

PROJECT LOCATION
 (COLUMBIA COUNTY)
 (SUWANNEE COUNTY)
 (MADISON COUNTY)
 (JEFFERSON COUNTY)
 (LEON COUNTY)
 (GADSDEN COUNTY)
 (JACKSON COUNTY)

0	10/25/19	ISSUED FOR PERMIT SUBMITTAL	GCC	JJB	MKL
REV	DATE	DESCRIPTION	BY	CKD	APP

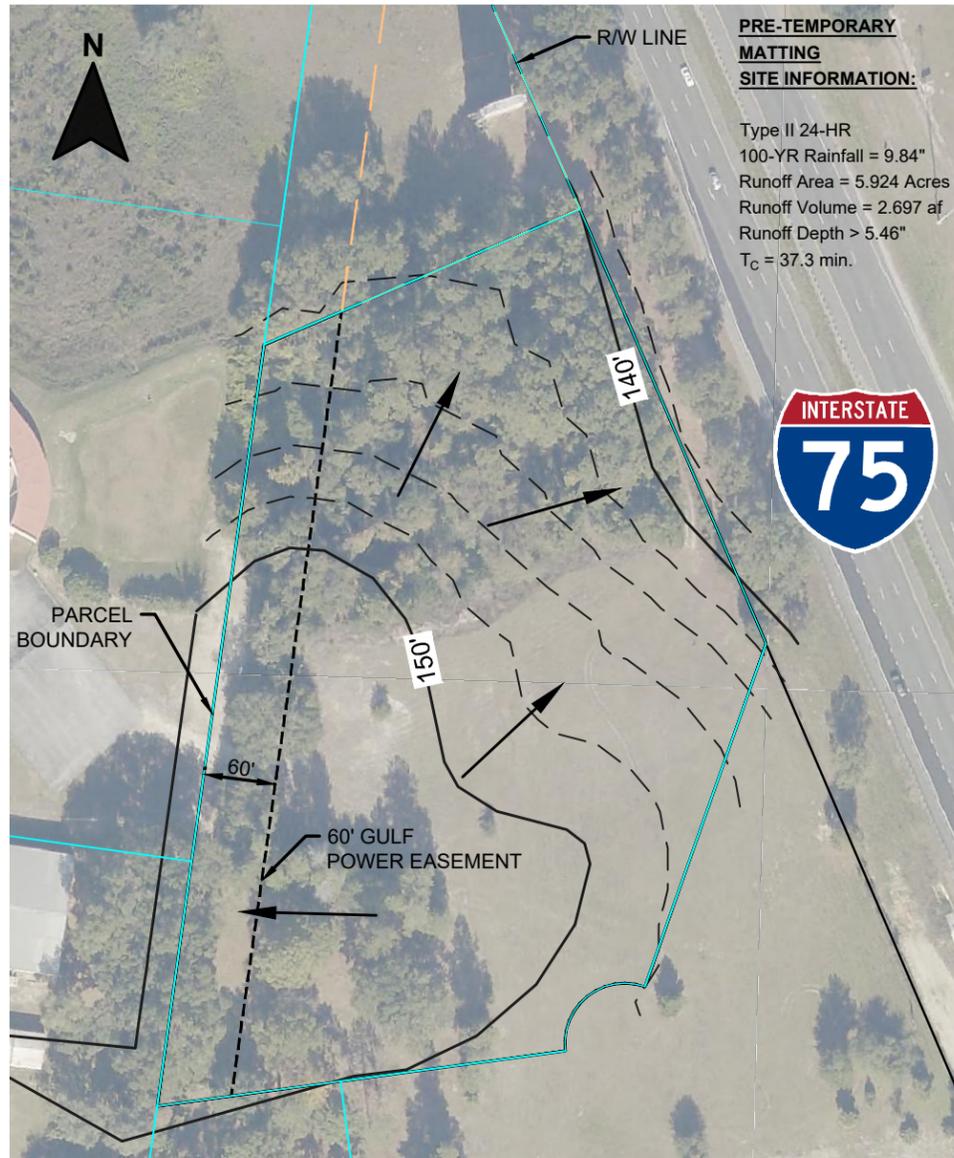
GULF POWER COMPANY **NORTH FLORIDA RESILIENCY CONNECTION**

SCALE: 1" = 200'
 DRAWN BY: GCC
 ENGINEER: MKL
 COUNTY: COLUMBIA
 SHEET 1 OF 5

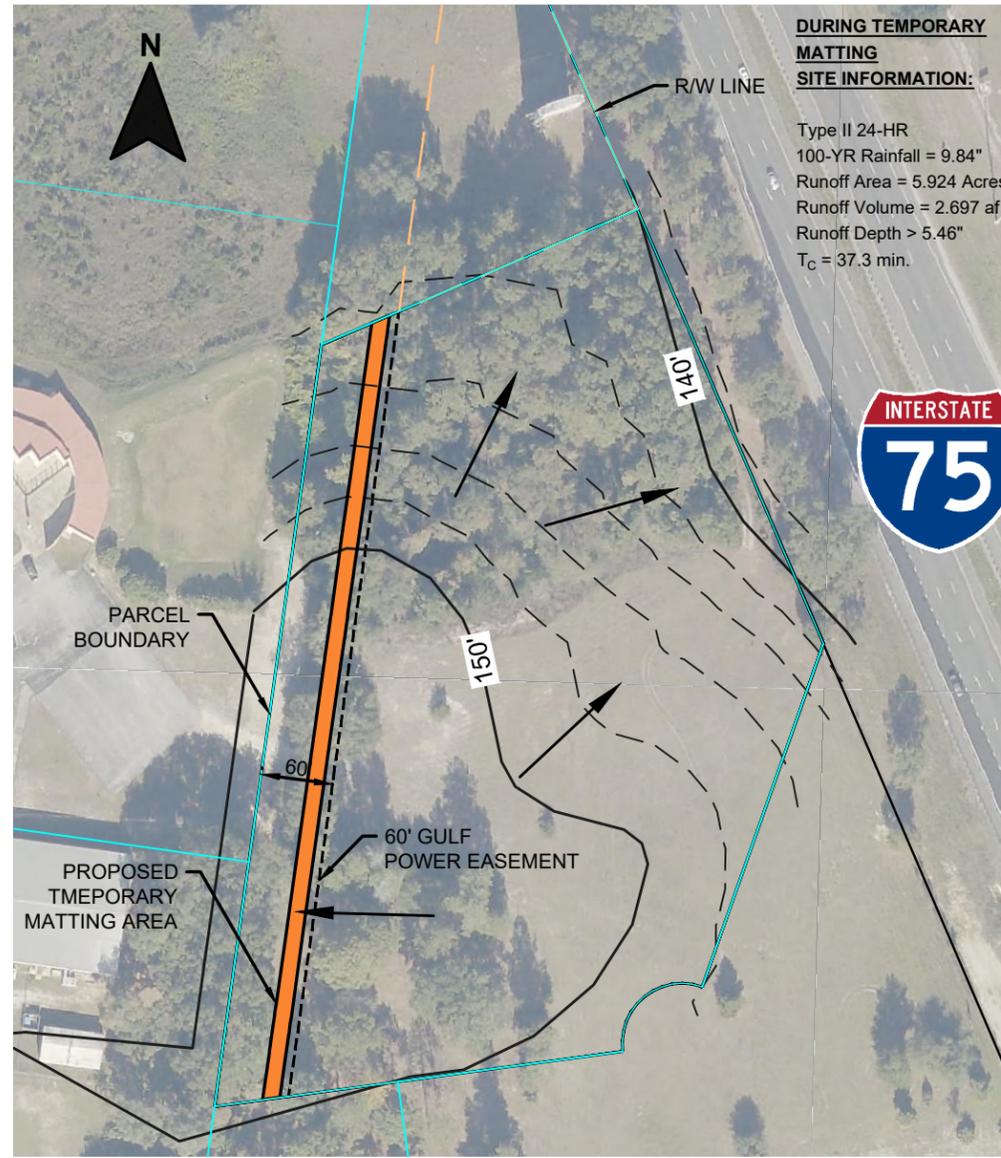
DATE: 10/25/19
 CHECKED BY: JRC
 SECTION: AS SHOWN
 FILE NAME: NFR STAGING AREAS



**TYPICAL WETLAND SITE
 TEMPORARY MATTING
 EXHIBIT COVER**



PRE-TEMPORARY MATTING SITE INFORMATION:
 Type II 24-HR
 100-YR Rainfall = 9.84"
 Runoff Area = 5.924 Acres
 Runoff Volume = 2.697 af
 Runoff Depth > 5.46"
 T_c = 37.3 min.



DURING TEMPORARY MATTING SITE INFORMATION:
 Type II 24-HR
 100-YR Rainfall = 9.84"
 Runoff Area = 5.924 Acres
 Runoff Volume = 2.697 af
 Runoff Depth > 5.46"
 T_c = 37.3 min.

TYPICAL UPLAND SITE PRE-TEMPORARY MATTING
 SITE TYPE I (N.T.S.)

TYPICAL UPLAND SITE DURING TEMPORARY MATTING
 SITE TYPE I (N.T.S.)

GENERAL NOTES:

1. SURVEY BOUNDARIES AND WETLAND DELINEATION PROVIDED BY OTHERS.
2. TEMPORARY MATTING CONFIGURATION BASED ON PLANS PREPARED BY PICKETT.

LEGEND	
	TEMPORARY MATTING
	WETLAND
	LIMITS OF UPLAND CLEARING
	DITCH, STREAM & WATERBODY
	LIMITS OF WETLAND CLEARING
	278A2 TRANSMISSION POLE TO BE INSTALLED
	EXISTING FPL EASEMENT
	278A2 EXISTING TRANSMISSION POLE TO REMAIN
	PROPOSED EASEMENT
	278A2 TRANSMISSION POLE TO BE REMOVED
	PROJECT BOUNDARY
	1 PROJECT MILE MARKER
	PROPERTY LINE

Existing Conditions Based on NGS Contours and first 1" of Runoff	
Volume of Watershed across site	8181 CY

During Temporary Matting Calculations	
Upland Temporary Matting Length	652 LF
Upland Temporary Matting Volume	111 CY

SITE RUNOFF (CFS)	
PRE	18.25
POST	18.25

TEMPORARY MATTING DETAILS

TOTAL IMPERVIOUS AREA (@80% FOR JOINTS AND LAYDOWN)	± 0.21 ACRES
TOTAL SITE AREA	± 5.92 ACRES
PERCENT OF VOLUME SHED INCREASE	1.08%

TEMPORARY MATTING VOLUME OF IMPACT IS MINIMAL 4" FOR THE UPLAND AND WETLAND COVER

MATTING HAS JOINTS EVERY 8' x 14' THAT ALLOW FOR WATER SHED TO PASS THROUGH AND FOR GENERAL PERMIABILITY (ASSUMED AT 80%).

TEMPORARY MATTING WILL BE PLACED WITHOUT PERFORMING ANY ADDITIONAL GRADING TO THE SITE, PREVENTING ANY ADDITIONAL RUN-OFF OR BLOCKAGES TO ADJOINING PARCELS.

Pre Construction	
Average Depth for 1" Runoff	0.072 FT

During Temporary Matting	
Average Depth for 1" Runoff	0.081 FT

Additional Water Displacement	
Average Depth for 1" Runoff	0.009 FT

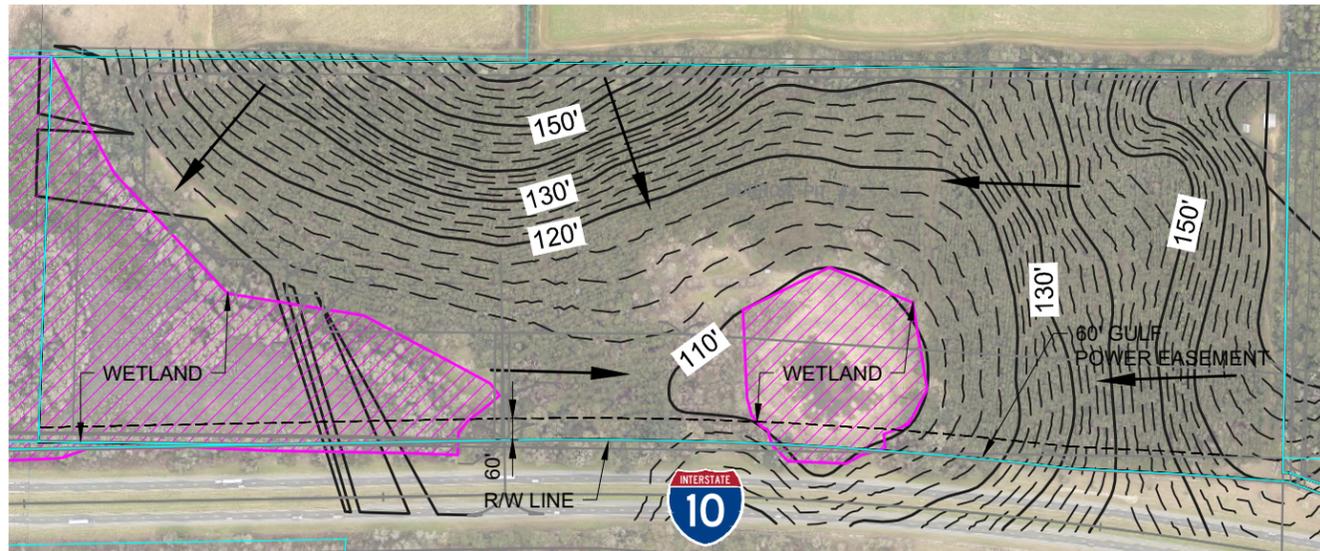
REV	DATE	DESCRIPTION	BY	CHKD	APP
0	10/25/19	ISSUED FOR PERMIT SUBMITTAL	GCC	JJB	MKL

GULF POWER COMPANY		NORTH FLORIDA RESILIENCY CONNECTION	
SCALE: N.T.S. DRAWN BY: JJB ENGINEER: MKL COUNTY: COLUMBIA SHEET 2 OF 5	DATE: 10/25/19 CHECKED BY: JJB SECTION: AS SHOWN FILE NAME: NFRC SITE STORM		TYPICAL UPLAND SITE TEMPORARY MATTING SITE 1 EXHIBIT



PRE-TEMPORARY MATTING SITE INFORMATION:

Type II 24-HR
100-YR Rainfall = 9.84"
Runoff Area = 85.18 Acres
Runoff Volume = 47.29 af
Runoff Depth > 6.74"
T_C = 79 min.

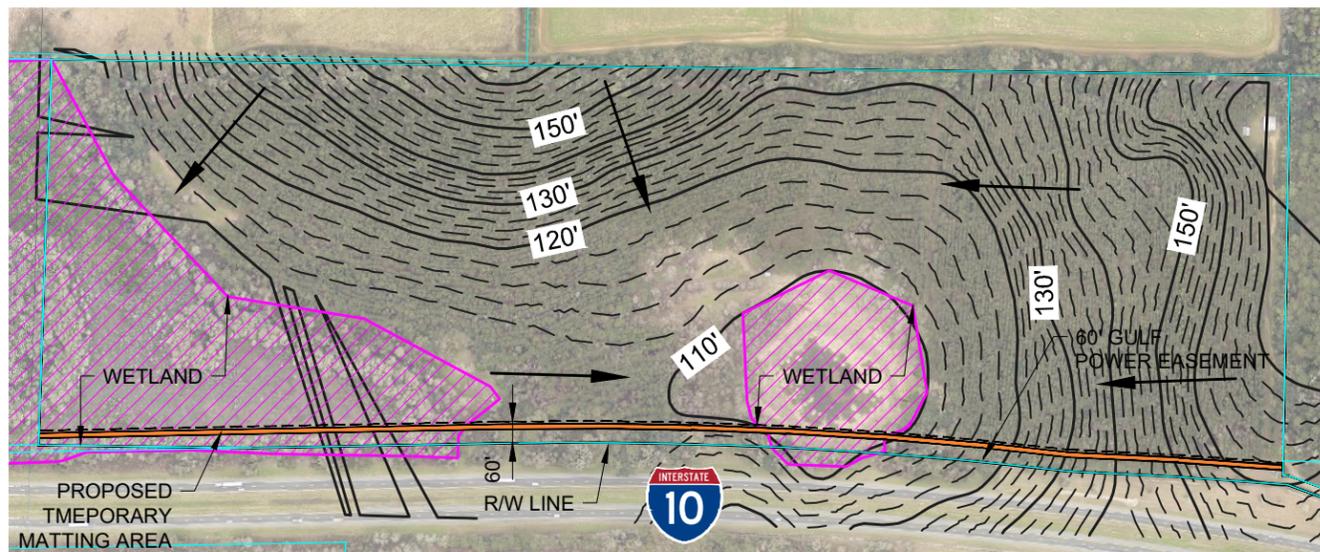


**TYPICAL MIXED SITE PRE-TEMPORARY MATTING
SITE TYPE II (N.T.S.)**



PRE-TEMPORARY MATTING SITE INFORMATION:

Type II 24-HR
100-YR Rainfall = 9.84"
Runoff Area = 85.18 Acres
Runoff Volume = 46.96 af
Runoff Depth > 6.62"
T_C = 78 min.



**TYPICAL MIXED SITE DURING TEMPORARY MATTING
SITE TYPE II (N.T.S.)**

GENERAL NOTES:

1. SURVEY BOUNDARIES AND WETLAND DELINEATION PROVIDED BY OTHERS.
2. TEMPORARY MATTING CONFIGURATION BASED ON PLANS PREPARED BY PICKETT.

LEGEND			
	TEMPORARY MATTING		WETLAND
	LIMITS OF UPLAND CLEARING		DITCH, STREAM & WATERBODY
	LIMITS OF WETLAND CLEARING	278A2	TRANSMISSION POLE TO BE INSTALLED
	EXISTING FPL EASEMENT	278A2	EXISTING TRANSMISSION POLE TO REMAIN
	PROPOSED EASEMENT	278A2	TRANSMISSION POLE TO BE REMOVED
	PROJECT BOUNDARY	1	PROJECT MILE MARKER
	PROPERTY LINE		

Existing Conditions Based on NGS Contours and first 1" of Runoff	
Volume of Watershed across site	11,648 CY

During Temporary Matting Calculations	
Upland Temporary Matting Length	3476 LF
Upland Temporary Matting Volume	594 CY

SITE RUNOFF (CFS)	
PRE	254.25
POST	254.39

TEMPORARY MATTING DETAILS

TOTAL IMPERVIOUS AREA (@80% FOR JOINTS AND LAYDOWN)	± 1.12 ACRES
TOTAL SITE AREA	± 86.64 ACRES
PERCENT OF VOLUME SHED INCREASE	5.10%

TEMPORARY MATTING VOLUME OF IMPACT IS MINIMAL 4" FOR THE UPLAND AND WETLAND COVER

MATTING HAS JOINTS EVERY 8' x 14' THAT ALLOW FOR WATER SHED TO PASS THROUGH AND FOR GENERAL PERMIABILITY (ASSUMED AT 80% IMPREVIOUS IN THE UPLANDS AND 99% IMPERVIOUS IN THE WETLANDS).

TEMPORARY MATTING WILL BE PLACED WITHOUT PERFORMING ANY ADDITIONAL GRADING TO THE SITE, PREVENTING ANY ADDITIONAL RUN-OFF OR BLOCKAGES TO ADJOINING PARCELS.

Pre Construction	
Average Depth for 1" Runoff	0.14 FT

During Temporary Matting	
Average Depth for 1" Runoff	0.15 FT

Additional Water Displacement	
Average Depth for 1" Runoff	0.01 FT

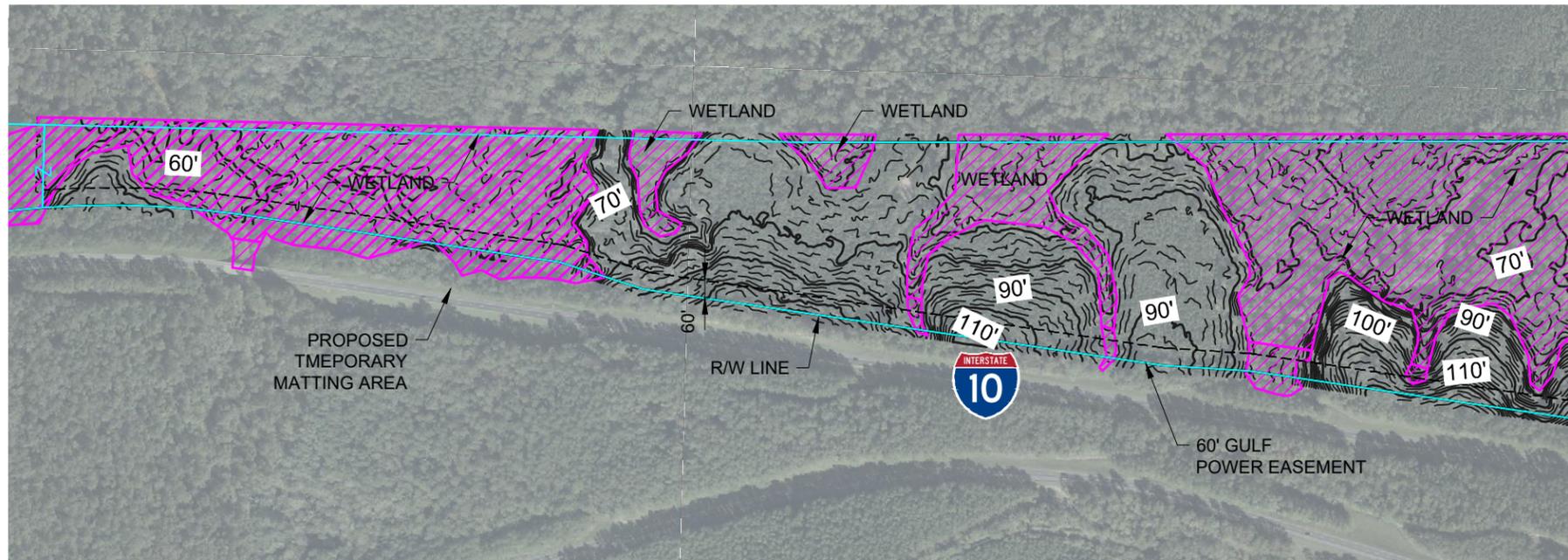
REV	DATE	DESCRIPTION	BY	CHKD	APP
0	10/25/19	ISSUED FOR PERMIT SUBMITTAL	GCC	JJB	MKL

GULF POWER COMPANY		NORTH FLORIDA RESILIENCY CONNECTION	
SCALE: N.T.S. DRAWN BY: JJB ENGINEER: MKL COUNTY: COLUMBIA SHEET 3 OF 5	DATE: 10/25/19 CHECKED BY: JJB SECTION: AS SHOWN FILE NAME: NFRC SITE STORM		TYPICAL MIXED UPLAND/WETLAND SITE TEMPORARY MATTING SITE 2 EXHIBIT 20210015-EI



PRE-TEMPORARY MATTING SITE INFORMATION:

Type II 24-HR
100-YR Rainfall = 9.84"
Runoff Area = 70.138 Acres
Runoff Volume = 44.36 af
Runoff Depth > 7.59"
T_c = 25.1 min.

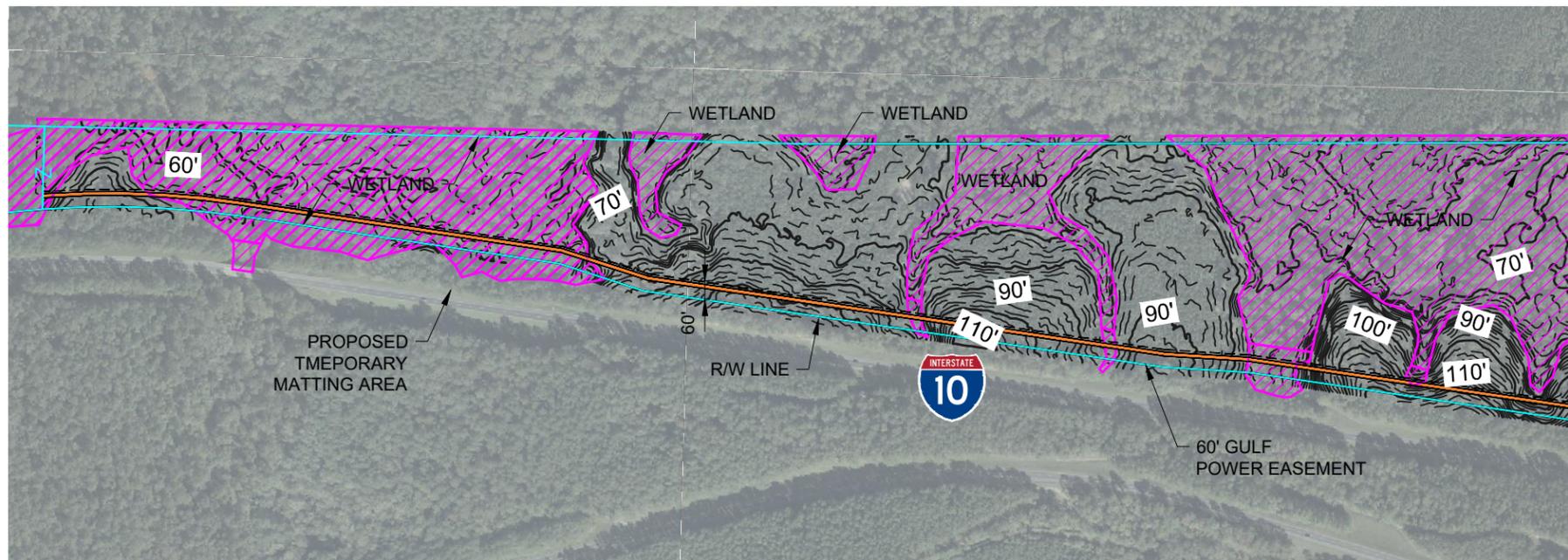


TYPICAL WETLAND SITE PRE-TEMPORARY MATTING SITE TYPE III (N.T.S.)



PRE-TEMPORARY MATTING SITE INFORMATION:

Type II 24-HR
100-YR Rainfall = 9.84"
Runoff Area = 70.138 Acres
Runoff Volume = 44.36 af
Runoff Depth > 7.59"
T_c = 25.1 min.



TYPICAL WETLAND SITE DURING TEMPORARY MATTING SITE TYPE III (N.T.S.)

SITE RUNOFF (CFS)	
PRE	254.25
POST	254.39

TEMPORARY MATTING DETAILS

TOTAL IMPERVIOUS AREA ± 1.71 ACRES
(@80% FOR JOINTS AND LAYDOWN)

TOTAL SITE AREA ± 70.33 ACRES

PERCENT OF VOLUME SHED INCREASE 9.62%

TEMPORARY MATTING VOLUME OF IMPACT IS MINIMAL 4" FOR THE UPLAND AND WETLAND COVER

MATTING HAS JOINTS EVERY 8' x 14' THAT ALLOW FOR WATER SHED TO PASS THROUGH AND FOR GENERAL PERMIABILITY (ASSUMED AT 80% IN UPLANDS AND 99 IN WETLANDS).

TEMPORARY MATTING WILL BE PLACED WITHOUT PERFORMING ANY ADDITIONAL GRADING TO THE SITE, PREVENTING ANY ADDITIONAL RUN-OFF OR BLOCKAGES TO ADJOINING PARCELS.

Pre Construction	
Average Depth for 1" Runoff	0.12 FT

During Temporary Matting	
Average Depth for 1" Runoff	0.13 FT

Additional Water Displacement	
Average Depth for 1" Runoff	0.01 FT

GENERAL NOTES:

1. SURVEY BOUNDARIES AND WETLAND DELINEATION PROVIDED BY OTHERS.
2. TEMPORARY MATTING CONFIGURATION BASED ON PLANS PREPARED BY PICKETT.

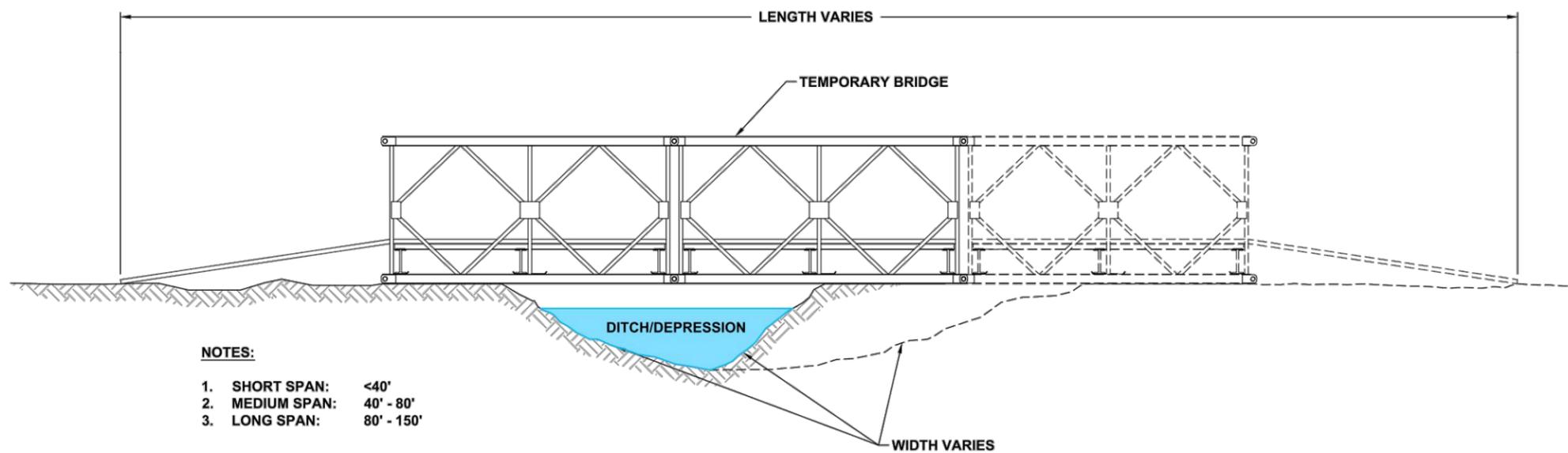
Existing Conditions Based on NGS Contours and first 1" of Runoff	
Volume of Watershed across site	9,456 CY

During Temporary Matting Calculations	
Upland Temporary Matting Length	5,318 LF
Upland Temporary Matting Volume	910 CY

REV	DATE	DESCRIPTION	GCC	JB	MKL
0	10/25/19	ISSUED FOR PERMIT SUBMITTAL			
			BY	CKD	APP

LEGEND			
	TEMPORARY MATTING		WETLAND
	LIMITS OF UPLAND CLEARING		DITCH, STREAM & WATERBODY
	LIMITS OF WETLAND CLEARING		TRANSMISSION POLE TO BE INSTALLED
	EXISTING FPL EASEMENT		EXISTING TRANSMISSION POLE TO REMAIN
	PROPOSED EASEMENT		TRANSMISSION POLE TO BE REMOVED
	PROJECT BOUNDARY		PROJECT MILE MARKER
	PROPERTY LINE		

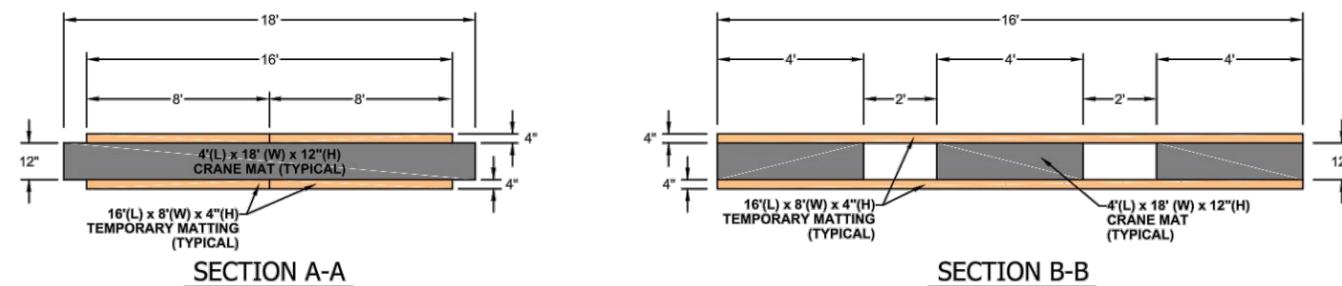
GULF POWER COMPANY		NORTH FLORIDA RESILIENCY CONNECTION	
SCALE: 1" = 200' DRAWN BY: GCC ENGINEER: MKL COUNTY: COLUMBIA SHEET 4 OF 5	DATE: 10/25/19 CHECKED BY: JRC SECTION: AS SHOWN FILE NAME: NFRC STAGING AREAS	TYPICAL WETLAND SITE TEMPORARY MATTING SITE 3 EXHIBIT	



NOTES:

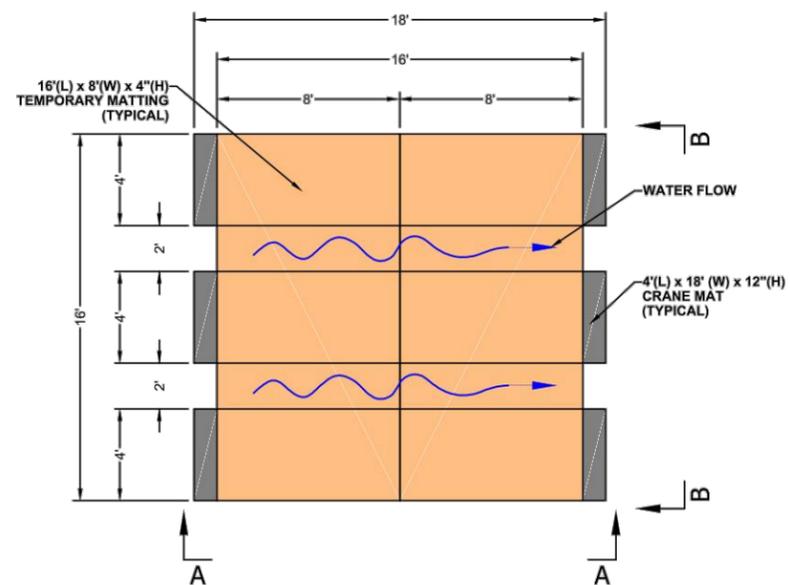
1. SHORT SPAN: <40'
2. MEDIUM SPAN: 40' - 80'
3. LONG SPAN: 80' - 150'

TYPICAL TEMPORARY BRIDGE DETAIL



SECTION A-A

SECTION B-B



TYPICAL TEMPORARY MATTING DETAIL



PHOTO OF TYPICAL LAYOUT OF WOOD & PLANK MATTING



PHOTO OF TYPICAL LAYOUT OF COMPOSITE MATTING

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REV	DATE	DESCRIPTION	BY	CKD	APP

GULF POWER COMPANY

NORTH FLORIDA RESILIENCY CONNECTION

FPL 035288
20210015-EI

SCALE: NTS
DRAWN BY: GCC
ENGINEER: MKL
COUNTY: COLUMBIA
SHEET 5 OF 5

DATE: 10/25/19
CHECKED BY: JRC
SECTION: AS SHOWN
FILE NAME: NFRC STAGING AREAS



**TYPICAL WETLAND SITE
TEMPORARY MATTING
EXHIBIT DETAILS**