170 GOWEN DRIVE
SHORELINE STABILIZATION
CMPA PERMIT APPLICATION



VICINITY MAP
NTS

PREPARED FOR:
TERRANCE & ARIEL GROOMS

170 GOWEN DRIVE
WOODBINE, GA 31569

LABARBA ENVIRONMENTAL SERVICES
139 ALTAMA CONN. #161
BRUNSWICK, GA 31525

ORIGINAL ISSUE DATE: 8/26/2026

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FOR PERMITTING PURPOSES ONLY

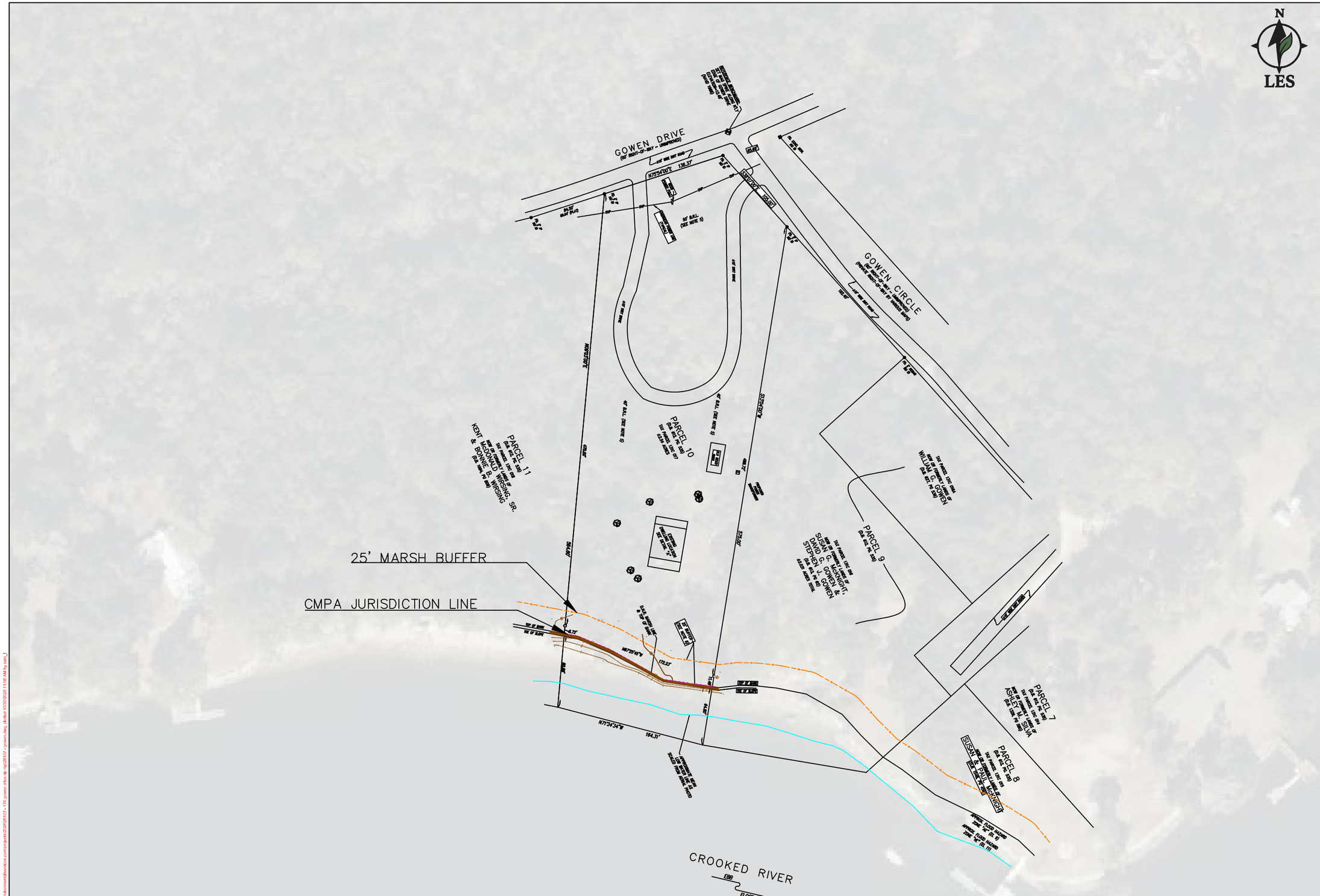
NOTES

COVER

LABARBA ENVIRONMENTAL SERVICES
BRUNSWICK, GA
PREPARED FOR:
TERRANCE & ARIEL GROOMS

DATE: 8/26/2026
SCALE: NTS

1
SHEET:



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NOTES

PROJECT AREA

LABARBA ENVIRONMENTAL SERVICES
BRUNSWICK, GA

PREPARED FOR:
TERRANCE & ARIEL GROOMS

DATE: 8/26/2026

SCALE: 1" = 100'

SHEET: 2

N

LES

FOR PERMITTING PURPOSES ONLY

NOTES

SBL

TOP OF BANK

TOE OF SLOPE

D.N.R. MARSH LINE & TOP OF BANK

25' BUFFER (SEE NOTE 8)

SEVERELY ERODED SHORELINE
≈8' BLUFF

N71°34'34"W

164.31'

APPROXIMATE LOW WATER SCALED FROM

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

EXISTING CONDITIONS

LABARBA ENVIRONMENTAL SERVICES
BRUNSWICK, GA

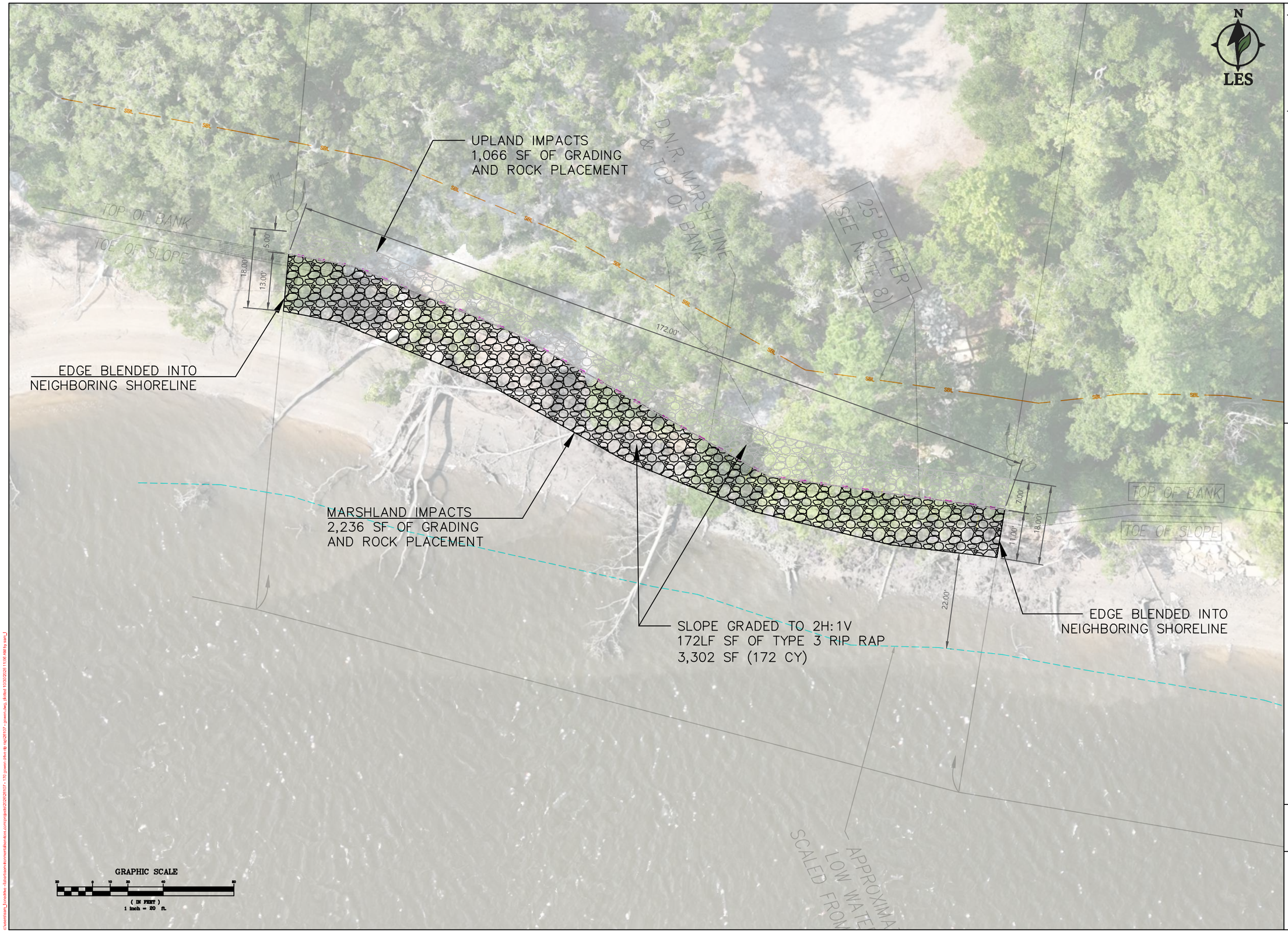
PREPARED FOR:
TERRANCE & ARIEL GROOMS

DATE: 8/26/2026

SCALE: 1" = 20'

3

SHEET:



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NOTES

PROPOSED CONDITIONS

LABARBA ENVIRONMENTAL SERVICES
BRUNSWICK, GA

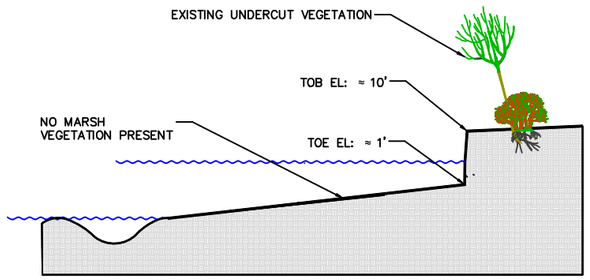
PREPARED FOR:
TERRANCE & ARIEL GROOMS

DATE: 8/26/2026

SCALE: 1" = 20'

4

SHEET:



EXISTING BLUFF

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NOTES

RIP RAP MEASUREMENTS

172 LF * 18' WIDE = 3,302 SF

3,302 SF * 1.492767' THICK = 4,929 CF

4,929 CF / 27 = 182.55 CY

182.55 CY / 172 LF = 1.06 CY/LF

MARSH IMPACTS

172 LF * 13' WIDE = 2,236 SF

2,236 SF * 1.492767' THICK = 3,338 CF

3,338 CF / 27 = 123.6 CY

123.6 CY / 172 LF = 0.97 CY/LF

UPLAND IMPACTS

172 LF * 5'-8' WIDE = 1,066 SF

1,066 SF * 1.492767' THICK = 1,593 CF

1,593 CF / 27 = 59 CY

59 CY / 172 LF = 0.34 CY/LF

PRE-CONSTRUCTION = 100% PERVIOUS

POST-CONSTRUCTION = 100% PERVIOUS

PROFILE

LABARBA ENVIRONMENTAL SERVICES
BRUNSWICK, GA
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DATE: 8/26/2026

SCALE: NTS

5

SHEET:

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