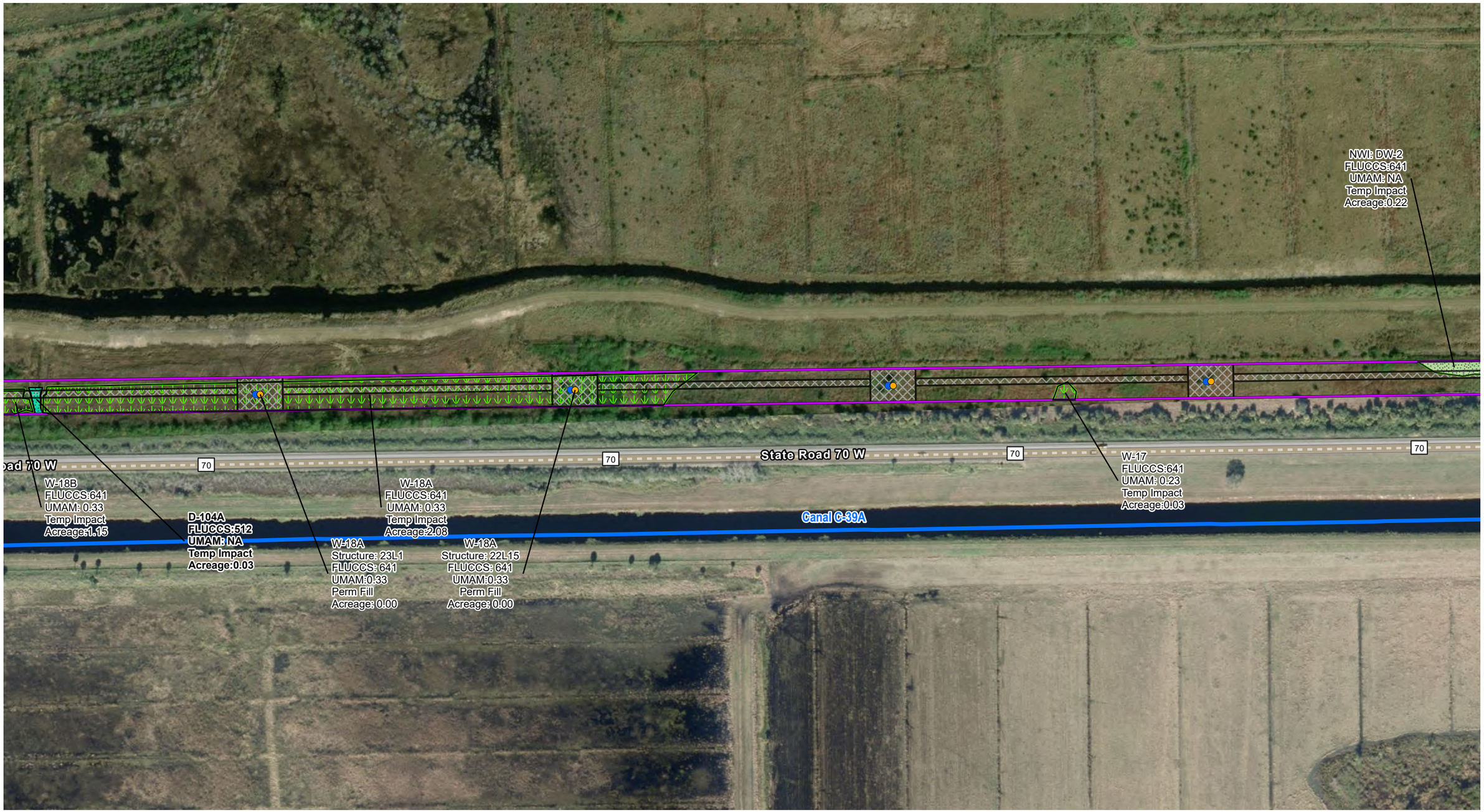
0 200 400
Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 11 of 64
Segment 3: Waterway – Dorr Field Wetland Impact Map

Highlands and DeSoto Counties, Florida
Date: 8/30/2023

ECT



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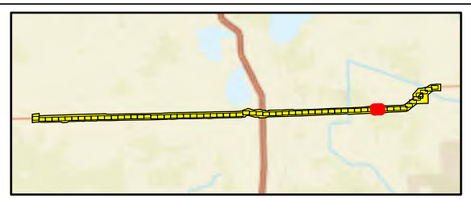

N

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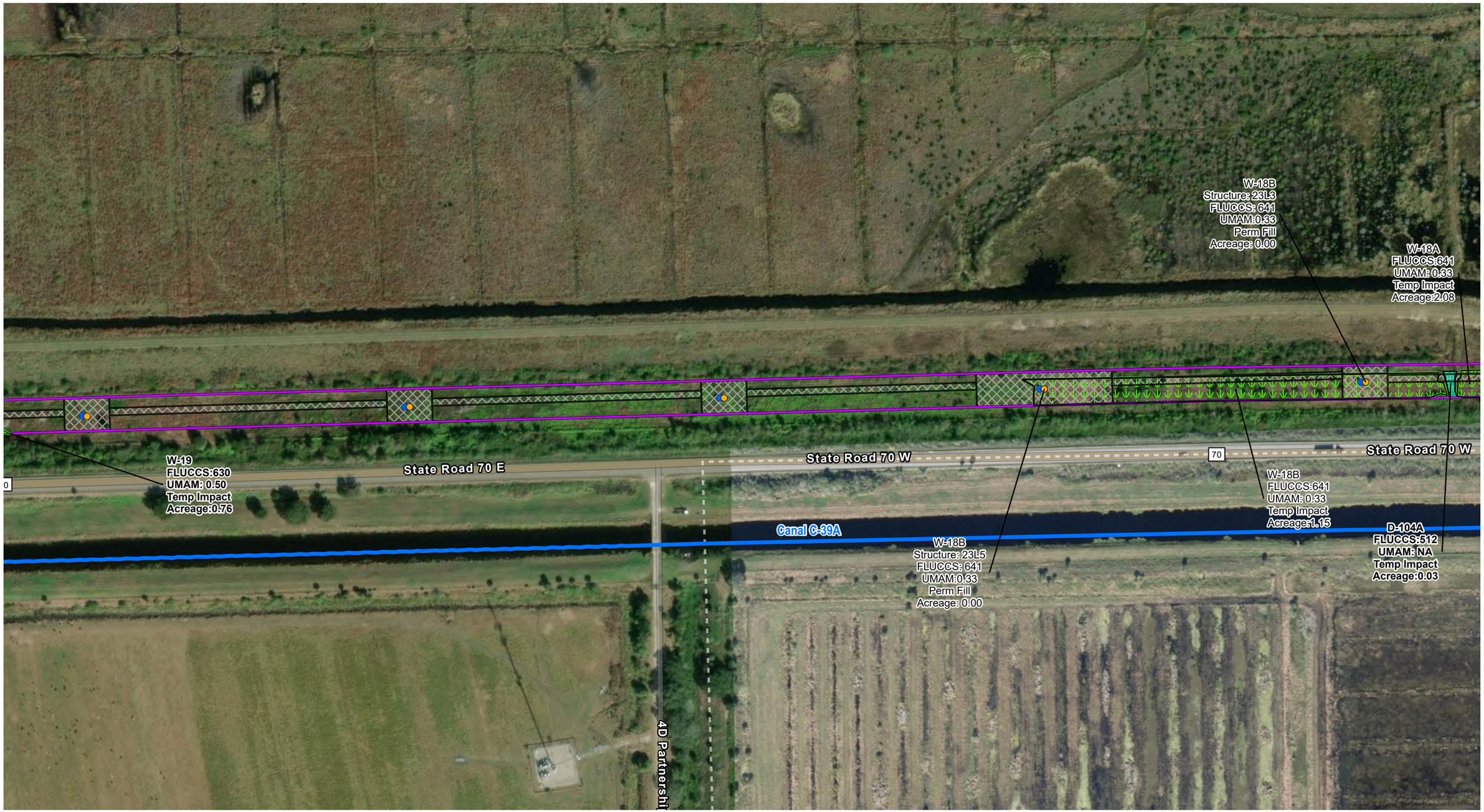
Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 12 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida
Date: 8/30/2023

ECT



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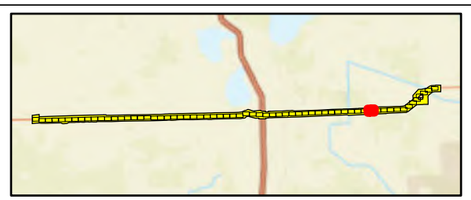


N

0 200 400
Feet

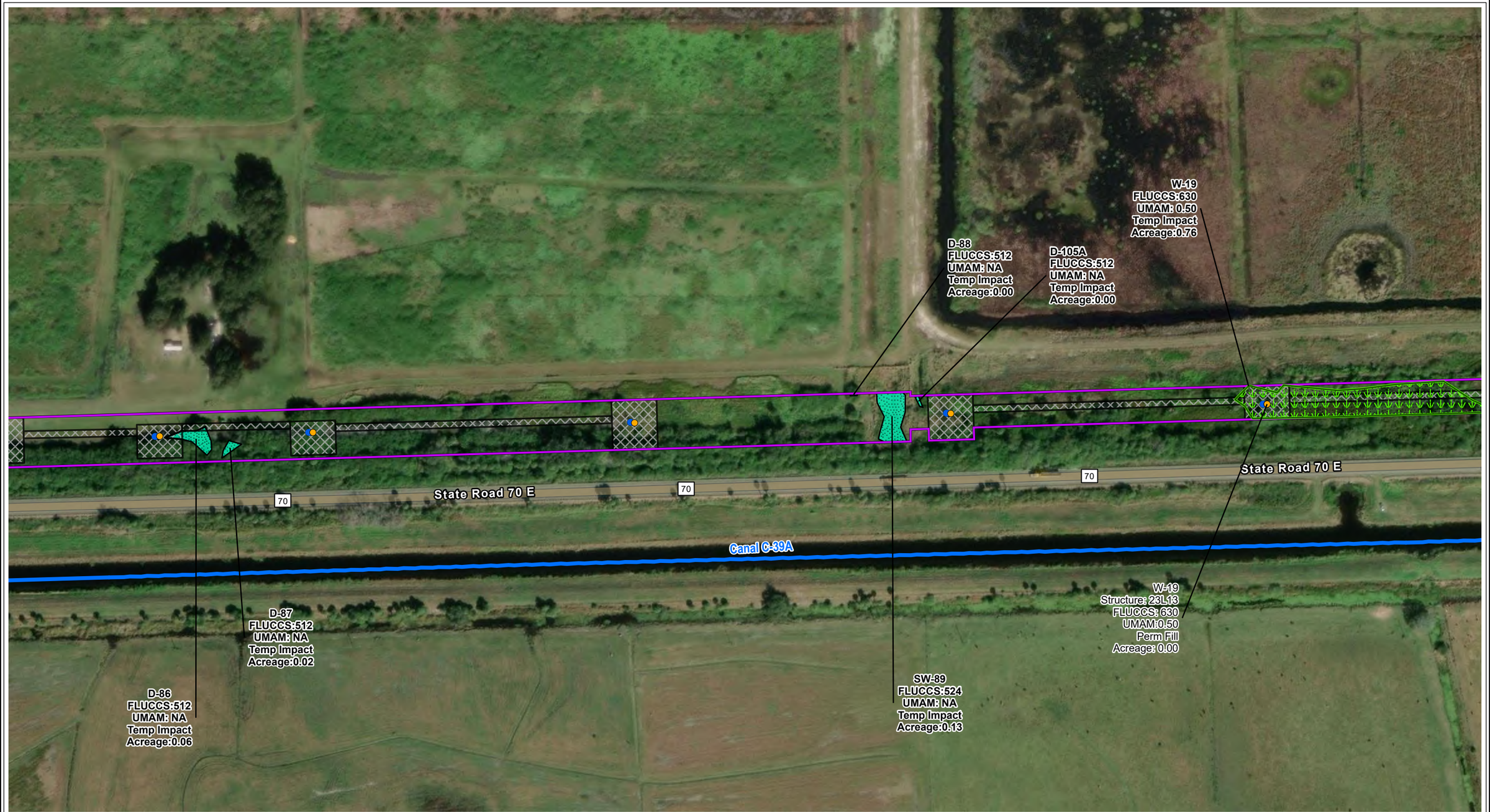
Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 13 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT



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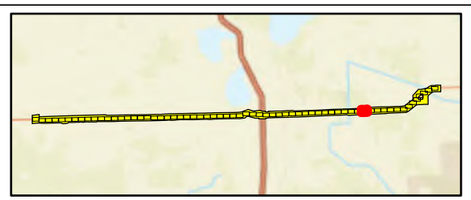

N

0 200 400
Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 14 of 64
Segment 3: Waterway – Dorr Field Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT

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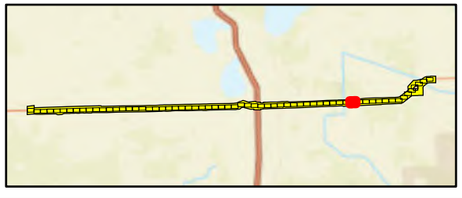

N

0 200 400

Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 15 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT

D-21A
FLUCCS:512
UMAM: NA
Temp Impact
Acreage:0.83

D-103B
FLUCCS:512
UMAM: NA
Temp Impact
Acreage:0.01

D-103B
FLUCCS:512
UMAM: NA
Temp Impact
Acreage:0.01

D-103B
FLUCCS:512
UMAM: NA
Temp Impact
Acreage:0.01

D-102B
FLUCCS:512
UMAM: NA
Temp Impact
Acreage:0.04

D-97
FLUCCS:512
UMAM: NA
Temp Impact
Acreage:0.01

D-96B
FLUCCS:512
UMAM: NA
Temp Impact
Acreage:0.01

D-92B
FLUCCS:512
UMAM: NA
Temp Impact
Acreage:1.78

Canal C-41

State Road 70 E

70

70

State Road 70 E

70

Canal C-39A

D-104B
FLUCCS:512
UMAM: NA
Temp Impact
Acreage:0.11

Canal C-41

SW-20
FLUCCS:510
UMAM: NA
Temp Impact
Acreage:0.21

D-101B
FLUCCS:512
UMAM: NA
Temp Impact
Acreage:0.05

D-100B
FLUCCS:512
UMAM: NA
Temp Impact
Acreage:0.68

D-99B
FLUCCS:512
UMAM: NA
Temp Impact
Acreage:0.03

- Existing Structure
- Proposed Structures
- Substation
- Waterway-Dorr Field Narrowed Corridor
- Waterway-Dorr Field Project Footprint

- Temp Matting
- Perm Maintained
- Temp Impact
- Perm Conversion

NWI

- Field Delineated Wetland
- Field Delineated Surface Water
- NHD Flowline
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Riverine

Please Note:
All Permanent Fill Structure impacts are <0.00 acres and are approx. 0.001154 acres.

N

0 200 400
Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 16 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida
Date: 8/30/2023

ECT

- Existing Structure
- Proposed Structures
- Substation
- Waterway-Dorr Field Narrowed Corridor
- Waterway-Dorr Field Project Footprint
- Temp Matting
- Perm Maintained
- Temp Impact
- Perm Conversion

NWI

- Field Delineated Wetland
- Field Delineated Surface Water
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- Freshwater Emergent Wetland
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- Riverine

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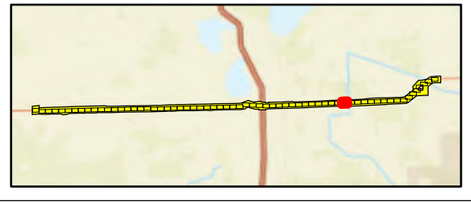

N

0 200 400

Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 17 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT

- Existing Structure
- Proposed Structures
- Substation
- Waterway-Dorr Field Narrowed Corridor
- Waterway-Dorr Field Project Footprint
- Temp Matting
- Perm Maintained
- Temp Impact
- Perm Conversion
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- Field Delineated Surface Water
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NWI

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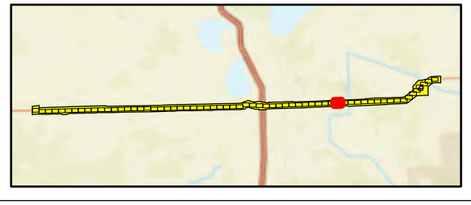

N

0 200 400

Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 18 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT

D-25B
FLUCCS:512
UMAM: NA
Temp Impact
Acreage:1.16

D-24
FLUCCS:512
UMAM: NA
Temp Impact
Acreage:0.78

D-24
FLUCCS:512
UMAM: NA
Temp Impact
Acreage:0.78

D and B Rd

State Road 70 E

70

Southwind Rd

- Existing Structure
- Proposed Structures
- Substation
- Waterway-Dorr Field Narrowed Corridor
- Waterway-Dorr Field Project Footprint
- Temp Matting
- Perm Maintained
- Temp Impact
- Perm Conversion

NWI

- Field Delineated Wetland
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N

0 200 400
Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 19 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT

- Existing Structure
- Proposed Structures
- Substation
- Waterway-Dorr Field Narrowed Corridor
- Waterway-Dorr Field Project Footprint
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- Perm Maintained
- Temp Impact
- Perm Conversion

NWI

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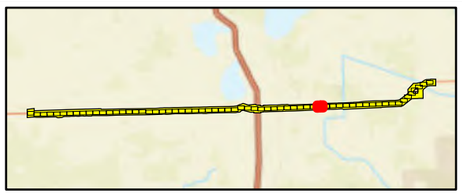

N

0 200 400

Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 20 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT

- Existing Structure
- Proposed Structures
- Substation
- Waterway-Dorr Field Narrowed Corridor
- Waterway-Dorr Field Project Footprint
- Temp Matting
- Perm Maintained
- Temp Impact
- Perm Conversion

NWI

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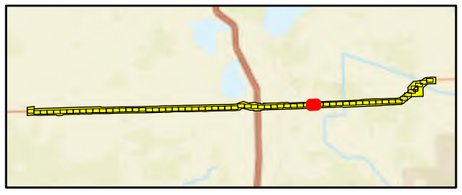

N

0 200 400

Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 21 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT

- Existing Structure
- Proposed Structures
- Substation
- Waterway-Dorr Field Narrowed Corridor
- Waterway-Dorr Field Project Footprint
- Temp Matting
- Perm Maintained
- Temp Impact
- Perm Conversion

NWI

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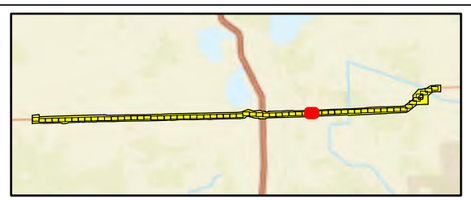


N

0 200 400

Feet

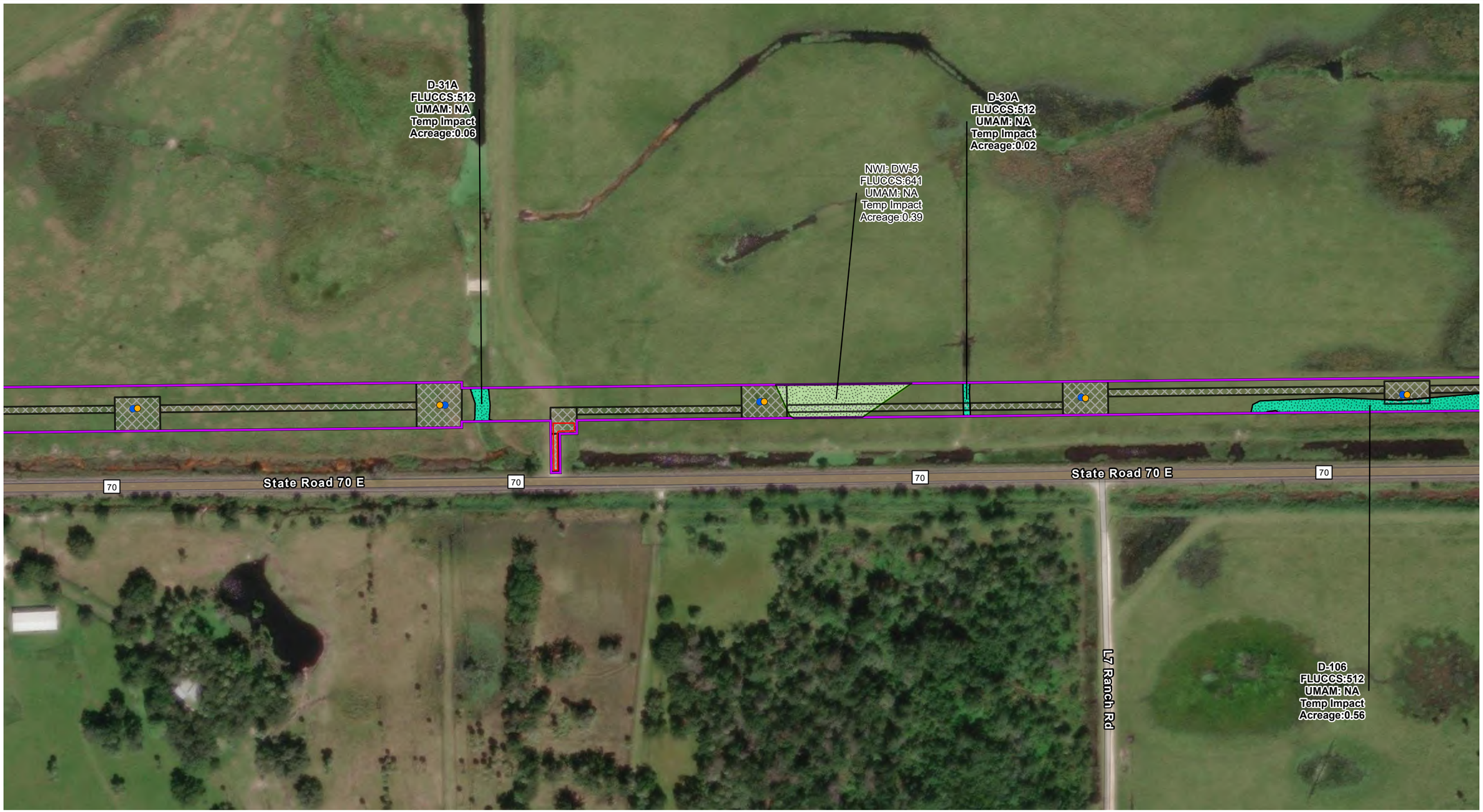
Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 22 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT



- Existing Structure
- Proposed Structures
- Substation
- Waterway-Dorr Field Narrowed Corridor
- Waterway-Dorr Field Project Footprint
- Temp Matting
- Perm Maintained
- Temp Impact
- Perm Conversion

NWI

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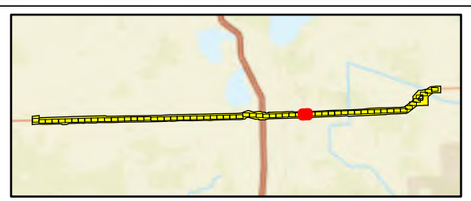

N

0 200 400
Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 23 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida
Date: 8/30/2023

ECT

- Existing Structure
- Proposed Structures
- Substation
- Waterway-Dorr Field Narrowed Corridor
- Waterway-Dorr Field Project Footprint
- Temp Matting
- Perm Maintained
- Temp Impact
- Perm Conversion

NWI

- Field Delineated Wetland
- Field Delineated Surface Water
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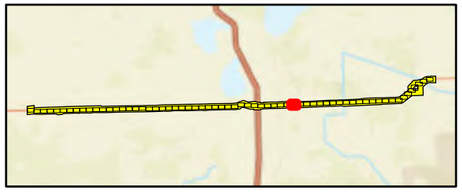


N

0 200 400

Feet

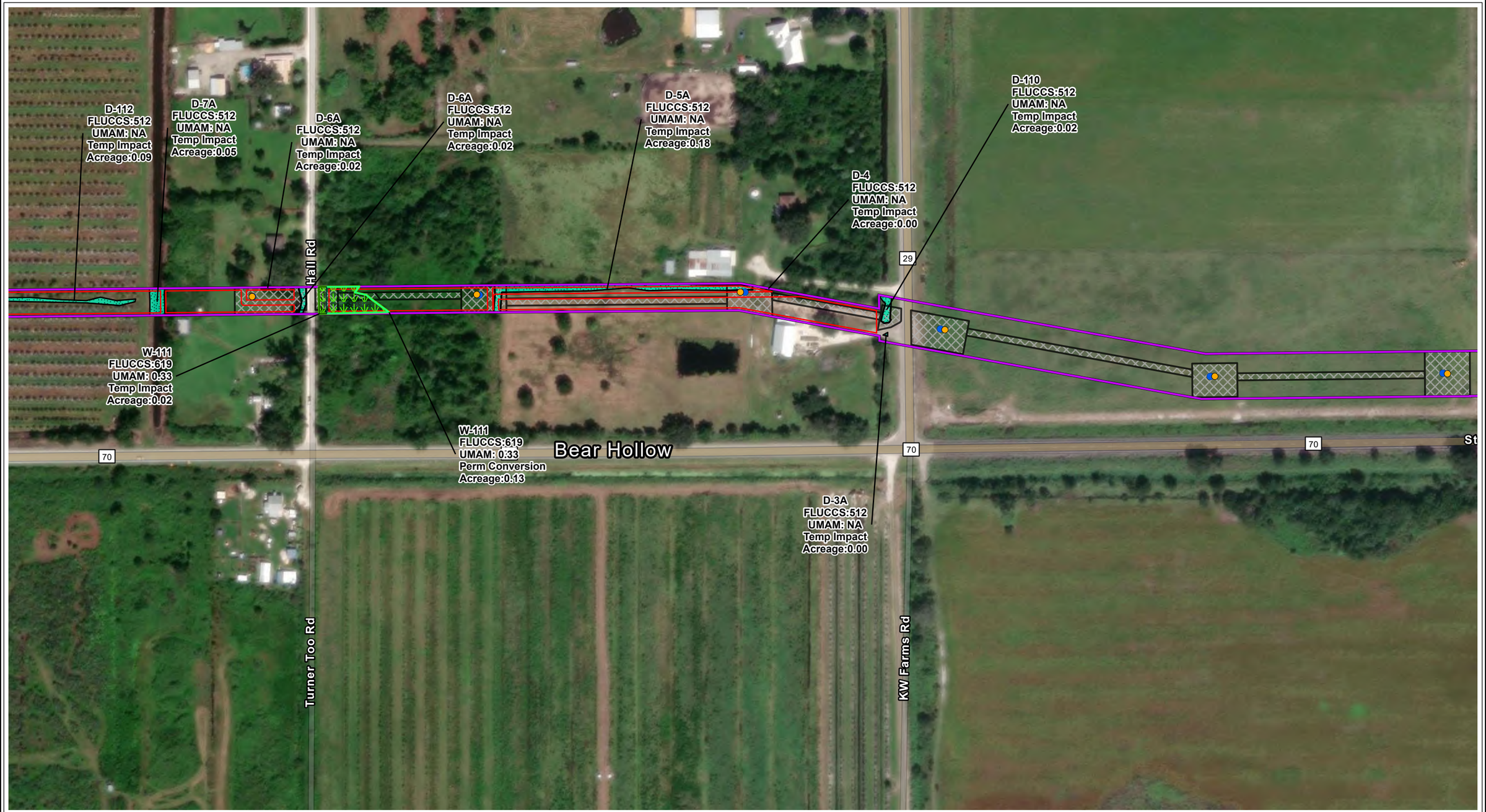
Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 24 of 64
Segment 3: Waterway – Dorr Field Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT



- Existing Structure
- Proposed Structures
- Substation
- Waterway-Dorr Field Narrowed Corridor
- Waterway-Dorr Field Project Footprint
- Temp Matting
- Perm Maintained
- Temp Impact
- Perm Conversion

NWI

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- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
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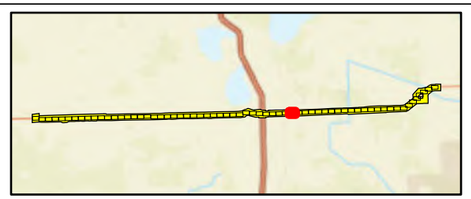


N

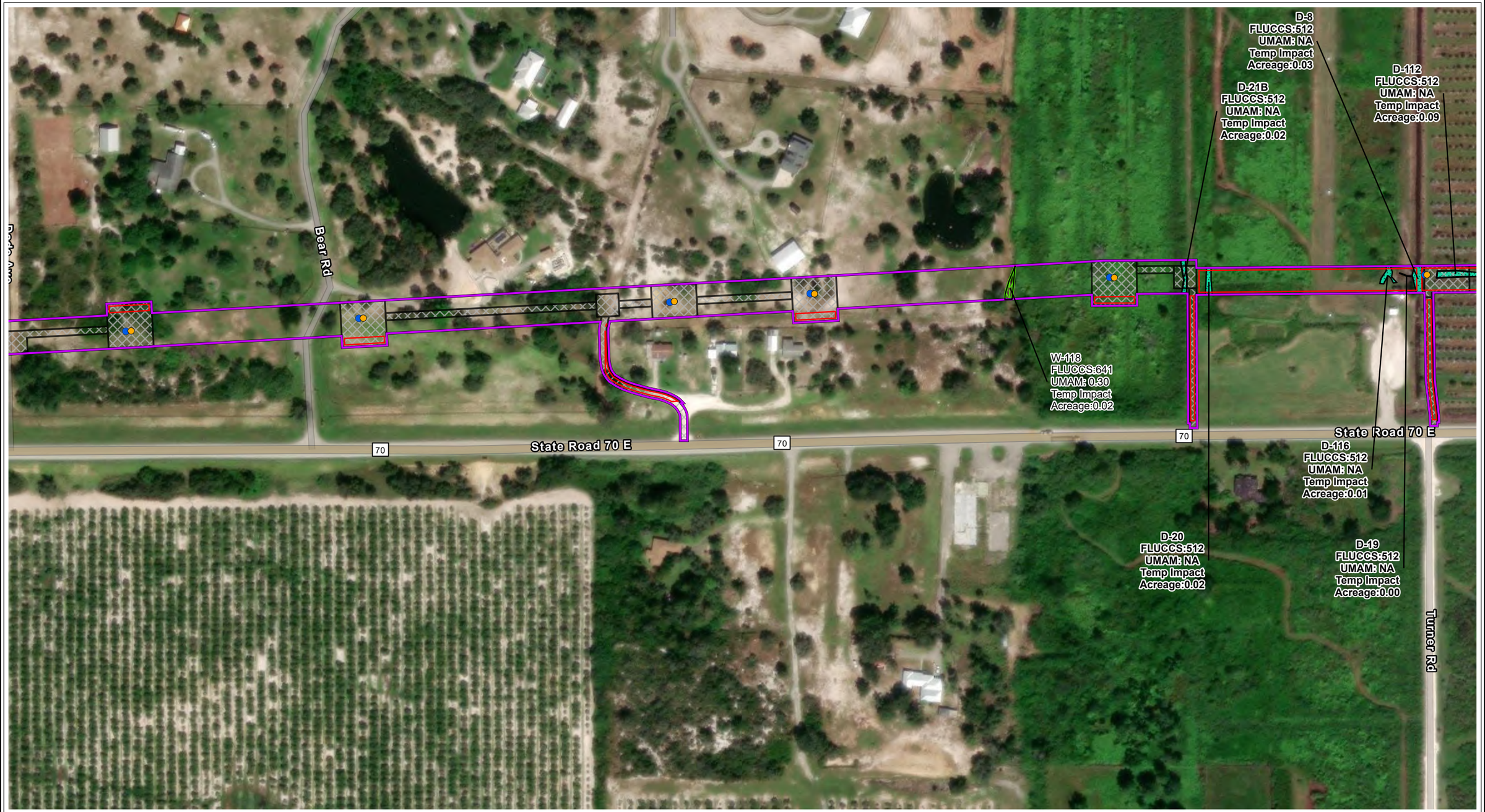
0 200 400
Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 25 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida
Date: 8/30/2023

ECT



- Existing Structure
- Proposed Structures
- Substation
- Waterway-Dorr Field Narrowed Corridor
- Waterway-Dorr Field Project Footprint
- Temp Matting
- Perm Maintained
- Temp Impact
- Perm Conversion

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- NHD Flowline
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- Freshwater Forested/Shrub Wetland
- Riverine

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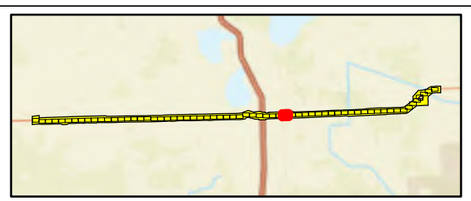

N

0 200 400
Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 26 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT

- Existing Structure
- Proposed Structures
- Substation
- Waterway-Dorr Field Narrowed Corridor
- Waterway-Dorr Field Project Footprint
- Temp Matting
- Perm Maintained
- Temp Impact
- Perm Conversion

NWI

- Field Delineated Wetland
- Field Delineated Surface Water
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- Freshwater Forested/Shrub Wetland
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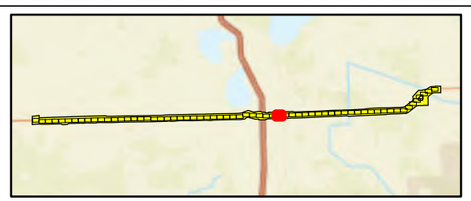

N

0 200 400
Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 27 of 64
Segment 3: Waterway – Dorr Field Wetland Impact Map

Highlands and DeSoto Counties, Florida
Date: 8/30/2023

ECT

Existing Structure
Proposed Structures
Substation
Waterway-Dorr Field Narrowed Corridor
Waterway-Dorr Field Project Footprint

Temp Matting
Perm Maintained
Temp Impact
Perm Conversion

NWI
Field Delineated Wetland
Field Delineated Surface Water
NHD Flowline
Freshwater Emergent Wetland
Freshwater Forested/Shrub Wetland
Riverine

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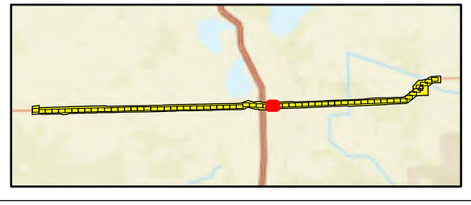

N

0 200 400
Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 28 of 64
Segment 3: Waterway – Dorr Field Wetland Impact Map

Highlands and DeSoto Counties, Florida
Date: 8/30/2023

ECT

- Existing Structure
- Proposed Structures
- Substation
- Waterway-Dorr Field Narrowed Corridor
- Waterway-Dorr Field Project Footprint
- Temp Matting
- Perm Maintained
- Temp Impact
- Perm Conversion

NWI

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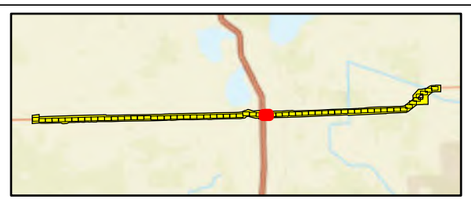


N

0 200 400
Feet

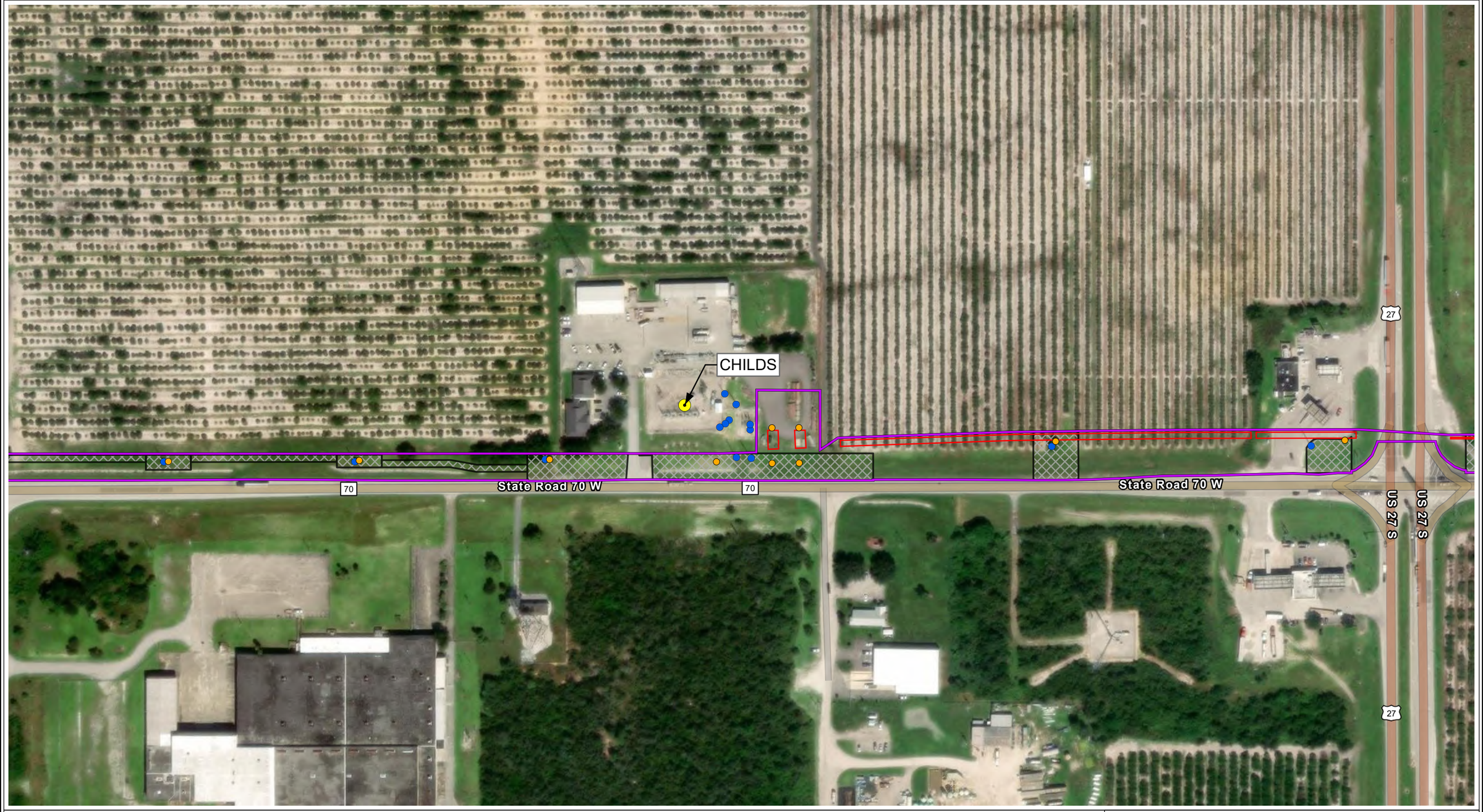
Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 29 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT



- Existing Structure
- Proposed Structures
- Substation
- Waterway-Dorr Field Narrowed Corridor
- Waterway-Dorr Field Project Footprint
- Temp Matting
- Perm Maintained
- Temp Impact
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NWI

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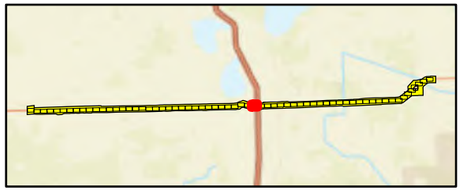


N

0 200 400
Feet

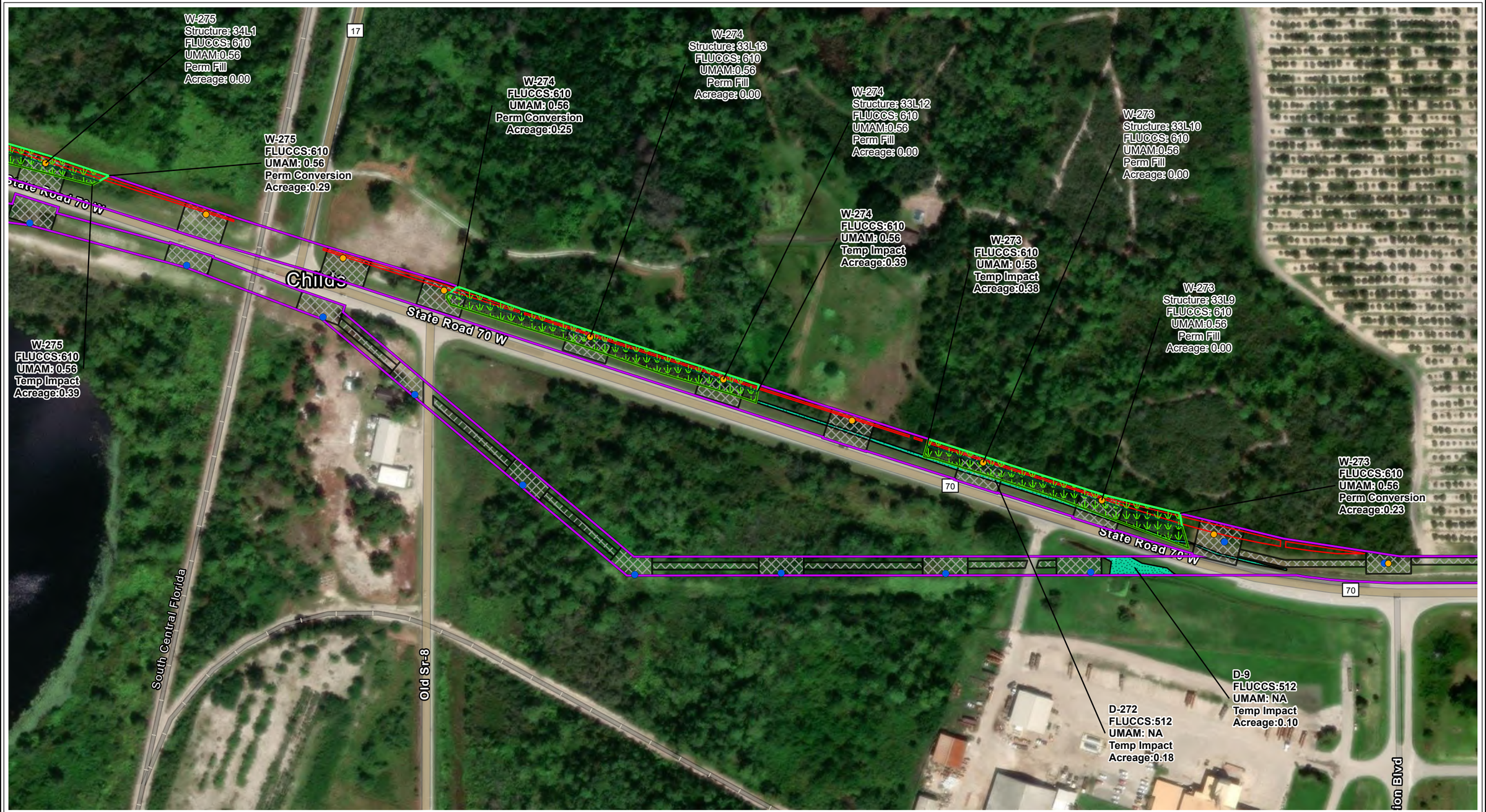
Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 30 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT



- Existing Structure
- Proposed Structures
- Substation
- Waterway-Dorr Field Narrowed Corridor
- Waterway-Dorr Field Project Footprint
- Temp Matting
- Perm Maintained
- Temp Impact
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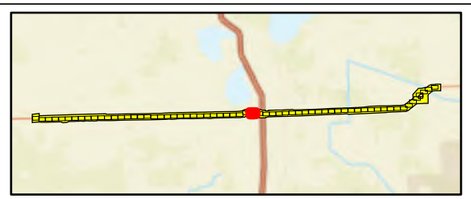

N

0 200 400
Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 31 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT

- Existing Structure
- Proposed Structures
- Substation
- Waterway-Dorr Field Narrowed Corridor
- Waterway-Dorr Field Project Footprint
- Temp Matting
- Perm Maintained
- Temp Impact
- Perm Conversion

NWI

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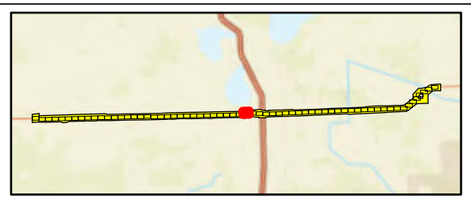

N

0 200 400
Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 32 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida
Date: 8/30/2023

ECT

- Existing Structure
- Proposed Structures
- Substation
- Waterway-Dorr Field Narrowed Corridor
- Waterway-Dorr Field Project Footprint

- Temp Matting
- Perm Maintained
- Temp Impact
- Perm Conversion

NWI

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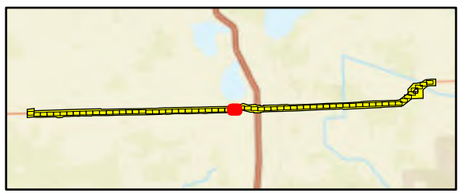

N

0 200 400

Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 33 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT

- Existing Structure
- Proposed Structures
- Substation
- Waterway-Dorr Field Narrowed Corridor
- Waterway-Dorr Field Project Footprint
- Temp Matting
- Perm Maintained
- Temp Impact
- Perm Conversion

NWI

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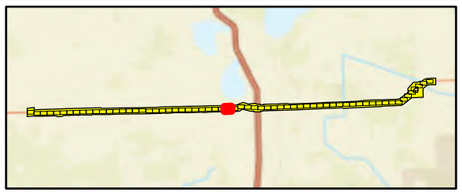

N

0 200 400

Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 34 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT

- Existing Structure
- Proposed Structures
- Substation
- Waterway-Dorr Field Narrowed Corridor
- Waterway-Dorr Field Project Footprint
- Temp Matting
- Perm Maintained
- Temp Impact
- Perm Conversion

NWI

- Field Delineated Wetland
- Field Delineated Surface Water
- NHD Flowline
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Riverine

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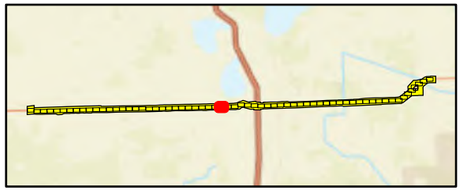

N

0 200 400
Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 35 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida
Date: 8/30/2023

ECT

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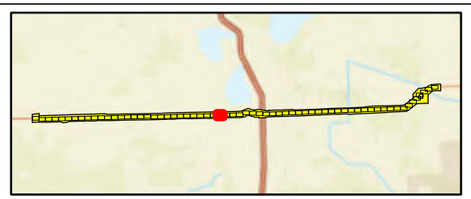

N

0 200 400

Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 36 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT

- Existing Structure
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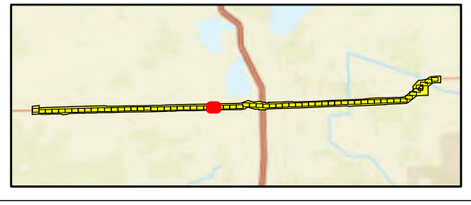

N

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Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 37 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida
Date: 8/30/2023

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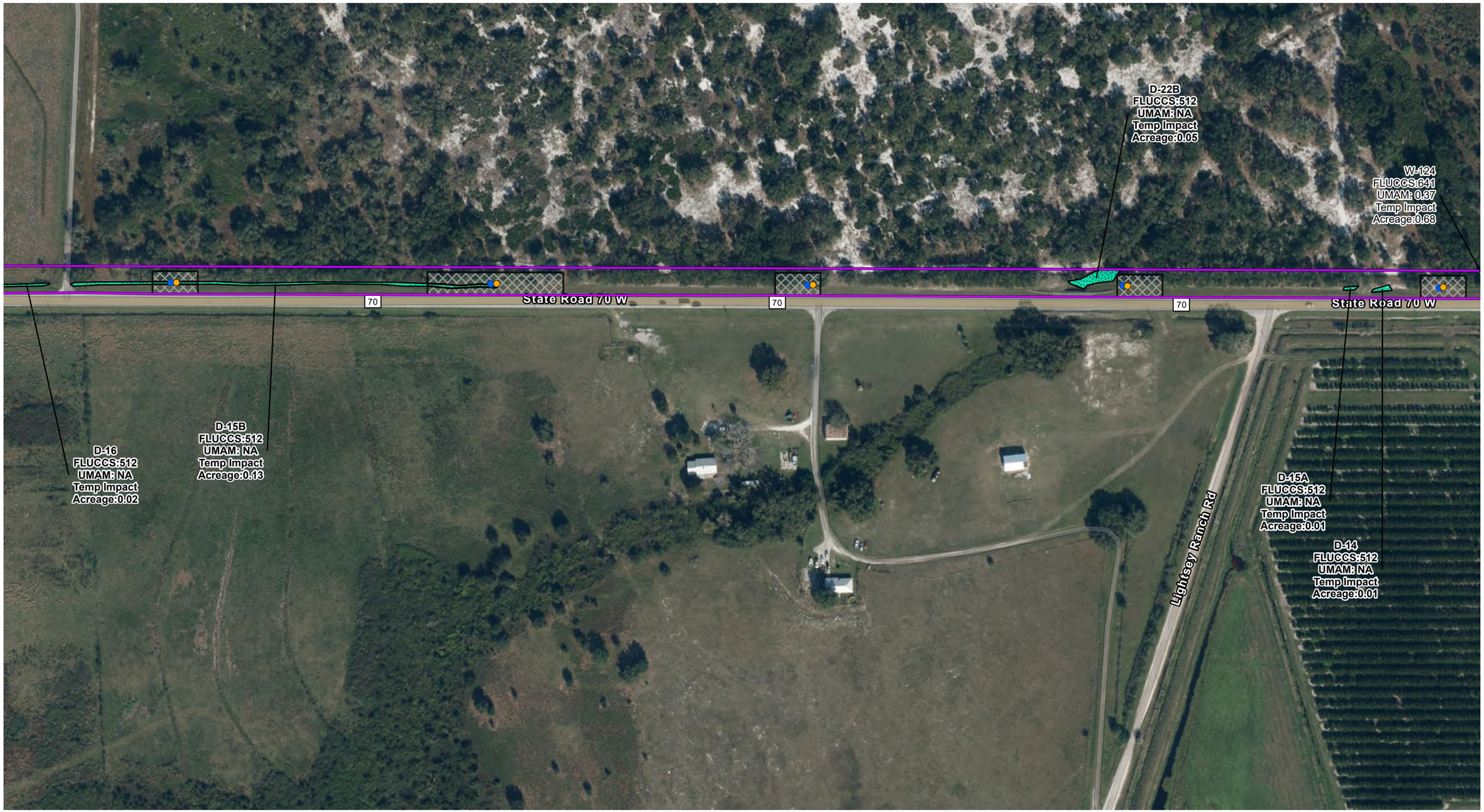

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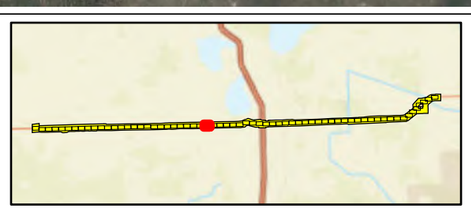

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Feet

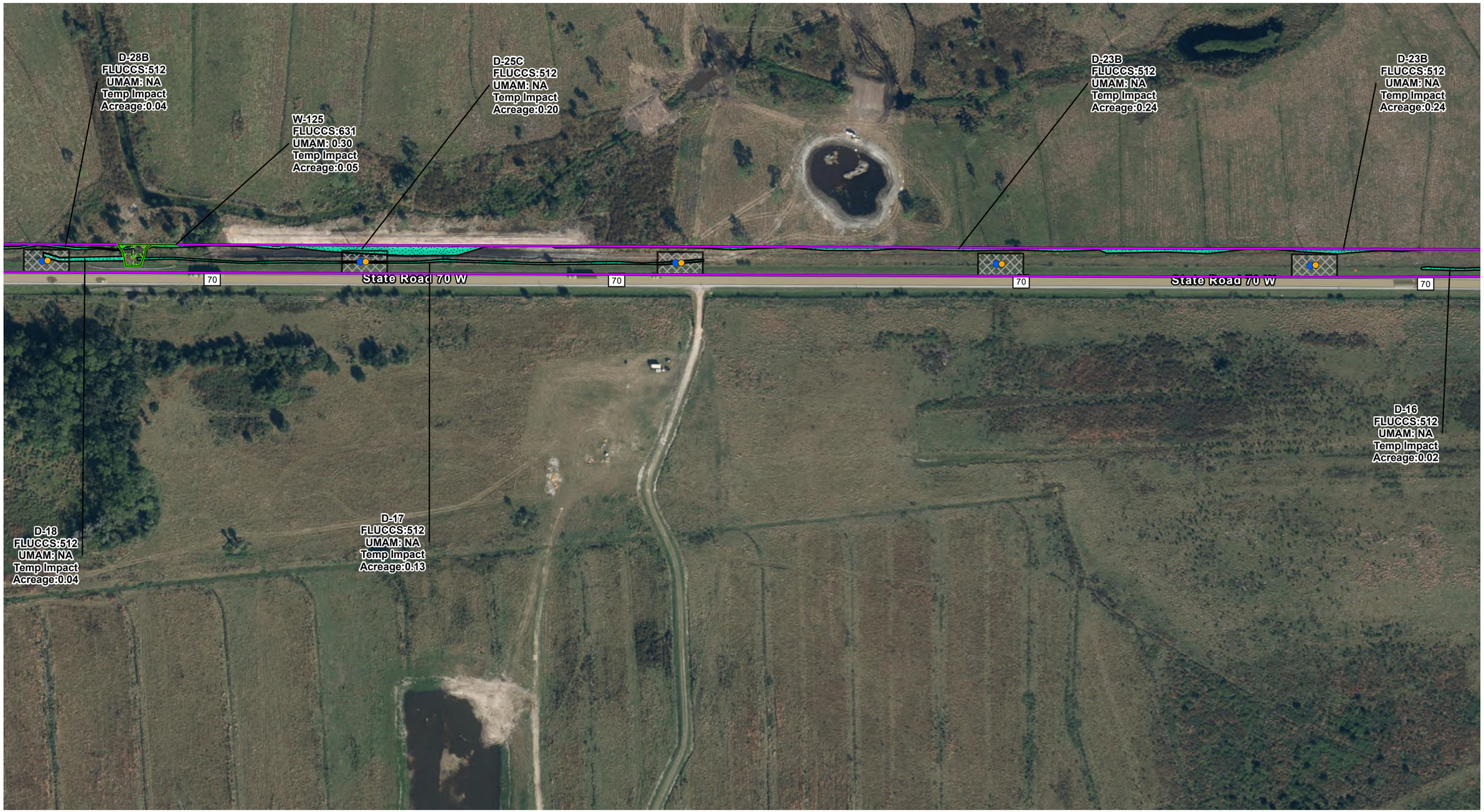
Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 38 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT



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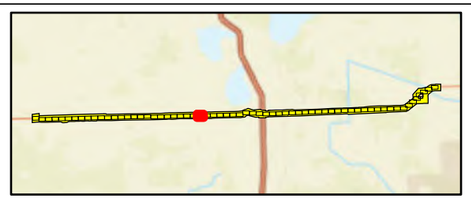


N

0 200 400

Feet

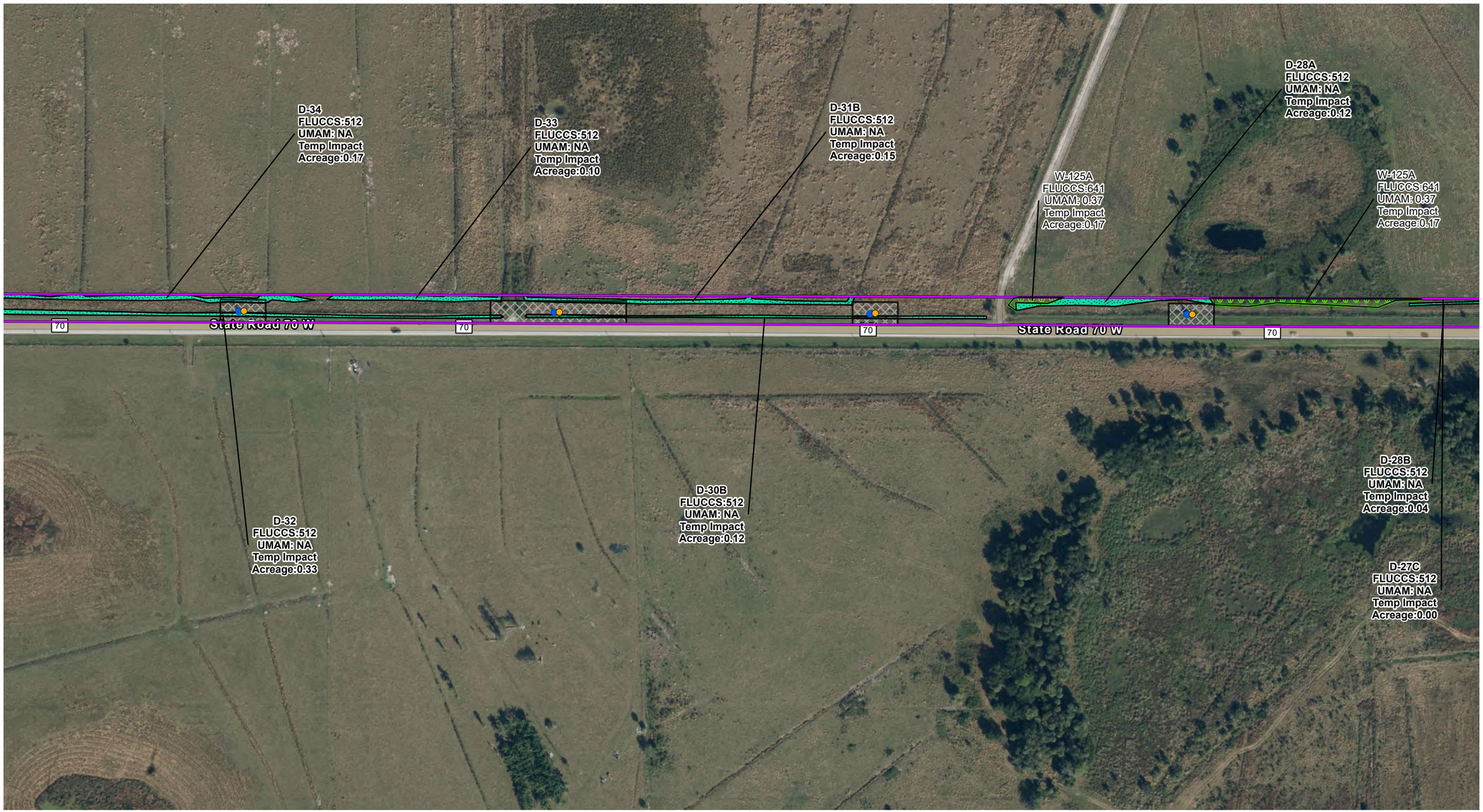
Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 39 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT



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- Substation
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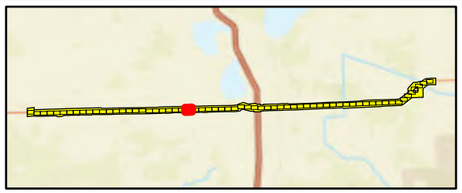

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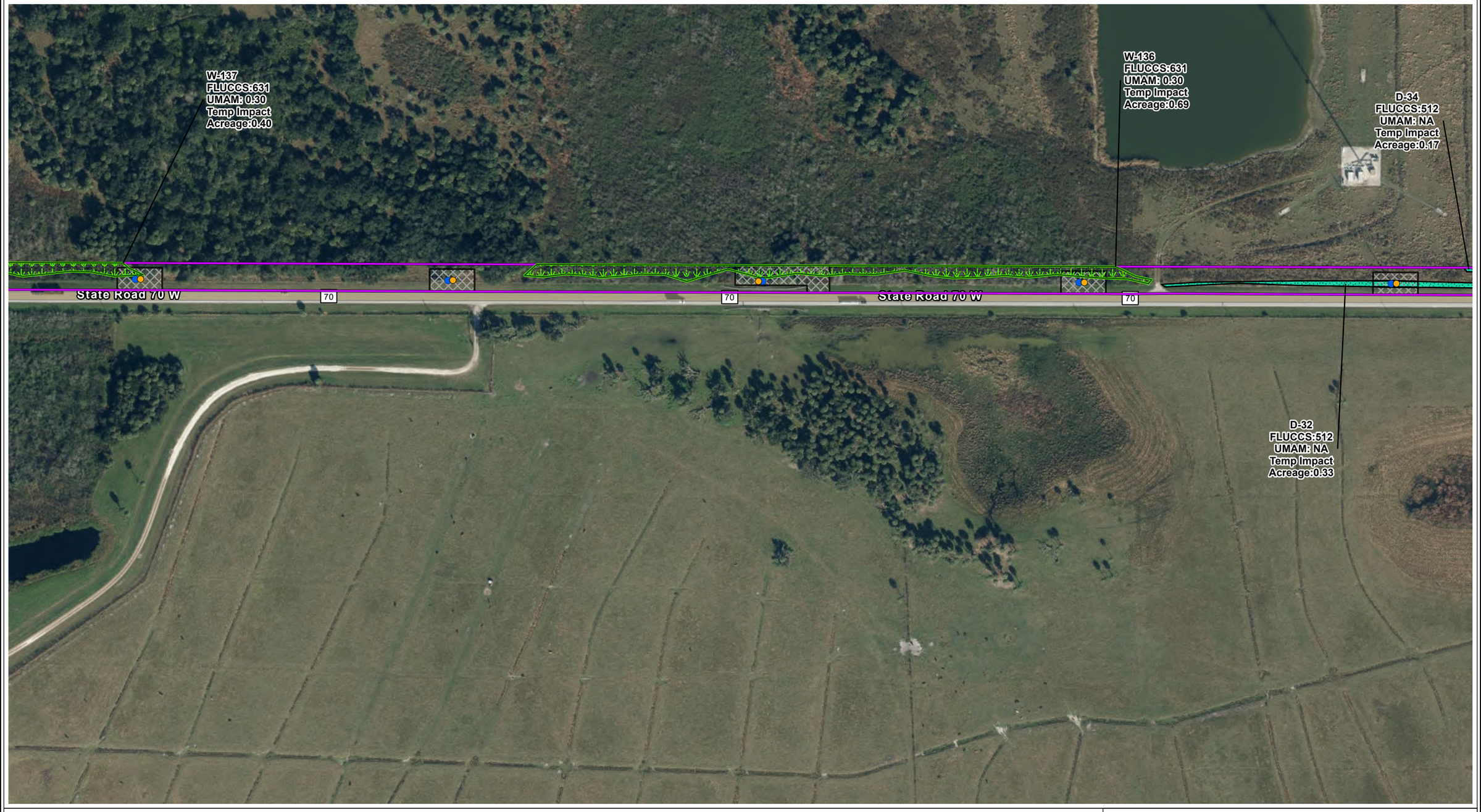
0 200 400
Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 40 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida
Date: 8/30/2023

ECT



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- Substation
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- Perm Maintained
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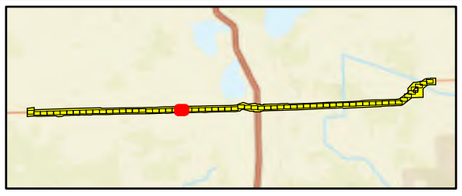


N

0 200 400
Feet

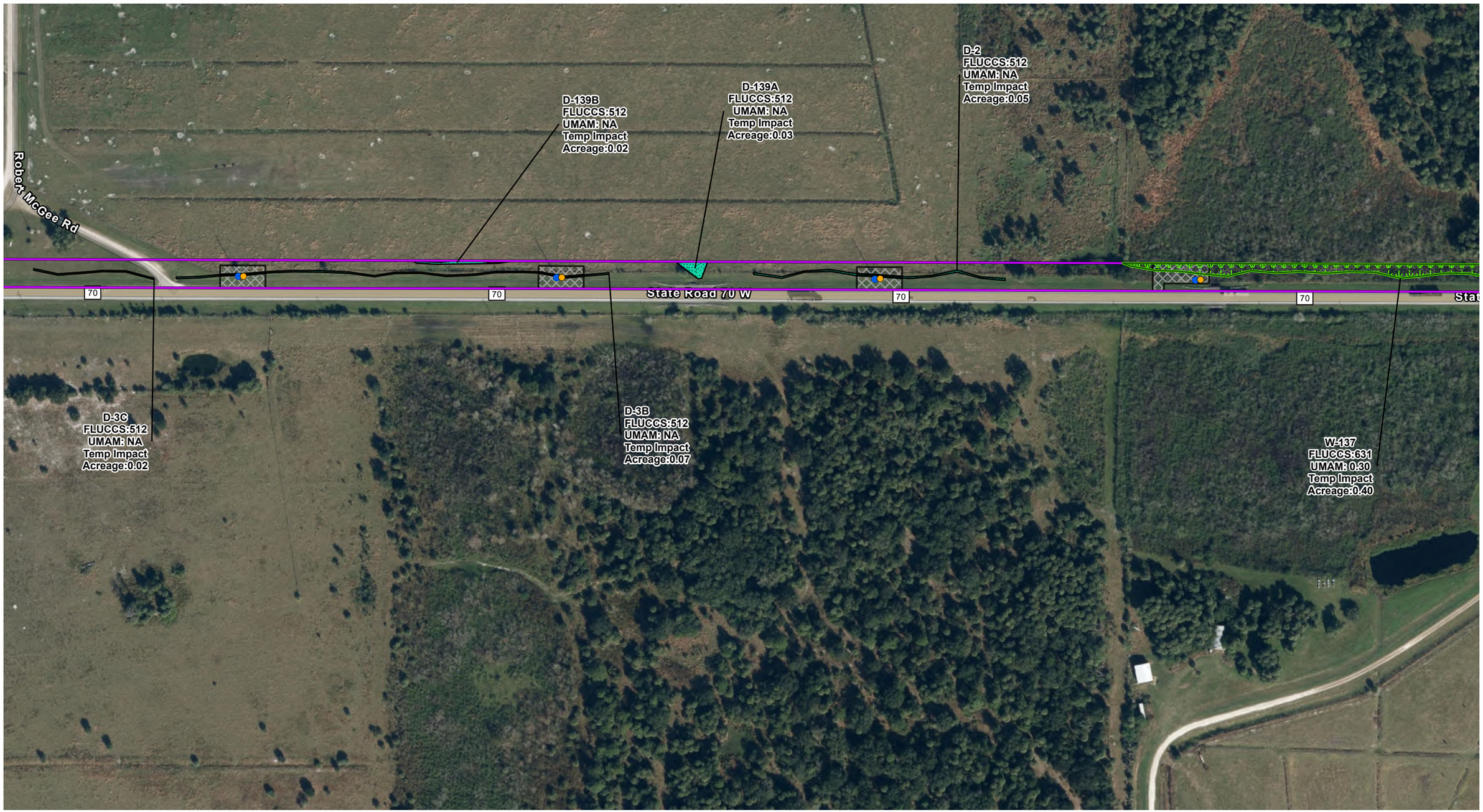
Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 41 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT



- Existing Structure
- Proposed Structures
- Substation
- Waterway-Dorr Field Narrowed Corridor
- Waterway-Dorr Field Project Footprint
- Temp Matting
- Perm Maintained
- Temp Impact
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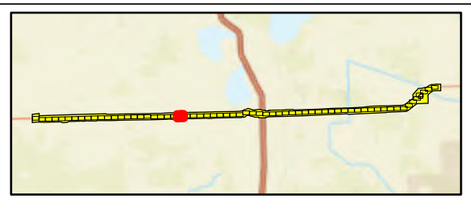

N

0 200 400

Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 42 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT

- Existing Structure
- Proposed Structures
- Substation
- Waterway-Dorr Field Narrowed Corridor
- Waterway-Dorr Field Project Footprint
- Temp Matting
- Perm Maintained
- Temp Impact
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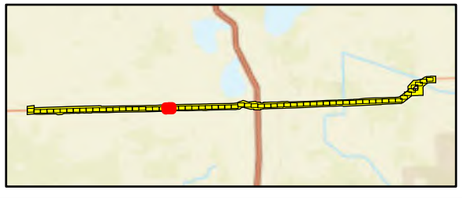


N

0 200 400

Feet

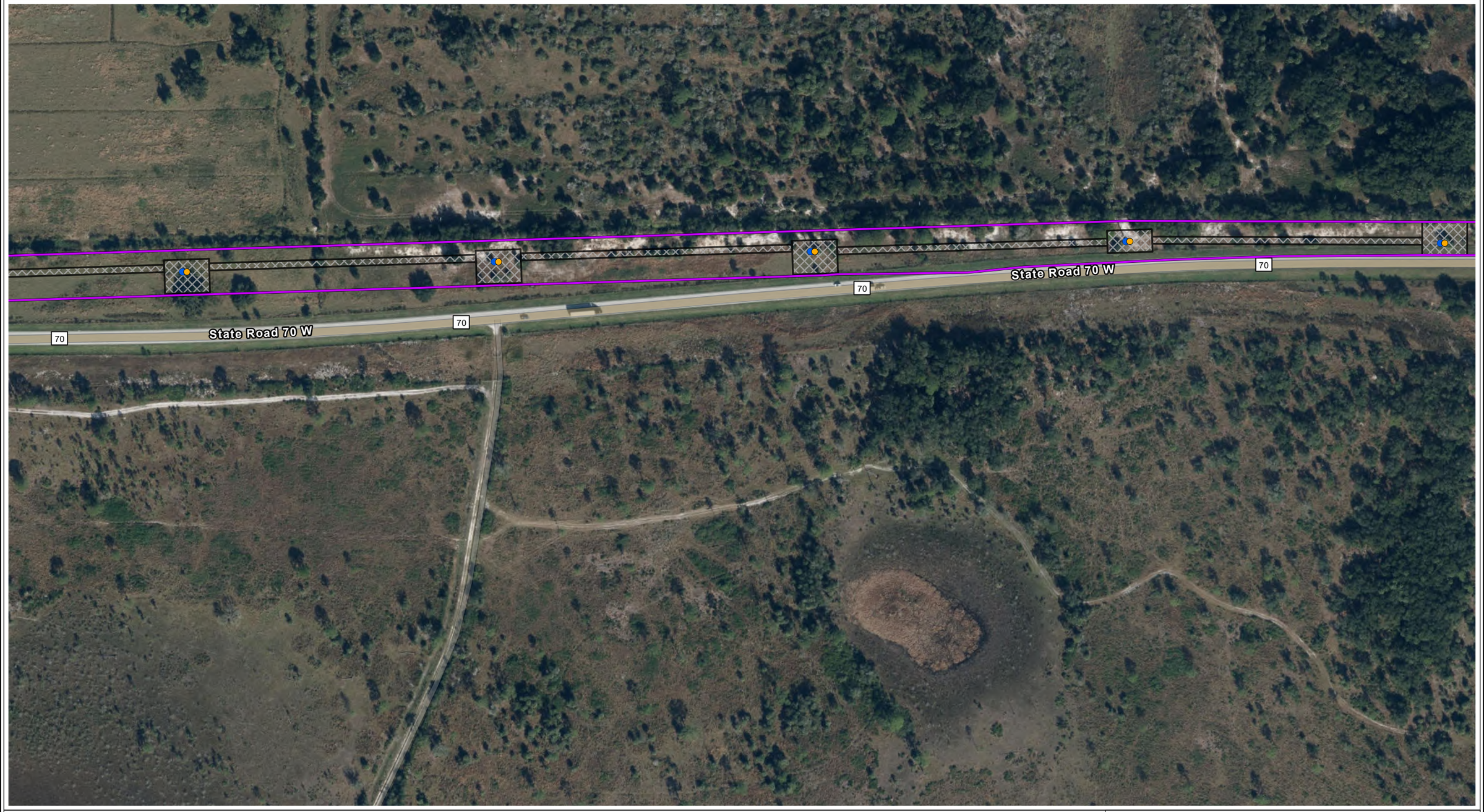
Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 43 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT



Existing Structure
Proposed Structures
Substation
Waterway-Dorr Field Narrowed Corridor
Waterway-Dorr Field Project Footprint

Temp Matting
Perm Maintained
Temp Impact
Perm Conversion

Field Delineated Wetland
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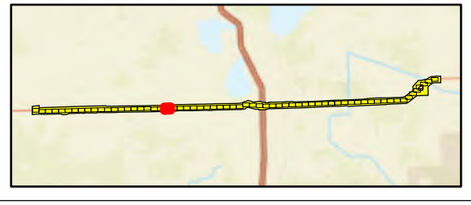

N

0 200 400
Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 44 of 64
Segment 3: Waterway – Dorr Field Wetland Impact Map

Highlands and DeSoto Counties, Florida
Date: 8/30/2023

ECT

- Existing Structure
- Proposed Structures
- Substation
- Waterway-Dorr Field Narrowed Corridor
- Waterway-Dorr Field Project Footprint
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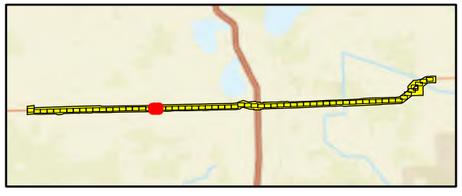

N

0 200 400

Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 45 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT

Existing Structure
Proposed Structures
Substation
Waterway-Dorr Field Narrowed Corridor
Waterway-Dorr Field Project Footprint

Temp Matting
Perm Maintained
Temp Impact
Perm Conversion

Field Delineated Wetland
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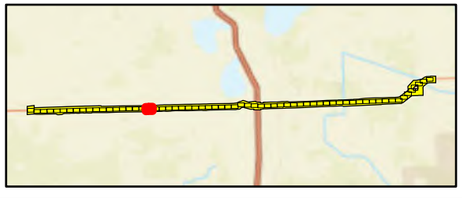

N

0 200 400
Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 46 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT

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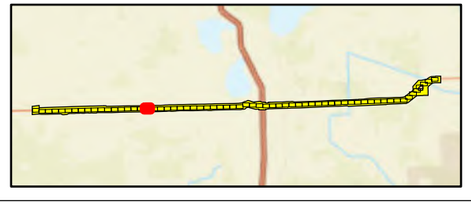

N

0 200 400

Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 47 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT

D-150B
FLUCCS:512
UMAM: NA
Temp Impact
Acreage:0.64

W-149
FLUCCS:641
UMAM: 0.33
Temp Impact
Acreage:1.43

70 State Road 70 W 70 70 State Road 70 W 70

D-150A
FLUCCS:512
UMAM: NA
Temp Impact
Acreage:0.86

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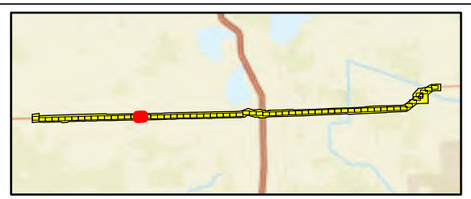

N

0 200 400
Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 48 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida
Date: 8/30/2023

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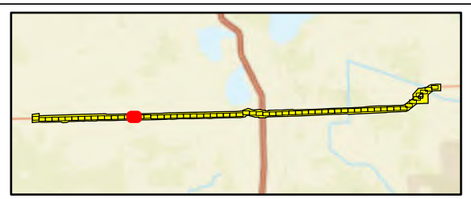

N

0 200 400
Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 49 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT

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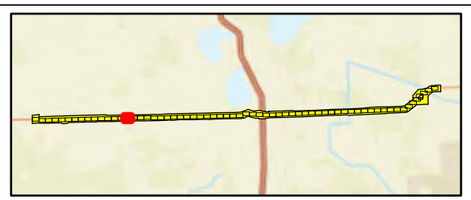

N

0 200 400
Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 50 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

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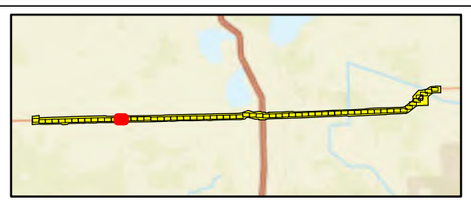

N

0 200 400
Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 51 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

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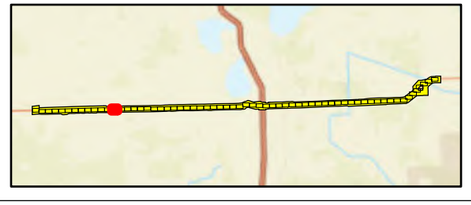

N

0 200 400

Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 52 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

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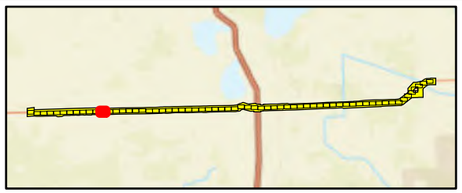
- Waterway-Dorr Field Project Footprint
- Temp Matting
- Perm Maintained
- Temp Impact
- Perm Conversion

NWI

- Field Delineated Wetland
- Field Delineated Surface Water
- NHD Flowline
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Riverine

Please Note:
All Permanent Fill Structure impacts are <0.00 acres and are approx. 0.001154 acres.



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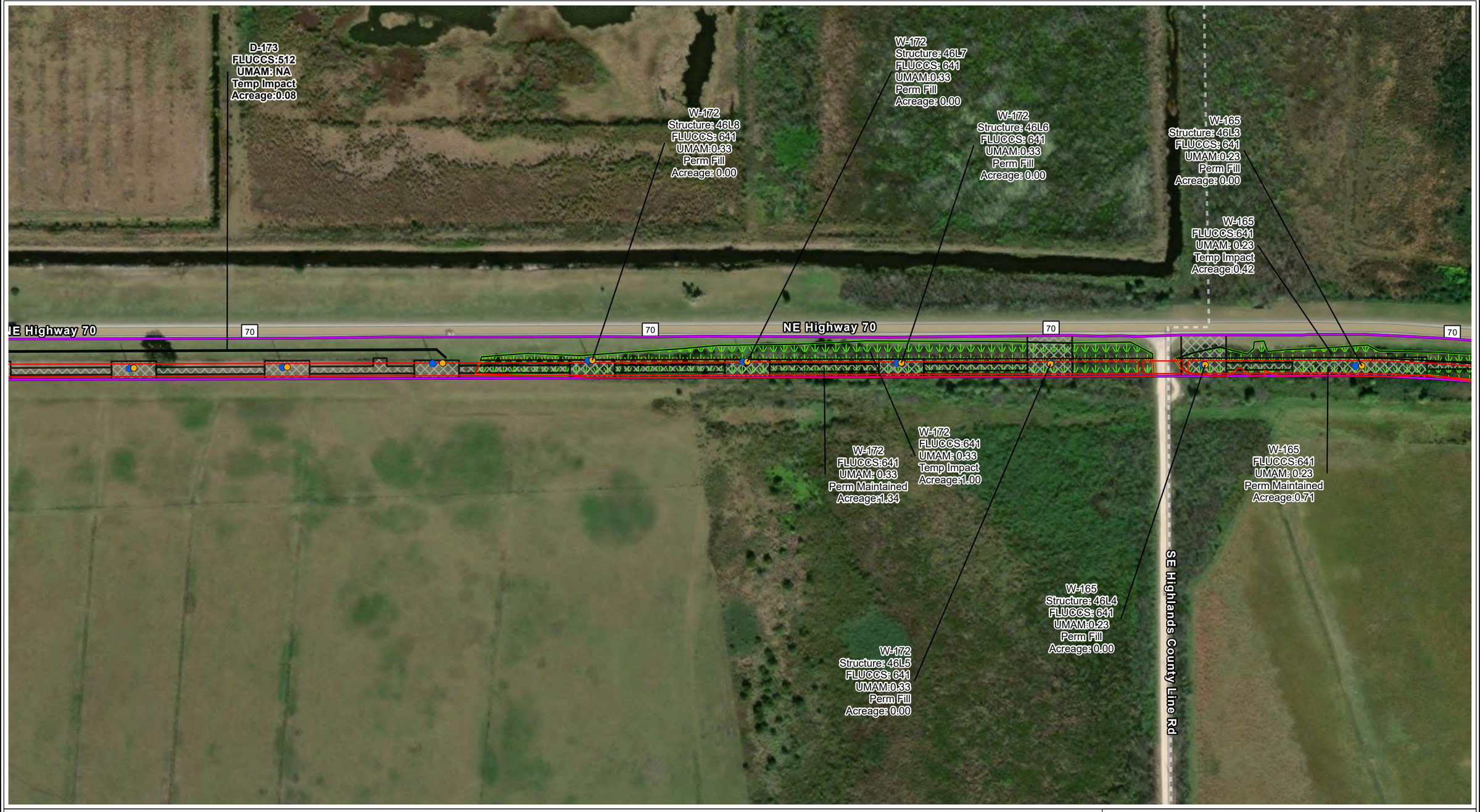
Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 53 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT



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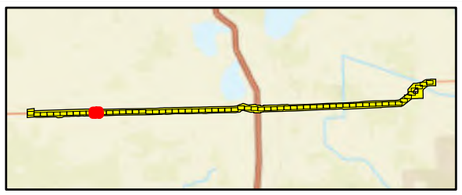

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Feet

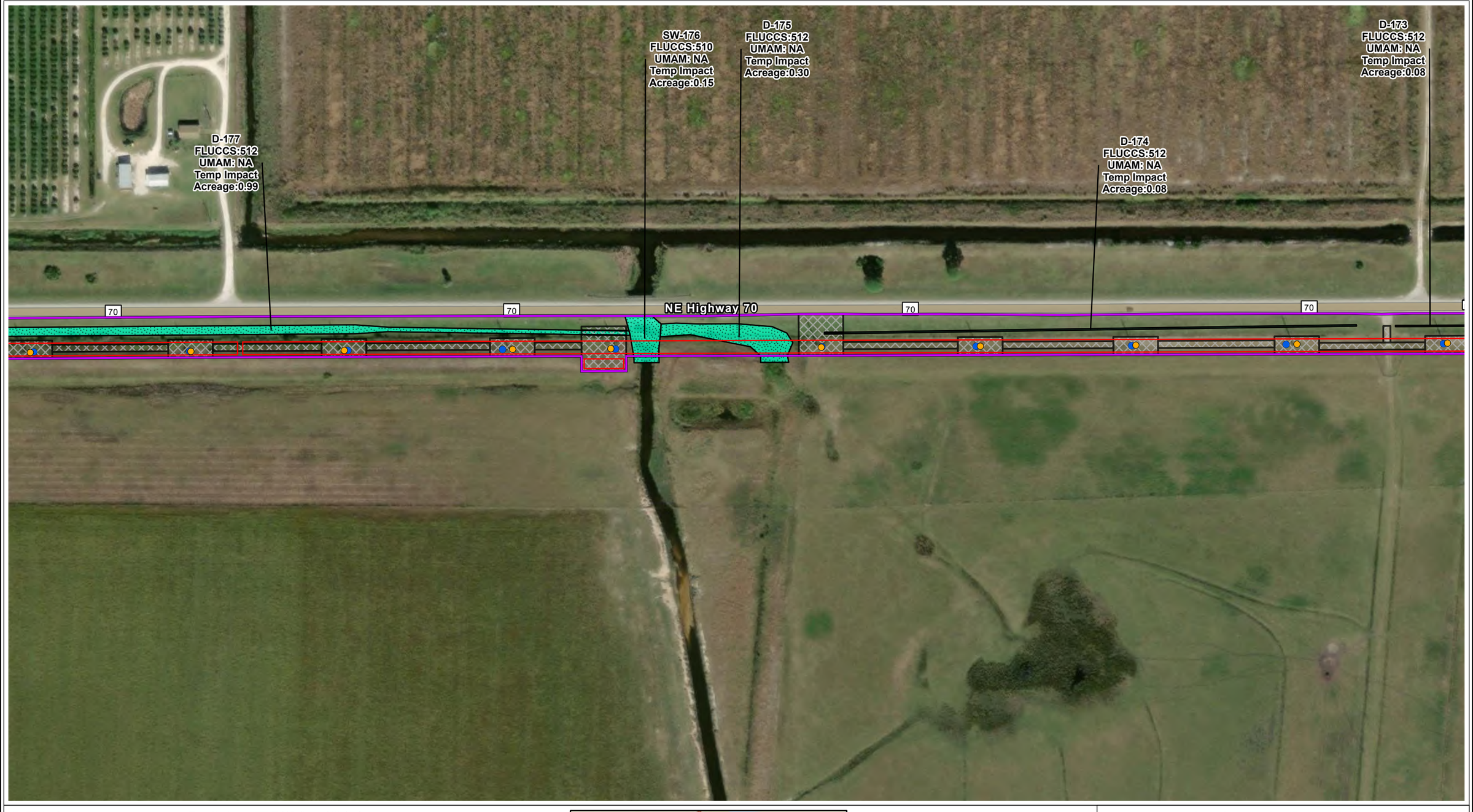
Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 54 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT



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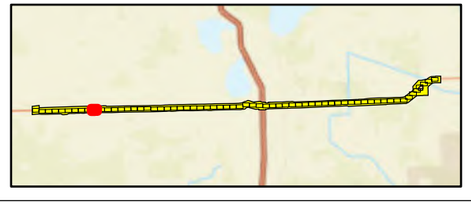

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Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 55 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida
Date: 8/30/2023

ECT

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Waterway-Dorr Field Narrowed Corridor
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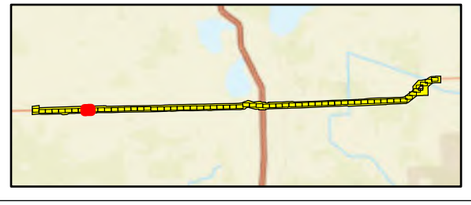

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Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 56 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida
Date: 8/30/2023

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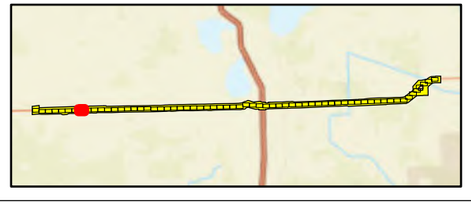

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Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 57 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida
Date: 8/30/2023

ECT

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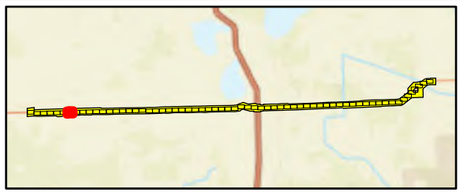

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Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 58 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT

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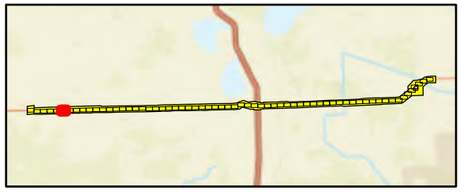

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Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 59 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

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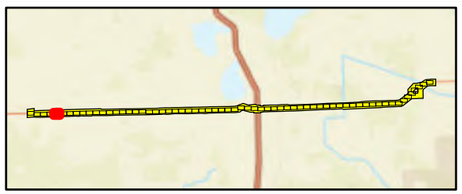

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Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 60 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

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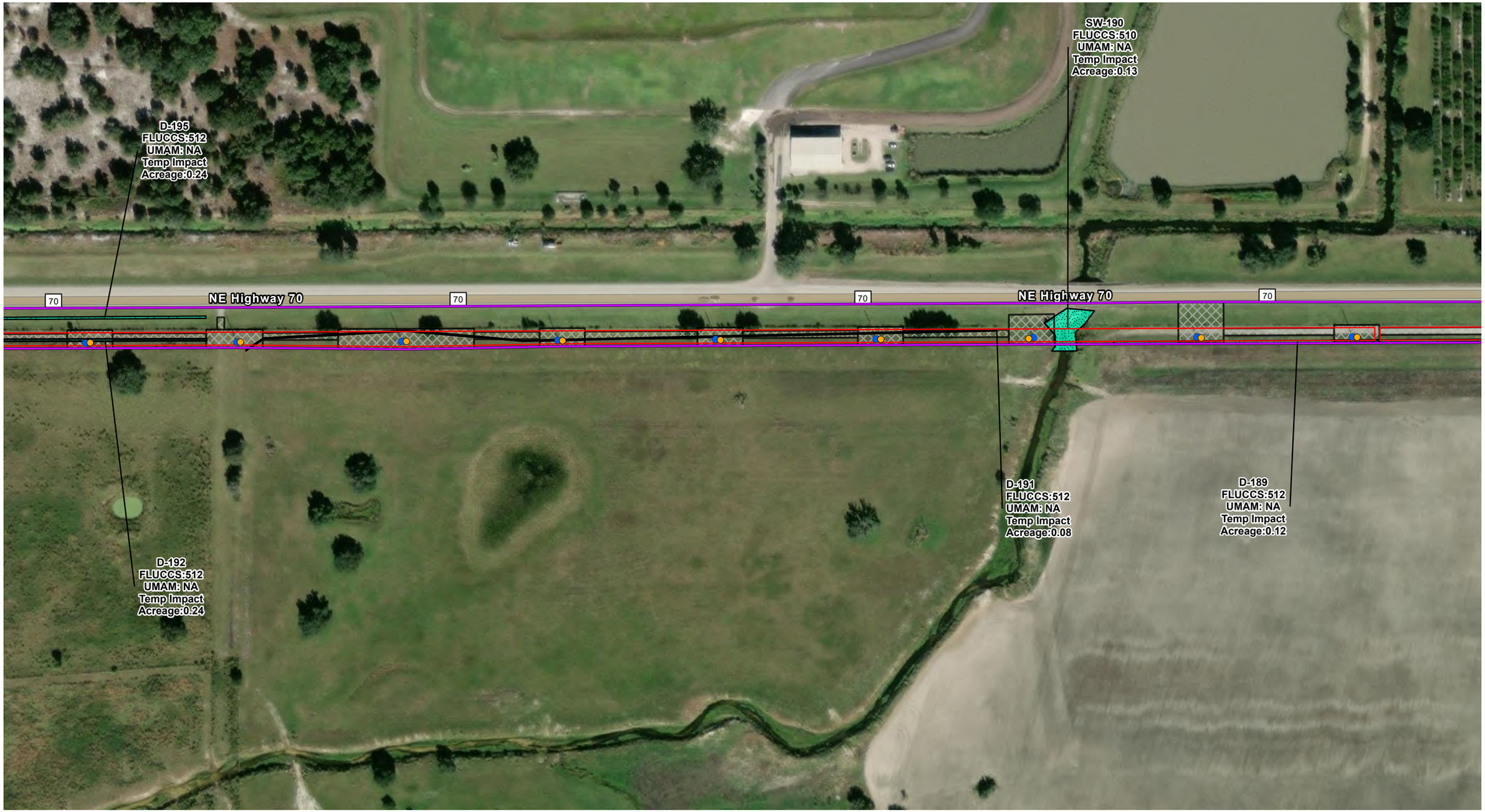

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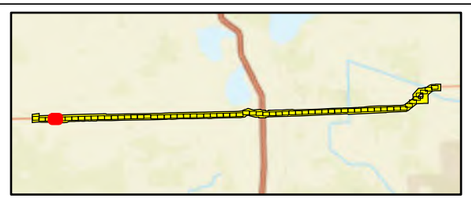

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Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 61 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

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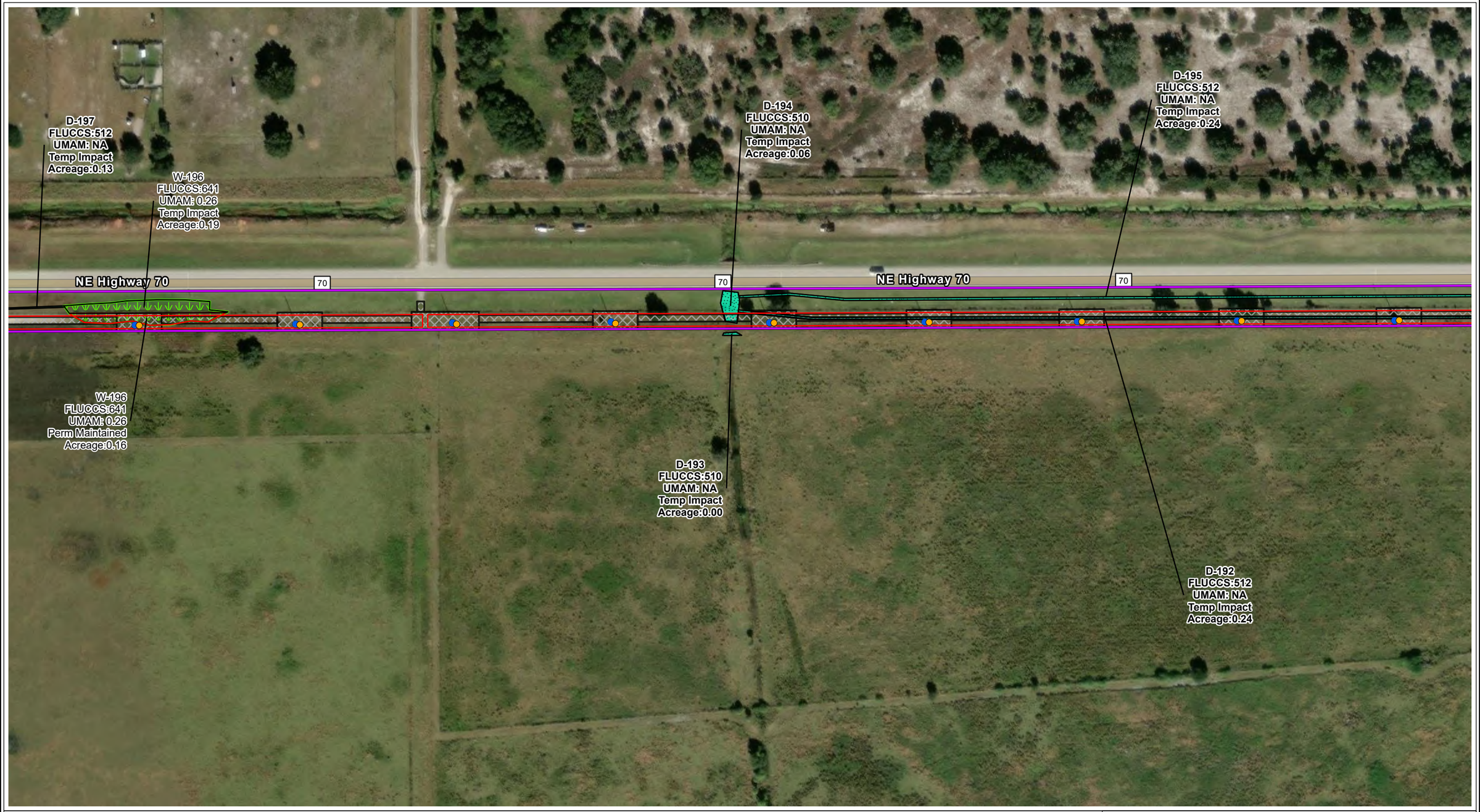

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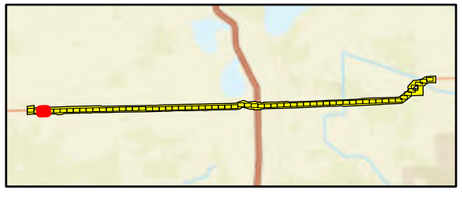

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Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 62 of 64
Segment 3: Waterway – Dorr Field Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

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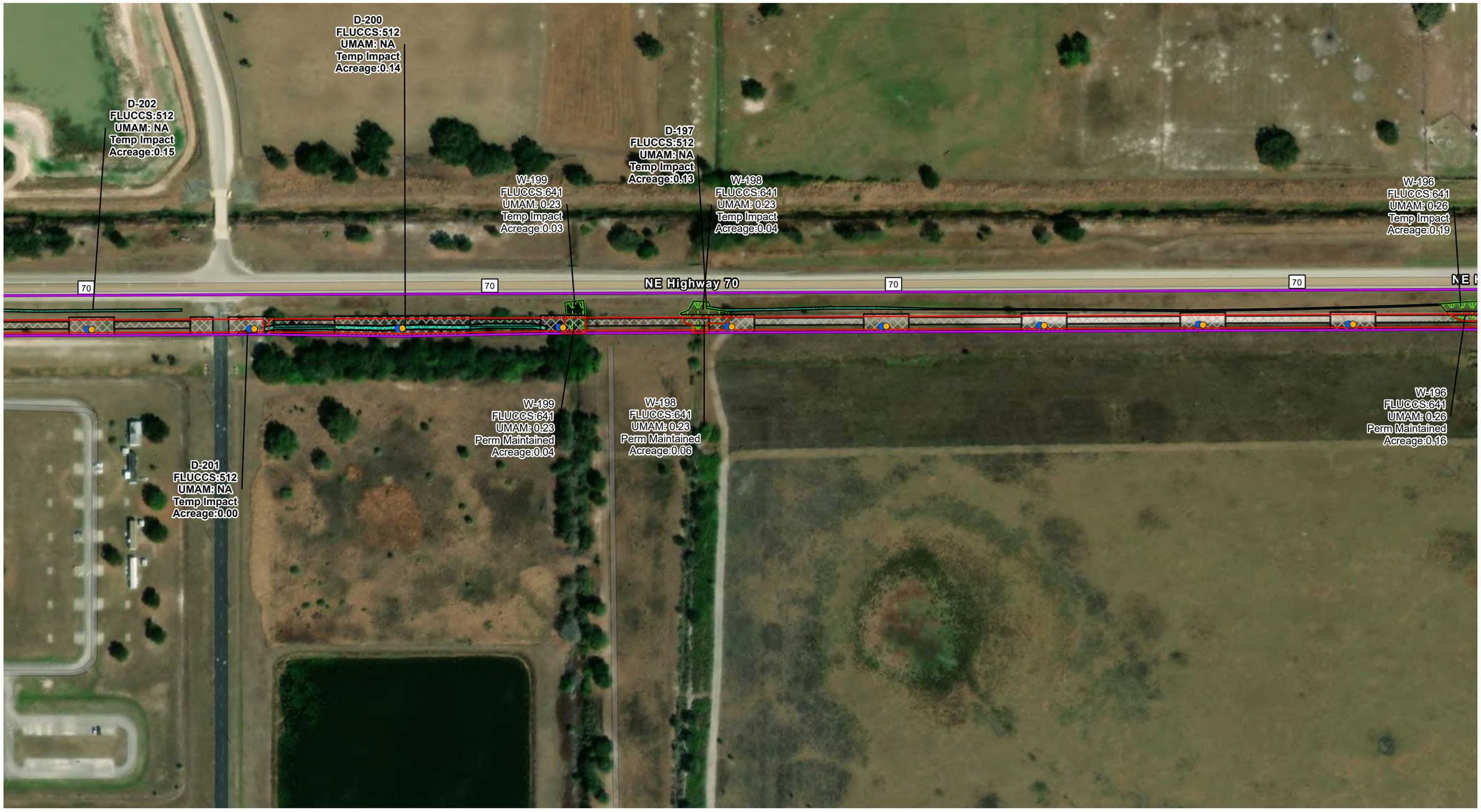

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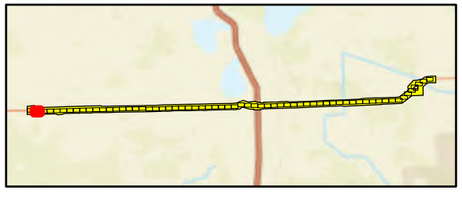

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Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 63 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

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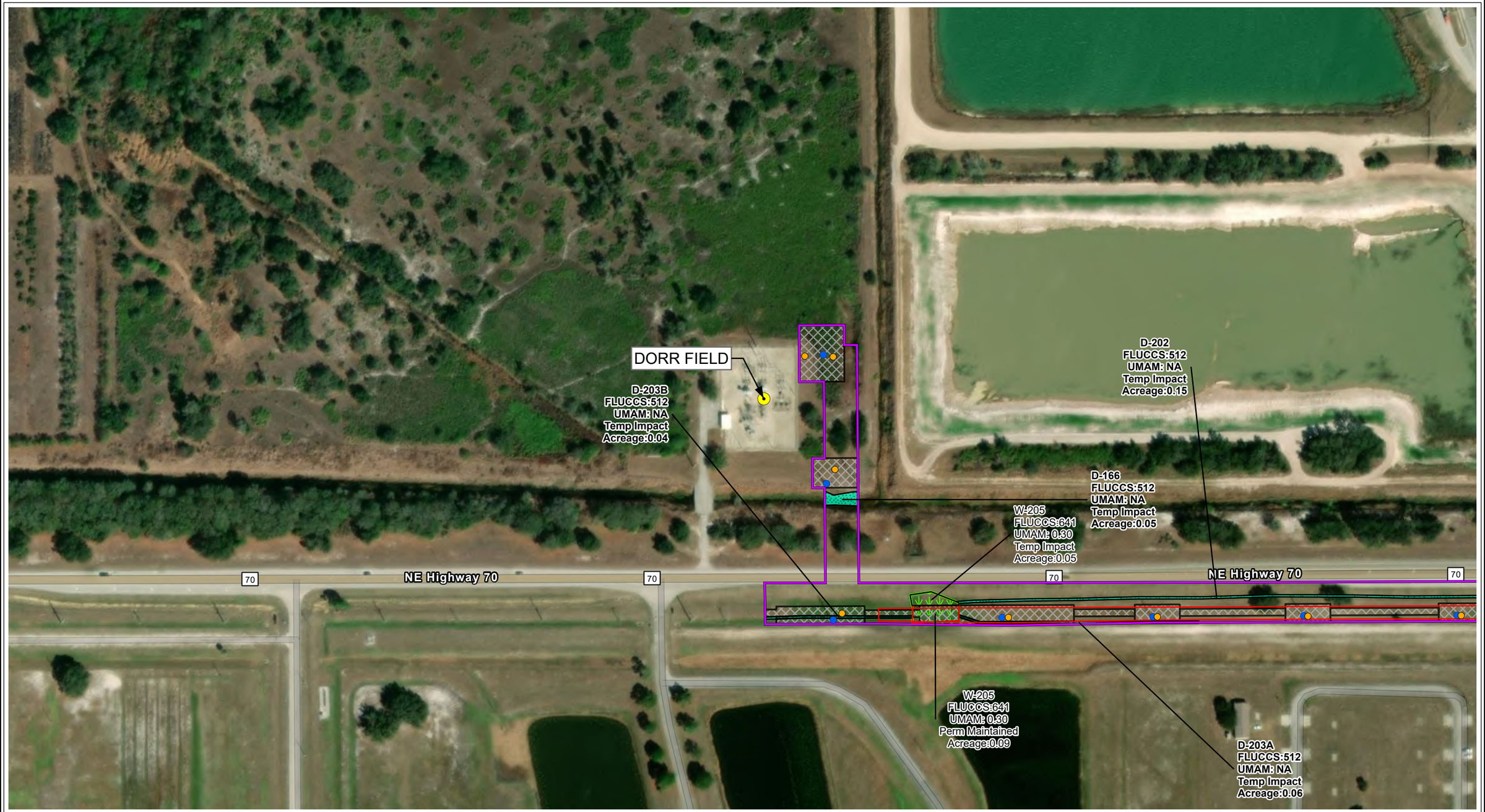

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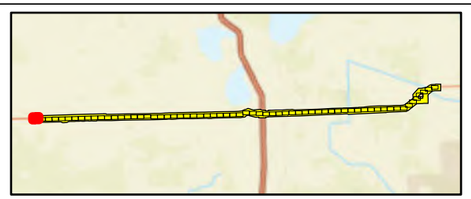

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Feet

Sources: FDEP 2022; USFWS, 2022; FDOT 2020; Pickett 2023; ECT, 2023.

Attachment 17 - Page 64 of 64
Segment 3: Waterway – Dorr Field
Wetland Impact Map

Highlands and DeSoto Counties, Florida

Date: 8/30/2023

ECT

Attachment 18 Mitigation Plan

Attachment 18—Mitigation Plan

WETLANDS AND WATER BODIES DELINEATIONS METHODOLOGY

Environmental Consulting & Technology, Inc. (ECT) conducted a wetland/water body delineation and wetland function assessment for the Segment 3: Waterway – Dorr Field portion of the proposed Sweatt- Whidden Project environmental survey area (ESA). The ESA for this segment generally consisted of a 70-foot-wide survey corridor in private property along the length of the approximately 37-mile transmission line segment plus the road right-of-way for use as potential temporary access or additional temporary workspace. Some areas of the ESA were expanded to accommodate site specific constraints. The wetland delineation was performed using a combination of desktop review of existing data and maps as well as a field survey to verify these data. The following provides a description of the methods employed and the evaluation results.

METHODOLOGY—MAP AND LITERATURE REVIEW

Prior to instigation of the field survey, available maps, data, and literature were gathered and reviewed to determine the approximate extent of wetlands and waters. Relevant data sources included local plant lists, soil survey data, state and federal regulations, county ordinances, and existing reports prepared previously for the project study area. The following sources were examined:

- U.S. Geological Survey (USGS) topographic maps,
- Aerial photography (Google Earth®, Bing®, ESRI® ArcMap),
- County soil surveys (Attachment 7),
- National Wetland Inventory (NWI) maps,
- Land use/vegetation community maps (Attachment 9),
- U.S. Fish and Wildlife Service (USFWS) Information, Planning, and Consultation
- System (IPaC) report,
- 1987 U.S. Army Corps of Engineers (USACE) Wetlands Delineation Manual,
- Regional Supplement to the USACE Wetlands Delineation Manual: Atlantic and Gulf Coastal Plain Region[1],
- St Johns River Water Management District (SJRWMD) website,
- South Florida Water Management District (SFWMD) website, and
- Florida Natural Areas Inventory (FNAI).

[1] 1 U.S. Army Corps of Engineers (USACE). 2010. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region (Version 2.0). Wetlands Regulatory Assistance Program. Environmental Laboratory ERDC/EL TR-10-20. November. https://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb1046490.pdf..

WETLAND DELINEATION

After reviewing the NWI; soils; and Florida Land Use, Cover and Forms Classification System (FLUCFCS) maps, ECT conducted wetland delineations for the linear corridor and additional workspaces where survey access was granted. These field surveys were completed between January 15, 2023, and May 18, 2023, by teams of qualified wetland scientists from ECT. Additional wetlands will be delineated once access is obtained.

Potentially jurisdictional wetlands/waters were identified using the currently accepted methods for the state of Florida and United States (i.e., Florida Department of Environmental Protection regulations; Sections 62-340, Florida Administrative Code (Delineation of the Landward Extent of Wetlands and Surface Waters), including the Florida Wetlands Delineation Manual [1995] and the Routine Onsite Determination Methods as described in the USACE 1987 Wetlands Delineation manual, the 2010 Regional supplement to the USACE Wetlands Delineation Manual: Atlantic and Gulf Coastal Plain Region [Version 2.0], and the most current vegetative index, respectively). Both state and federal methodologies involve identification of three wetland criteria: a predominance of hydrophytic vegetation, the presence of hydric soil indicators, and evidence of wetland hydrology.

Typically, each wetland/water body would be flagged and sequentially numbered. Due to access permissions and the fact that at the time of the survey the applicant did not have legal control of the properties, wetland flagging could not occur in all locations. However, each wetland/upland data point for each wetland and water body was recorded using Trimble ® R1 GPS units. Wetlands and water bodies were photographed, and the required USACE upland/wetland data forms were completed. In addition, the functional quality of each wetland was assessed using the Uniform Mitigation Assessment Methodology (UMAM). Data collection for UMAM scoring purposes included wetland type, location in relation to other wetlands or surface waters, structure, extent, and functional status. Functional attributes, such as value of wildlife habitat, water environment, location in the landscape, and community structure, were evaluated and documented for each wetland.

No Survey Access Parcels

A small portion of the ESA corridor was assessed using a desktop evaluation rather than field survey. In limited areas, the baseline ecological characterization was performed using a combination of desktop survey (a review of maps/existing permits and existing reports and literature) and a visual inspection from the roadside or adjacent property where access was granted. It is anticipated that these wetlands will be reassessed once survey access is granted.

Survey Results

Using a combination of desktop data verified by field surveys, numerous wetlands and water bodies were delineated along the length of the proposed transmission line route and along the roads identified for access. Attachments 8 and 17 identify the location of wetlands and water bodies within the project ESA and project footprint. Attachment 15 contains the UMAM datasheets for these features.

For the purposes of this report, each wetland or water body polygon (based on FLUCFCS type) was given a unique identification number. A total of 104 wetland and 156 water body distinct polygons were delineated within the ESA. The footprint of the project will encompass a subset of these polygons and is defined as being the narrowed corridor plus additional temporary workspace.

Wetlands

Overall, wetlands encompass approximately 132.75 acres or approximately 37 percent of the project footprint and are distributed throughout the project extent. A small variety of wetland types are found present, as summarized in Attachment 10. Most of the wetlands are mixed wetland hardwoods, freshwater marsh, and scrub/shrub wetlands, plus numerous roadside ditches.

Prevalent wetland types include shrub wetlands, mixed hardwood forested wetlands and exotic hardwoods. Freshwater marshes are associated with roadside and agricultural swales and conveyances, wet pastures, and transmission line rights-of-way, as well as natural marshes. Forested wetlands may be associated with creek systems or exotics (i.e., Brazilian pepper) in disturbed existing transmission line right-of-way. Attachment 10 provides details on individual wetland along the alignment such as wetland type, size, and quality. Section C Form provides a summary of wetland impacts, and Attachment 10 provides an itemization of wetland impacts. Attachment 10 also presents the calculations for the functional loss based on wetland and impact type.

Wetland quality is fairly consistent within the ESA for Segment 3: –Waterway – Dorr Field. Those wetlands in existing linear corridors (i.e., roadside, distribution line) and agricultural areas tend to be of lower quality with weedy and invasive species, impacted hydrology, and lower location and landscape support. UMAM scores for those wetlands generally range between 0.3 and 0.5. The higher quality wetlands are primarily those forested areas associated with the rivers and the creek systems such as Fisheating Creek and others. These systems have somewhat higher UMAM scores generally between 0.5 and 0.6.

Water Bodies

The wetland teams delineated 156 water body polygons, predominantly ditches, within the ESA. Water bodies comprise approximately 62.18 acres of the project footprint or approximately 17.4 percent of the project area.

Attachment 10, lists and describes those potentially affected by the project limits. The types of water bodies identified include man-made ditches, canals, cattle ponds, other types of manmade ponds/reservoirs, as well as several named and unnamed natural creeks.

IMPACTS AND MITIGATION

Florida Power & Light Company (FPL) will employ two types of mitigation to compensate for unavoidable wetland and water body impacts – onsite restoration and the purchase of mitigation credits. Attachment 10 presents the functional loss of each wetland based on the UMAM and impact type.

NON-FORESTED WETLANDS AND SURFACE WATERS

Temporary Impacts

Approximately 16.85 acres of non-forested wetlands and 25.91 acres of water bodies (ditches and natural streams) will be temporarily impacted from matting and construction related activities both in the temporary construction area and permanent project footprint. These areas will be restored to their preconstruction ground surface elevation and are expected to return to their preconstruction functional condition in one season. No UMAM functional loss has been assigned to these wetlands or water bodies.

Permanent Impacts (Fill)

Mitigation for the permanent fill of 0.025-acre of non-forested wetlands associated with installation of transmission pole structures will be offset by purchasing credits from an approved mitigation bank. Functional loss will be calculated as follows:

(Pre-project UMAM score – with project UMAM score) × acreage of permanent impact

FPL calculates 0.025 UMAM units would be needed to offset the proposed functional loss associated with pole installation (refer to typical drawing in Attachment 6) in non-forested wetlands.

FORESTED WETLANDS

Impacts to forested wetlands will be mitigated by using a combination of onsite restoration and purchase of mitigation bank credits as noted in the following paragraphs.

Temporary Impacts

The project includes 6.65 acres of temporary impacts to forested wetlands. Temporary impacts within forested wetlands typically include those areas where access and construction occur outside of the permanent variable-width transmission line corridor. Once preconstruction contours are restored following construction within the temporary impact areas, wetland vegetation will re-establish immediately. Additionally, these areas will be allowed to re-establish to their preconstruction forested system type following construction. These systems are expected to return to their reduced functional forested condition within 15 years. Therefore, a Time Lag factor of 1.46 was applied to the UMAM calculation. Forested wetland mitigation credits will be purchased in order to offset Functional Loss while the forested wetlands re-establish.

Functional Loss (FL) of temporary impacts to forested wetlands is calculated as follows:

FL= (Pre-project UMAM score – with project UMAM score) × acreage of permanent impact x 1.46 Time Lag Factor

The "with project UMAM score" is the projected function of the wetland after construction of the project, ground surface has been restored to preconstruction contours, and wetland vegetation has re-established. The Community Structure UMAM score was lowered to 3 for all forested wetlands with temporary impacts to account for the loss of trees and canopy structure. Location and Landscape Support UMAM scores were reduced by one for temporary impacts to forested wetlands, to address additional temporary limitation to wildlife access or connectivity to wildlife habitats resulting from the project. Water Environment UMAM scores were not reduced, as these functions should remain the same upon completion of construction.

As indicated in Attachment 10, FPL estimates a loss of 1.08 units of FL from temporary construction activities in forested wetlands that will be offset by the purchase of mitigation bank credits.

Permanent Impacts (Fill)

The project includes 0.012-acre of permanent impacts to forested wetlands, which include those areas or locations where transmission line structures are proposed within forested wetland systems (typical drawings are provided in Attachment 6). Mitigation credits will be purchased from an approved wetland mitigation bank to offset Functional Loss associated with the permanent fill in these areas. Attachment 10 indicates the acreage of permanent impacts to forested wetlands.

FL of permanent impacts to forested wetlands is calculated as follows:

FL= (Pre-project UMAM score – with project UMAM score) × acreage of permanent impact

Given the small acreages of permanent fill in forested wetlands, FPL proposes to purchase forested wetland credits equal to the amount of acreage proposed to be impacted. Therefore, 0.012 forested wetland mitigation credits will be purchased to offset the proposed FL associated with transmission line structure locations within forested wetlands.

Permanent Impacts (Conversion)

The project includes 0.91-acre of permanent conversion of forested wetlands to herbaceous wetlands within the variable-width transmission line corridor. To compensate FL for the conversion of these wetlands, FPL will purchase forested wetland mitigation credits from approved wetland mitigation banks.

FL associated with forested wetland conversion impacts is calculated as follows:

FL= (Pre-project UMAM Score – With project UMAM Score) × acreage of permanent impact

To account for the loss of trees and canopy structure, the Community Structure UMAM score was lowered to three for all forested wetlands with conversion impacts. Location and Landscape Support UMAM scores were reduced by one in forested wetland areas collocated along existing highways or roads. A reduction by one in the Location and Landscape Support UMAM score is evidenced by the fact that habitat access limitations in areas where existing fences and impervious

surfaces currently pose barriers to wildlife. In all other areas, the Location and Landscape Support UMAM scores were reduced by two, as the project may introduce new temporary barriers to wildlife habitat or reduce buffers and hydrologic connectivity in areas where those impediments may not currently exist. Water Environment UMAM scores were not reduced, as these functions should remain the same upon completion of construction.

Clearing forested wetlands will involve cutting trees to ground level with minimal ground disturbance. Following clearing and construction within the permanent conversion areas, wetland vegetation is expected to reestablish immediately. These systems are expected to return to their reduced functional condition within one year. Therefore, a UMAM Time Lag Factor of 1.0 was applied to the UMAM calculation.

As indicated in Attachment 10, FPL estimates a loss of 0.14 functional UMAM units for the conversion of approximately 0.91-acre of forested wetlands to herbaceous wetlands within the project's permanent maintenance easement.

MITIGATION

Because not one mitigation bank service area covers the overall project footprint, FPL will consult with the regulatory agencies to identify the most suitable mitigation bank available to purchase credits of the appropriate type and from the most appropriate watershed basin to offset impacts associated with the construction of each segment of this project.

It is anticipated that for Segment 3: Waterway – Dorr Field, mitigation credits would be sought from one or several approved mitigation banks.

To offset impacts to wetlands and water bodies associate with this segment of the project, FPL proposes the following for mitigation:

- To offset the **0.037-**acre of permanent fill associated with pole structures,
- To offset the **1.08** FL units associated with the temporary construction impacts to forested wetlands outside the permanent project footprint resulting from construction of the project, and
- To offset the **0.14** FL units associated with the permanent conversion of forested wetlands to herbaceous within the permanently maintained project area, FPL would purchase:

  + 0.037
  + 1.080
  + 0.140
  1.26 credits

To offset the functional loss associated with impacts from the construction and operation of this project FPL would purchase 1.26 credits.