

UTILITY ASSESSMENT REPORT

Florida Department of Transportation

District One

State Road (SR) 70 PD&E Study

Limits of Project: County Road (CR) 29 to Lonesome Island Road

Highlands County, Florida

Financial Management Number: 414506-5-22-01

ETDM Number: 14364

Date: August 2023

The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being, or have been, carried out by the Florida Department of Transportation (FDOT) pursuant to 23 U.S.C. § 327 and a Memorandum of Understanding dated May 26, 2022 and executed by the Federal Highway Administration and FDOT.

Utility Assessment Report

SR 70 from CR 29 to Lonesome Island Road Project Development and Environment Study

Highlands County, Florida

Financial Project ID: 414506-5-22-01
ETDM No.: 14364

Prepared for:



**Florida Department of Transportation
District One**

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August 2023

EXECUTIVE SUMMARY

This Utility Assessment Report was prepared to evaluate the Utilities within the project corridor. The data collected from the Utility Agency Owners (UAO's) includes their green lines /As-Builts of the project area describing what facilities they have on the project.

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1.0 Project Overview

1.1 Project Description

The Florida Department of Transportation (FDOT), District One, is conducting a Project Development and Environment (PD&E) study to evaluate widening State Road 70 (SR 70) from County Road 29 (CR 29) to Lonesome Island Road in Lake Placid, Highlands County. The project is approximately 4.3 miles in length. The project study area is shown in **Figure 1-1**. The PD&E study is evaluating widening the existing two-lane undivided roadway to a four-lane divided roadway.

The study is evaluating the need for capacity improvements within the project limits and provides engineering and environmental analysis and documentation along with public involvement. The results of the study will aid FDOT and the FDOT Office of Environmental Management (OEM) for selection of the no build (no action) alternative or the preferred alternative for approval of the Type 2 Categorical Exclusion to grant Location Design Concept Acceptance.

The project was evaluated through FDOT's Efficient Transportation Decision Making (ETDM) process as project #14364. An ETDM *Programming Screen Summary Report* containing comments from the Environmental Technical Advisory Team (ETAT) was published on September 24, 2019. The ETAT evaluated the project's effects on various natural, physical and social resources.

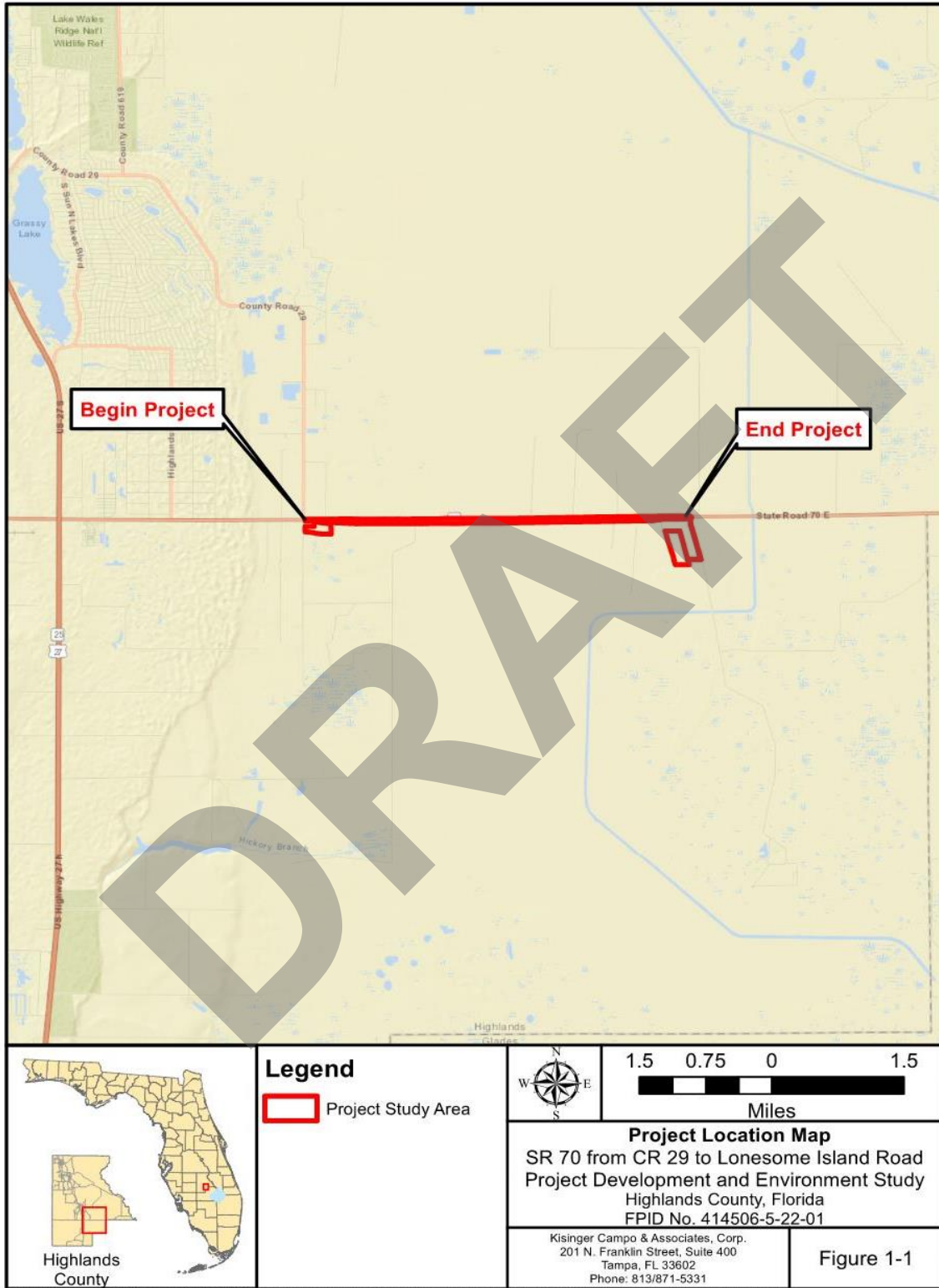
Upon completion, the study will meet all requirements of the National Environmental Policy Act of 1969 (NEPA) as administered by the Federal Highway Administration (FHWA) and the requirements of other federal and state laws so as to qualify the proposed project for federal-aid funding.

1.2 Purpose and Need

The purpose of this project is to improve roadway deficiencies along SR 70 from CR 29 to Lonesome Island Road. Additionally, the project will enhance operational capacity of the corridor, thereby improving vehicle safety and emergency evacuation/response times as well as access for standard roadway maintenance.

The need for the project is based on existing roadway deficiencies, operational conditions, vehicle safety conditions, area wide network/system linkage, and to support economic development, discussed below.

Figure 1-1: Project Location Map



2.0 Utility Information

2.1 General

The intent of this report is to furnish pertinent information concerning the location, size and characteristics of major utilities found within the proposed study limits (See Figure 1-1).

2.2 Utility Coordination

The preliminary utility coordination and investigation effort was conducted through written and verbal communications with the existing utility owners. A Sunshine State 811 of the Florida Design Ticket System listing of existing utility owners was acquired on October 13, 2018. (Appendix A).

Initially, verbal communication was made to all utility's owners outlining the investigation effort along with the project limits. The list of utility agencies owners (UAO) known to operate utilities within the project corridor include:

Figure 1-2: Utility Contact Information

Utility Agency/Owner	Utility Contact Name	Utility Contact Phone	Utility Contact E-mail
CenturyLink	Ezekiel "Zeke" Reid	239-791-1299	Ezekiel.reid1@lumen.com
Florida Gas Transmission Company, LLC	Joe Sanchez	407-838-7171	Joseph.e.sanchez@energytransfer.com
Glades Electric	Colin Evans	863-531-5034	cevans@gladeselectric.com

For the report's preparation, utility owners were provided aerial based utility plans depicting SR 70 preferred alternative. Using these aerial plans as a base map, each utility owner was asked to indicate their existing and proposed utilities as well as any easements that may affect their reimbursement rights for potential relocations of their facilities. In response, most utility owners replied via written communications. The utility owners provided the requested information concerning their facilities using either the utility plans or reference documentation (i.e., "As Built" or GIS maps). "Marked" Plans or reference documentation was received from the following Utility Agency Owners.

3.0 UTILITY EXISTING FACILITIES DESCRIPTIONS

3.1 CenturyLink

CenturyLink Local has Underground Copper that runs along CR 29 crosses SR 70 on the east side and continues North. They also have underground copper that runs south down 17 Ranch Road. They also have both copper and fiber routes that are aerial along SR 70 on the south side running through the project corridor. At Lonesome Island Rd. CenturyLink has an underground copper crossing SR 70. CenturyLink did not respond with having any easements within project limits. CenturyLink does not enter into Utility Work by Highway Contractor Agreements. See Appendix B

3.2 Florida Gas Transmission

Florida Gas Transmission has a 30” Gas Main that runs to the south of our project limits and then crosses SR 70 to the North and continues along the north side to the end of the project limits. Florida Gas Transmission is within an easement so if their facilities are impacted it will be at the Departments expense. Florida Gas Transmission does not enter into Utility Work by Highway Contractor Agreements. See Appendix A

3.3 Glades Electric

The described area is within Glade Electric’s service territory. They currently have a 3-phase feeder supplying 7,200 kv in the area as well. All their structures are located outside of the FDOT right of way. Glades Electric did not respond with having any easements within project limits. Glades Electric does not enter into Utility Work by Highway Contractor Agreements. See Appendix A

Appendix A
811 Design Ticket

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SR 70 Design Ticket

Ticket : 276807625 Rev:000 Taken: 10/03/18 12:43ET

State: FL Cnty: HIGHLANDS GeoPlace: LAKE PLACID
CallerPlace: LAKE PLACID
Subdivision:

Address : 601 to 1411
Street : SR 70
Cross 1 : CO RD 29
Within 1/4 mile: Y
Cross 2 : LONESOME ISLAND RD

Locat: **SR 70 FROM CT 29 TO LONESOME ISLAND RD**

:

Remarks : IN RESPONSE TO RECEIPT OF A DESIGN TICKET, SSOCOF PROVIDES THE ORIGINATOR OF THE DESIGN TICKET WITH A LIST OF SSOCOF MEMBERS IN THE VICINITY OF THE DESIGN PROJECT. SSOCOF DOES NOT NOTIFY SSOCOF MEMBERS OF

THE RECEIPT BY SSOCOF OF A DESIGN TICKET. IT IS THE SOLE RESPONSIBILITY OF THE DESIGN ENGINEER TO CONTACT SSOCOF MEMBERS TO REQUEST INFORMATION ABOUT THE LOCATION OF SSOCOF MEMBERS' UNDERGROUND FACILITIES. SUBMISSION OF A DESIGN TICKET WILL NOT SATISFY THE REQUIREMENT OF CHAPTER 556, FLORIDA STATUTES, TO NOTIFY SSOCOF OF AN INTENT TO EXCAVATE OR DEMOLISH. THAT INTENT MUST BE MADE KNOWN SPECIFICALLY TO SSOCOF IN THE MANNER REQUIRED BY LAW. IN AN EFFORT TO SAVE TIME ON FUTURE CALLS, SAVE YOUR DESIGN TICKET NUMBER IF YOU INTEND TO BEGIN EXCAVATION WITHIN 90 DAYS OF YOUR DESIGN REQUEST. THE DESIGN TICKET CAN BE REFERENCED , AND THE INFORMATION ON IT CAN BE USED TO SAVE TIME WHEN YOU CALL IN THE EXCAVATION REQUEST.

*** LOOKUP BY BETWEEN ***

:

Grids	: 2712B8112A	2712B8113A	2712B8113B	2712B8113C	2712B8113D
Grids	: 2712B8114A	2712B8114B	2712B8114C	2712B8114D	2712B8115A
Grids	: 2712B8115B	2712B8115C	2712B8115D	2712B8116A	2712B8116B
Grids	: 2712B8116C	2712B8116D	2712B8117D	2712C8113A	2712C8113B
Grids	: 2712C8113C	2712C8114A	2712C8114B	2712C8114C	2712C8114D
Grids	: 2712C8115A	2712C8115B	2712C8115C	2712C8115D	2712C8116A
Grids	: 2712C8116B	2712C8116C	2712C8116D	2712C8117D	

Work date: 10/03/18 Time: 12:46ET Hrs notc: 000 Category: 6 Duration: 01 MON
Due Date : 10/05/18 Time: 23:59ET Exp Date : 11/02/18 Time: 23:59ET
Work type: SUBSURFACE UTILITY INVESTIGATION Boring: N White-lined: N
Ug/Oh/Both: U Machinery: N Depth: UNK Permits: N N/A
Done for : FDOT

Company : ECHO UES INC Type: OTHR
Co addr : 16414 N DALE MABRY HWY
City : TAMPA State: FL Zip: 33618
Caller : JASON STANLEY Phone: 888-778-3246
BestTime: 727-638-4187
Fax : 888-778-3246
Email : JASON.STANLEY@ECHOUES.COM

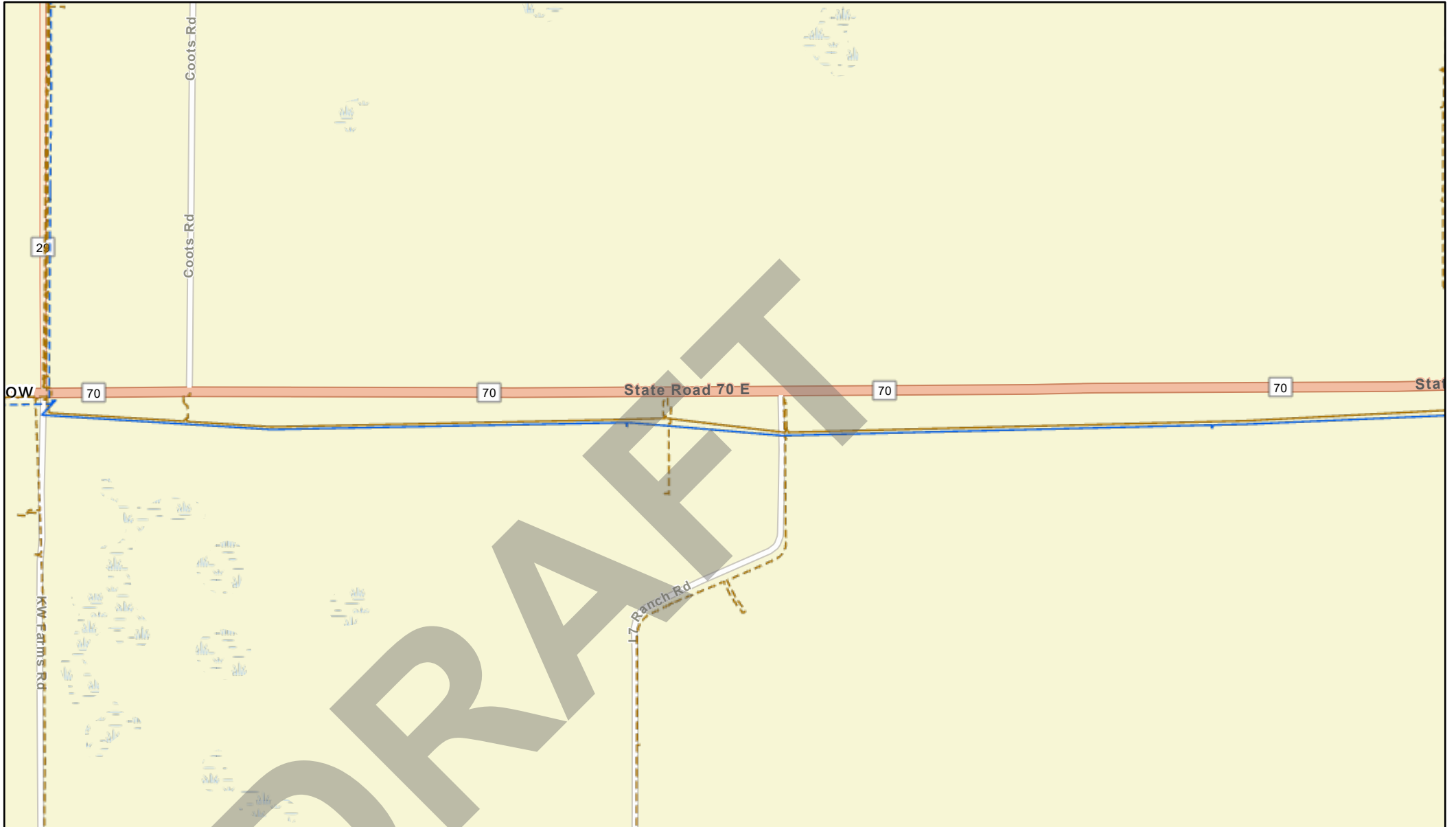
Submitted: 10/03/18 12:43ET Oper: JAS Chan: WEB
Mbrs : FG2038 GEC823 LS1104 UTI300

Service Area Code	Service Area Name	Contact	Phone Numbers	Utility Type
FG2038	FLORIDA GAS TRANSMISSION - OKEECHOBEE	JOSEPH E. SANCHEZ	Day: (407) 838 - 7171	GAS
GEC823	GLADES ELECTRIC CO-OP INC.	TIM LOWMAN	Day: (863) 946 - 6272	ELECTRIC
UTI300	CENTURYLINK	RONALD SMITH	Day: (941) 637 - 5145	FIBER, TELEPHONE

DRAFT

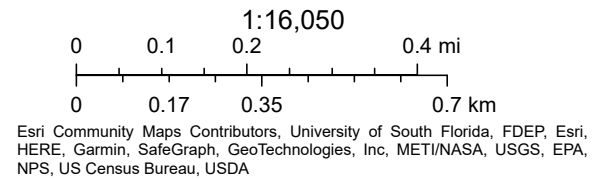
Appendix B
Utility Information

LUMEN Relocate Utility Map



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- Local Copper UG Route Local Copper Aerial Route Fiber Routes
-
- Underground, In Service
 Aerial, In Service
 Aerial, In Service
 Underground, In Service



LUMEN Relocate Utility Map

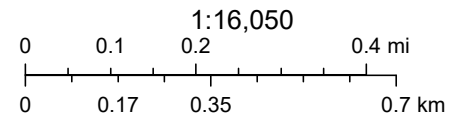


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Local Copper UG Route

Local Copper Aerial Route Fiber Routes

- - - Underground, In Service
- Aerial, In Service
- - - Underground, In Service

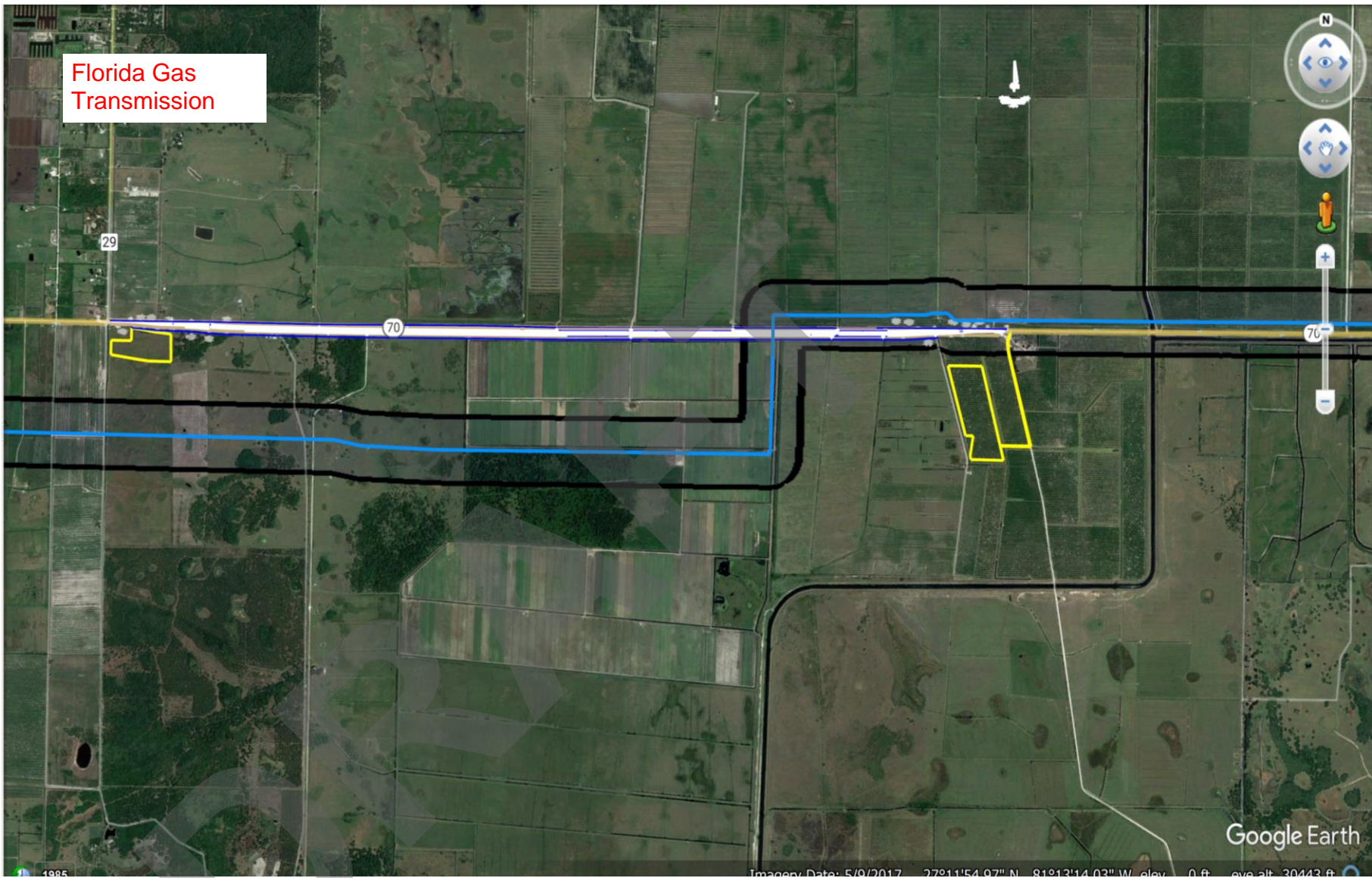


Esri Community Maps Contributors, University of South Florida, FDEP, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA

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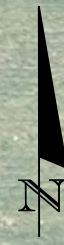
Florida Gas
Transmission



Google Earth

Imagery Date: 5/9/2017 27°11'54.97" N 81°13'14.03" W elev. 0 ft eye alt. 30443 ft

1985



3 Phase (4 wire)
7.2KV overhead
lines

Single Phase
multiplex 240V
overhead line

3 Phase (4 wire)
7.2KV overhead
lines

3 Phase (4 wire)
7.2KV overhead
lines

Glades Electric

CURVE DATA CLSR70_4
PI STA. = 10015+18.71
Δ = 2° 40' 20" (LT)
D = 0° 23' 22"
T = 343.19
L = 686.25
R = 14,714.00
PC STA. = 10011+75.52
PT STA. = 10018+61.77

CURVE DATA CLSR70_3
PI STA. = 10008+32.46
Δ = 2° 40' 20" (RT)
D = 0° 23' 22"
T = 343.19
L = 686.25
R = 14,714.00
PC STA. = 10004+89.28
PT STA. = 10011+75.52

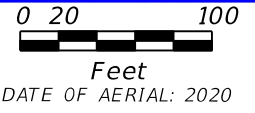
BEGIN PROJECT
STA. 10000+00.00
CONST. SR 70

SR 70 N 89° 57' 16" W

CONST. SR 70

FPC 1A

LEGEND		PROPOSED RIGHT-OF-WAY		PROPOSED GRASS MEDIAN		RELOCATED CANAL
		EXISTING PROPERTY LINE		PROPOSED PAVEMENT		PROPOSED SWALE
		EASEMENT		PROPOSED SHOULDER		PROPOSED POND
		WETLAND & OTHER SURFACE WATERS		PROPOSED SHARED USE PATH		



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Tampa, Florida 33602
Phone: (813) 871-5331
Florida Certificate of Authorization No. 02317
Alejandro Mendez, P.E. No. 77055

SR 70 PD&E STUDY
From CR 29 to Lonesome Island Rd.
Concept Plans

SHEET NO.

Glades Electric



CURVE DATA CLSR70 4
 PI STA. = 10015+18.71
 Δ = 2° 40' 20" (LT)
 D = 0° 23' 22"
 T = 343.19
 L = 686.25
 R = 14,714.00
 PC STA. = 10011+75.52
 PT STA. = 10018+61.77

Single Phase (2 wire) 7.2KV overhead crossing

89° 57' 16" W

3 Phase (4 wire) 7.2KV overhead lines

CL CONST. SR 70

CURVE DATA CLSR70 7
 PI STA. = 10023+93.16
 Δ = 3° 36' 12" (RT)
 D = 0° 23' 22"
 T = 462.85
 L = 925.39
 R = 14,714.00
 PC STA. = 10019+30.31
 PT STA. = 10028+55.70

FPC 1A

LEGEND

	PROPOSED RIGHT-OF-WAY		PROPOSED GRASS MEDIAN		RELOCATED CANAL
	EXISTING PROPERTY LINE		PROPOSED PAVEMENT		PROPOSED SWALE
	EASEMENT		PROPOSED SHOULDER		PROPOSED POND
	WETLAND & OTHER SURFACE WATERS		PROPOSED SHARED USE PATH		

0 20 100
 Feet
 DATE OF AERIAL: 2020

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SR 70 PD&E STUDY
 From CR 29 to Lonesome Island Rd.
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SHEET NO.

Glades Electric



Single phase (2 wire) 7.2KV overhead crossing

3 Phase (4 wire) 7.2KV overhead lines

CURVE DATA CLSR70_8
 PI STA. = 10033+04.33
 Δ = 29° 34' (LT)
 D = 23' 22"
 T = 63.63
 L = 714.00
 R = 28+55.70
 PT STA. = 10037+52.69

CURVE DATA CLSR70_7
 PI STA. = 10023+93.16
 Δ = 3° 36' 12" (RT)
 D = 0° 23' 22"
 T = 462.85
 L = 925.39
 R = 14,714.00
 PC STA. = 10019+30.31
 PT STA. = 10028+55.70

℄ CONST. SR 70

N 89° 50' 38" W

LEGEND		PROPOSED RIGHT-OF-WAY		PROPOSED GRASS MEDIAN		RELOCATED CANAL
		EXISTING PROPERTY LINE		PROPOSED PAVEMENT		PROPOSED SWALE
		EASEMENT		PROPOSED SHOULDER		PROPOSED POND
		WETLAND & OTHER SURFACE WATERS		PROPOSED SHARED USE PATH		

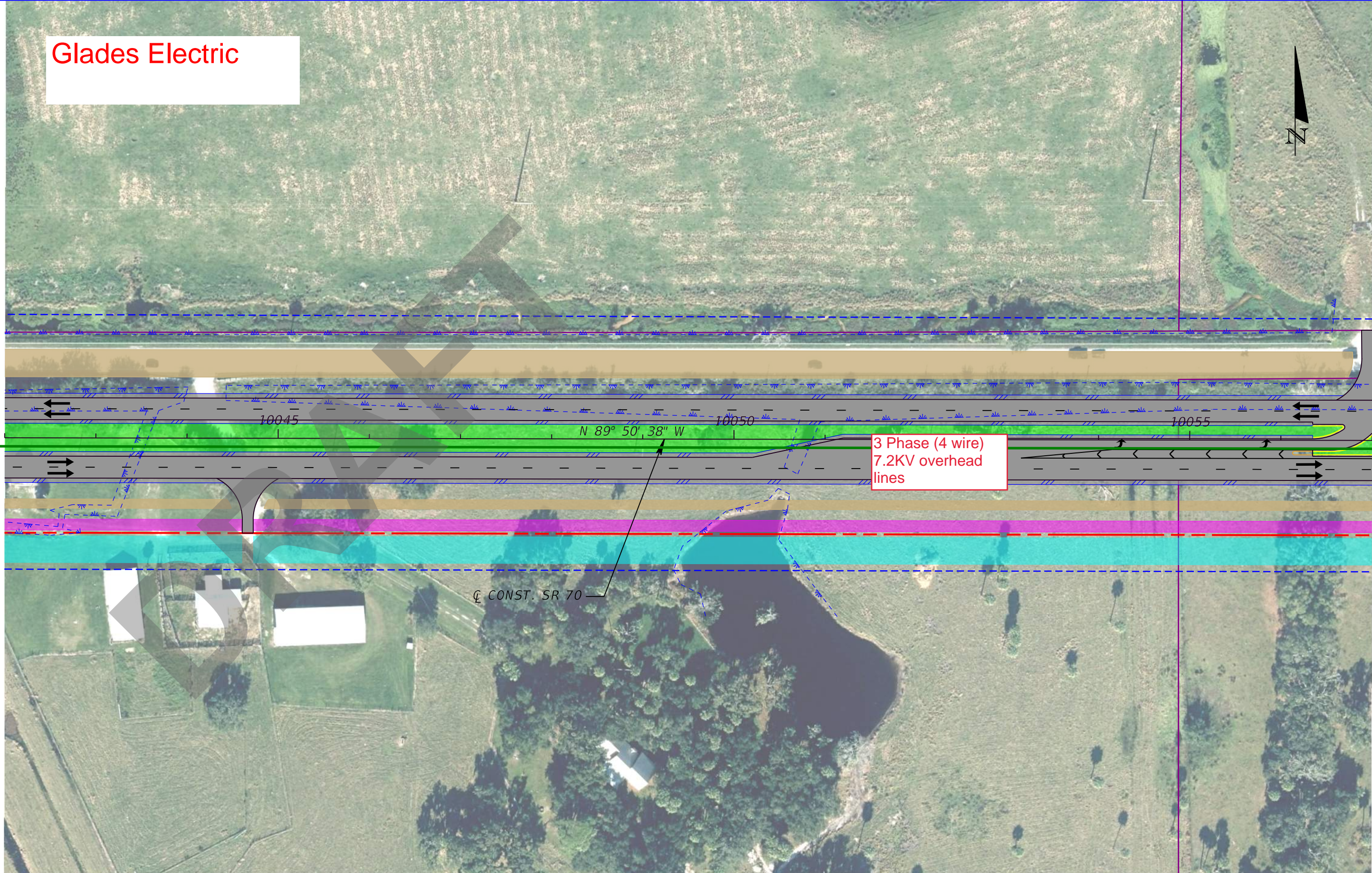


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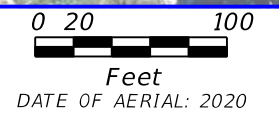
SR 70 PD&E STUDY
 From CR 29 to Lonesome Island Rd.
 Concept Plans

SHEET NO.

Glades Electric



LEGEND	PROPOSED RIGHT-OF-WAY	PROPOSED GRASS MEDIAN	RELOCATED CANAL
	EXISTING PROPERTY LINE	PROPOSED PAVEMENT	PROPOSED SWALE
	EASEMENT	PROPOSED SHOULDER	PROPOSED POND
	WETLAND & OTHER SURFACE WATERS	PROPOSED SHARED USE PATH	



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 Concept Plans

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Glades Electric



B.O.S. 436543-1
POT STA. 76+50.00

☒ SURVEY SR 70

3 Phase (4 wire)
7.2KV overhead
lines

Single Phase (2
wire) 7.2KV
overhead lines

Single Phase (2
wire) 7.2KV
overhead lines

SOUTHWIND RD.

L7 RANCH RD.

☒ CONST. SR 70

N 89° 34' 47" E

N 89° 50' 38" W

10065

10070

PI STA. 10065+54.25

LEGEND		PROPOSED RIGHT-OF-WAY		PROPOSED GRASS MEDIAN		RELOCATED CANAL
		EXISTING PROPERTY LINE		PROPOSED PAVEMENT		PROPOSED SWALE
		EASEMENT		PROPOSED SHOULDER		PROPOSED POND
		WETLAND & OTHER SURFACE WATERS		PROPOSED SHARED USE PATH		

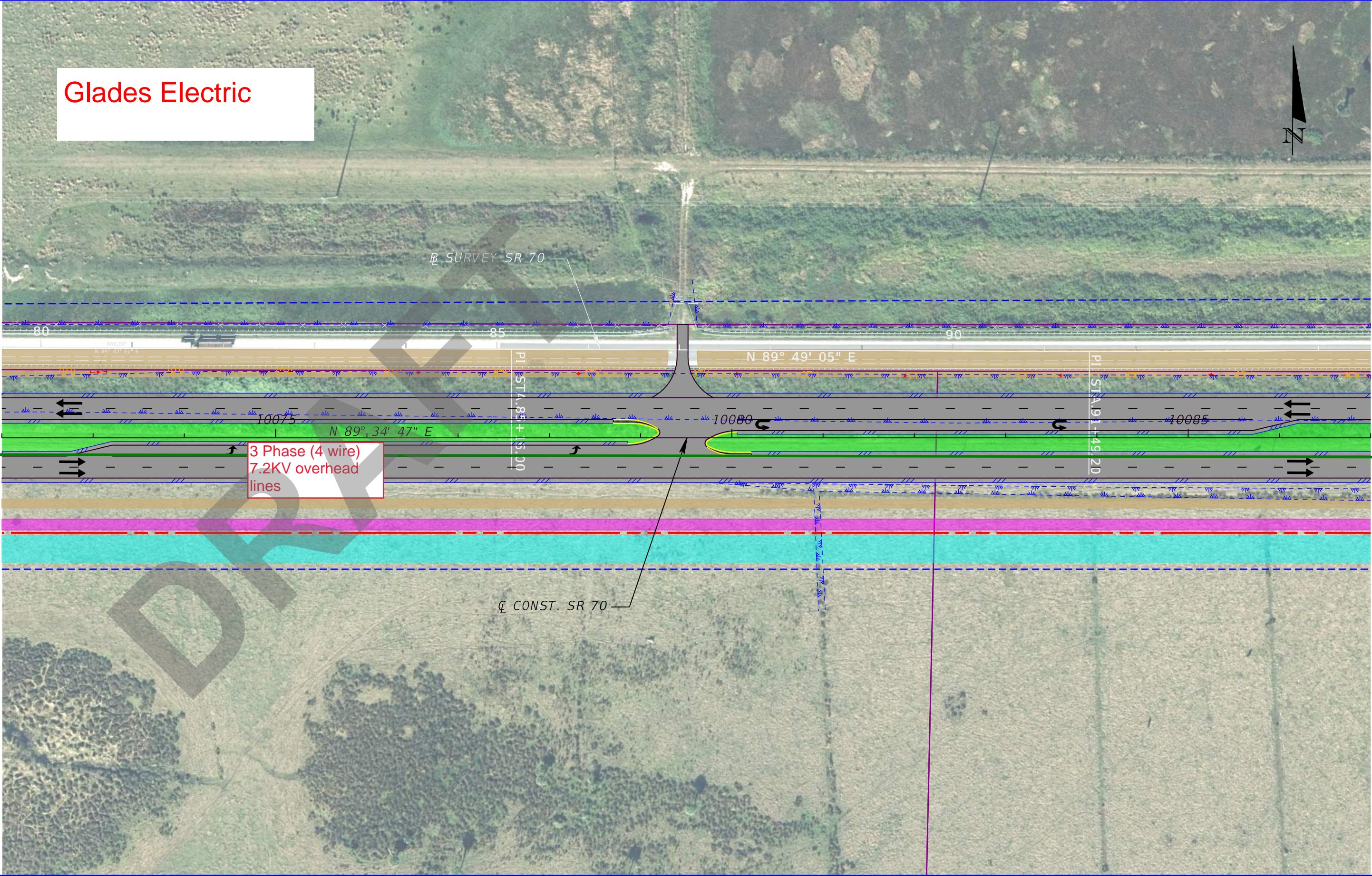


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SR 70 PD&E STUDY
From CR 29 to Lonesome Island Rd.
Concept Plans

SHEET NO.

Glades Electric



3 Phase (4 wire)
7.2KV overhead
lines

LEGEND		PROPOSED RIGHT-OF-WAY		PROPOSED GRASS MEDIAN		RELOCATED CANAL
		EXISTING PROPERTY LINE		PROPOSED PAVEMENT		PROPOSED SWALE
		EASEMENT		PROPOSED SHOULDER		PROPOSED POND
		WETLAND & OTHER SURFACE WATERS		PROPOSED SHARED USE PATH		

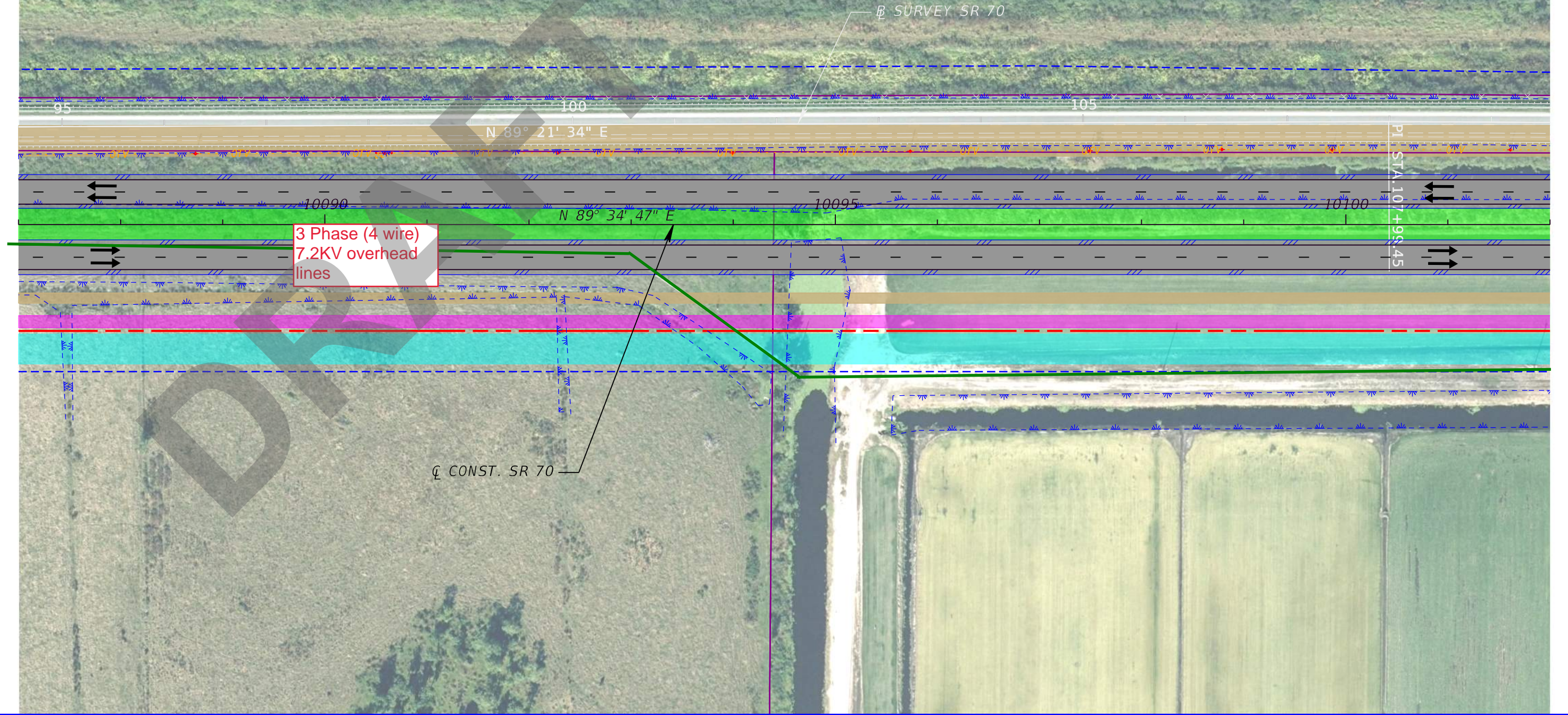


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Glades Electric



3 Phase (4 wire)
7.2KV overhead
lines

LEGEND		PROPOSED RIGHT-OF-WAY		PROPOSED GRASS MEDIAN		RELOCATED CANAL
		EXISTING PROPERTY LINE		PROPOSED PAVEMENT		PROPOSED SWALE
		EASEMENT		PROPOSED SHOULDER		PROPOSED POND
		WETLAND & OTHER SURFACE WATERS		PROPOSED SHARED USE PATH		

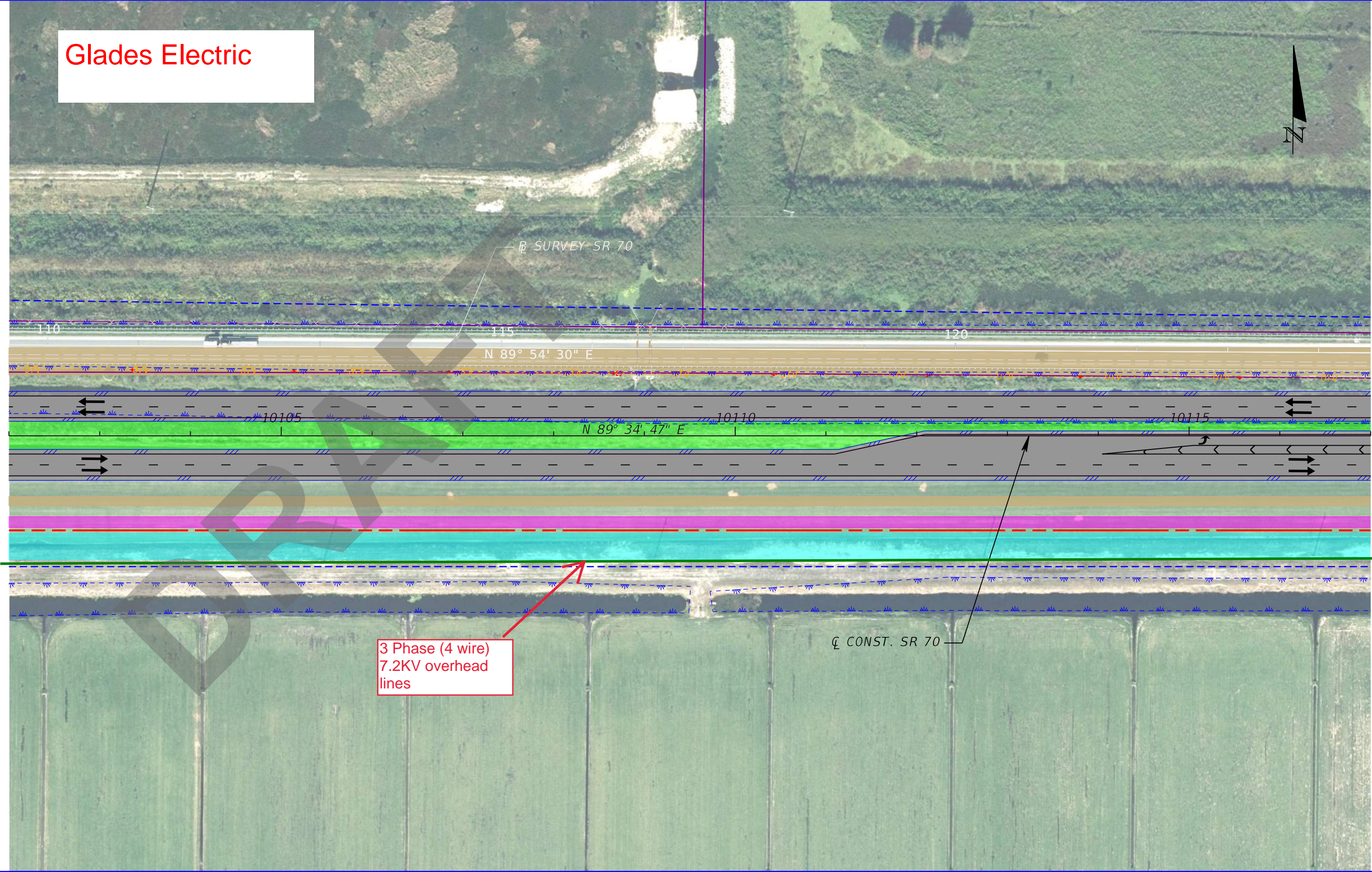
0 20 100
Feet
DATE OF AERIAL: 2020

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SR 70 PD&E STUDY
From CR 29 to Lonesome Island Rd.
Concept Plans

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Glades Electric



3 Phase (4 wire)
7.2KV overhead
lines

LEGEND		PROPOSED RIGHT-OF-WAY		PROPOSED GRASS MEDIAN		RELOCATED CANAL
		EXISTING PROPERTY LINE		PROPOSED PAVEMENT		PROPOSED SWALE
		EASEMENT		PROPOSED SHOULDER		PROPOSED POND
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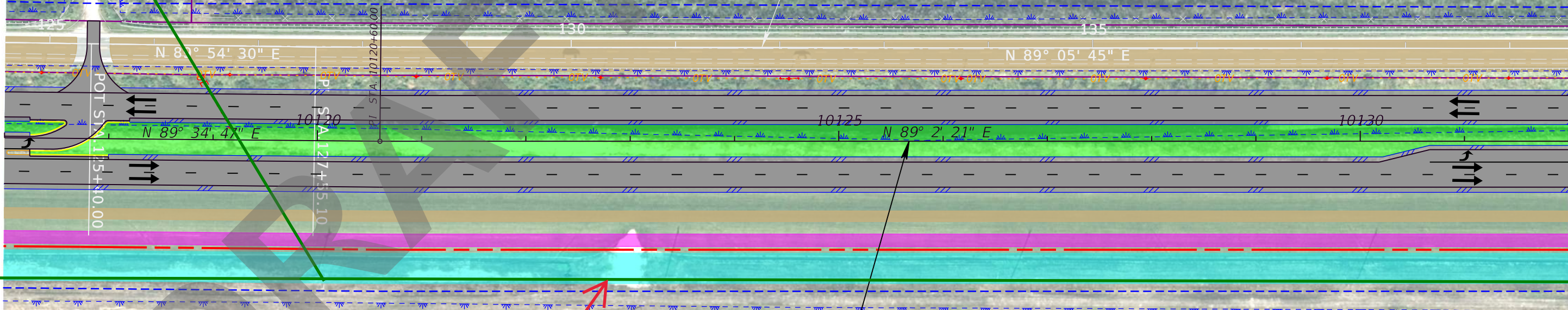
SHEET NO.

Glades Electric



2 Phase (3 wire)
7.2KV overhead
lines

⊕ SURVEY SR 70



3 Phase (4 wire)
7.2KV overhead
lines

⊕ CONST. SR 70

LEGEND		PROPOSED RIGHT-OF-WAY		PROPOSED GRASS MEDIAN		RELOCATED CANAL
		EXISTING PROPERTY LINE		PROPOSED PAVEMENT		PROPOSED SWALE
		EASEMENT		PROPOSED SHOULDER		PROPOSED POND
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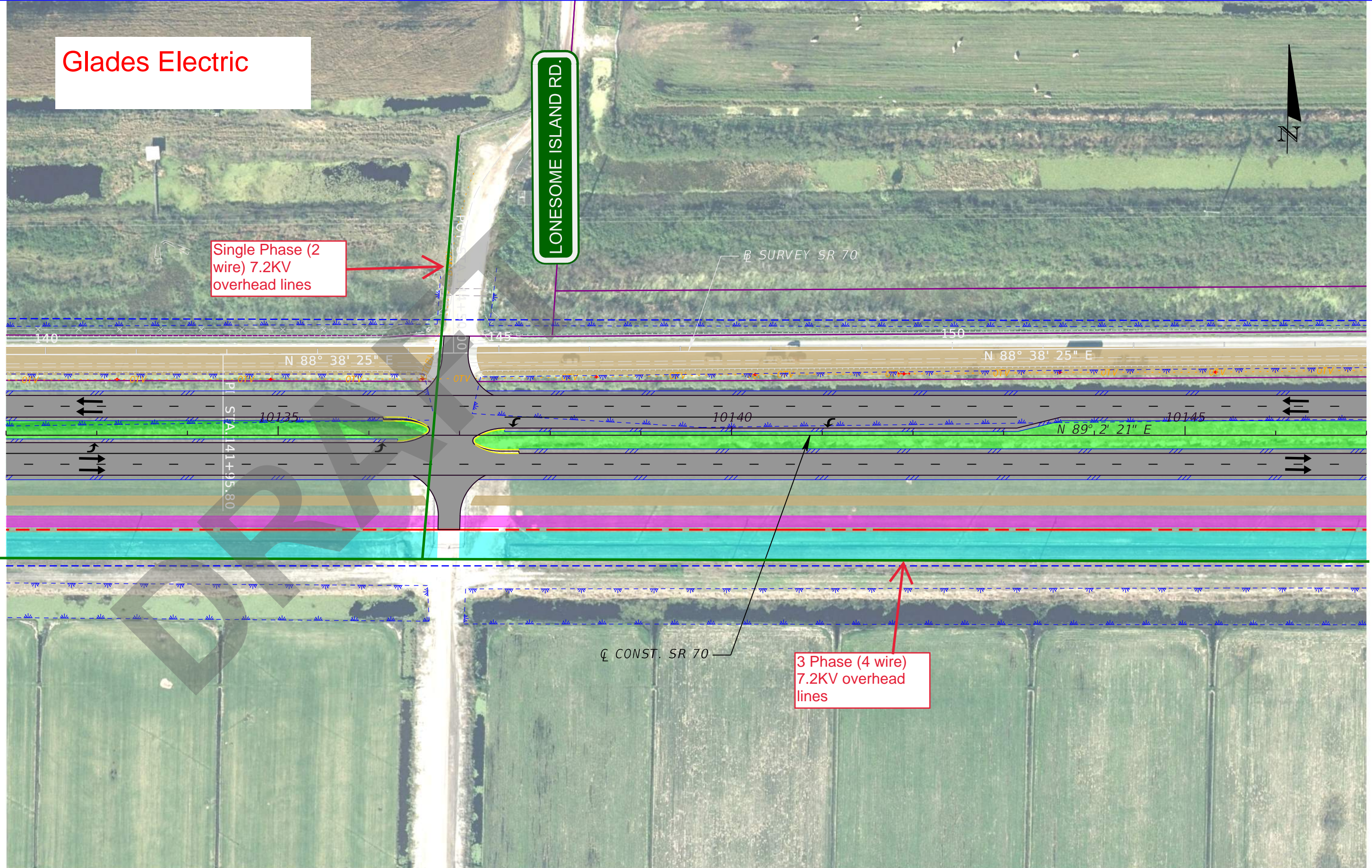
SHEET NO.

Glades Electric

LONESOME ISLAND RD.

Single Phase (2 wire) 7.2KV overhead lines

⊕ SURVEY SR 70



⊕ CONST. SR 70

3 Phase (4 wire) 7.2KV overhead lines

LEGEND		PROPOSED RIGHT-OF-WAY		PROPOSED GRASS MEDIAN		RELOCATED CANAL
		EXISTING PROPERTY LINE		PROPOSED PAVEMENT		PROPOSED SWALE
		EASEMENT		PROPOSED SHOULDER		PROPOSED POND
		WETLAND & OTHER SURFACE WATERS		PROPOSED SHARED USE PATH		

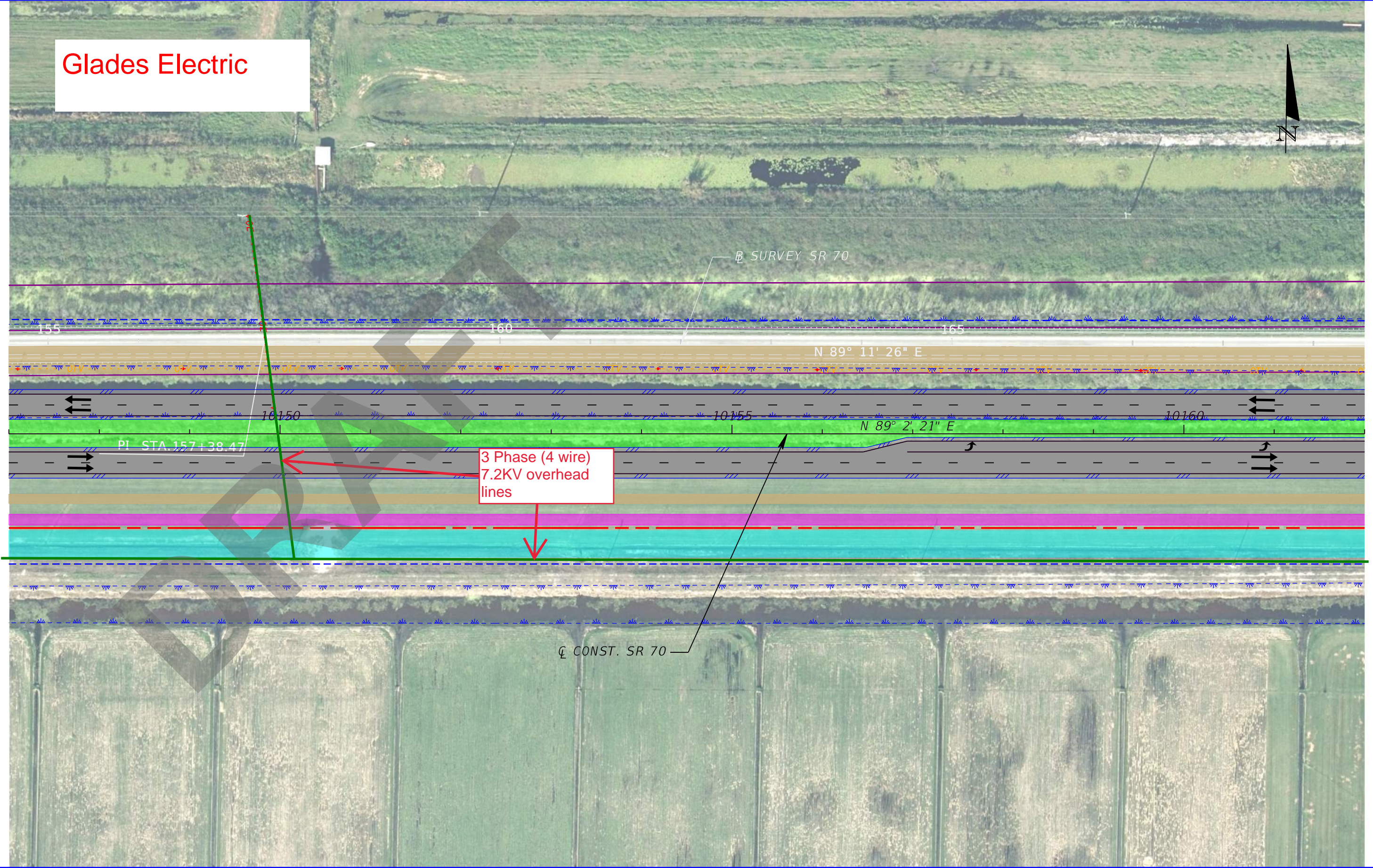


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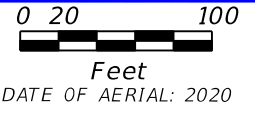
SR 70 PD&E STUDY
 From CR 29 to Lonesome Island Rd.
 Concept Plans

SHEET NO.

Glades Electric



LEGEND	PROPOSED RIGHT-OF-WAY	PROPOSED GRASS MEDIAN	RELOCATED CANAL
	EXISTING PROPERTY LINE	PROPOSED PAVEMENT	PROPOSED SWALE
	EASEMENT	PROPOSED SHOULDER	PROPOSED POND
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SR 70 PD&E STUDY
 From CR 29 to Lonesome Island Rd.
 Concept Plans

SHEET NO.

Glades Electric

DENCO RD.

GAS LINE TO REMAIN

Single Phase (2 wire) 7.2KV overhead lines

3 Phase (4 wire) 7.2KV overhead lines

SR SURVEY SR 70

CONST. SR 70

STA. 170+75.00

10165

10170

10175

N 89° 2' 21" E

LEGEND		PROPOSED RIGHT-OF-WAY		PROPOSED GRASS MEDIAN		RELOCATED CANAL	0 20 100
		EXISTING PROPERTY LINE		PROPOSED PAVEMENT		PROPOSED SWALE	Feet
		EASEMENT		PROPOSED SHOULDER		PROPOSED POND	DATE OF AERIAL: 2020
		WETLAND & OTHER SURFACE WATERS		PROPOSED SHARED USE PATH			

Kisinger Campo & Associates Corp.
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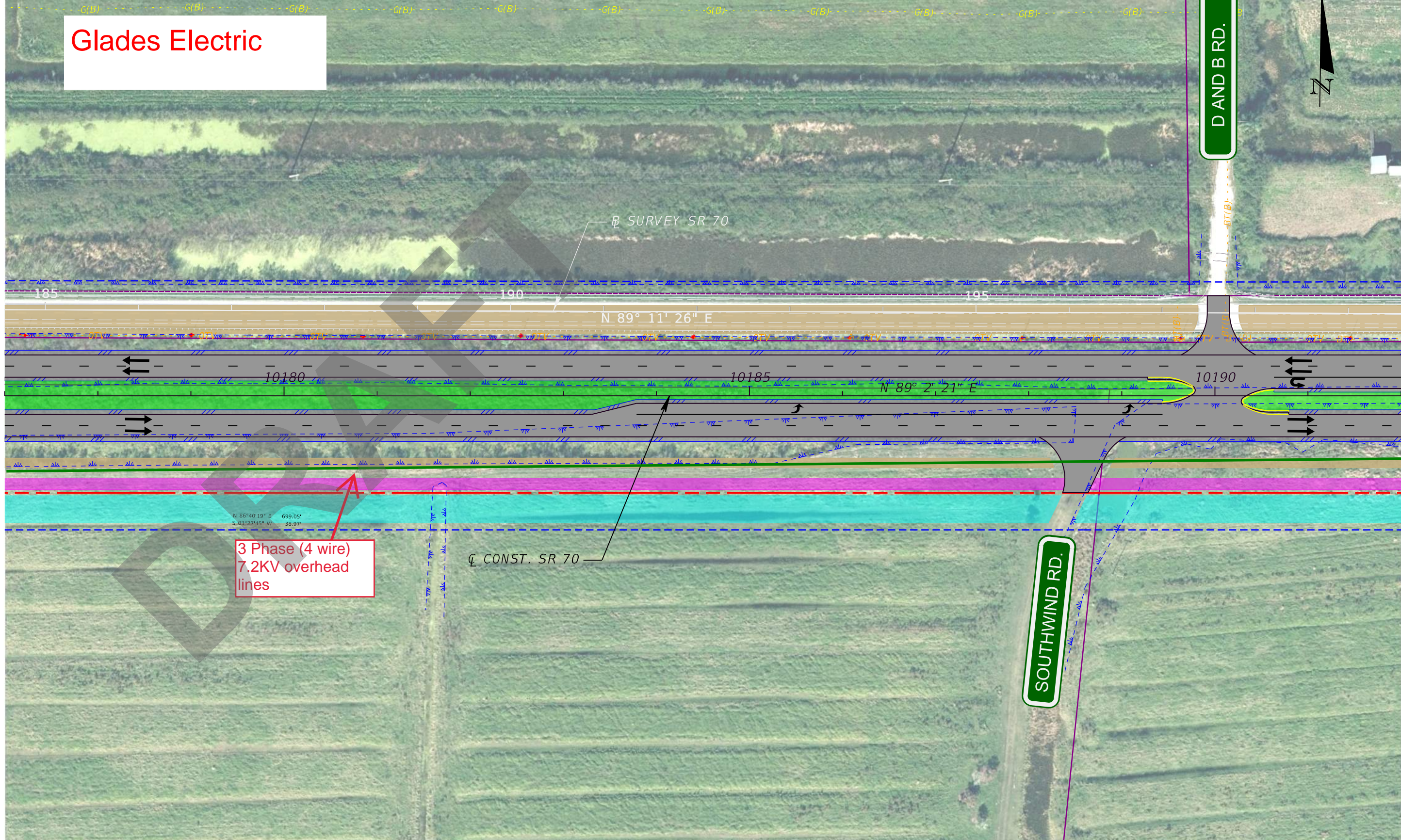
SR 70 PD&E STUDY
 From CR 29 to Lonesome Island Rd.
 Concept Plans

SHEET NO.

Glades Electric

D AND B RD.

SOUTHWIND RD.



3 Phase (4 wire)
7.2KV overhead
lines

LEGEND		PROPOSED RIGHT-OF-WAY		PROPOSED GRASS MEDIAN		RELOCATED CANAL
		EXISTING PROPERTY LINE		PROPOSED PAVEMENT		PROPOSED SWALE
		EASEMENT		PROPOSED SHOULDER		PROPOSED POND
		WETLAND & OTHER SURFACE WATERS		PROPOSED SHARED USE PATH		



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Concept Plans

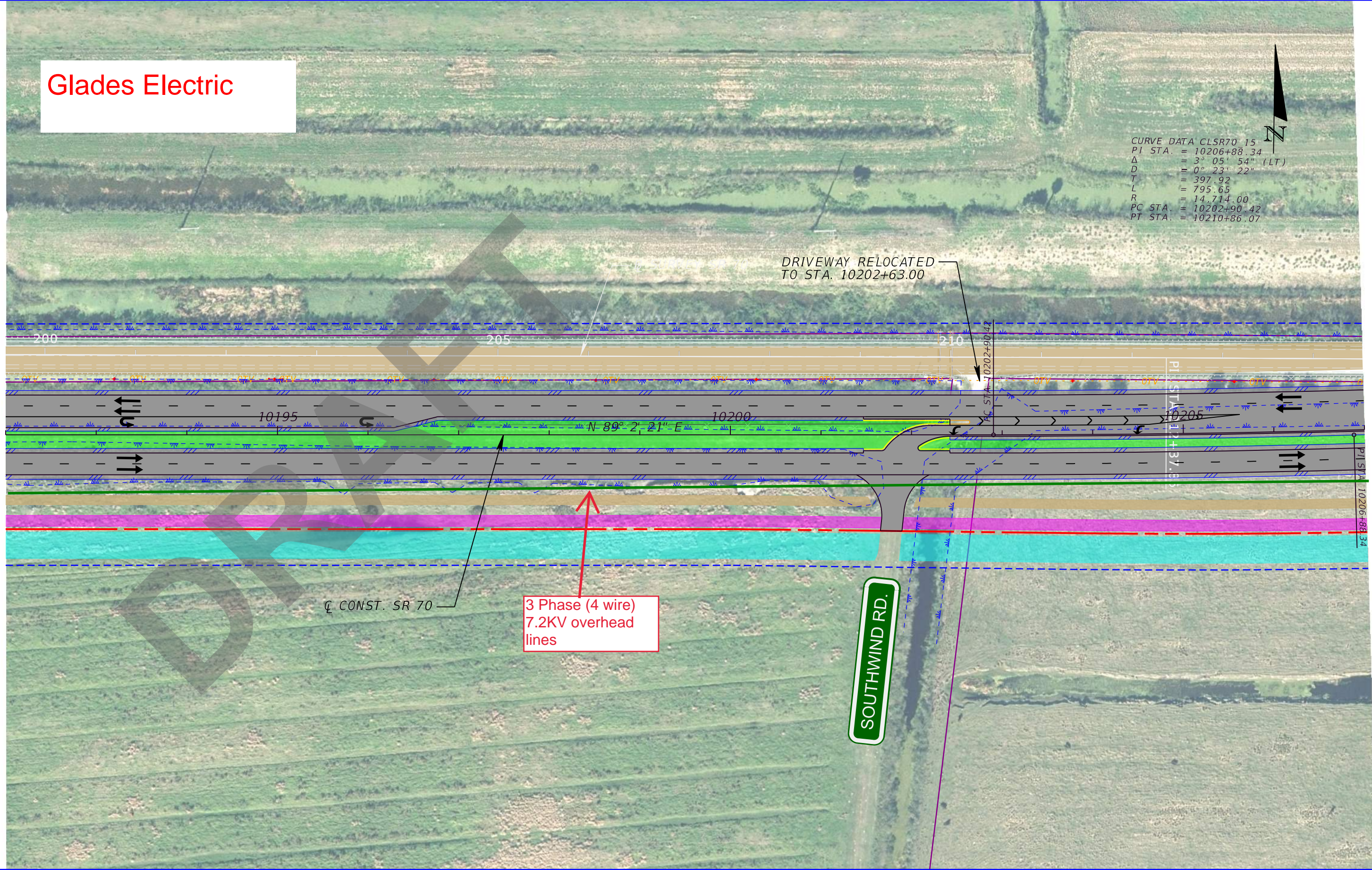
SHEET NO.

Glades Electric

CURVE DATA CLSR70 15
 PI STA. = 10206+88.34
 Δ = 3° 05' 54" (LT)
 D = 0° 23' 22"
 T = 397.92
 L = 795.65
 R = 14,714.00
 PC STA. = 10202+90.42
 PT STA. = 10210+86.07



DRIVEWAY RELOCATED TO STA. 10202+63.00



CL CONST. SR 70

3 Phase (4 wire)
7.2KV overhead
lines

SOUTHWIND RD.

LEGEND		PROPOSED RIGHT-OF-WAY		PROPOSED GRASS MEDIAN		RELOCATED CANAL
		EXISTING PROPERTY LINE		PROPOSED PAVEMENT		PROPOSED SWALE
		EASEMENT		PROPOSED SHOULDER		PROPOSED POND
		WETLAND & OTHER SURFACE WATERS		PROPOSED SHARED USE PATH		



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SHEET NO.

Glades Electric



CURVE DATA CLSR70_15
 PI STA. = 10206+88.34
 Δ = 3° 05' 54" (LT)
 D = 0° 23' 22"
 T = 397.92
 L = 795.65
 R = 14,714.00
 PC STA. = 10202+90.42
 PT STA. = 10210+86.07

CURVE DATA CLSR70_17
 PI STA. = 10222+24.16
 Δ = 2° 21' 55" (LT)
 D = 0° 23' 22"
 T = 303.74
 L = 607.40
 R = 14,714.00
 PC STA. = 10219+20.42
 PT STA. = 10225+27.81

E.O.S. 436543-1
 POT STA. 222+50.00

Single Phase
 multiplex 240V
 underground line
 (Lumen owned)

3 Phase (4 wire)
 7.2KV overhead
 lines

CURVE DATA CLSR70_16
 PI STA. = 10215+03.35
 Δ = 3° 14' 56" (RT)
 D = 0° 23' 22"
 T = 417.29
 L = 834.35
 R = 14,714.00
 PC STA. = 10210+86.07
 PT STA. = 10219+20.42

DOSIA SMITH RD.

LEGEND		PROPOSED RIGHT-OF-WAY		PROPOSED GRASS MEDIAN		RELOCATED CANAL
		EXISTING PROPERTY LINE		PROPOSED PAVEMENT		PROPOSED SWALE
		EASEMENT		PROPOSED SHOULDER		PROPOSED POND
		WETLAND & OTHER SURFACE WATERS		PROPOSED SHARED USE PATH		

0 20 100
 Feet
 DATE OF AERIAL: 2020

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 Concept Plans

SHEET NO.

Glades Electric

CURVE DATA CLSR70 18
 PI STA. = 10228+73.10
 Δ = 2° 41' 19" (RT)
 D = 0° 23' 22"
 T = 345.29
 L = 690.46
 R = 14,714.00
 PC STA. = 10225+27.81
 PT STA. = 10232+18.27

CURVE DATA CLSR70 17
 PI STA. = 10222+24.16
 D = 0° 23' 22"
 T = 303.74
 L = 607.40
 R = 14,714.00
 PC STA. = 10219+20.42
 PT STA. = 10225+27.81

Single Phase
multiplex 240V
overhead line

LONESOME ISLAND RD.

END PROJECT
 STA. 10233+67.24
 Q CONST. SR 70

3 Phase (4 wire)
7.2KV overhead
lines

Single Phase
multiplex 240V
underground
service lines

JC DURRANCE RD.

DRAINAGE EASEMENT

LEGEND		PROPOSED RIGHT-OF-WAY		PROPOSED GRASS MEDIAN		RELOCATED CANAL
		EXISTING PROPERTY LINE		PROPOSED PAVEMENT		PROPOSED SWALE
		EASEMENT		PROPOSED SHOULDER		PROPOSED POND
		WETLAND & OTHER SURFACE WATERS		PROPOSED SHARED USE PATH		



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SHEET NO.

Glades Electric

CURVE DATA CLSR70 4
 PI STA. = 10015+18.71
 Δ = 2° 40' 20" (LT)
 D = 0° 23' 22"
 T = 343.19
 L = 686.25
 R = 14,714.00
 PC STA. = 10011+75.52
 PT STA. = 10018+61.77

Single Phase (2 wire) 7.2KV overhead crossing

3 Phase (4 wire) 7.2KV overhead lines

3 Phase (4 wire) 7.2KV overhead lines

3 Phase (4 wire) 7.2KV overhead lines

BEGIN PROJECT
 STA. 10000+00.00
 Q CONST. SR 70

Q CONST. SR 70

N 89° 57' 16" W

POT. STA. 10000

10005

PI STA. 10008+32.46

10010

10015

10020

10025

PI STA. 10023+93.16

PC STA. 10004+89.28

PI STA. 10011+75.52

PI STA. 10015+18.71

PI STA. 10019+30.31

Δ = 2° 40' 20" (RT)
 D = 0° 23' 22"
 T = 343.19
 L = 686.25
 R = 14,714.00
 PC STA. = 10004+89.28
 PT STA. = 10011+75.52

FPC 1A

CURVE DATA CLSR70 7
 PI STA. = 10023+93.16
 Δ = 3° 36' 12" (RT)
 D = 0° 23' 22"
 T = 462.85
 L = 925.39
 R = 14,714.00
 PC STA. = 10019+30.31
 PT STA. = 10028+55.70

LEGEND		PROPOSED RIGHT-OF-WAY		PROPOSED GRASS MEDIAN		RELOCATED CANAL	0 50 200 Feet DATE OF AERIAL: 2020
		EXISTING PROPERTY LINE		PROPOSED PAVEMENT		PROPOSED SWALE	
		EASEMENT		PROPOSED SHOULDER		PROPOSED POND	
		WETLAND & OTHER SURFACE WATERS		PROPOSED SHARED USE PATH			

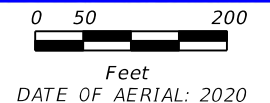
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LEGEND		PROPOSED RIGHT-OF-WAY		PROPOSED GRASS MEDIAN		RELOCATED CANAL
		EXISTING PROPERTY LINE		PROPOSED PAVEMENT		PROPOSED SWALE
		EASEMENT		PROPOSED SHOULDER		PROPOSED POND
		WETLAND & OTHER SURFACE WATERS		PROPOSED SHARED USE PATH		



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SHEET
NO.