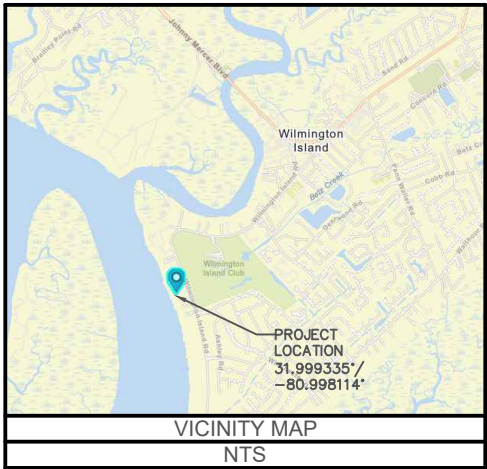# COASTAL MARSHLANDS PROTECTION ACT PERMIT APPLICATION

VICINITY MAP
NTS

PREPARED FOR:
ROBERT ALI
LOT 53-55 WALTHOUR SUBDIVISION
WILMINGTON ISLAND
5TH GMD, CHATHAM COUNTY, GA

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

ORIGINAL ISSUE DATE: 02/17/25

CONTENTS		
SHEET		DATE
1	COVER	03/04/2025
2	EXISTING CONDITIONS	03/04/2025
3	MARSHLAND COMPONENT	03/04/2025
4	BUFFER COMPONENT	03/04/2025
5	REVEGETATION PLAN	03/04/2025
6	PROFILE	03/04/2025
7	TYPICAL CONSTRUCTION METHOD	03/04/2025

COVER

LABARBA ENVIRONMENTAL SERVICES
BRUNSWICK, GA
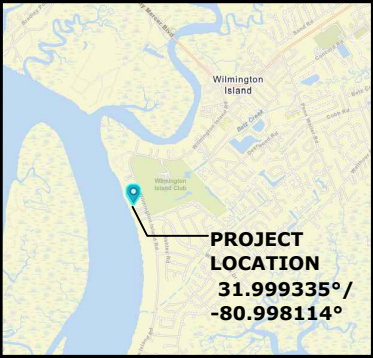
PREPARED FOR:
ROBERT ALI

DATE: 03/04/2025
SCALE: NTS

SHEET:
1

LOTS 51 & 52
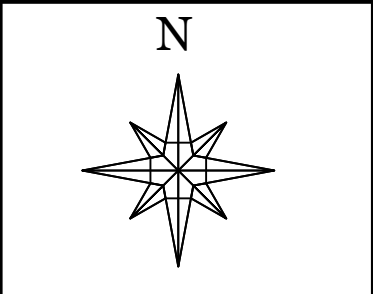NOW OR FORMERLY LANDS OF
S. MARK KAMALESON
(D.B. 264-Z, PG. 393)

4' x 4' CONCRETE
MONUMENT, FOUND

571.19'

N 69°00'03" E

LIMIT OF MARSH
VEGETATION

4' x 4' CONCRETE
MONUMENT, FOUND

CHAIN-LINK FENCE

CONCRETE
RETENTION WALLS

TERMINUS
UNKNOWN

KOI
POND

INV. = 5.68

6' ALUMINUM
FENCE

MEAN LOW WATER

WILMINGTON ISLAND ROAD
(60' RIGHT-OF-WAY P.B. 7-E, PG. 610)

STATIONARY DOCK

CONCRETE WALK

OTHER IMPROVEMENTS
NOT LOCATED

WILMINGTON RIVER

DOCK
HOUSE

EXISTING DOCK

CONTOUR ELEVATION = 5.41+ (NAVD)
CMPA LINE & GA DNR
JURISDICTIONAL LINE
(SEE NOTE No. 8)

SALT MARSH

N 23°29'51" W
300.89'

FLOATING DOCK

25' CMPA BUFFER
(SEE NOTE No. 7)

PROJECT AREA: 6899.86 SQ FT
MARSHLAND AREA: 1522.39 SQ FT
UPLAND AREA: 5377.47 SQ FT

GRATE INLET
RIM = 11.80
INV. = 5.80

3' x 3' CONCRETE
MONUMENT, FOUND

S 21°02'56" E

300.33'

558.34'

S 68°58'25" W

INV. = 5.76

LOT 56
NOW OR FORMERLY LANDS OF
MICHELLE SHELLIE C. LEE
(D.B. 575, PG. 279)

REBAR, FOUND

WOOD RETENTION WALL

Corporation © 2025 Maxar ©CNES (2025) Distribution Airbus DS

PROJECT LOCATION
31.999335°/
-80.998114°

LEGEND:

	COMMUNICATIONS PEDESTAL
	GROUND LIGHT
	IRRIGATION CONTROL VALVE
	ELECTRICAL BOX
	GRATE INLET
11.6	EXISTING SPOT ELEVATIONS AT DECIMAL POINT
11.66	EXISTING SPOT ELEVATIONS AT ARROW TIP
	EXISTING CONTOURS
	STORM DRAIN PIPES
	FENCE
	LIMIT OF MARSH VEGETATION
	MEAN LOW WATER
	MEAN HIGH WATER / DNR
	PROJECT AREA
	BULKHEAD
	TYPE 3 RIP RAP
	MARSH VEGETATION
	WOOD DECKING
	FILL
	WATER OAK & SIZE
	LIVE OAK & SIZE
	PINE & SIZE
	PALM & HEIGHT

NOTES:
1. MLW AND MARSH VEGETATION WERE OBSERVED BY DRONE PHOTOGRAMMETRY ON JANUARY 12, 2025 AT 12:47 P.M. AT A PREDICTED LOW TIDE OF 0.37' MLLW (TEC3405 Savannah Sheraton Resort Hotel)

2. MLW AND VEGETATION LOCATIONS HAVE NOT BEEN VERIFIED BY A LICENSED SURVEYOR.

3. LOT SURVEY WAS PROVIDED BY JACKSON SURVEYING LLC ON DRAWING NUMBER C1126 02-00-25, DATED FEBRUARY 3, 2025.

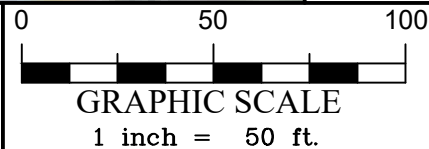4. PROJECT AREA CONSISTS OF PERMANENT STRUCTURES AND TEMPORARY IMPACTS DURING CONSTRUCTION.

N

This exhibit should be used for permitting purposes only and is not intended to be construction drawings.
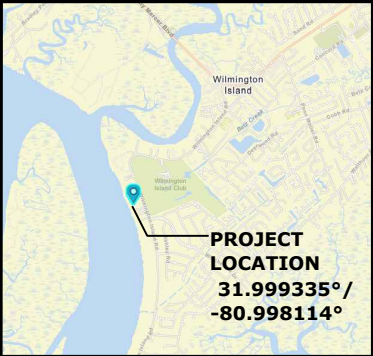
Prepared For:
ROBERT ALI
LOT 53-55 WALTHOUR SUBDIVISION
WILMINGTON ISLAND
5TH G.M.D., CHATHAM COUNTY, GA

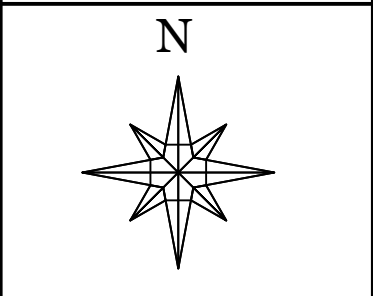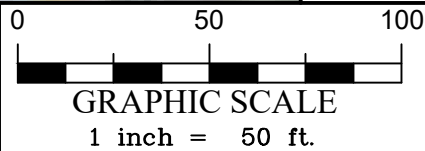LABARBA ENVIRONMENTAL SERVICES

EXISTING CONDITIONS

GRAPHIC SCALE
0   50   100
1 inch = 50 ft.

2

LOTS 51 & 52
NOW OR FORMERLY LANDS OF
S. MARK KAMALESON
(D.B. 264-Z, PG. 393)

4' x 4' CONCRETE
MONUMENT, FOUND

TIE INTO CONCRETE
RETENTION WALL

LIMIT OF MARSH
VEGETATION

CONCRETE
RETENTION WALLS

4' x 4' CONCRETE
MONUMENT, FOUND

CHAIN-LINK FENCE

TERMINUS
UNKNOWN
KOI
POND

INV. = 5.68
6' ALUMINUM
FENCE

MEAN LOW WATER

WILMINGTON ISLAND ROAD
(60' RIGHT-OF-WAY P.B. 2, PG. 610)

WILMINGTON RIVER

DOCK
HOUSE

EXISTING DOCK

STATIONARY DOCK

CONTOUR ELEVATION = 5.41' (NAVD88)
CMPA LINE & GA DNR
JURISDICTIONAL LINE
(SEE NOTE No. 8)

SALT MARSH

EROSIONAL
AREA

OTHER IMPROVEMENTS
NOT LOCATED

FLOATING
DOCK

PROPOSED BULKHEAD
304.5 LF (1' WIDE)
304.5 SQ FT

PROPOSED RIP RAP TOE
304.5 LF (2' THICK)
1,218 SQ FT

25' CMPA BUFFER
(SEE NOTE No. 7)

GRATE INLET
RIM = 11.80
INV. = 5.80

3 x 3 CONCRETE
MONUMENT, FOUND

INV. = 5.76

TIE INTO WOOD
RETENTION WALL

REBAR, FOUND

LOT 56
NOW OR FORMERLY LANDS OF
MICHELLE SHELLIE C. LEE
(D.B. 575, PG. 279)

WOOD RETENTION WALL

Corporation © 2025 Maxar ©CNES (2025) Distribution Airbus DS

LEGEND:

	COMMUNICATIONS PEDESTAL
	GROUND LIGHT
	IRRIGATION CONTROL VALVE
	ELECTRICAL BOX
	GRATE INLET
11.6	EXISTING SPOT ELEVATIONS AT DECIMAL POINT
11.66	EXISTING SPOT ELEVATIONS AT ARROW TIP
	EXISTING CONTOURS
	STORM DRAIN PIPES
	FENCE
	LIMIT OF MARSH VEGETATION
	MEAN LOW WATER
	MEAN HIGH WATER / DNR
	PROJECT AREA
	BULKHEAD
	TYPE 3 RIP RAP
	MARSH VEGETATION
	WOOD DECKING
	FILL
	WATER OAK & SIZE
	LIVE OAK & SIZE
	PINE & SIZE
	PALM & HEIGHT

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3. LOT SURVEY WAS PROVIDED BY JACKSON SURVEYING LLC ON DRAWING NUMBER C1126 02-00-25, DATED FEBRUARY 3, 2025.

4. PROJECT AREA CONSISTS OF PERMANENT STRUCTURES AND TEMPORARY IMPACTS DURING CONSTRUCTION.=

5. PROPOSED MARSHLAND COMPONENT:
   BULKHEAD: 304.5 SF (56.39 CY)
   RIP RAP: 1218 SF (90.22 CY)
   BACKFILL: 0 SF (0 CY)
   TOTAL AREA: 1522.5 SF
   TOTAL VOLUME: 146.61 CY
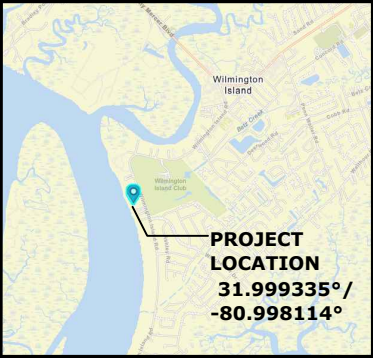   0.48 CUBIC YARDS PER LINEAR FOOT

N

Prepared For:
ROBERT ALI
LOT 53-55 WALTHOUR SUBDIVISION
WILMINGTON ISLAND
5TH G.M.D., CHATHAM COUNTY, GA

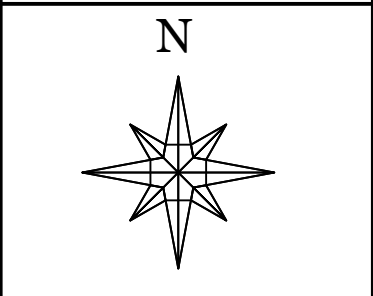**LABARBA ENVIRONMENTAL SERVICES**

MARSHLAND COMPONENT

GRAPHIC SCALE
1 inch = 50 ft.
0   50   100

3

LOTS 51 & 52
NOW OR FORMERLY LANDS OF
S. MARK KAMALESON
(D.B. 264-Z, PG. 393)

4' x 4' CONCRETE
MONUMENT, FOUND

PROJECT
LOCATION
31.999335°/
-80.998114°

LEGEND:
- COMMUNICATIONS PEDESTAL
- GROUND LIGHT
- IRRIGATION CONTROL VALVE
- ELECTRICAL BOX
- GRATE INLET
- 11.6 EXISTING SPOT ELEVATIONS AT DECIMAL POINT
- 11.66 EXISTING SPOT ELEVATIONS AT ARROW TIP
- EXISTING CONTOURS
- STORM DRAIN PIPES
- FENCE
- LIMIT OF MARSH VEGETATION
- MEAN LOW WATER
- MEAN HIGH WATER / DNR
- PROJECT AREA
- BULKHEAD
- TYPE 3 RIP RAP
- MARSH VEGETATION
- WOOD DECKING
- FILL
- WATER OAK & SIZE
- LIVE OAK & SIZE
- PINE & SIZE
- PALM & HEIGHT

CONCRETE
RETENTION WALLS

TERMINUS
UNKNOWN
— KOI
POND

4' CHAIN-LINK FENCE

INV. = 5.68'

6' ALUMINUM
FENCE

LIMIT OF MARSH
VEGETATION

MEAN LOW WATER

WILMINGTON ISLAND ROAD
(60' RIGHT-OF-WAY) (P.B. 7, PG. 60)

STATIONARY DOCK

CONTOUR ELEVATION = 5.41' (NAVD88)
CMPA LINE & GA DNR
JURISDICTIONAL LINE
(SEE NOTE No. 8)

SALT MARSH

EROSIONAL
AREA

OTHER IMPROVEMENTS
NOT LOCATED

CONCRETE WALK

DOCK
HOUSE

EXISTING
DOCK

12" DEADMENT PILINGS
LAID CONSECUTIVELY
(304.7 LF)

TIEBACK RODS 5' OC
(X62)

WILMINGTON RIVER

RAMP

FLOATING
DOCK

25' CMPA BUFFER
(SEE NOTE No. 7)

GRATE INLET
RIM = 11.80'
INV. = 5.80'

3' x 3' CONCRETE
MONUMENT, FOUND

BACKFILL
AREA: 5377.47 SF
VOLUME:1,195 CY

INV. = 5.76'

REBAR, FOUND

LOT 56
NOW OR FORMERLY LANDS OF
MICHELLE SHELLIE C. LEE
(D.B. 575, PG. 279)

WOOD RETENTION WALL

NOTES:
1. MLW AND MARSH VEGETATION WERE
OBSERVED BY DRONE PHOTOGRAMMETRY ON
JANUARY 12, 2025 AT 12:47 P.M. AT A
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(TEC3405 Savannah Sheraton Resort Hotel)

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SURVEYOR.

3. LOT SURVEY WAS PROVIDED BY JACKSON
SURVEYING LLC ON DRAWING NUMBER
C1126 02-00-25, DATED FEBRUARY 3, 2025.

4. PROJECT AREA CONSISTS OF PERMANENT
STRUCTURES AND TEMPORARY IMPACTS
DURING CONSTRUCTION.

5. PROPOSED UPLAND COMPONENT:
NO EXCAVATION REQUIRED. ERODED AREAS
WILL BE BACKFILLED.
BELOW GRADE STRUCTURES:
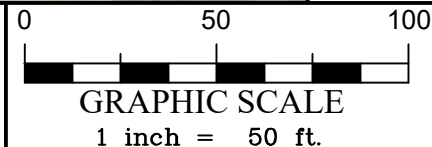VERTICAL PILINGS 12" DIA (X62)
HORIZONTAL PILINGS 12" DIA (305 LF)

N

Prepared For:
ROBERT ALI
LOT 53-55 WALTHOUR SUBDIVISION
WILMINGTON ISLAND
5TH G.M.D., CHATHAM COUNTY, GA

LABARBA ENVIRONMENTAL
SERVICES

UPLAND
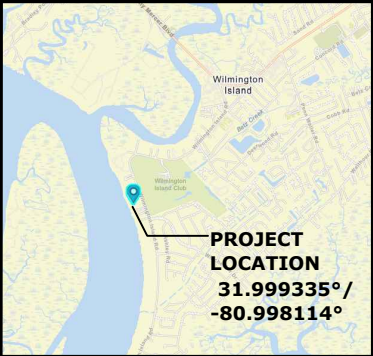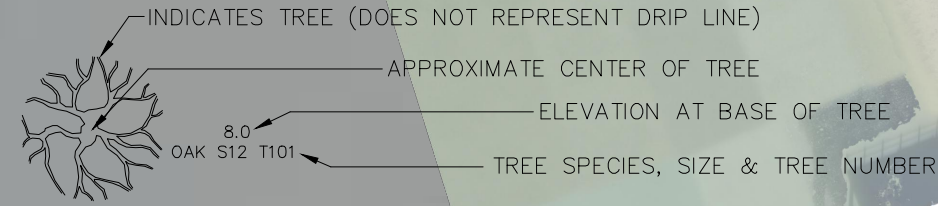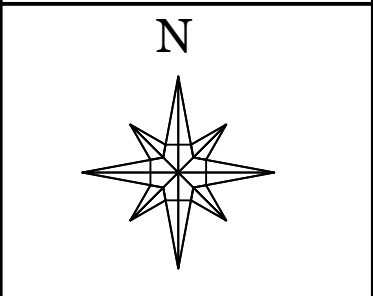COMPONENT

GRAPHIC SCALE
0   50   100
1 inch = 50 ft.

4

PROJECT LOCATION
31.999335°/
-80.998114°

LOTS 51 & 52
NOW OR FORMERLY LANDS OF
S. MARK KAMALESON
(D.B. 264-Z, PG. 393)

4' x 4' CONCRETE MONUMENT, FOUND

571.19'

N 69°00'03" E

4' x 4' CONCRETE MONUMENT, FOUND

CONCRETE RETENTION WALLS

4' CHAIN-LINK FENCE

TERMINUS UNKNOWN

KOI POND

LIMIT OF MARSH VEGETATION

INV. = 5.68'

6' ALUMINUM FENCE

MEAN LOW WATER

S 21°02'56" E

WILMINGTON ISLAND ROAD
(60' RIGHT-OF-WAY) (D.B. 6Z, PG. 691)

STATIONARY DOCK

CONCRETE WALK

CONTOUR ELEVATION = 5.41' (NAVD88)
CMPA LINE & GA DNR
JURISDICTIONAL LINE
(SEE NOTE No. 8)

300.33'

WILMINGTON RIVER
EBB
FLOOD

DOCK HOUSE

EXISTING DOCK

SALT MARSH

OTHER IMPROVEMENTS
NOT LOCATED

RAMP

N 23°29'51" W
300.89'

25' CMPA BUFFER
(SEE NOTE No. 7)

FLOATING DOCK

GRATE INLET
RIM = 11.89'
INV. = 5.86'

3' x 3' CONCRETE MONUMENT, FOUND

6' HDPE

INV. = 5.76'

REBAR, FOUND

S 68°58'25" W

558.34'

LOT 56
NOW OR FORMERLY LANDS OF
MICHELLE SHELLIE C. LEE
(D.B. 575, PG. 279)

WOOD RETENTION WALL

LANDSCAPE PLANTS

QUANTITY	TREE	COMMON NAME
5		WATER OAK
2		LIVE OAK
3		PINE
14		PALM
1		DOGWOOD
1		SWEETBAY MAGNOLIA
3		YOUPON HOLLY
17		BUTTERFLY WEED
11		BLACK EYED SUSAN
22		MUHLE GRASS
15		TICKSEED COREOPSIS
2930 SF		SEASIDE PASPALUM
2391 SF		MULCH

INDICATES TREE (DOES NOT REPRESENT DRIP LINE)
APPROXIMATE CENTER OF TREE
ELEVATION AT BASE OF TREE
8.0
OAK S12 T101
TREE SPECIES, SIZE & TREE NUMBER

LEGEND:

	COMMUNICATIONS PEDESTAL
	GROUND LIGHT
	IRRIGATION CONTROL VALVE
	ELECTRICAL BOX
	GRATE INLET
11.6	EXISTING SPOT ELEVATIONS AT DECIMAL POINT
11.66	EXISTING SPOT ELEVATIONS AT ARROW TIP
	EXISTING CONTOURS
	STORM DRAIN PIPES
	FENCE
	LIMIT OF MARSH VEGETATION
	MEAN LOW WATER
	MEAN HIGH WATER / DNR
	PROJECT AREA
	BULKHEAD
	TYPE 3 RIP RAP
	MARSH VEGETATION
	WOOD DECKING
	FILL
	WATER OAK & SIZE
	LIVE OAK & SIZE
	PINE & SIZE
	PALM & HEIGHT

NOTES:
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4. PROJECT AREA CONSISTS OF PERMANENT STRUCTURES AND TEMPORARY IMPACTS DURING CONSTRUCTION.
5. EXISTING TREES TO REMAIN IN PLACE. IF THEY ARE DAMAGED DUE TO CONSTRUCTION THEY WILL BE REPLACED IN KIND.
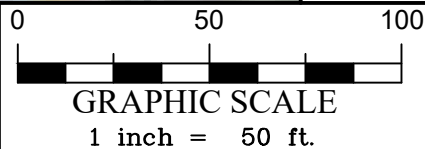
N

This exhibit should be used for permitting purposes only and is not intended to be construction drawings.

Prepared For:
ROBERT ALI
LOT 53-55 WALTHOUR SUBDIVISION
WILMINGTON ISLAND
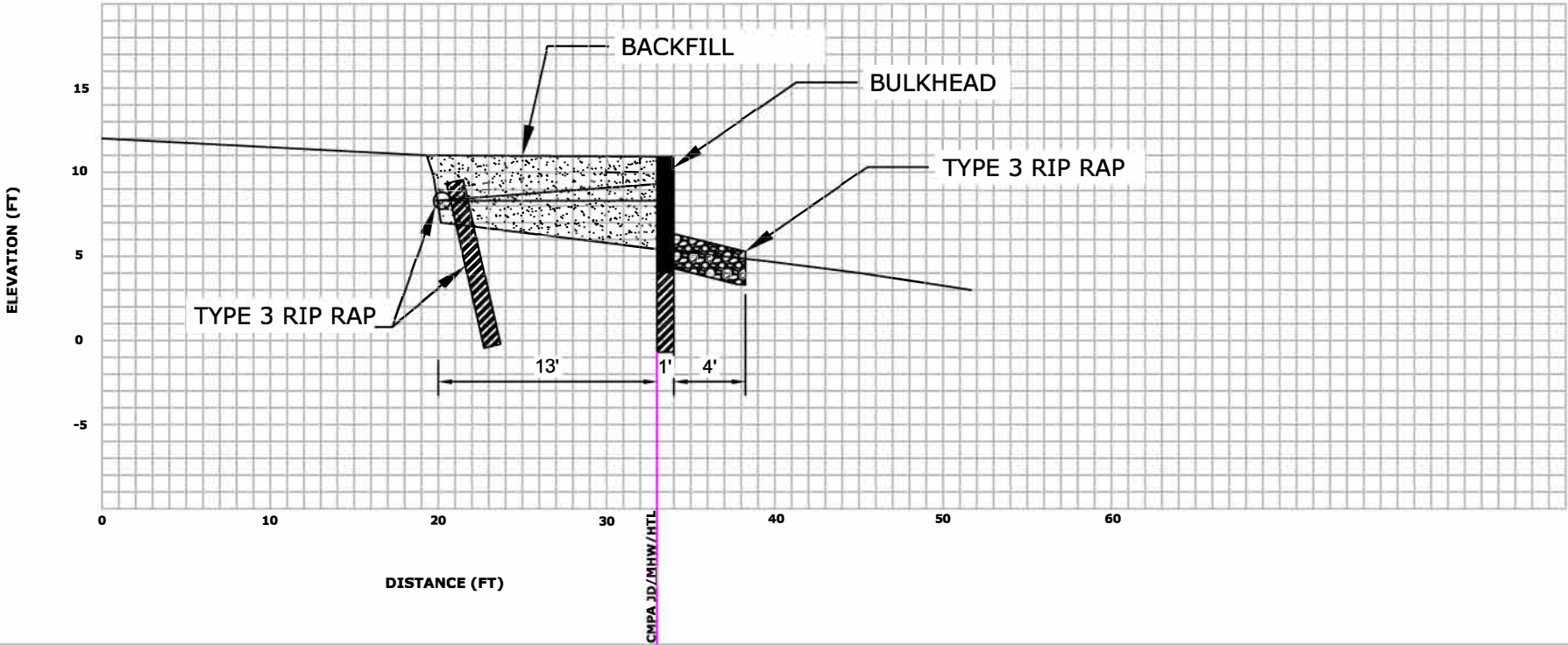5TH G.M.D., CHATHAM COUNTY, GA
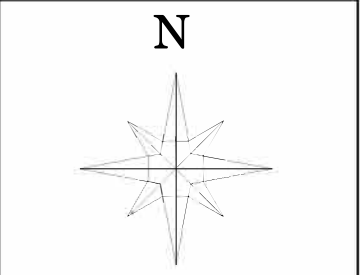
LABARBA ENVIRONMENTAL SERVICES

REVEGETATION PLAN

0   50   100
GRAPHIC SCALE
1 inch = 50 ft.

5

TYPICAL BULKHEAD SECTION

Map callout: PROJECT LOCATION 31.999335°/ -80.998114°

Chart labels:
- BACKFILL
- BULKHEAD
- TYPE 3 RIP RAP
- TYPE 3 RIP RAP
- ELEVATION (FT)
- DISTANCE (FT)
- 13' 1' 4'
- CMPA JD/MHW/MTL

NOTES:

1. TOTAL FILL QUANTITIES:

MARSHLAND COMPONENT
BULKHEAD: 304.5 SF (56.39 CY)
RIP RAP: 1218 SF (90.22 CY)
BACKFILL: 0 SF (0 CY)
TOTAL AREA: 1522.5 SF
TOTAL VOLUME: 146.61 CY
0.48 CUBIC YARDS PER LINEAR FOOT

UPLAND COMPONENT
TIE-BACKS: 367 SF
BACKFILL: 5,377.47 SF (1,195 CY)
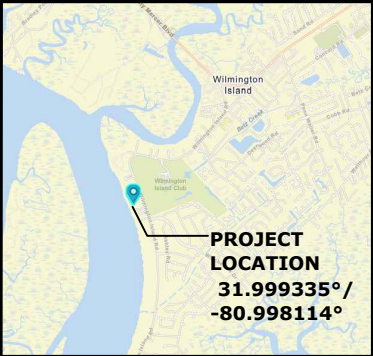TOTAL AREA: 5,377.47 SF
TOTAL VOLUME: 1,195 CY

N

Prepared For:
ROBERT ALI
LOT 53-55 WALTHOUR SUBDIVISION
WILMINGTON ISLAND
5TH G.M.D., CHATHAM COUNTY, GA

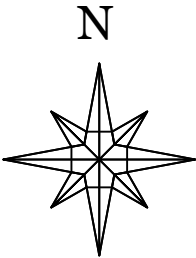LABARBA ENVIRONMENTAL SERVICES

PROFILE

6

FRONT VIEW

3/4" TIE RODS

10"-12" PILINGS, 30' LONG

TYPE 3 GRANITE RIP RAP

3" X 10" SLOPPY V, 20' LONG
OR 20' VINYL SHEETS

SIDE VIEW (NO UPLAND SHOWN)

3/4" TIE RODS EVERY 5'
(1) HIGH AND (1) LOW

HORIZONTAL DEADMEAN PILE

DEADMAN PILES ANGLED
TOWARDS UPLAND

TOP DOWN VIEW

TYPE 3 RIP RAP TOE

2" X 12" TIMBER TOP CAP

SIDE VIEW (UPLAND SHOWN)

TIE RODS AND DEADMEAN
BURIED IN UPLAND

4" X 12" TIMBER WHALERS

PROJECT LOCATION
31.999335°/
-80.998114°

LEGEND:

Symbol	Description
	COMMUNICATIONS PEDESTAL
	GROUND LIGHT
	IRRIGATION CONTROL VALVE
	ELECTRICAL BOX
	GRATE INLET
11.6	EXISTING SPOT ELEVATIONS AT DECIMAL POINT
11.66	EXISTING SPOT ELEVATIONS AT ARROW TIP
	EXISTING CONTOURS
	STORM DRAIN PIPES
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N

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ROBERT ALI
LOT 53-55 WALTHOUR SUBDIVISION
WILMINGTON ISLAND
5TH G.M.D., CHATHAM COUNTY, GA

LABARBA ENVIRONMENTAL SERVICES

TYPICAL BULKHEAD

7