

VOLUMES ANALYSIS

LOCATION MAP



VICINITY MAP



HERNANDO COUNTY, FL



CLIENT

HERNANDO COUNTY
16161 FLIGHT PATH DRIVE
BROOKSVILLE, FLORIDA 34604

ENGINEER OF RECORD

STANTEC - RACHEL ZASTROW, PE
777 S. HARBOUR ISLAND BLVD, SUITE 600
TAMPA, FL 33602
(813) 230-3115

SURVEYOR

MORGAN AND EKLUND INC.
4909 US HIGHWAY 1
VERO BEACH, FL 32967
(772) 388-5364

JULY 2025

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PREPARED BY

STANTEC CONSULTING SERVICES, INC
777 S. HARBOUR ISLAND BLVD, SUITE 600
TAMPA, FL 33602



FOR REVIEW PURPOSES
ONLY

DATE:

ENGINEER OF RECORD: RACHEL ZASTROW
FLORIDA P.E. #97620

1. ALL COORDINATES REFERENCE THE NORTH AMERICAN DATUM OF 1983/1990 ADJUSTMENT (NAD83/90) STATE PLANE ZONE 0902 FLORIDA WEST (FT).
2. ALL ELEVATIONS REFER TO NOAA VERTICAL DATUM TRANSFORMATION TOOL:
LAT. LONG = 28.485, -82.656

DATUM	TIDE LEVEL (FT)
MEAN HIGHER HIGH WATER (MHHW)	2.84
MEAN HIGH WATER (MHW)	2.51
NAVD88	1.47
MEAN SEA LEVEL (MSL)	1.24
MEAN LOW WATER (MLW)	0.00
MEAN LOWER LOW WATER (MLLW)	-0.42



1. DREDGE TEMPLATE CHANNEL WIDTHS VARY.
2. DREDGE TEMPLATE BOTTOM IS -5 FT MLW.
3. DREDGE TEMPLATE SIDE SLOPES ARE 3H:1V.

SUBAREA	DREDGE VOLUME (CY)
1	18,850
2	49,991
3	6,414
4	5,955
5	11,337
6	10,643
TOTAL	103,190



ENGINEER OF RECORD
RACHIEL ZASTROW - FL P.E. #97620

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HERNANDO COUNTY
16161 FLIGHT PATH DRIVE
BROOKSVILLE, FL 34604

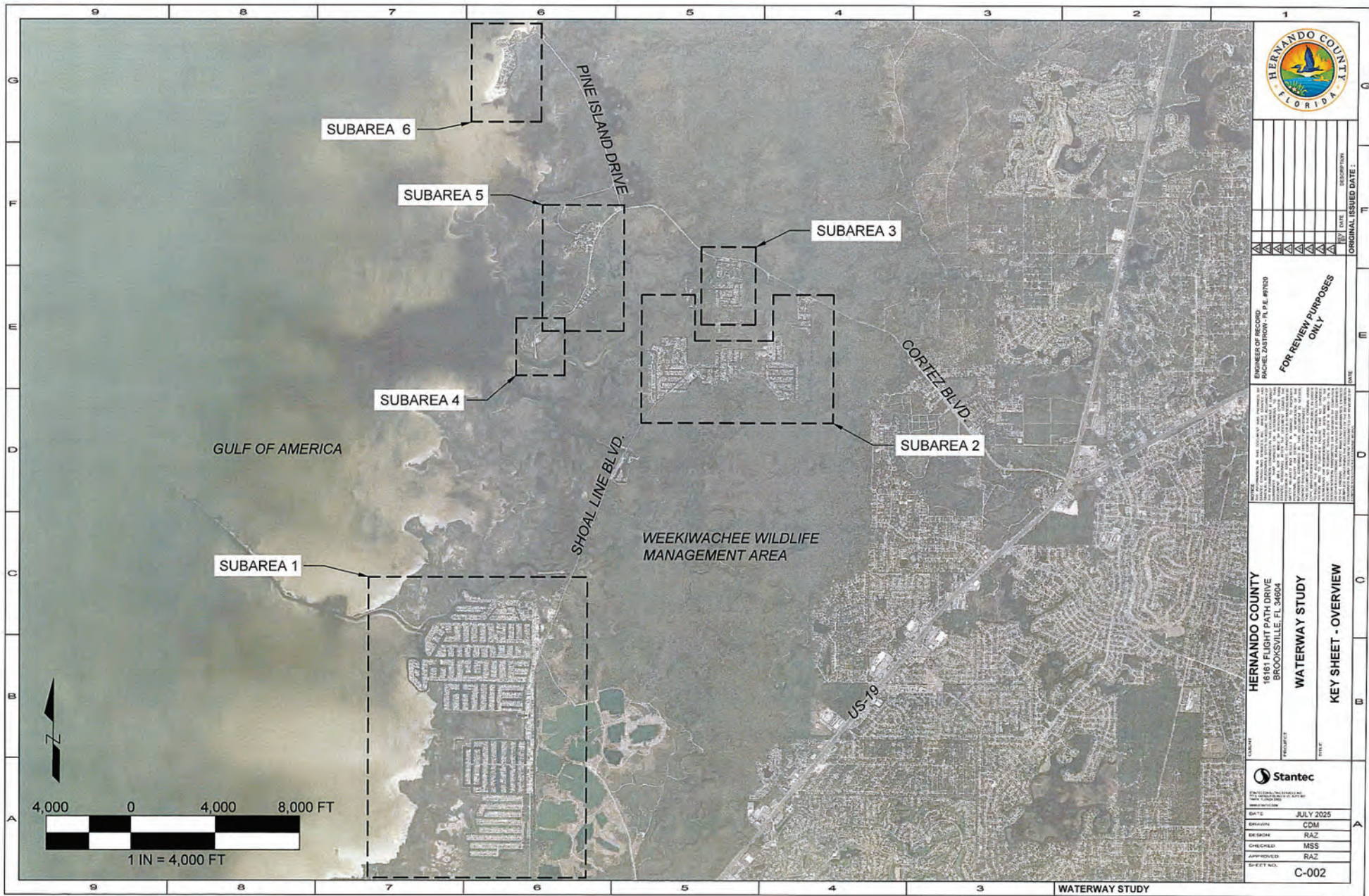
WATERWAY STUDY

GENERAL NOTES



QUARTER	JULY
CUMULATIVE	CD
PERIOD	RA
PERIOD	IAS
PERIOD	RA

C-001



DESIGNED BY
PROJECT ENGINEER
RACHEL CASTROVA, P.E. #9700

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HERNANDO COUNTY
16161 FLIGHT PATH DRIVE
BROOKSVILLE, FL 34604

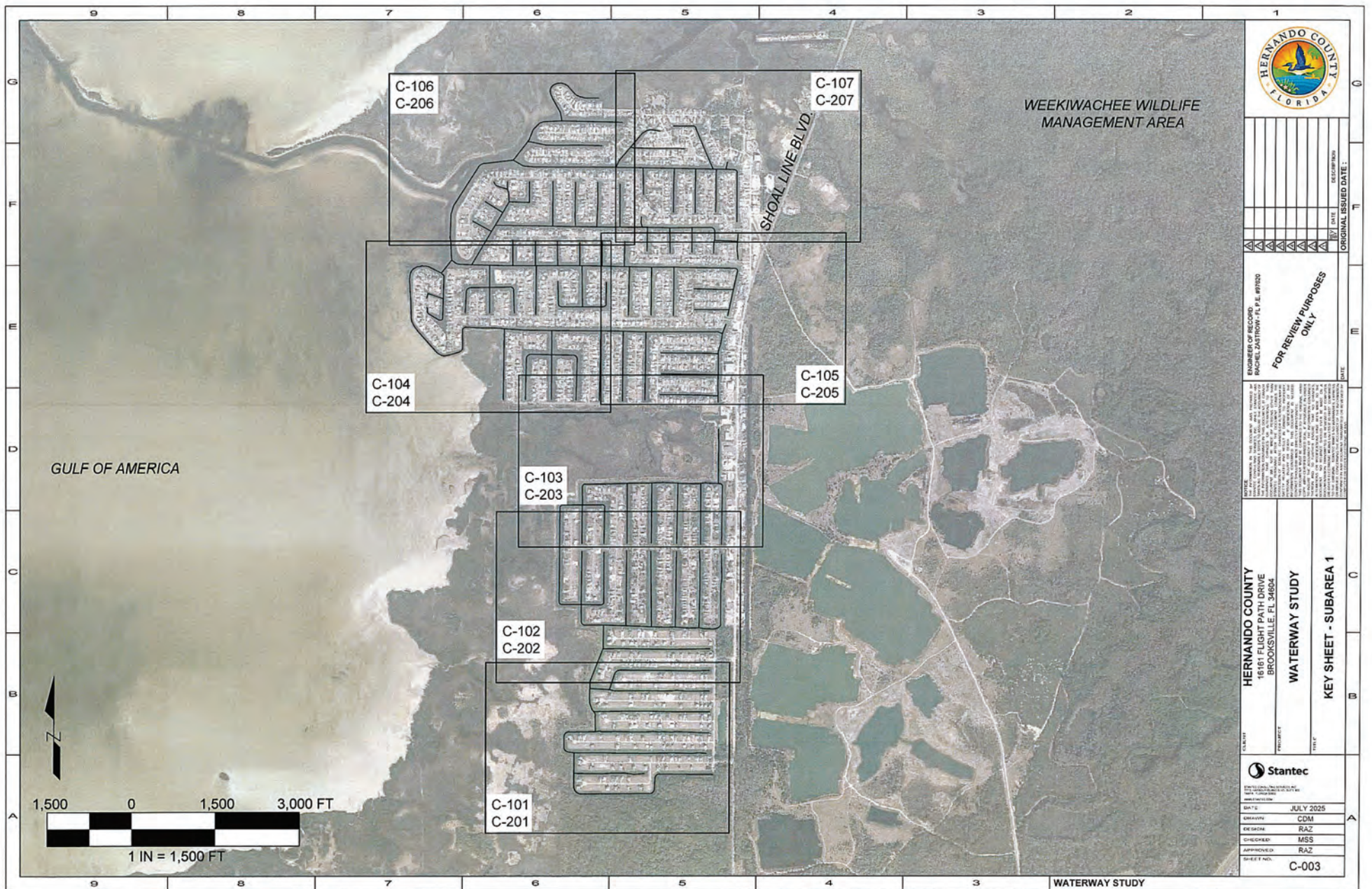
WATERWAY STUDY

KEY SHEET - OVERVIEW



DATE: JULY 2025
DESIGNED: CDM
CHECKED: RAZ
APPROVED: MSS
SHEET NO. RAZ

C-002



WEEKIWACHEE WILDLIFE
MANAGEMENT AREA

FOR REVIEW PURPOSES
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NOTICE: This map is a preliminary representation of the proposed project and is not intended to be used for any other purpose. It is the responsibility of the user to verify the accuracy of the information presented on this map. The user acknowledges that the use of this map for any other purpose is at their own risk. The user agrees to hold the County harmless from any and all claims, damages, and expenses, including reasonable attorneys' fees, that may be incurred by the County as a result of the use of this map for any other purpose.

HERNANDO COUNTY
18161 FLIGHT PATH DRIVE
BROOKSVILLE, FL 34604

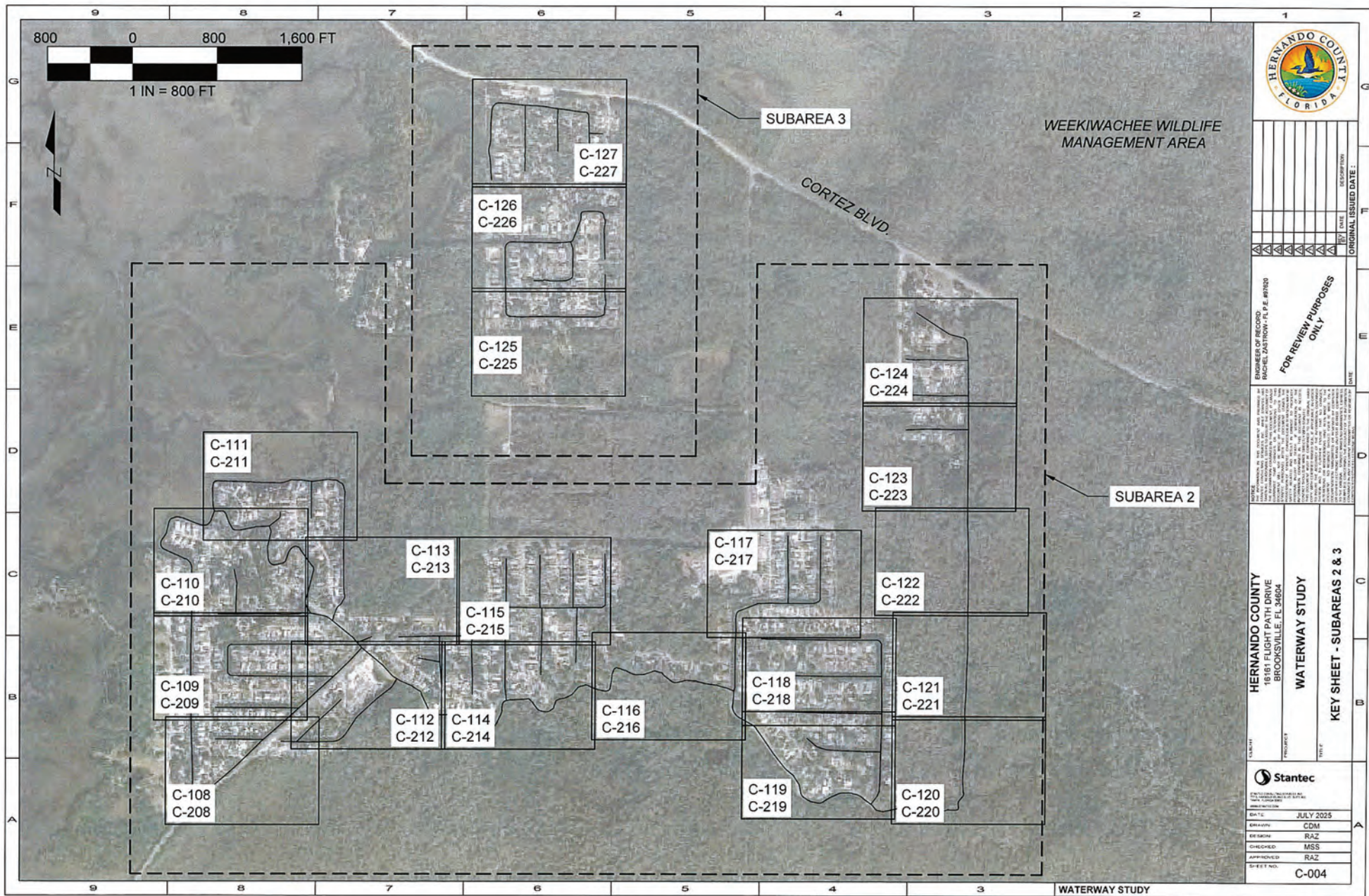
WATERWAY STUDY

KEY SHEET - SUBAREA 1



DATE: JULY 2025
DRAWN: CDM
DESIGN: RAZ
CHECKED: MSS
APPROVED: RAZ
SHEET NO.: C-003

WATERWAY STUDY



HERNANDO COUNTY
FLORIDA

FOR REVIEW PURPOSES
ONLY

HERNANDO COUNTY
1000 FLORIDA DRIVE
BROOKSVILLE, FL 34604

WATERWAY STUDY

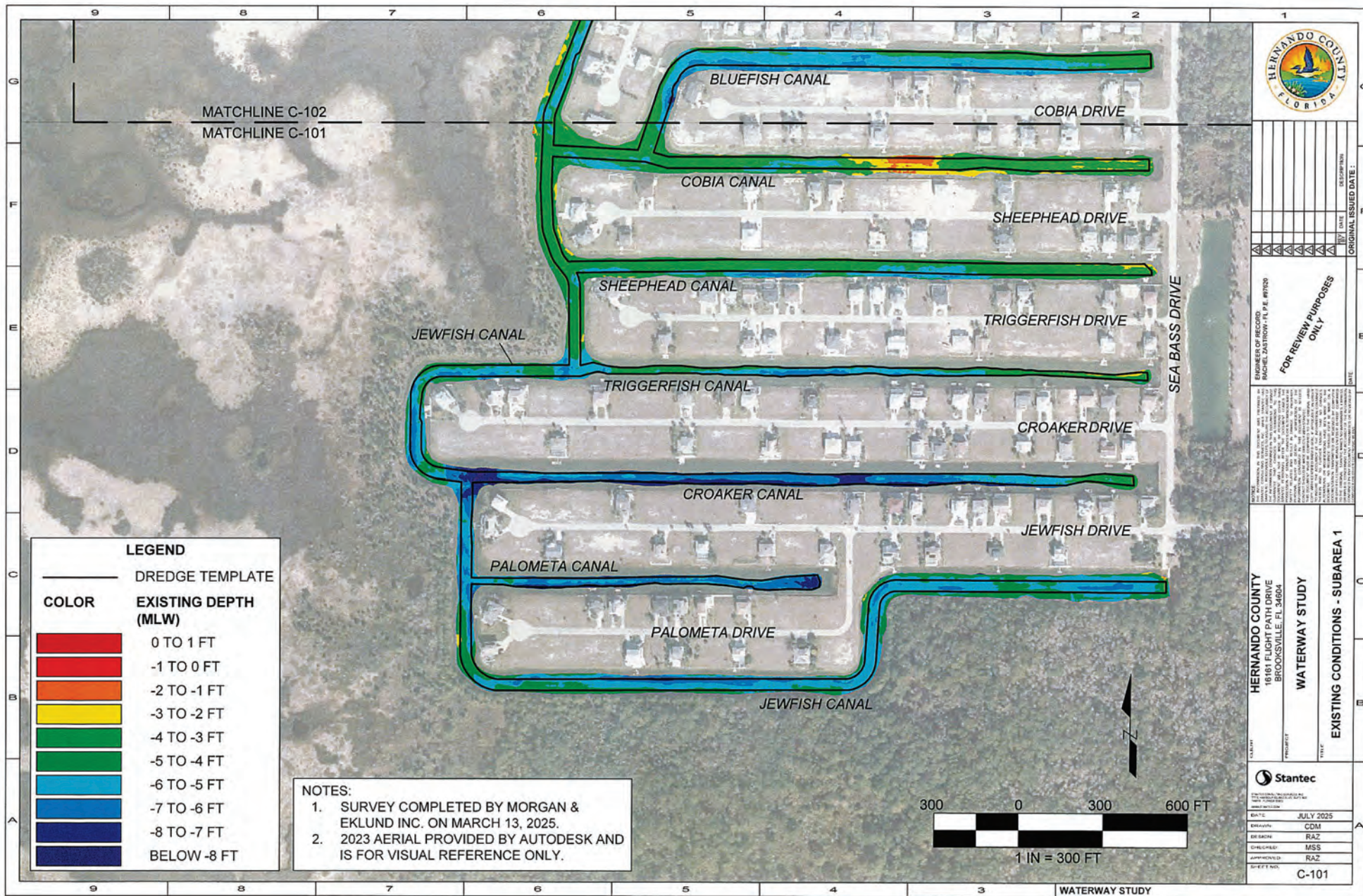
KEY SHEET - SUBAREAS 2 & 3

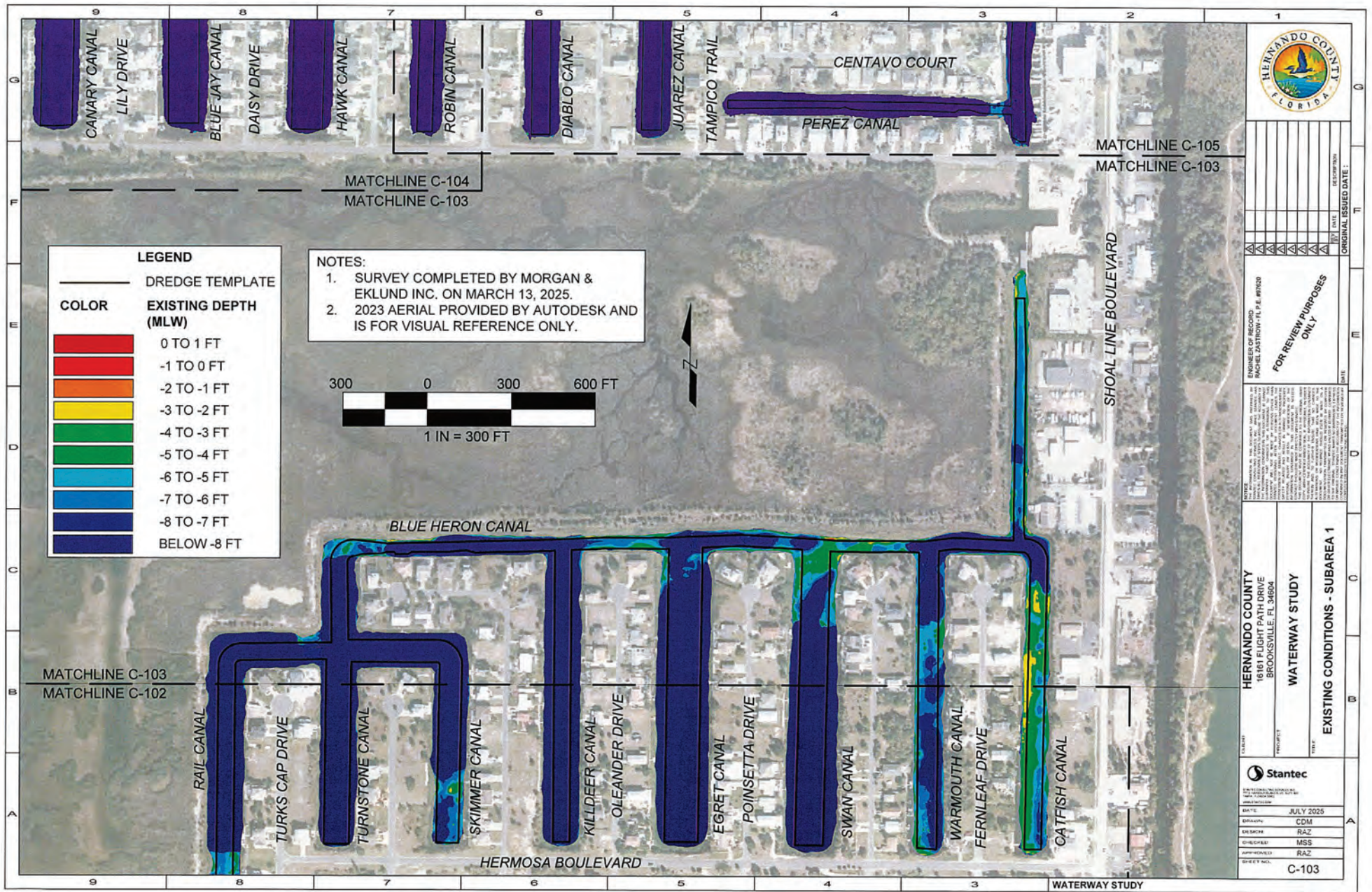


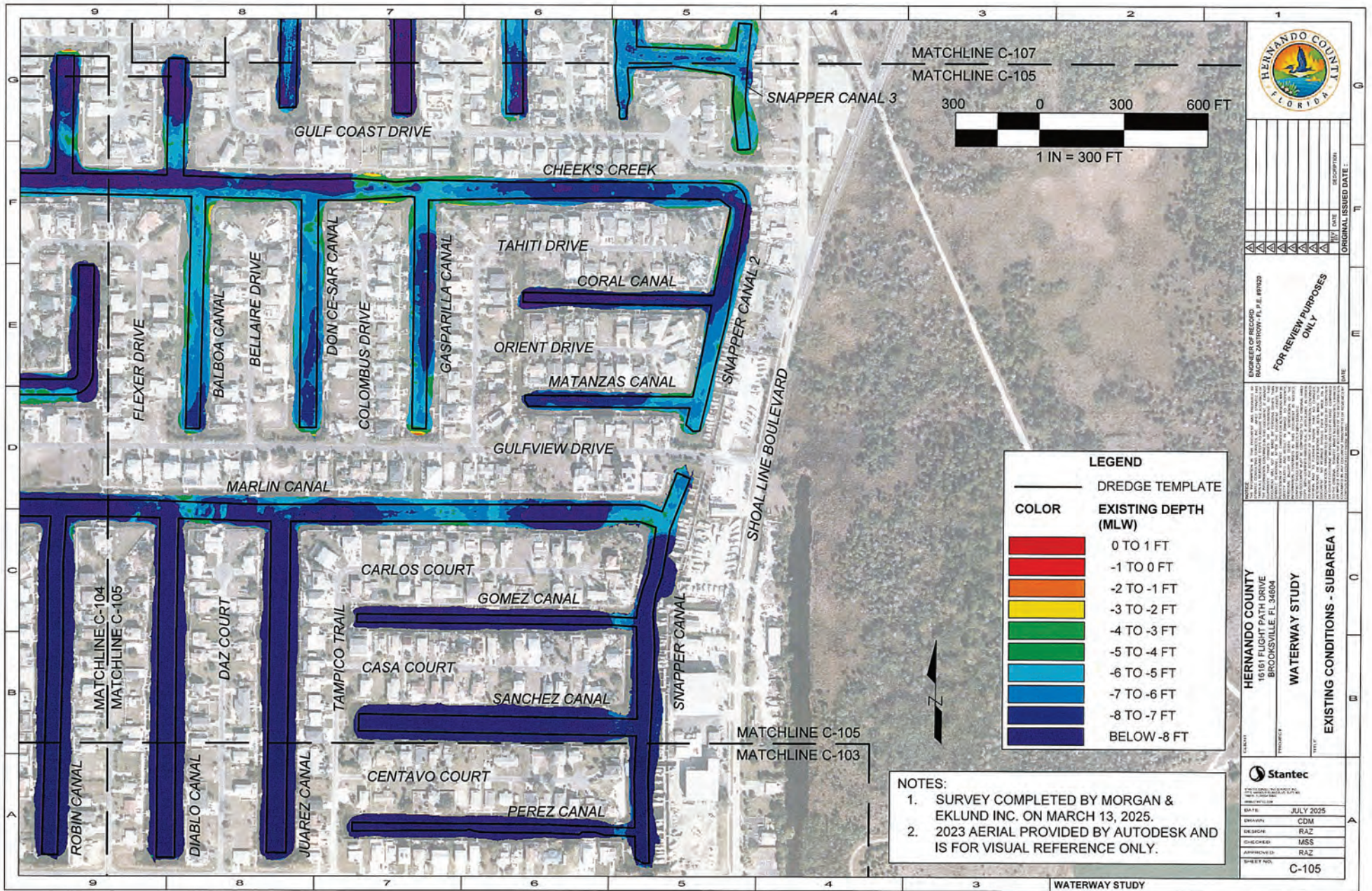
DESIGNED BY: J. L. BRYAN
DRAWN BY: J. L. BRYAN

DATE: JULY 2025
DESIGNED BY: CDM
DRAWN BY: RAZ
CHECKED BY: MSS
APPROVED BY: RAZ

SHEET NO. C-004







REV	DATE	DESCRIPTION

FOR REVIEW PURPOSES ONLY

HERNANDO COUNTY
1818 FLIGHT PATH DRIVE
BROOKSVILLE, FL 34604

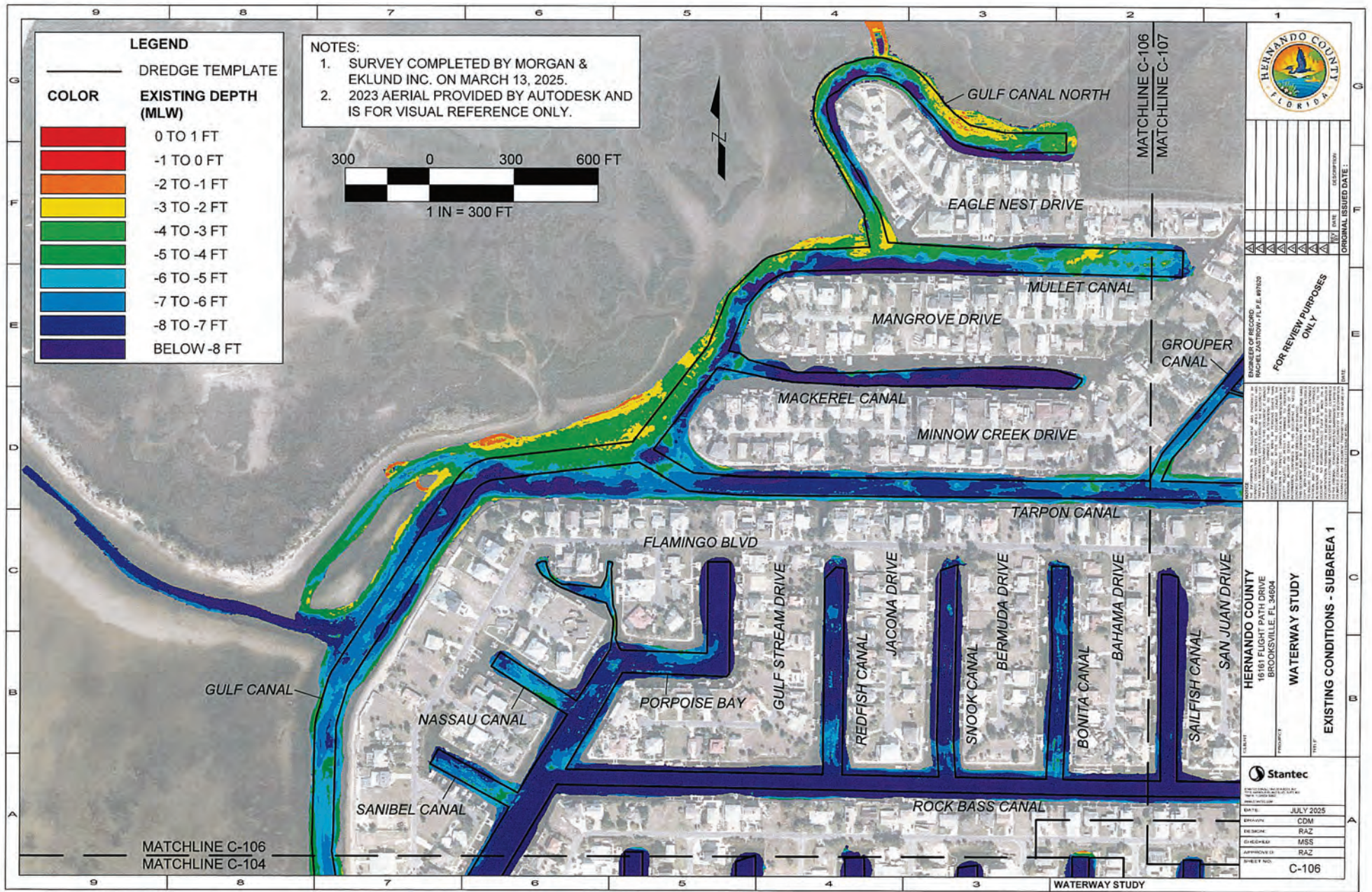
WATERWAY STUDY
EXISTING CONDITIONS - SUBAREA 1

DATE	JULY 2025
DESIGNER	CDM
ENGINEER	RAZ
CHECKER	MSS
APPROVER	RAZ
SHEET NO.	C-105

LEGEND	
—	DREDGE TEMPLATE
COLOR	EXISTING DEPTH (MLW)
Red	0 TO 1 FT
Orange	-1 TO 0 FT
Yellow	-2 TO -1 FT
Light Green	-3 TO -2 FT
Green	-4 TO -3 FT
Blue	-5 TO -4 FT
Dark Blue	-6 TO -5 FT
Purple	-7 TO -6 FT
Purple	BELOW -8 FT

NOTES:
1. SURVEY COMPLETED BY MORGAN & EKLUND INC. ON MARCH 13, 2025.
2. 2023 AERIAL PROVIDED BY AUTODESK AND IS FOR VISUAL REFERENCE ONLY.

WATERWAY STUDY



DATE	DESCRIPTION

ENGINEER OF RECORD
MORGAN & EKLUND, P.L.L.C.
15001 W. BAYVIEW BLVD., SUITE 200
DADE CITY, FL 34608
TEL: 813-841-1111
FAX: 813-841-1112
WWW.MORGAN-EKLUND.COM

FOR REVIEW PURPOSES ONLY

PROJECT: WATERWAY STUDY - SUBAREA 1
SHEET NO.: C-106

HERNANDO COUNTY
15101 FLIGHT PATH DRIVE
BROOKSVILLE, FL 34604

WATERWAY STUDY

EXISTING CONDITIONS - SUBAREA 1

Stantec

DATE: JULY 2025
DESIGNER: CDM
CHECKER: RAZ
APPROVER: MSS
APPROVER: RAZ

NOTES:
 1. SURVEY COMPLETED BY MORGAN & EKLUND INC. ON MARCH 13, 2025.
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LEGEND

DREDGE TEMPLATE

COLOR

Red	0 TO 1 FT
Red	-1 TO 0 FT
Orange	-2 TO -1 FT
Yellow	-3 TO -2 FT
Light Green	-4 TO -3 FT
Green	-5 TO -4 FT
Blue	-6 TO -5 FT
Dark Blue	-7 TO -6 FT
Dark Blue	-8 TO -7 FT
Dark Blue	BELOW -8 FT

EXISTING DEPTH (MLW)



DATE	DESCRIPTION

FOR REVIEW PURPOSES ONLY

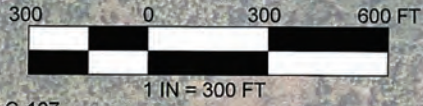
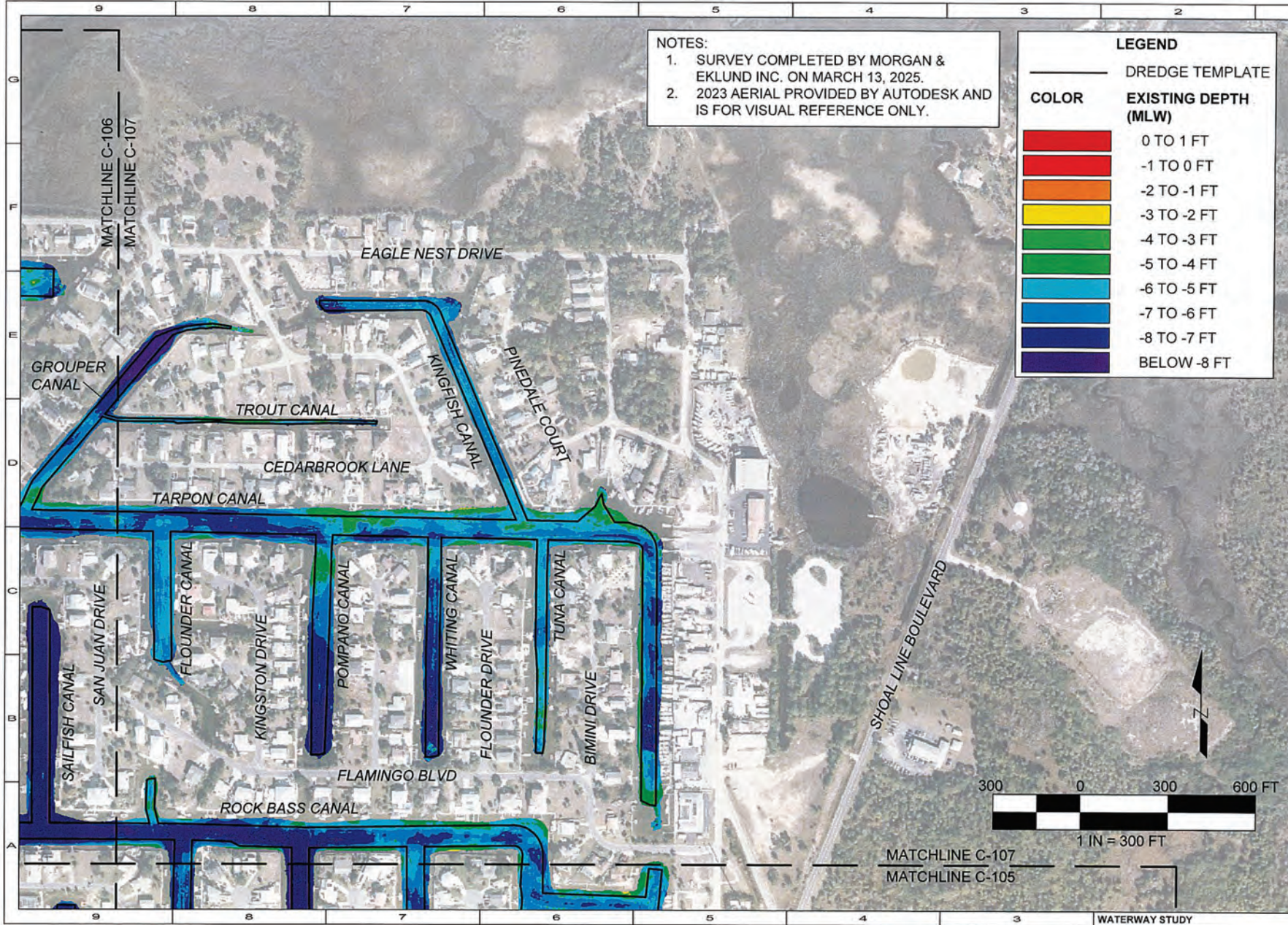
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HERNANDO COUNTY
 16351 FLIGHT PATH DRIVE
 BROOKSVILLE, FL 34604

WATERWAY STUDY

EXISTING CONDITIONS - SUBAREA 1

DATE:	JULY 2025
DESIGNED BY:	CDM
ENGINEER:	RAZ
CHECKED BY:	MSS
APPROVED BY:	RAZ
SHEET NO.:	C-107



WATERWAY STUDY