

Appendix 1A: Project Survey, prepared by AKM Surveying, dated July 14, 2023

MAP TO SHOW BANK STABILIZATION SKETCH OF
LOTS 572 & 573, CUMBERLAND HARBOUR, PHASE FOUR, SECTION "A",

CITY OF ST. MARYS, 29th G.M.D., CAMDEN COUNTY, GEORGIA

(ACCORDING TO DEED RECORDED IN DEED BOOK 2159, PAGE 800 AND AS SHOWN ON
 PLAT RECORDED IN PLAT BOOK 2019, PAGE 107, PUBLIC RECORDS OF SAID COUNTY)

FOR: WILLIAM K. YOUNG & KATHRYN L. YOUNG

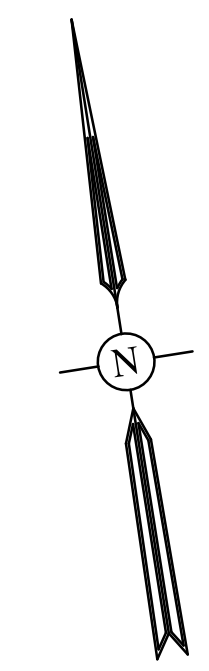
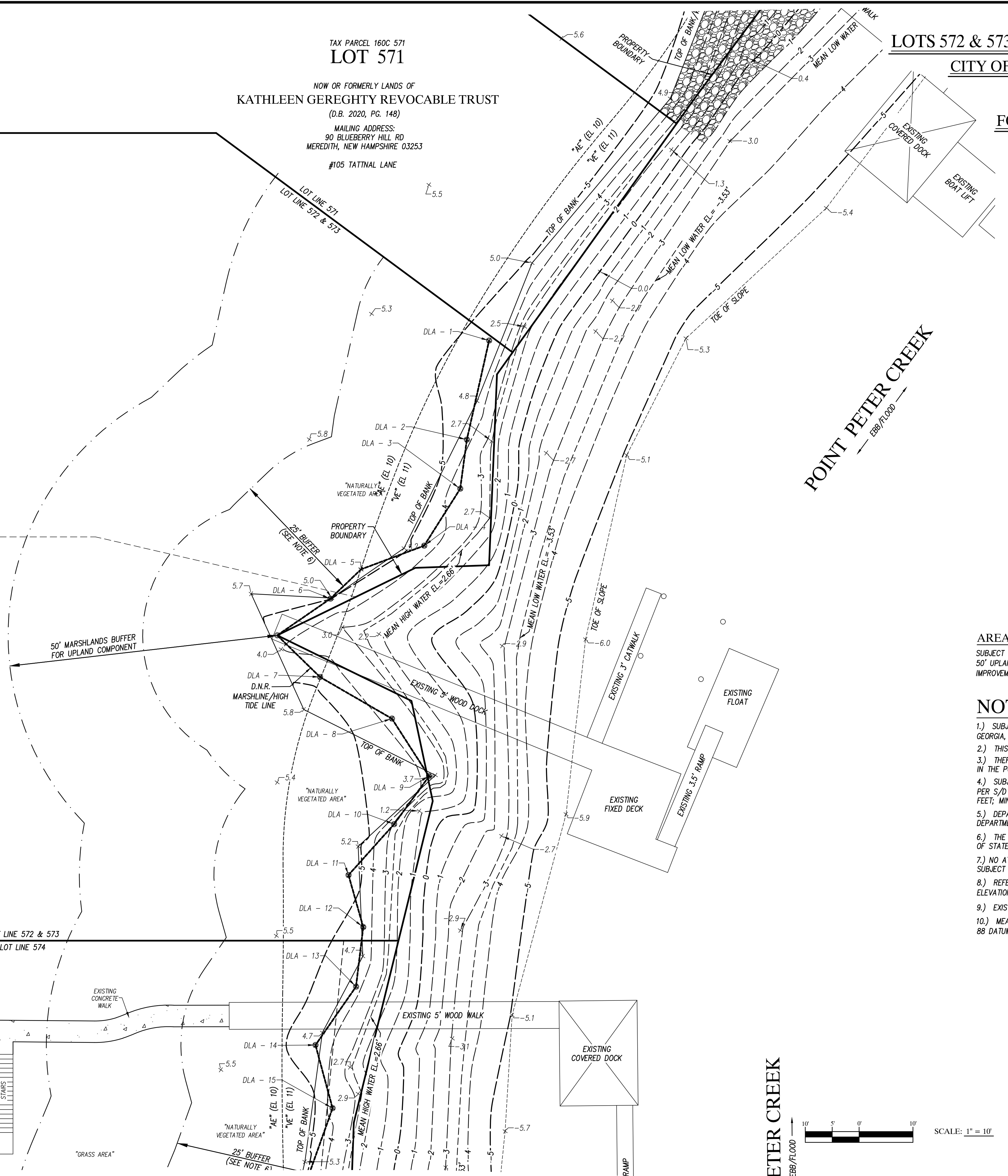
TAX PARCEL 160C 571
LOT 571
 NOW OR FORMERLY LANDS OF
KATHLEEN GERECHTY REVOCABLE TRUST
 (D.B. 2020, PG. 148)
 MAILING ADDRESS:
 90 BLUEBERRY HILL RD
 MEREDITH, NEW HAMPSHIRE 03253
 #105 TATTNAL LANE

LOT 572
 (P.B. 2019, PG. 107)

LOT 573
 (P.B. 2019, PG. 107)

TAX PARCEL 160C 572
 NOW OR FORMERLY LANDS OF
**WILLIAM K. YOUNG &
 KATHRYN L. YOUNG**
 (D.B. 2159, PG. 800)
 MAILING ADDRESS:
 7827 COUNTY HIGHWAY 67
 HANCOCK, NY 13783
 #107 TATTNAL LANE

TAX PARCEL 160C 574
LOT 574
 NOW OR FORMERLY LANDS OF
**MARK & JANE
 BUTTERWORTH
 REVOCABLE TRUST**
 (D.B. 2000, PG. 459)
 MAILING ADDRESS:
 111 TATTNAL LANE
 ST. MARYS, GEORGIA 31558
 #111 TATTNAL LANE



POINT PETER CREEK
 EBB/FLOOD

AREA TABLE:

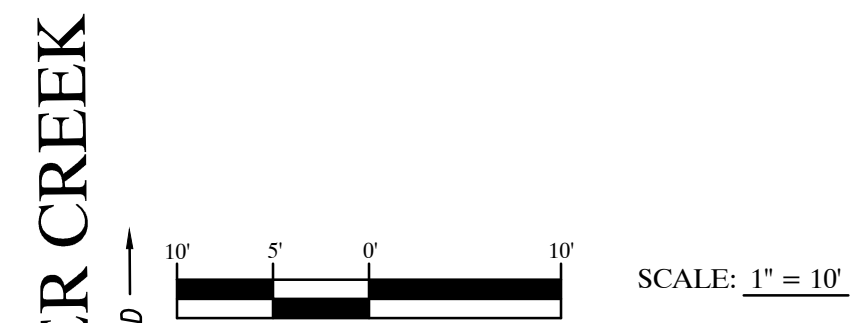
SUBJECT PROPERTY= ±31,407 Sq. Ft.
 50' UPLAND BUFFER AREA= ±7,792 Sq. Ft.
 IMPROVEMENT WITHIN BUFFER= ±10 Sq. Ft. TOTAL (WOOD WALK)

NOTES:

- 1.) SUBJECT PROPERTY IS FOUND TO BE IN FLOOD ZONES "AE" (EL. 10) & "VE" (EL. 11) AS PER F.I.R. MAP FOR CAMDEN COUNTY, GEORGIA, DATED: DECEMBER 21, 2017, MAP No. 13039C0485G, COMMUNITY No. 130027, PANEL No. 0485, SUFFIX "G".
- 2.) THIS SITE PLAN WAS PERFORMED WITHOUT THE BENEFIT OF A FORMAL TITLE REVIEW.
- 3.) THERE MAY EXIST ADDITIONAL RESTRICTIONS LYING OVER THE SUBJECT PROPERTY NOT SHOWN HEREON THAT MAY BE RECORDED IN THE PUBLIC RECORDS OF SAID COUNTY.
- 4.) SUBJECT PROPERTY IS CURRENTLY ZONED: PD (SINGLE FAMILY RESIDENTIAL USAGE). BUILDING SETBACKS ARE AS FOLLOWS: (AS PER S/D PLAT) MINIMUM FRONT YARD SETBACK: 20 FEET; MINIMUM SIDE YARD SETBACK FOR LOTS LESS THAN 80 FEET IN WIDTH: 10 FEET; MINIMUM REAR YARD SETBACK: 20 FEET
- 5.) DEPARTMENT OF NATURAL RESOURCES MARSH JURISDICTIONAL LINE WAS FLAGGED ON APRIL 27, 2022 BY TERRACON ENVIRONMENTAL DEPARTMENT REPRESENTATIVE AND VISUAL RE-VERIFIED BY D.N.R. REPRESENTATIVE ON NOVEMBER 20, 2022.
- 6.) THE GEORGIA EROSION & SEDIMENTATION ACT OF 1975, AS AMENDED (O.C.G.A. 12-7-1-et seq.) PROVIDES FOR THE PROTECTION OF STATE WATERS BY EXPLICITLY PROHIBITING LAND DISTURBING ACTIVITIES WITHIN 25 FEET FROM SPECIFIED STATE WATERS.
- 7.) NO ATTEMPT HAS BEEN MADE TO DETERMINE ANY WETLAND AREAS OR ENVIRONMENTAL ISSUES, IF ANY, WHICH MAY AFFECT THE SUBJECT PROPERTY.
- 8.) REFERENCE BENCHMARK: FOUND 60d NAIL IN SOUTHERLY SIDE OF 24" OAK LOCATED ON CUL-DE-SAC OF TATTNAL LANE, ELEVATION= 9.36' (N.A.V.D. 88).
- 9.) EXISTING ELEVATIONS SHOWN THUS: x7.1 AND ARE BASED ON N.A.V.D. 88 DATUM.
- 10.) MEAN HIGH WATER AND MEAN LOW WATER ELEVATIONS WERE PROVIDED BY U.S.A.C.O.E. REPRESENTATIVE AND ARE BASED ON N.A.V.D. 88 DATUM WITH A VERTICAL UNCERTAINTY OF ±0.311'. TIDAL INFORMATION IS BASED ON DOWNTOWN ST. MARYS TIDAL GAUGE.

APPROVED BY:

 BY: *J.S. Foster* DATE: 07/14/2023
 JEFFREY S. FOSTER
 GA. REGISTERED SURVEYOR No. 3143



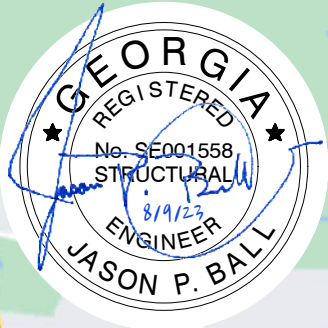
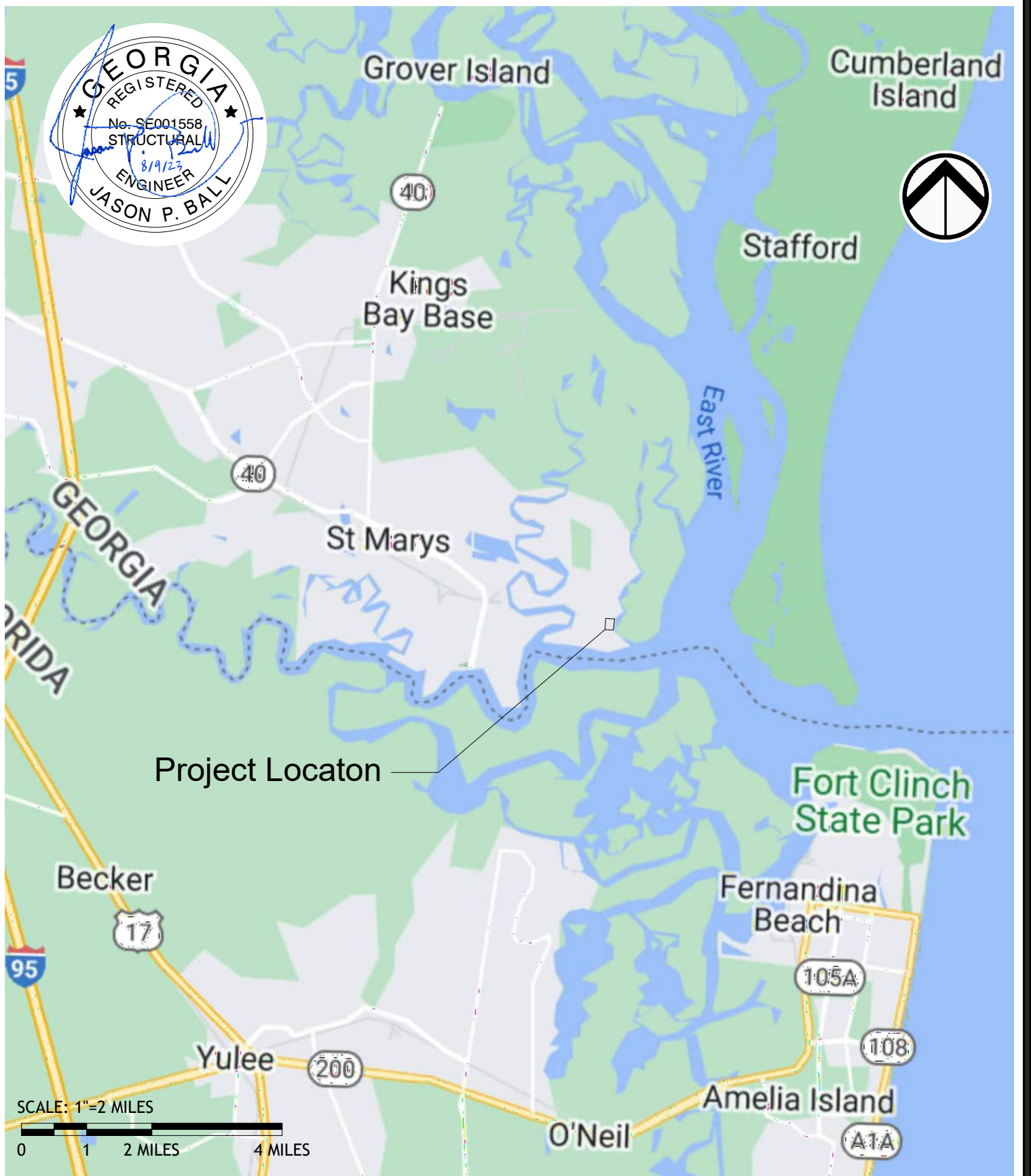
FIELD BOOK 58, PAGE 49-51, 55-56
 SKETCH DATE: 06-26-2023
 DWN. BY: M.C.
 CKD. BY: J.S.F.

P.O. BOX 5730
 ST. MARYS, GEORGIA 31558
 (912) 729-1507 PHONE
 (912) 729-1509 FAX
 GEORGIA LICENSED
 SURVEY FIRM No. 1067
 DWG. No. T-2-1172-08-20

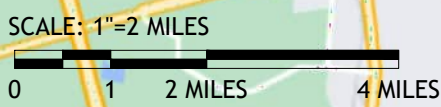
PREPARED BY:

A K M
 SURVEYING, INC.
 SURVEYORS & LAND PLANNERS

Appendix 1B: Project Plans, prepared by Ball Maritime Group, dated August 9, 2023



Project Locaton



VICINITY MAP **CUMBERLAND HARBOUR TATNAL LANE BULKHEAD**
PROPOSED ACTIVITY: BULKHEAD **ST. MARYS, GA**

Applicant: WILLIAM & KATHRYN YOUNG
 Date: 8/9/2023
 County: CAMDEN
 JOB#: 21-1048 DATUM: NAVD88
 SCALE: 1" = 2 MILES SHEET: 1 of 7



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SCALE: 1"=3/4 Mile (IN MILES)
0 3/8 3/4 1.5 MILES

LOCATION MAP

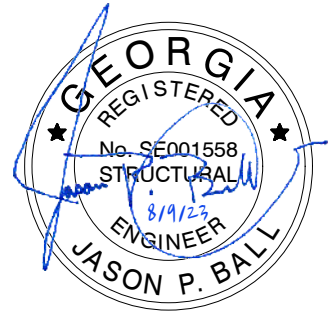
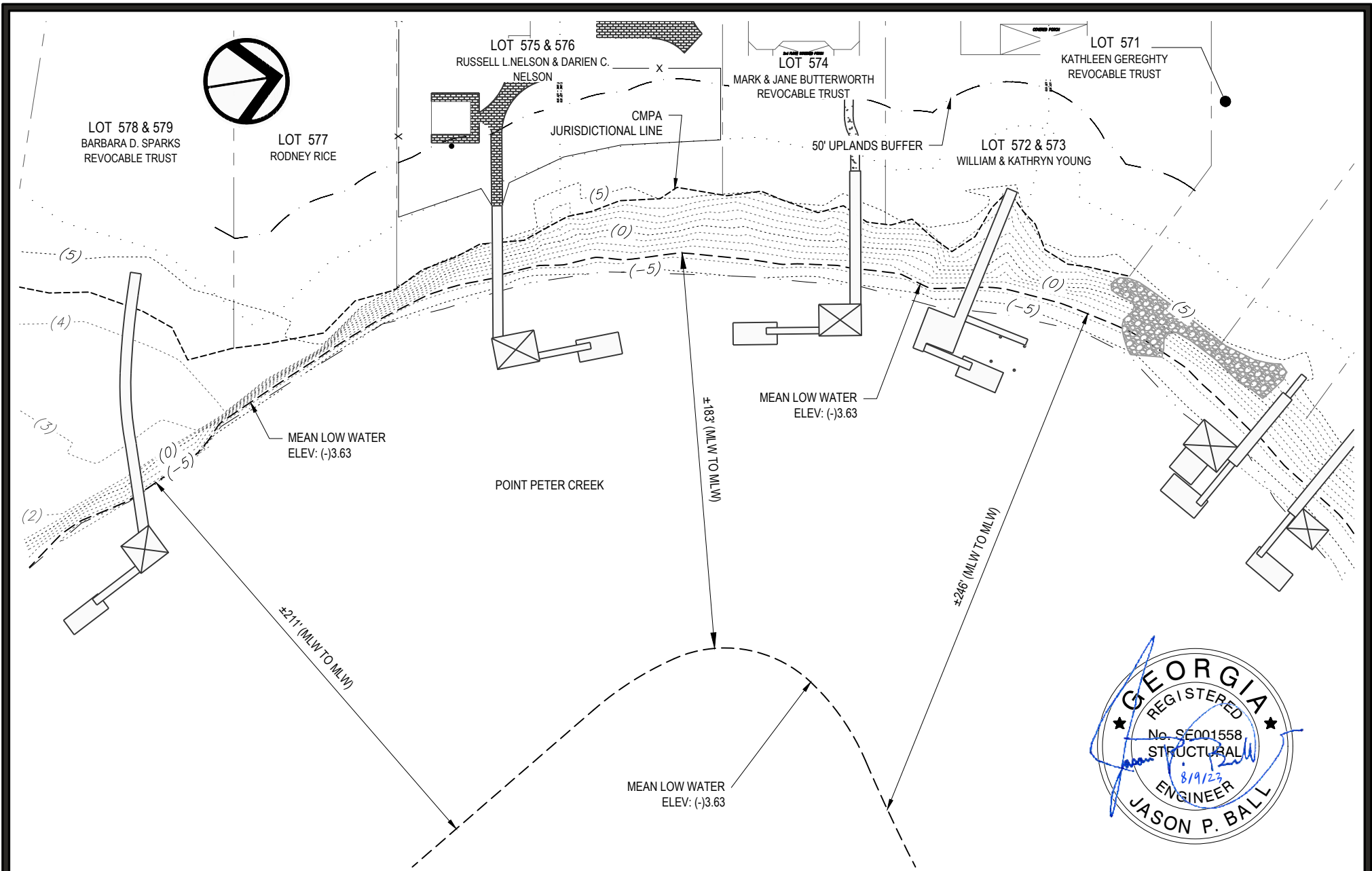
**CUMBERLAND HARBOUR TATNAL
LANE BULKHEAD
ST. MARYS, GA**

PROPOSED ACTIVITY: BULKHEAD
Applicant: WILLIAM & KATHRYN YOUNG

Date: 8/9/2023
County: CAMDEN
JOB#: 21-1048 DATUM: NAVD88
SCALE: 1" = 3/4 MILE SHEET: 2 of 7



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EXISTING CONDITIONS

PROPOSED ACTIVITY: BULKHEAD

Applicant: WILLIAM & KATHRYN YOUNG

Date: 8/9/2023

County: CAMDEN

JOB#: 21-1048

DATUM: NAVD88

SCALE: 1" = 60'

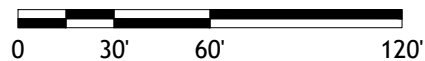
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**CUMBERLAND HARBOUR
TATNAL LANE BULKHEAD**

ST. MARYS, GA

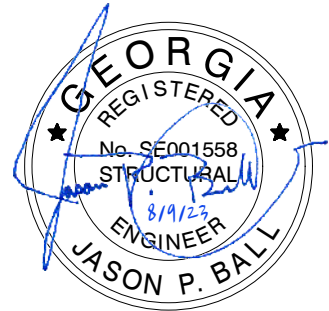
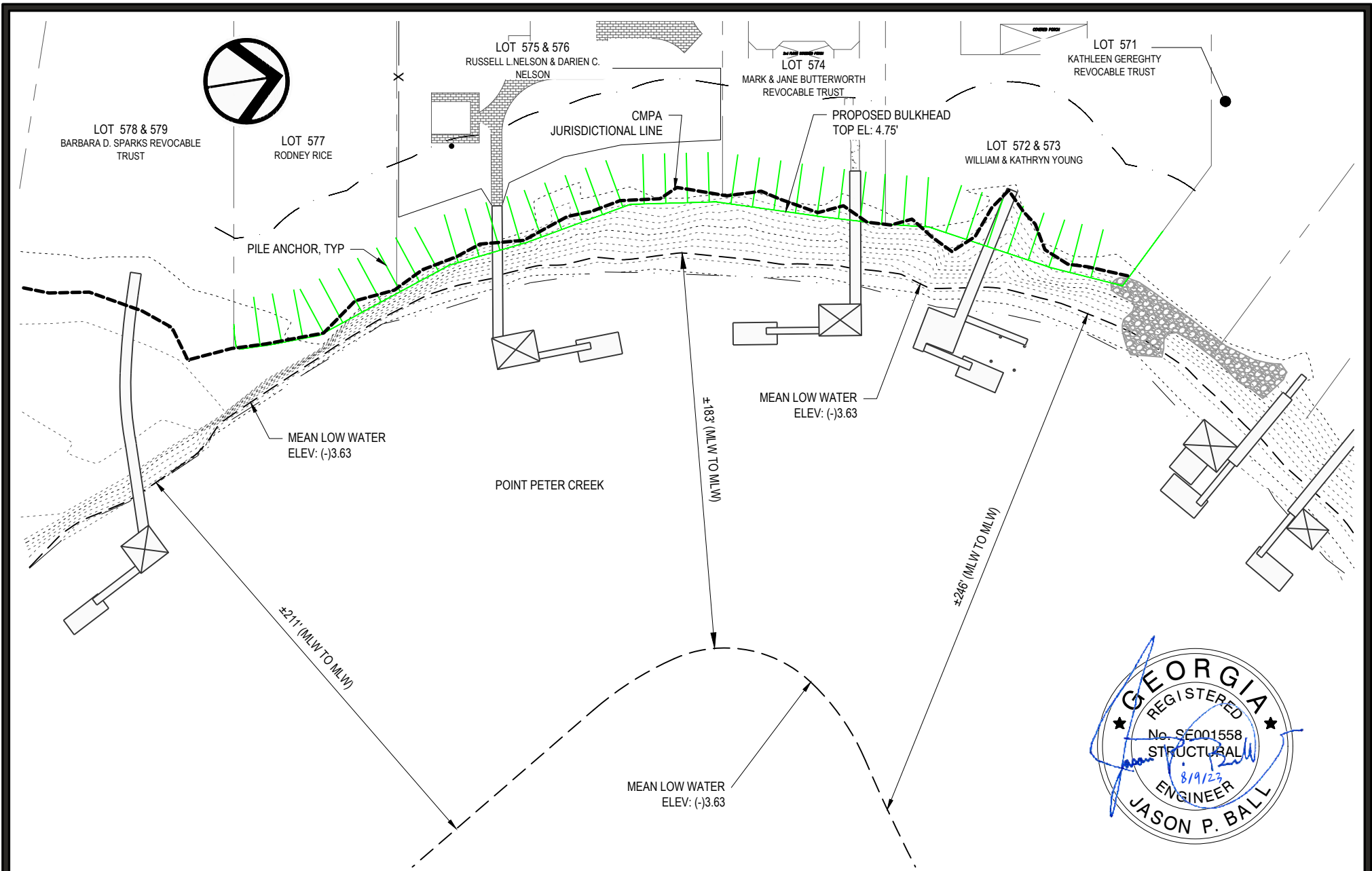
GENERAL NOTES:

SCALE: 1"=60' (IN FEET)



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PROPOSED IMPROVEMENTS

**CUMBERLAND HARBOUR
TATNAL LANE BULKHEAD**
ST. MARYS, GA

PROPOSED ACTIVITY: BULKHEAD

Applicant: WILLIAM & KATHRYN YOUNG

Date: 8/9/2023

County: CAMDEN

JOB#: 21-1048

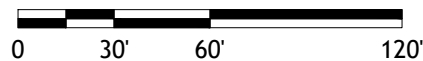
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SCALE: 1" = 60'

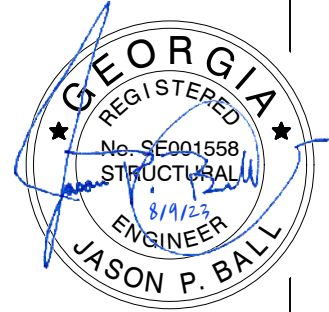
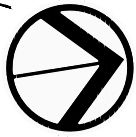
SHEET: 4 of 7

GENERAL NOTES:

SCALE: 1"=60' (IN FEET)



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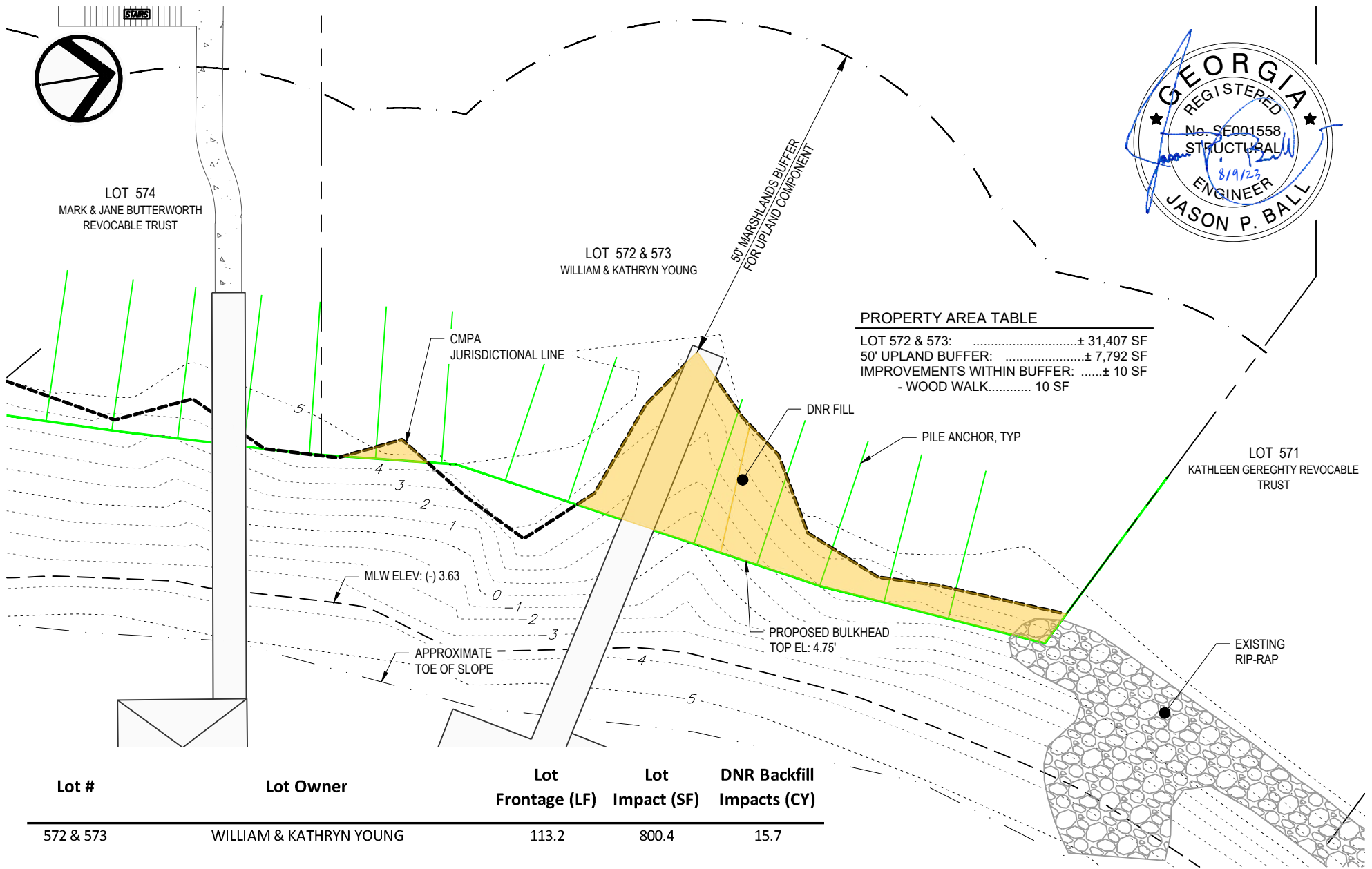
LOT 574
MARK & JANE BUTTERWORTH
REVOCABLE TRUST

LOT 572 & 573
WILLIAM & KATHRYN YOUNG

LOT 571
KATHLEEN GEREGHTY REVOCABLE
TRUST

PROPERTY AREA TABLE

LOT 572 & 573:	± 31,407 SF
50' UPLAND BUFFER:	± 7,792 SF
IMPROVEMENTS WITHIN BUFFER:	± 10 SF
- WOOD WALK:	10 SF



Lot #	Lot Owner	Lot Frontage (LF)	Lot Impact (SF)	DNR Backfill Impacts (CY)
572 & 573	WILLIAM & KATHRYN YOUNG	113.2	800.4	15.7

PROPOSED BULKHEAD LOT 572 & 573 CUMBERLAND HARBOUR
TATNAL LANE BULKHEAD
ST. MARYS, GA

PROPOSED ACTIVITY: BULKHEAD

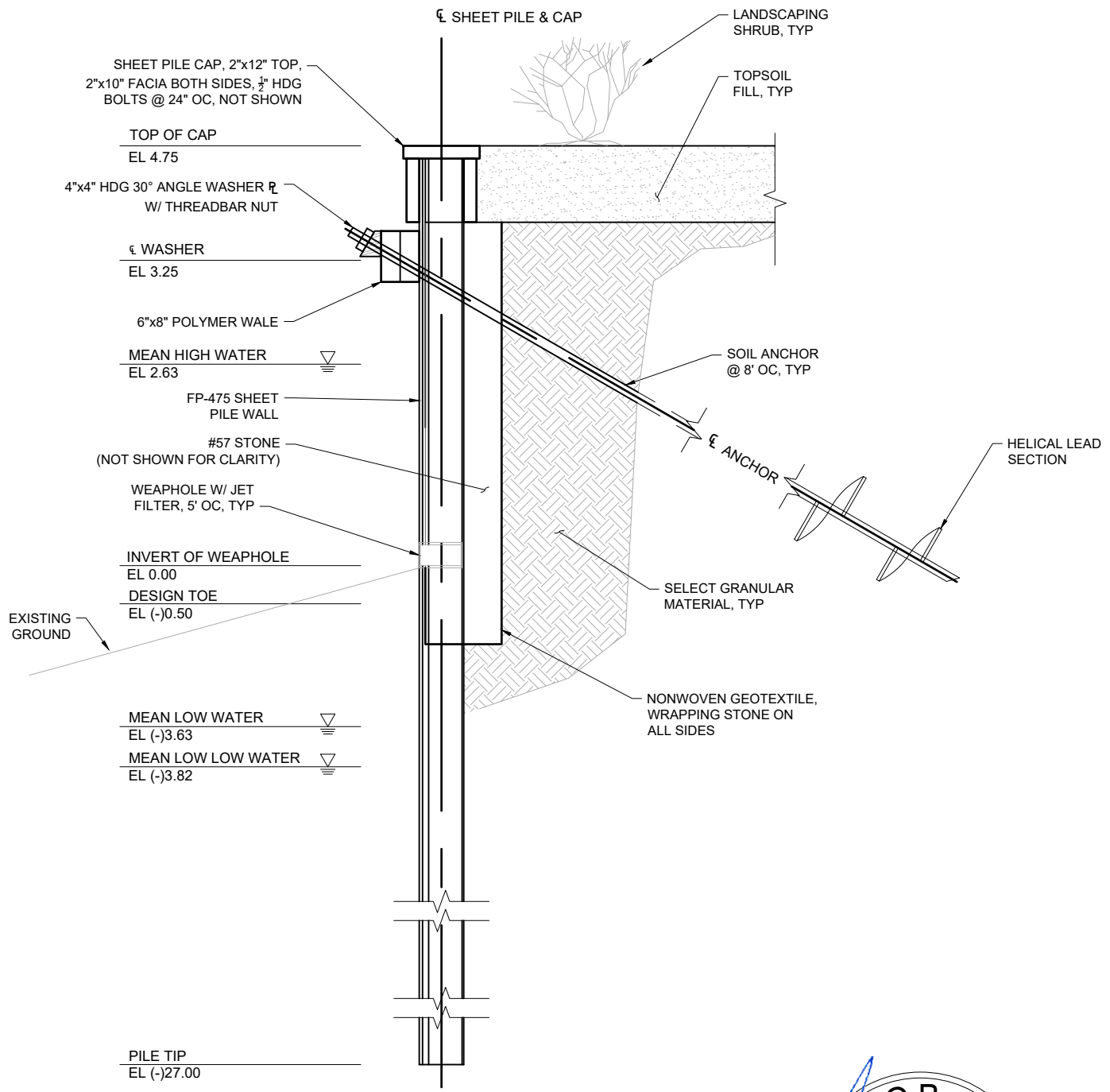
Applicant: WILLIAM & KATHRYN YOUNG
Date: 8/9/2023
County: CAMDEN
JOB#: 21-1048
SCALE: 1" = 20'

DATUM: NAVD88
SHEET: 5 of 7

GENERAL NOTES:

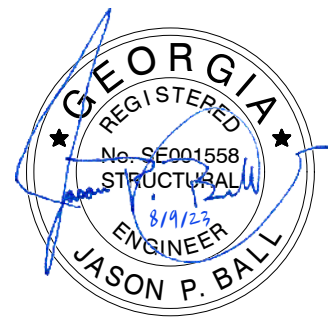
SCALE: 1"=20' (IN FEET)

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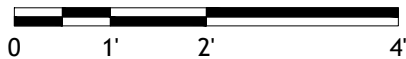


SHEET PILE WALL SECTION

SCALE: 3/8" = 1'-0"



SCALE: 1/2" = 1'-0" (IN FEET)



BULKHEAD SECTION

**CUMBERLAND HARBOUR
TATNAL LANE BULKHEAD
ST. MARYS, GA**

PROPOSED ACTIVITY: BULKHEAD

Applicant: WILLIAM & KATHRYN YOUNG

Date: 8/9/2023

County: CAMDEN

JOB#: 21-1048

DATUM: NAVD88

SCALE: 1/2" = 1'-0"

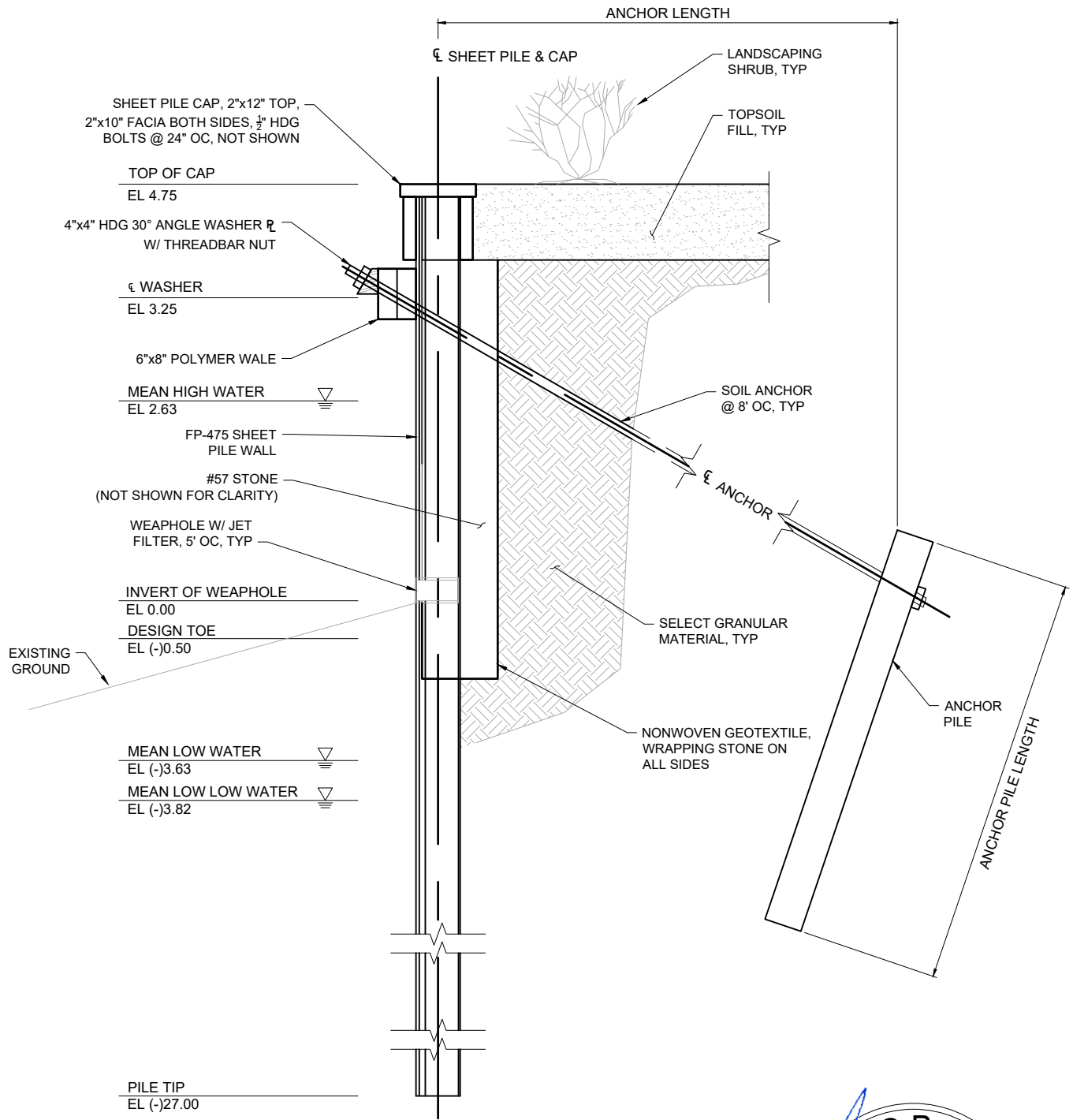
SHEET: 6 of 7



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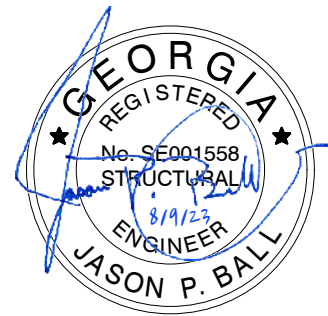
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SHEET PILE WALL SECTION

SCALE: 3/8" = 1'-0"



SCALE: 1/2" = 1'-0" (IN FEET)



ALTERNATE BULKHEAD SECTION

**CUMBERLAND HARBOUR
TATNAL LANE BULKHEAD
ST. MARYS, GA**

PROPOSED ACTIVITY: BULKHEAD

Applicant: WILLIAM & KATHRYN YOUNG

Date: 8/9/2023

County: CAMDEN

JOB#: 21-1048

DATUM: NAVD88

SCALE: 1/2" = 1'-0"

SHEET: 7 of 7



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Appendix 2A: Project Survey, prepared by AKM Surveying, dated July 14, 2023

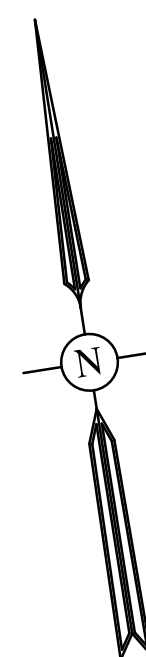
MAP TO SHOW BANK STABILIZATION SKETCH OF

LOT 574, CUMBERLAND HARBOUR, PHASE FOUR, SECTION "A",

CITY OF ST. MARYS, 29th G.M.D., CAMDEN COUNTY, GEORGIA

(ACCORDING TO DEED RECORDED IN DEED BOOK 2000, PAGE 459 AND AS SHOWN ON PLAT RECORDED IN PLAT DRAWER 17, MAP 55-58, PUBLIC RECORDS OF SAID COUNTY)

FOR: MARK & JANE BUTTERWORTH REVOCABLE TRUST



TATTNAL LANE
(40' RIGHT-OF-WAY ~ PAVED)

AREA TABLE:

SUBJECT PROPERTY= ±14,997 Sq. Ft.
50' UPLAND BUFFER AREA= ±3,930 Sq. Ft.
IMPROVEMENTS WITHIN BUFFER= ±236 Sq. Ft. TOTAL
(WOOD WALK= 99 Sq. Ft., CONC. WALK= 137 Sq. Ft.)

(P.D. 2019, PG. 107)
TAX PARCEL 160C 572
NOW OR FORMERLY LANDS OF
**WILLIAM K. YOUNG &
KATHRYN L. YOUNG**
(D.B. 2159, PG. 800)
MAILING ADDRESS:
7827 COUNTY HIGHWAY 67
HANCOCK, NY 13783
#107 TATTNAL LANE

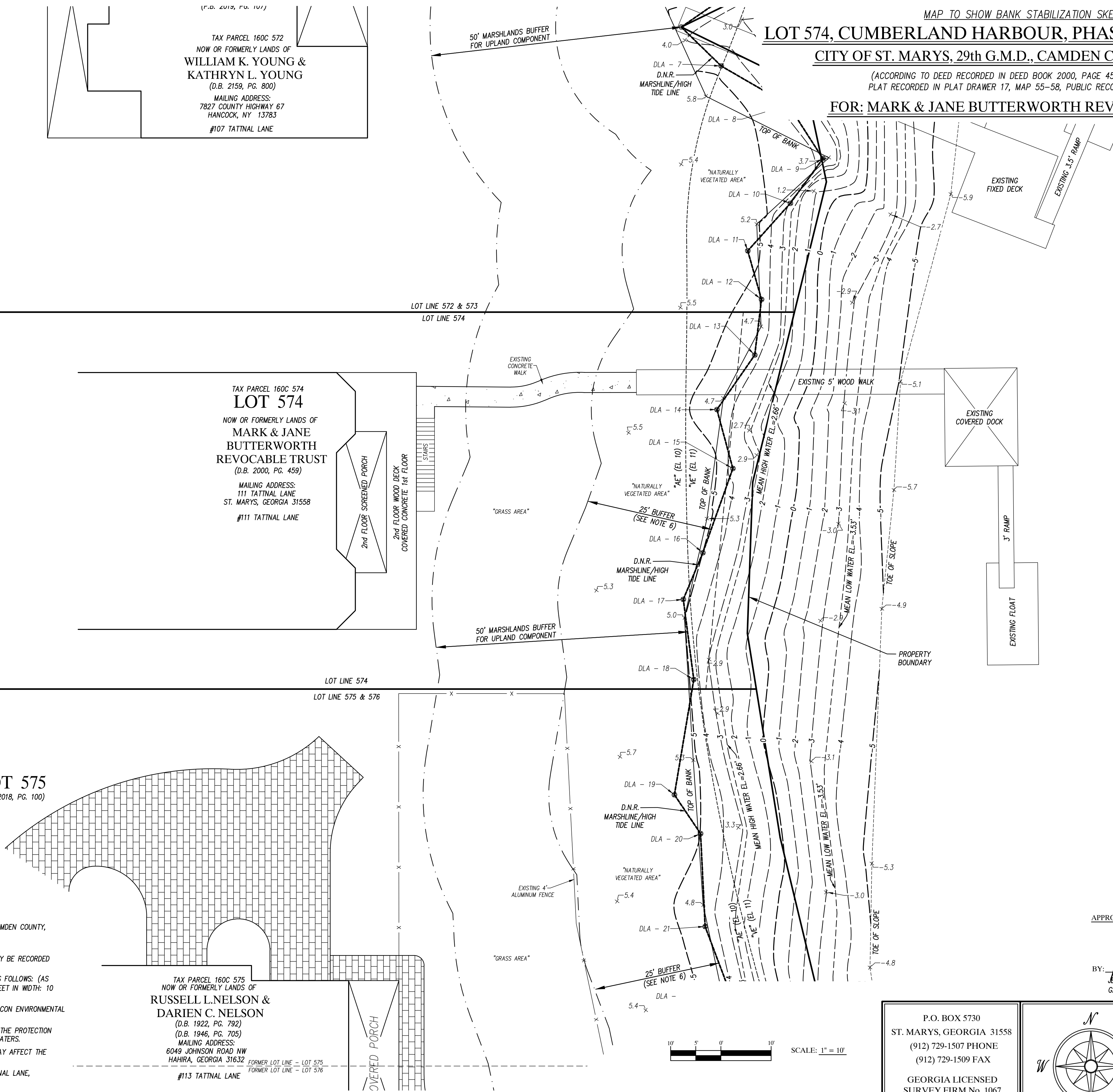
TAX PARCEL 160C 574
LOT 574
NOW OR FORMERLY LANDS OF
**MARK & JANE
BUTTERWORTH
REVOCABLE TRUST**
(D.B. 2000, PG. 459)
MAILING ADDRESS:
111 TATTNAL LANE
ST. MARYS, GEORGIA 31558
#111 TATTNAL LANE

LOT 575
(P.B. 2018, PG. 100)

TAX PARCEL 160C 575
NOW OR FORMERLY LANDS OF
**RUSSELL L. NELSON &
DARIEN C. NELSON**
(D.B. 1922, PG. 792)
(D.B. 1946, PG. 705)
MAILING ADDRESS:
6049 JOHNSON ROAD NW
HAHIRA, GEORGIA 31632
#113 TATTNAL LANE

NOTES:

- 1.) SUBJECT PROPERTY IS FOUND TO BE IN FLOOD ZONES "AE" (EL. 10) & "VE" (EL. 11) AS PER F.I.R. MAP FOR CAMDEN COUNTY, GEORGIA, DATED: DECEMBER 21, 2017, MAP No. 13039C0485G, COMMUNITY No. 130027, PANEL No. 0485, SUFFIX "G".
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- 5.) DEPARTMENT OF NATURAL RESOURCES MARSH JURISDICTIONAL LINE WAS FLAGGED ON APRIL 27, 2022 BY TERRACON ENVIRONMENTAL DEPARTMENT REPRESENTATIVE AND VISUAL RE-VERIFIED BY D.N.R. REPRESENTATIVE ON NOVEMBER 20, 2022.
- 6.) THE GEORGIA EROSION & SEDIMENTATION ACT OF 1975, AS AMENDED (O.C.G.A. 12-7-1-et seq.) PROVIDES FOR THE PROTECTION OF STATE WATERS BY EXPLICITLY PROHIBITING LAND DISTURBING ACTIVITIES WITHIN 25 FEET FROM SPECIFIED STATE WATERS.
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- 10.) MEAN HIGH WATER AND MEAN LOW WATER ELEVATIONS WERE PROVIDED BY U.S.A.C.O.E. REPRESENTATIVE AND ARE BASED ON N.A.V.D. 88 DATUM WITH A VERTICAL UNCERTAINTY OF ±0.31". TIDAL INFORMATION IS BASED ON DOWNTOWN ST. MARYS TIDAL GAUGE.



POINT PETER CREEK
← EBB/FLOOD →

APPROVED BY:

BY: DATE: 07/14/2023

JEFFREY S. FOSTER
GA. REGISTERED SURVEYOR No. 3143

PREPARED BY:

A K M
SURVEYING, INC.
SURVEYORS & LAND PLANNERS

P.O. BOX 5730
ST. MARYS, GEORGIA 31558
(912) 729-1507 PHONE
(912) 729-1509 FAX

GEORGIA LICENSED
SURVEY FIRM No. 1067

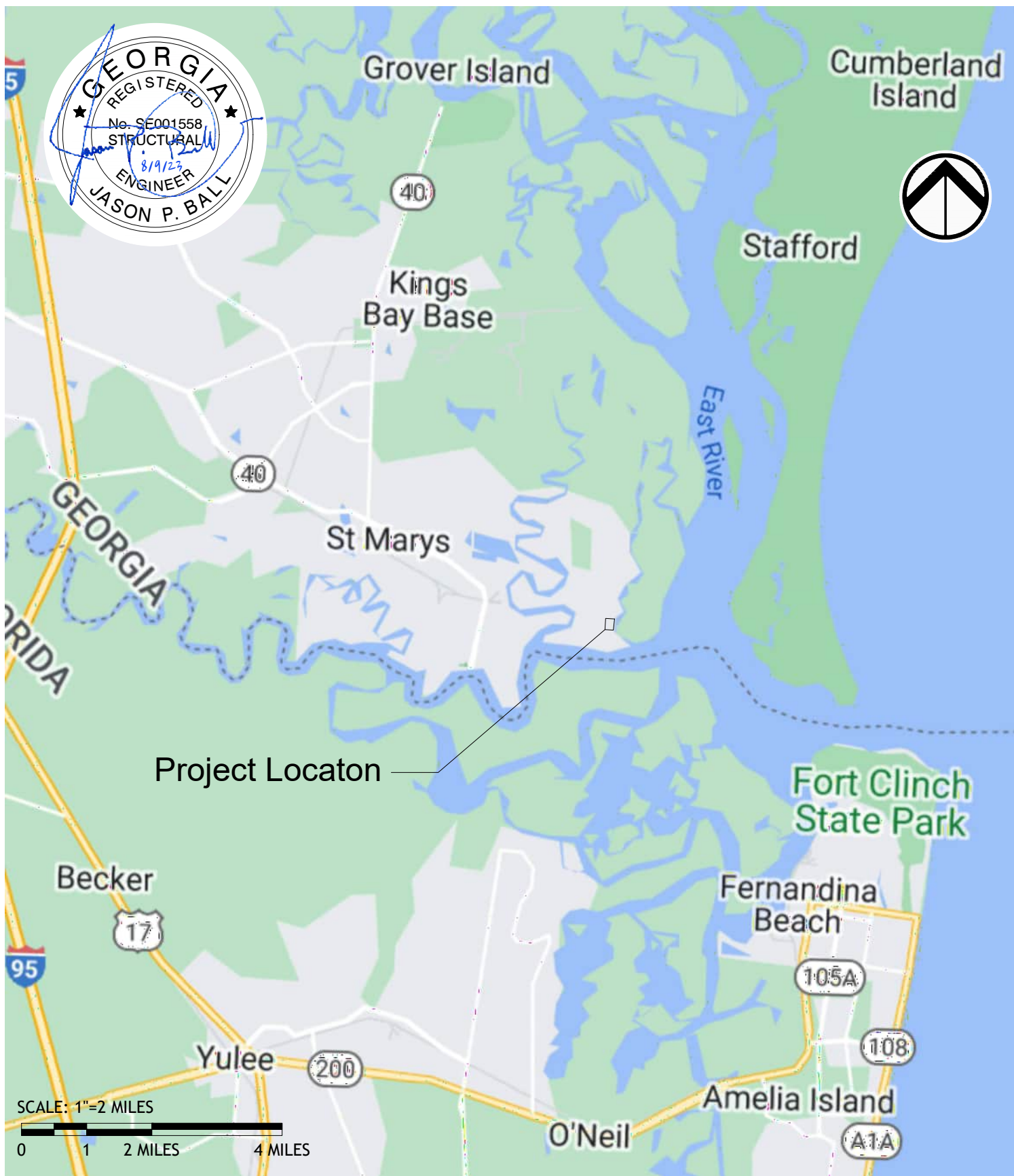
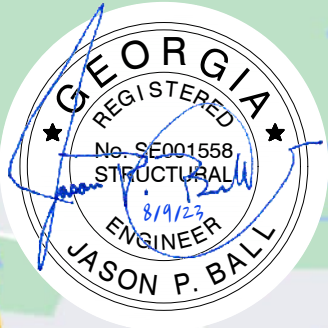
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SCALE: 1" = 10'

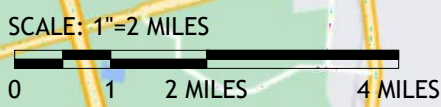
FIELD BOOK 58, PAGE 49-51, 55-56
SKETCH DATE: 06-26-2023

DWN. BY: M.C.
CKD. BY: J.S.F.

Appendix 2B: Project Plans, prepared by Ball Maritime Group, dated August 9, 2023



Project Locaton



VICINITY MAP **CUMBERLAND HARBOUR TATNAL LANE BULKHEAD**
PROPOSED ACTIVITY: BULKHEAD **ST. MARYS, GA**

Applicant: **MARK & JANE BUTTERWORTH TRUST**
 Date: **8/9/2023**
 County: **CAMDEN**
 JOB#: **21-1048** DATUM: **NAVD88**
 SCALE: **1" = 2 MILES** SHEET: **1 of 7**



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Project Boundry

GEORGIA
FLORIDA

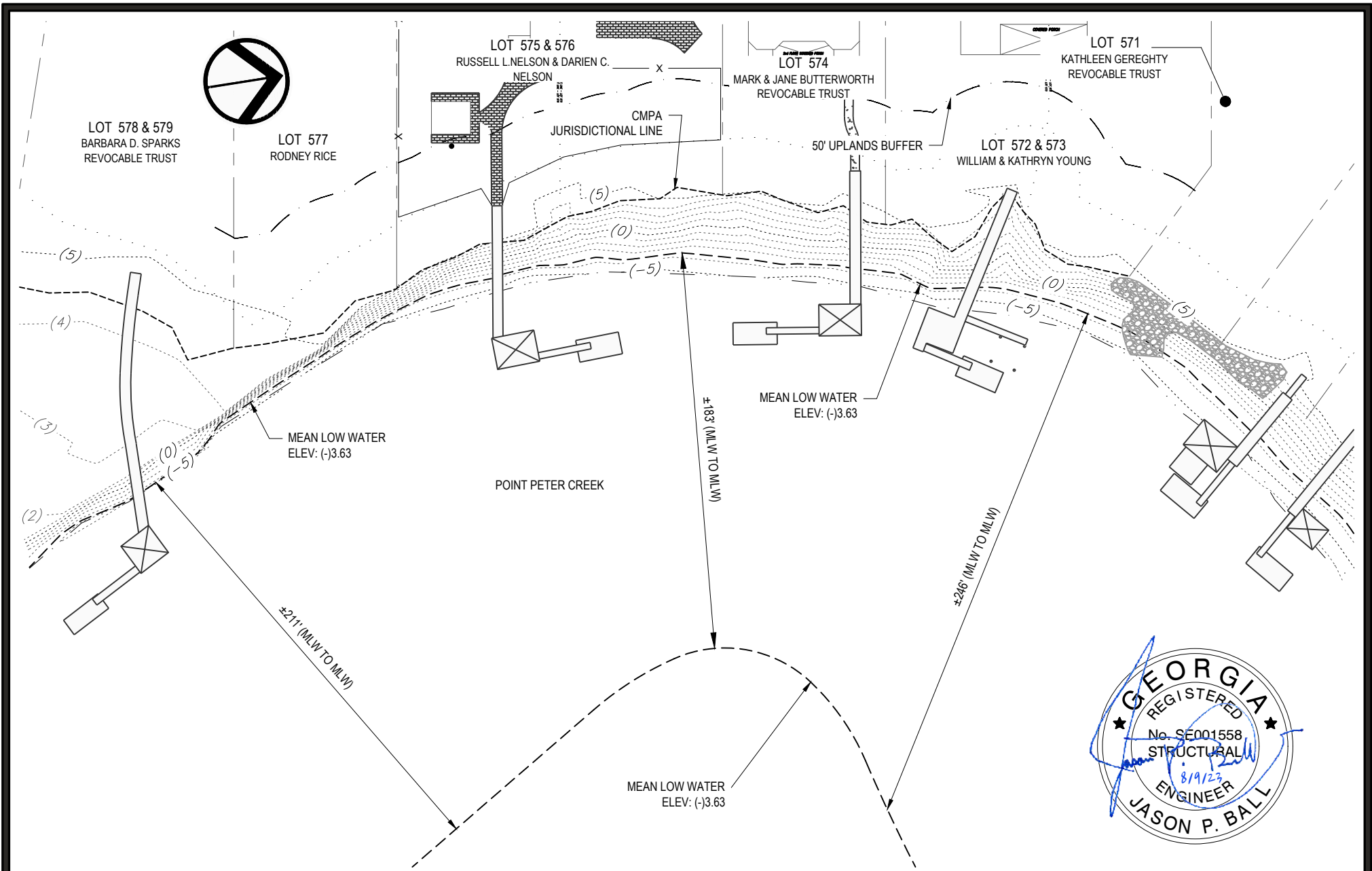
SCALE: 1"=3/4 Mile (IN MILES)
0 3/8 3/4 1.5 MILES

LOCATION MAP **CUMBERLAND HARBOUR TATNAL LANE BULKHEAD**
PROPOSED ACTIVITY: BULKHEAD **ST. MARYS, GA**

Applicant: MARK & JANE BUTTERWORTH TRUST
 Date: 8/9/2023
 County: CAMDEN
 JOB#: 21-1048 DATUM: NAVD88
 SCALE: 1" = 3/4 MILE SHEET: 2 of 7



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EXISTING CONDITIONS

PROPOSED ACTIVITY: BULKHEAD

Applicant: MARK & JANE BUTTERWORTH TRUST

Date: 8/9/2023

County: CAMDEN

JOB#: 21-1048

DATUM: NAVD88

SCALE: 1" = 60'

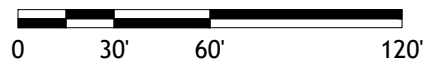
SHEET: 3 of 7

**CUMBERLAND HARBOUR
TATNAL LANE BULKHEAD**

ST. MARYS, GA

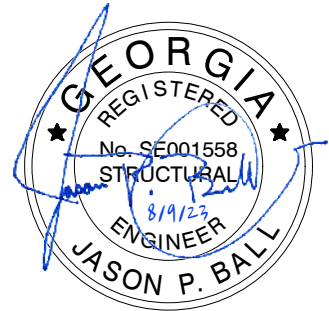
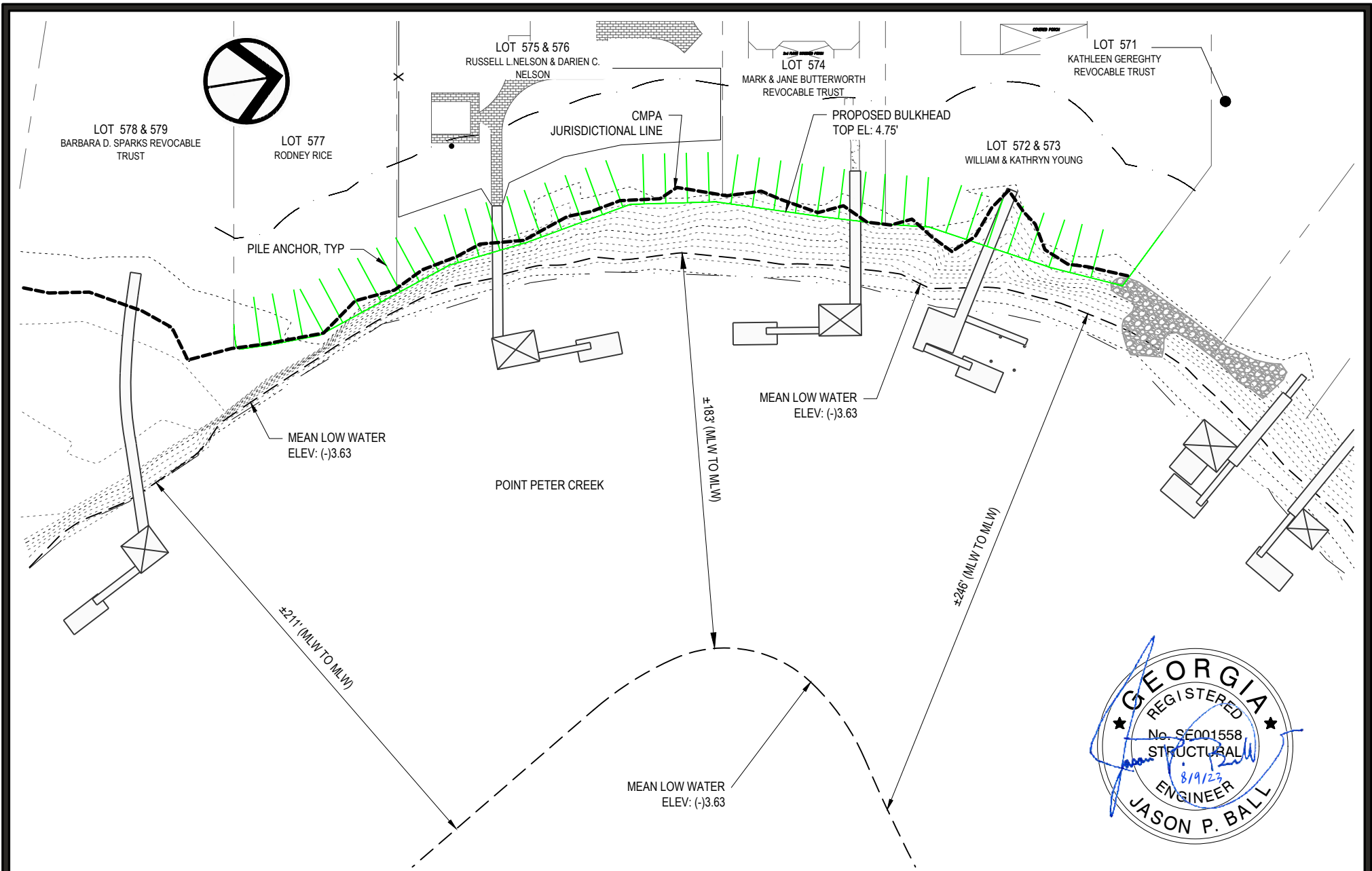
GENERAL NOTES:

SCALE: 1"=60' (IN FEET)



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PROPOSED IMPROVEMENTS

**CUMBERLAND HARBOUR
TATNAL LANE BULKHEAD**
ST. MARYS, GA

PROPOSED ACTIVITY: BULKHEAD

Applicant: **MARK & JANE BUTTERWORTH TRUST**

Date: **8/9/2023**

County: **CAMDEN**

JOB#: **21-1048**

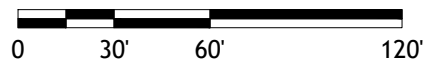
DATUM: **NAVD88**

SCALE: **1" = 60'**

SHEET: **4 of 7**

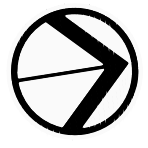
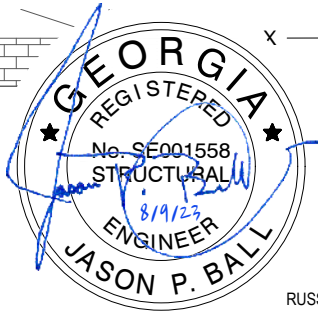
GENERAL NOTES:

SCALE: **1"=60'** (IN FEET)



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LOT 575 & 576
RUSSELL L. NELSON & DARIEN C. NELSON

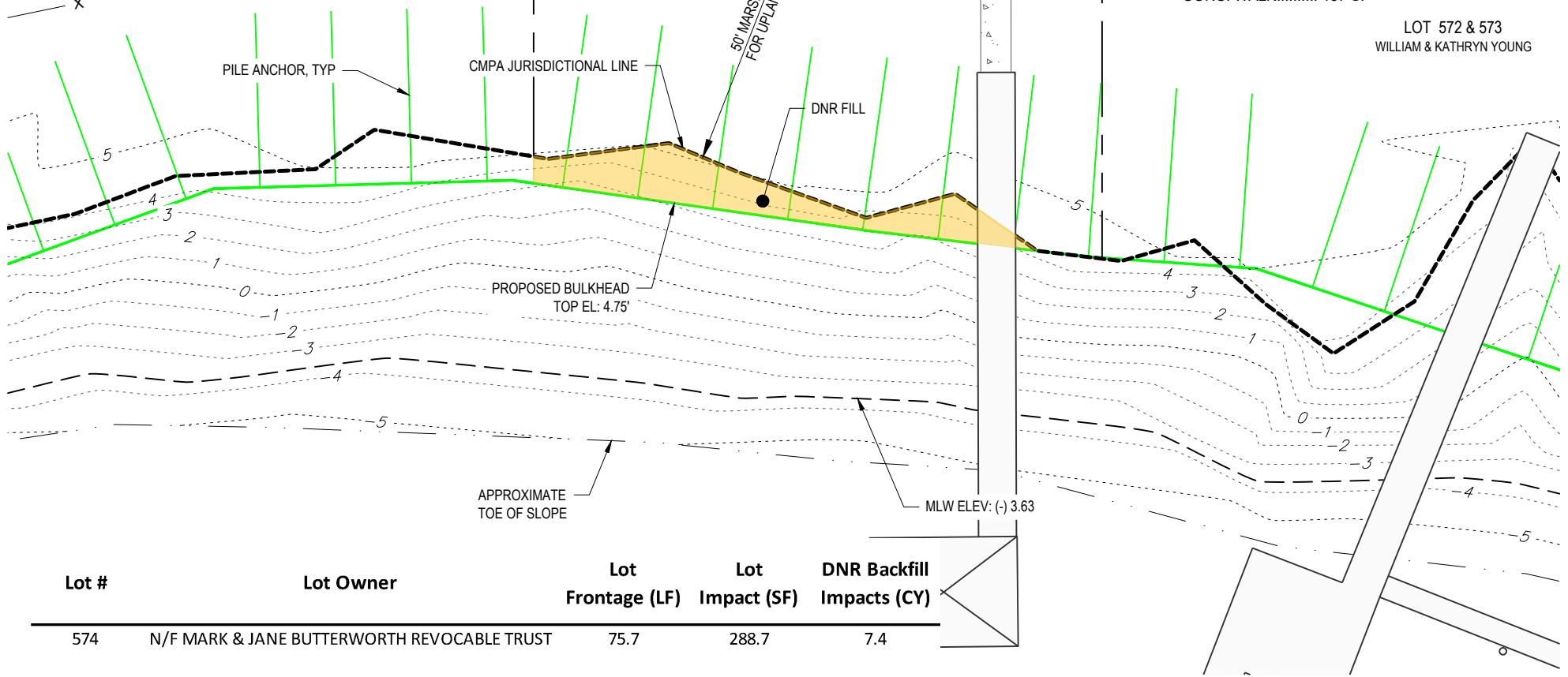
LOT 574
MARK & JANE BUTTERWORTH REVOCABLE TRUST

2nd FLOOR WOOD DECK
COVERED CONCRETE 1st FLOOR

PROPERTY AREA TABLE

LOT 574:	± 14,997 SF
50' UPLAND BUFFER:	± 3,930 SF
IMPROVEMENTS WITHIN BUFFER:	± 236 SF
- WOOD WALK:	99 SF
- CONC. WALK:	137 SF

LOT 572 & 573
WILLIAM & KATHRYN YOUNG



Lot #	Lot Owner	Lot Frontage (LF)	Lot Impact (SF)	DNR Backfill Impacts (CY)
574	N/F MARK & JANE BUTTERWORTH REVOCABLE TRUST	75.7	288.7	7.4

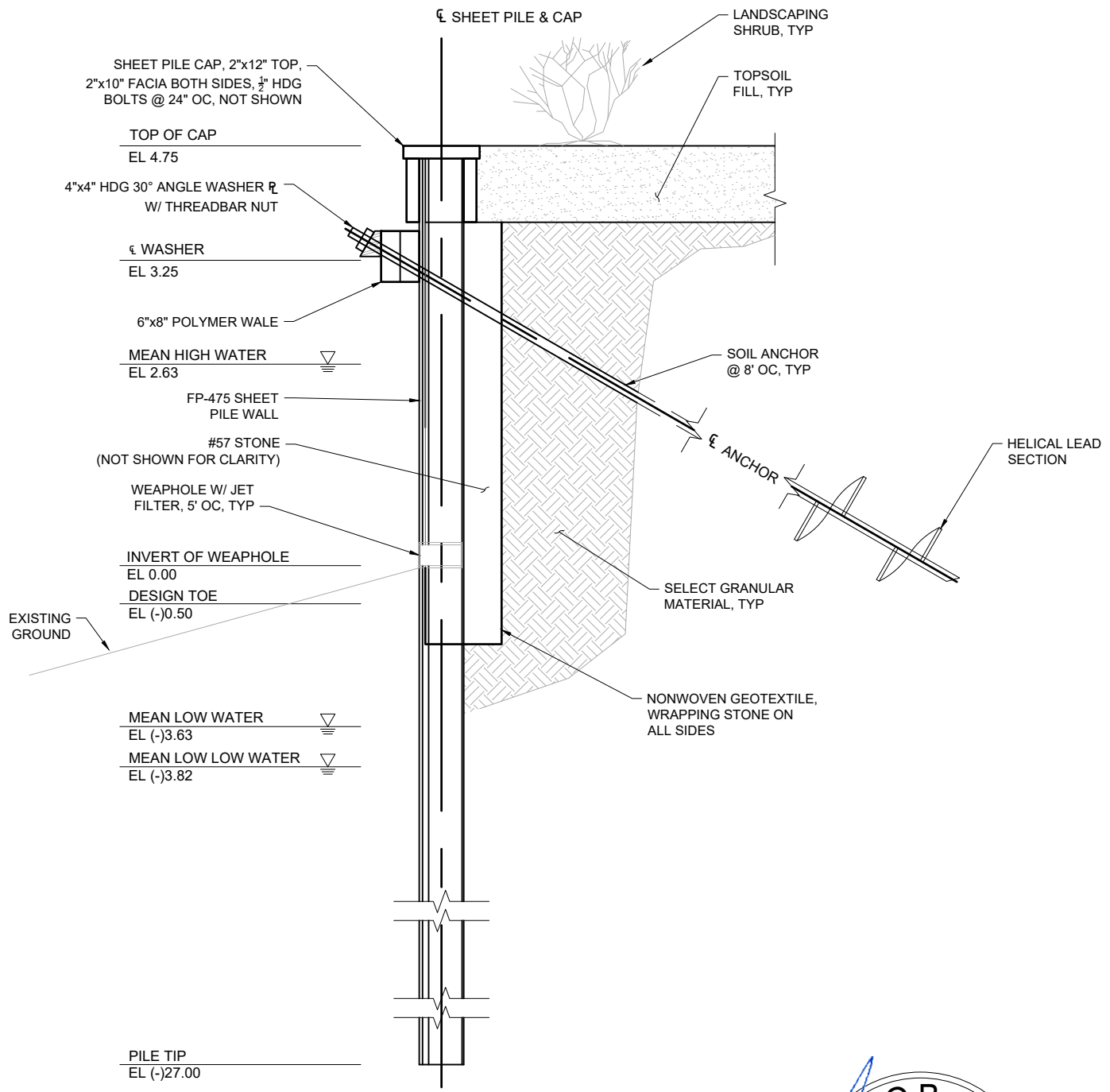
PROPOSED BULKHEAD LOT 574 **CUMBERLAND HARBOUR TATNAL LANE BULKHEAD**
 PROPOSED ACTIVITY: BULKHEAD ST. MARYS, GA

Applicant: MARK & JANE BUTTERWORTH TRUST
 Date: 8/9/2023
 County: CAMDEN
 JOB#: 21-1048 DATUM: NAVD88
 SCALE: 1" = 20' SHEET: 5 of 7

GENERAL NOTES:

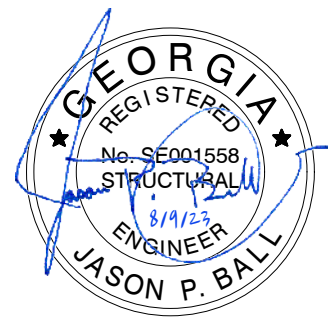
SCALE: 1"=20' (IN FEET)

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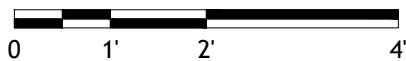


SHEET PILE WALL SECTION

SCALE: 3/8" = 1'-0"



SCALE: 1/2" = 1'-0" (IN FEET)



BULKHEAD SECTION

**CUMBERLAND HARBOUR
TATNAL LANE BULKHEAD**

ST. MARYS, GA

PROPOSED ACTIVITY: BULKHEAD

Applicant: MARK & JANE BUTTERWORTH TRUST

Date: 8/9/2023

County: CAMDEN

JOB#: 21-1048

DATUM: NAVD88

SCALE: 1/2" = 1'-0"

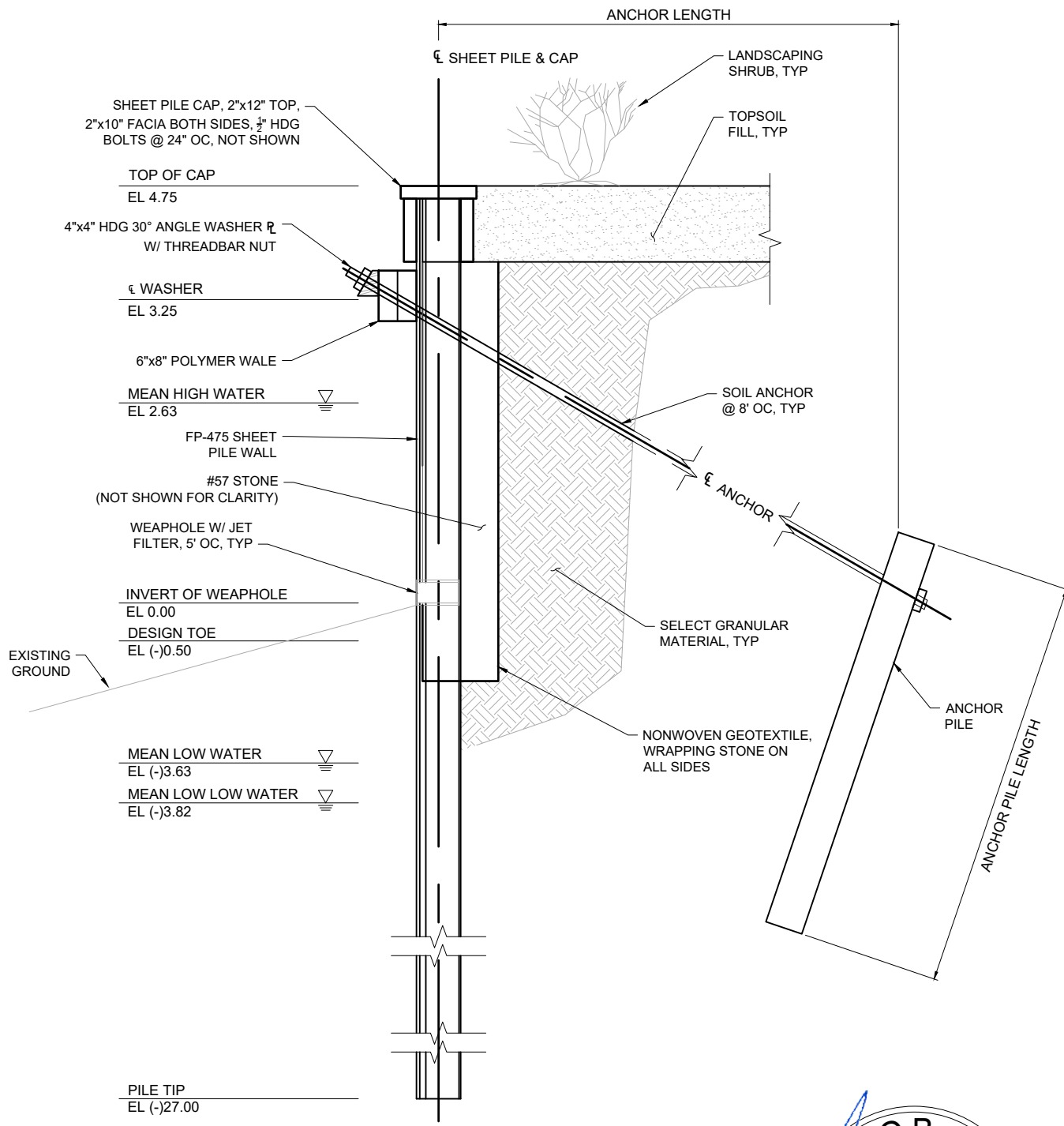
SHEET: 6 of 7



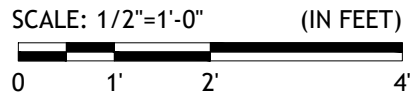
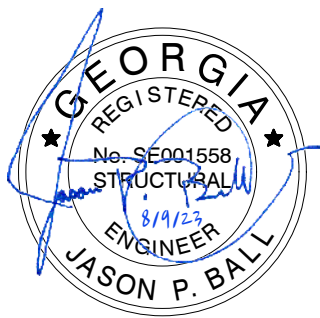
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SHEET PILE WALL SECTION
SCALE: 3/8" = 1'-0"



ALTERNATE BULKHEAD SECTION
CUMBERLAND HARBOUR TATNAL LANE BULKHEAD
 ST. MARYS, GA

PROPOSED ACTIVITY: BULKHEAD

Applicant: MARK & JANE BUTTERWORTH TRUST
 Date: 8/9/2023
 County: CAMDEN
 JOB#: 21-1048 DATUM: NAVD88
 SCALE: 1/2" = 1'-0" SHEET: 7 of 7



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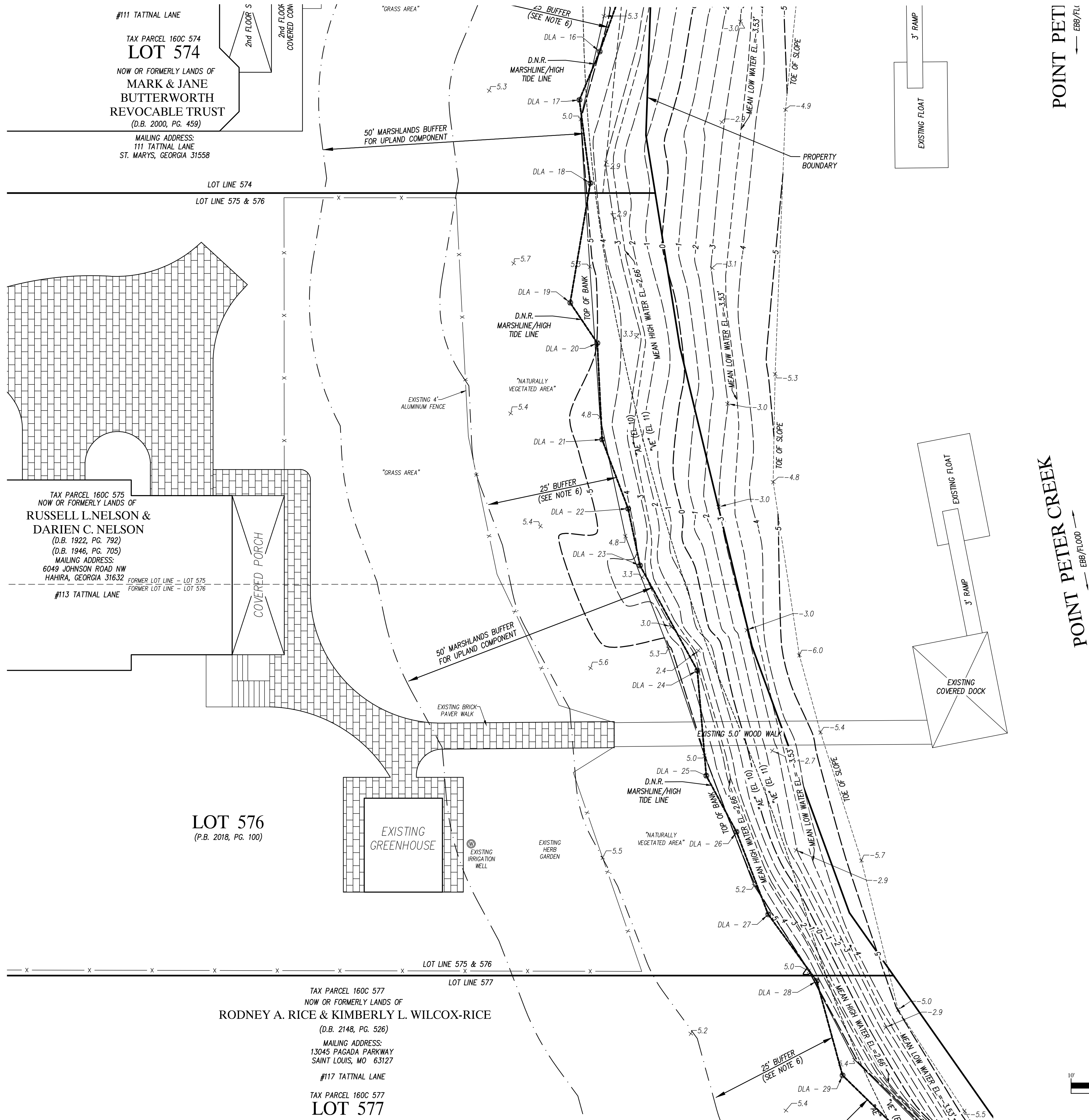
Appendix 3A: Project Survey, prepared by AKM Surveying, dated July 14, 2023

MAP TO SHOW BANK STABILIZATION SKETCH OF
LOTS 575 & 576, CUMBERLAND HARBOUR, PHASE FOUR, SECTION "A",

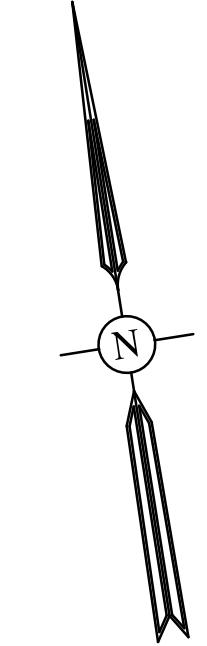
CITY OF ST. MARYS, 29th G.M.D., CAMDEN COUNTY, GEORGIA

(ACCORDING TO DEED RECORDED IN DEED BOOK 1922, PAGE 792 & DEED BOOK 1946, PAGE 705 AND AS SHOWN ON PLAT RECORDED IN PLAT BOOK 2019, PAGE 107, PUBLIC RECORDS OF SAID COUNTY)

FOR: RUSSELL L. NELSON & DARIEN C. NELSON



POINT PETER CREEK
 EBB/FLOOD



AREA TABLE:

SUBJECT PROPERTY=	±31,093 Sq. Ft.
50' UPLAND BUFFER AREA=	±7,943 Sq. Ft.
IMPROVEMENTS WITHIN BUFFER=	±290 Sq. Ft. TOTAL
(WOOD WALK=	78 Sq. Ft., BRICK WALK= 212 Sq. Ft., IRRIGATION WELL)

NOTES:

- 1.) SUBJECT PROPERTY IS FOUND TO BE IN FLOOD ZONES "AE" (EL. 10) & "VE" (EL. 11) AS PER F.I.R. MAP FOR CAMDEN COUNTY, GEORGIA, DATED: DECEMBER 21, 2017, MAP No. 13039C0485G, COMMUNITY No. 130027, PANEL No. 0485, SUFFIX "G".
- 2.) THIS SITE PLAN WAS PERFORMED WITHOUT THE BENEFIT OF A FORMAL TITLE REVIEW.
- 3.) THERE MAY EXIST ADDITIONAL RESTRICTIONS LYING OVER THE SUBJECT PROPERTY NOT SHOWN HEREON THAT MAY BE RECORDED IN THE PUBLIC RECORDS OF SAID COUNTY.
- 4.) SUBJECT PROPERTY IS CURRENTLY ZONED: PD (SINGLE FAMILY RESIDENTIAL USAGE). BUILDING SETBACKS ARE AS FOLLOWS: (AS PER S/D PLAT) MINIMUM FRONT YARD SETBACK: 20 FEET; MINIMUM SIDE YARD SETBACK FOR LOTS LESS THAN 80 FEET IN WIDTH: 10 FEET; MINIMUM REAR YARD SETBACK: 20 FEET
- 5.) DEPARTMENT OF NATURAL RESOURCES MARSH JURISDICTIONAL LINE WAS FLAGGED ON APRIL 27, 2022 BY TERRACON ENVIRONMENTAL DEPARTMENT REPRESENTATIVE AND VISUAL RE-VERIFIED BY D.N.R. REPRESENTATIVE ON NOVEMBER 20, 2022.
- 6.) THE GEORGIA EROSION & SEDIMENTATION ACT OF 1975, AS AMENDED (O.C.G.A. 12-7-1-et seq.) PROVIDES FOR THE PROTECTION OF STATE WATERS BY EXPLICITLY PROHIBITING LAND DISTURBING ACTIVITIES WITHIN 25 FEET FROM SPECIFIED STATE WATERS.
- 7.) NO ATTEMPT HAS BEEN MADE TO DETERMINE ANY WETLAND AREAS OR ENVIRONMENTAL ISSUES, IF ANY, WHICH MAY AFFECT THE SUBJECT PROPERTY.
- 8.) REFERENCE BENCHMARK: FOUND 60d NAIL IN SOUTHERLY SIDE OF 24" OAK LOCATED ON CUL-DE-SAC OF TATTNAL LANE, ELEVATION= 9.36" (N.A.V.D. 88).
- 9.) EXISTING ELEVATIONS SHOWN THUS: ±7.1 AND ARE BASED ON N.A.V.D. 88 DATUM.
- 10.) MEAN HIGH WATER AND MEAN LOW WATER ELEVATIONS WERE PROVIDED BY U.S.A.C.O.E. REPRESENTATIVE AND ARE BASED ON N.A.V.D. 88 DATUM WITH A VERTICAL UNCERTAINTY OF ±0.31'. TIDAL INFORMATION IS BASED ON DOWNTOWN ST. MARYS TIDAL GAUGE.

#111 TATTNAL LANE
 TAX PARCEL 160C 574
LOT 574
 NOW OR FORMERLY LANDS OF
MARK & JANE BUTTERWORTH REVOCABLE TRUST
 (D.B. 2000, PG. 459)
 MAILING ADDRESS:
 111 TATTNAL LANE
 ST. MARYS, GEORGIA 31558

TAX PARCEL 160C 575
 NOW OR FORMERLY LANDS OF
RUSSELL L. NELSON & DARIEN C. NELSON
 (D.B. 1922, PG. 792)
 (D.B. 1946, PG. 705)
 MAILING ADDRESS:
 6049 JOHNSON ROAD NW
 HAHIRA, GEORGIA 31632
 FORMER LOT LINE - LOT 575
 FORMER LOT LINE - LOT 576

LOT 576
 (P.B. 2018, PG. 100)

TAX PARCEL 160C 577
 NOW OR FORMERLY LANDS OF
RODNEY A. RICE & KIMBERLY L. WILCOX-RICE
 (D.B. 2148, PG. 526)
 MAILING ADDRESS:
 13045 PAGADA PARKWAY
 SAINT LOUIS, MO 63127
 #117 TATTNAL LANE
 TAX PARCEL 160C 577
LOT 577

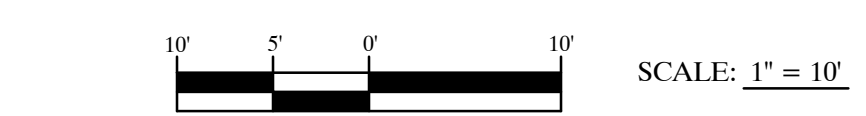
APPROVED BY:

 BY: *J.S. Foster* DATE: 07/14/2023
 JEFFREY S. FOSTER
 GA. REGISTERED SURVEYOR No. 3143

P.O. BOX 5730
 ST. MARYS, GEORGIA 31558
 (912) 729-1507 PHONE
 (912) 729-1509 FAX
 GEORGIA LICENSED SURVEY FIRM No. 1067
 DWG. No. T-2-1174-08-20

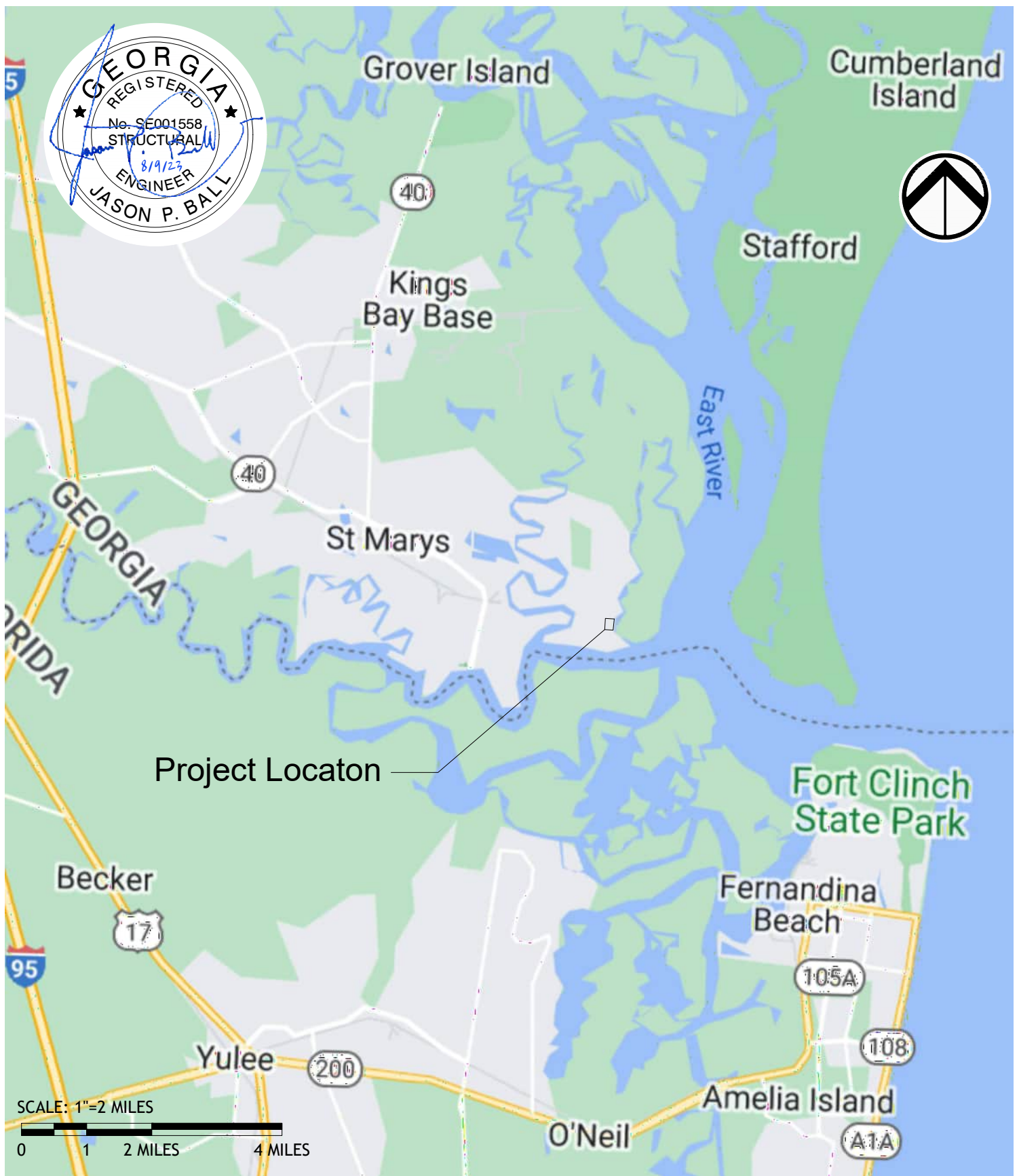
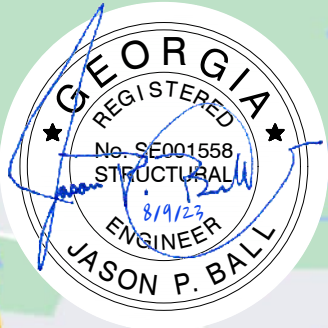
PREPARED BY:

A K M
 SURVEYING, INC.
 SURVEYORS & LAND PLANNERS

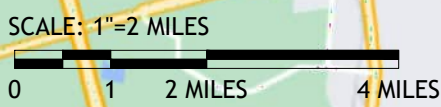


FIELD BOOK 58, PAGE 49-51, 55-56
 SKETCH DATE: 06-26-2023
 DWN. BY: M.C.
 CKD. BY: J.S.F.

Appendix 3B: Project Plans, prepared by Ball Maritime Group, dated August 9, 2023



Project Locaton



VICINITY MAP **CUMBERLAND HARBOUR TATNAL LANE BULKHEAD**
PROPOSED ACTIVITY: BULKHEAD **ST. MARYS, GA**

Applicant: **RUSSELL L. NELSON & DARIEN C. NELSON**
 Date: **8/9/2023**
 County: **CAMDEN**
 JOB#: **21-1048** DATUM: **NAVD88**
 SCALE: **1" = 2 MILES** SHEET: **1 of 7**



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Project Boundry

GEORGIA
FLORIDA

GEORGIA
FLORIDA

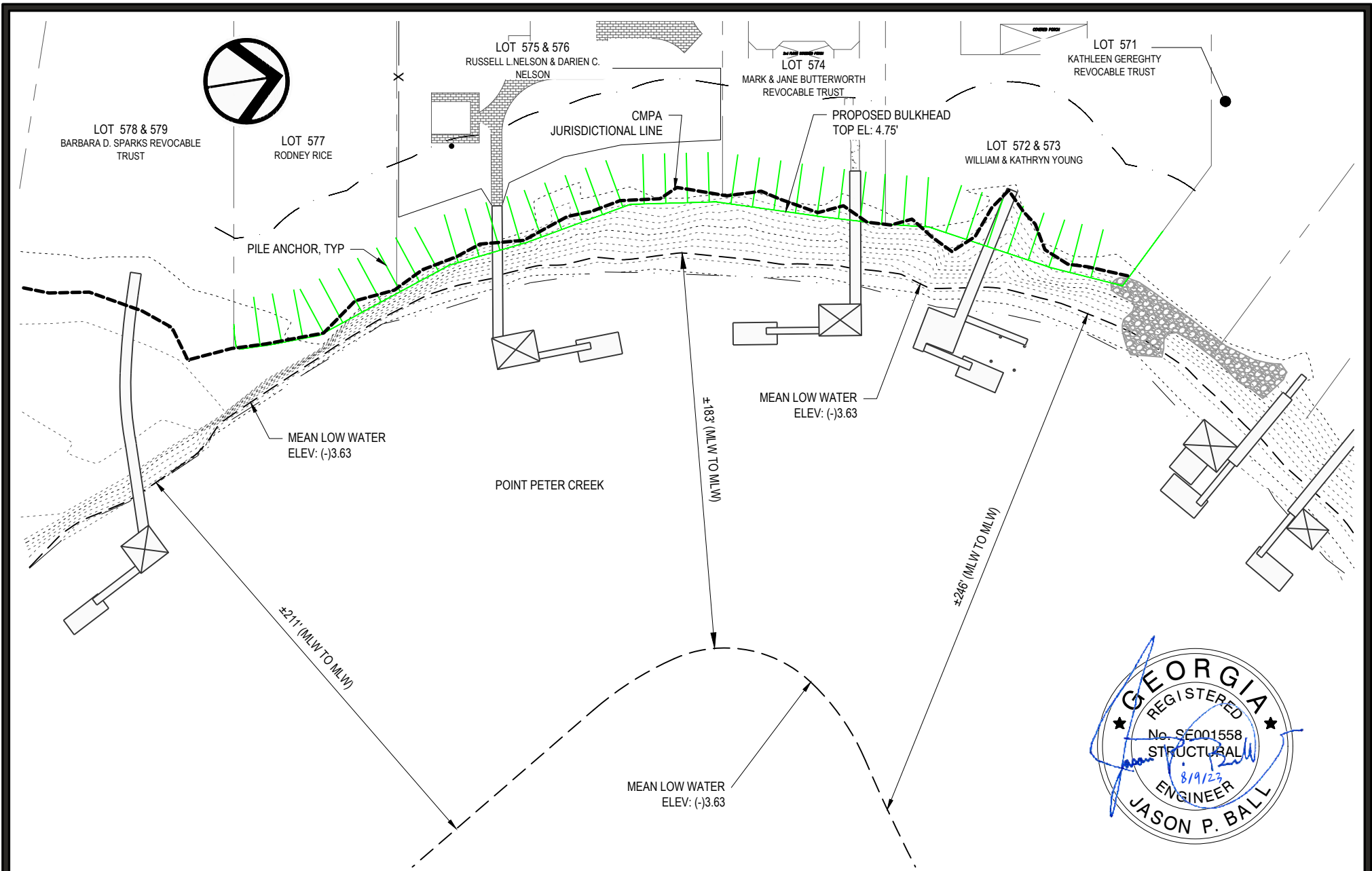
SCALE: 1"=3/4 Mile (IN MILES)
0 3/8 3/4 1.5 MILES

LOCATION MAP **CUMBERLAND HARBOUR TATNAL LANE BULKHEAD**
PROPOSED ACTIVITY: BULKHEAD **ST. MARYS, GA**

Applicant: **RUSSELL L. NELSON & DARIEN C. NELSON**
Date: **8/9/2023**
County: **CAMDEN**
JOB#: **21-1048** DATUM: **NAVD88**
SCALE: **1" = 3/4 MILE** SHEET: **2 of 7**



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PROPOSED IMPROVEMENTS

**CUMBERLAND HARBOUR
TATNAL LANE BULKHEAD**

ST. MARYS, GA

PROPOSED ACTIVITY: BULKHEAD

Applicant: RUSSELL L. NELSON & DARIEN C. NELSON

Date: 8/9/2023

County: CAMDEN

JOB#: 21-1048

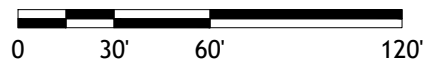
DATUM: NAVD88

SCALE: 1" = 60'

SHEET: 4 of 7

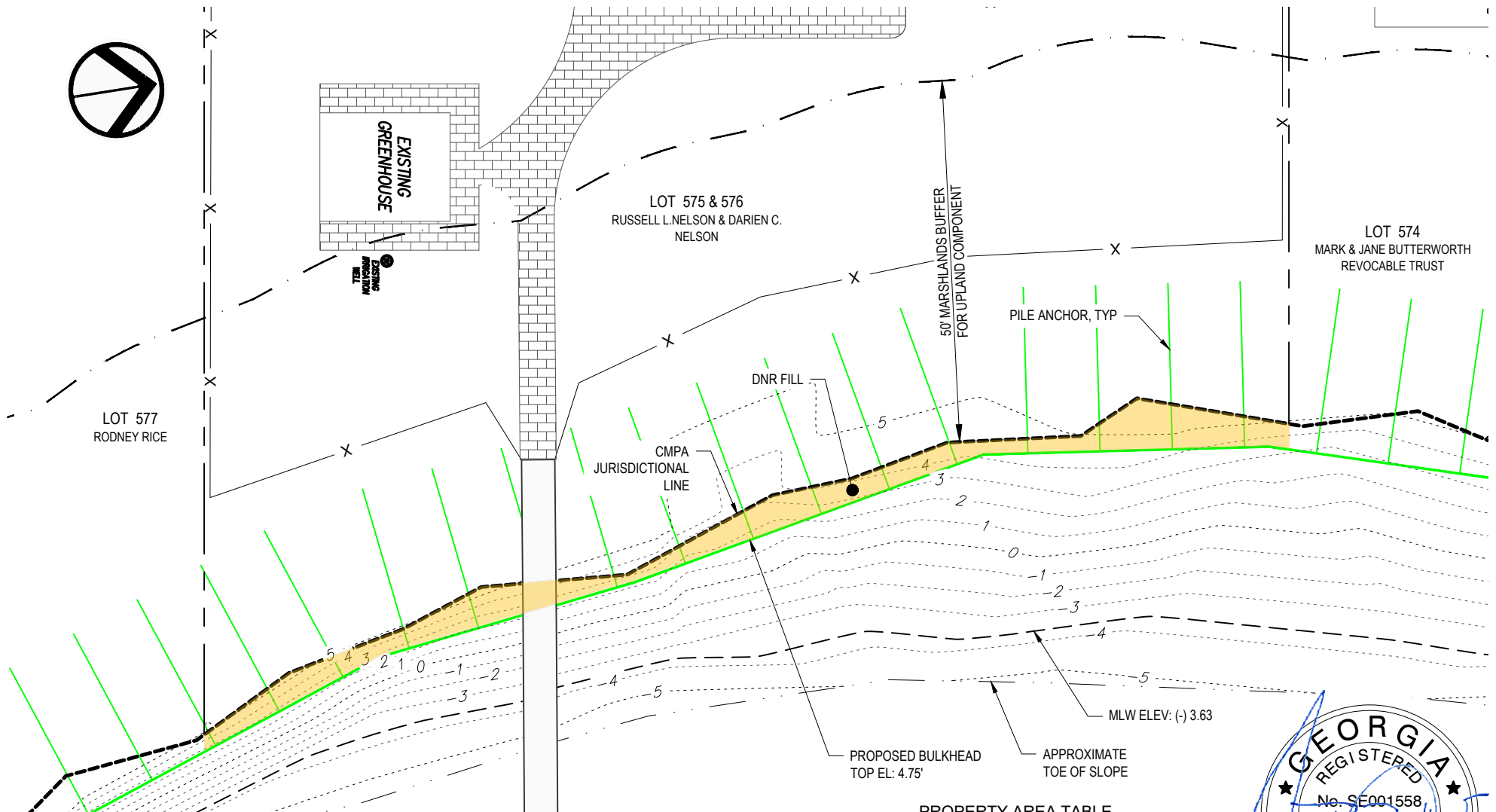
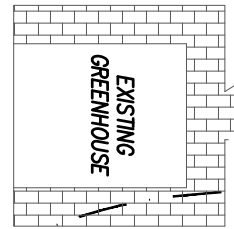
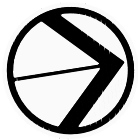
GENERAL NOTES:

SCALE: 1"=60' (IN FEET)



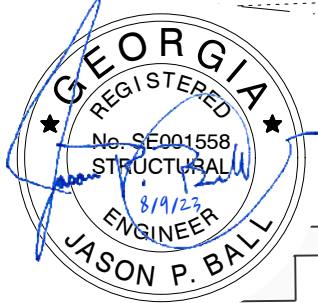
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PROPERTY AREA TABLE

LOT 575 & 576:	± 31,093 SF
50' UPLAND BUFFER:	± 7,943 SF
IMPROVEMENTS WITHIN BUFFER:	± 290 SF
- WOOD WALK.....	78 SF
- BRICK WALK.....	212 SF
- IRRIGATION WELL	



Lot #	Lot Owner	Lot Frontage (LF)	Lot Impact (SF)	DNR Backfill Impacts (CY)
575 & 576	N/F RUSSELL L. NELSON & DARIEN C. NELSON	158.0	537.7	18.4

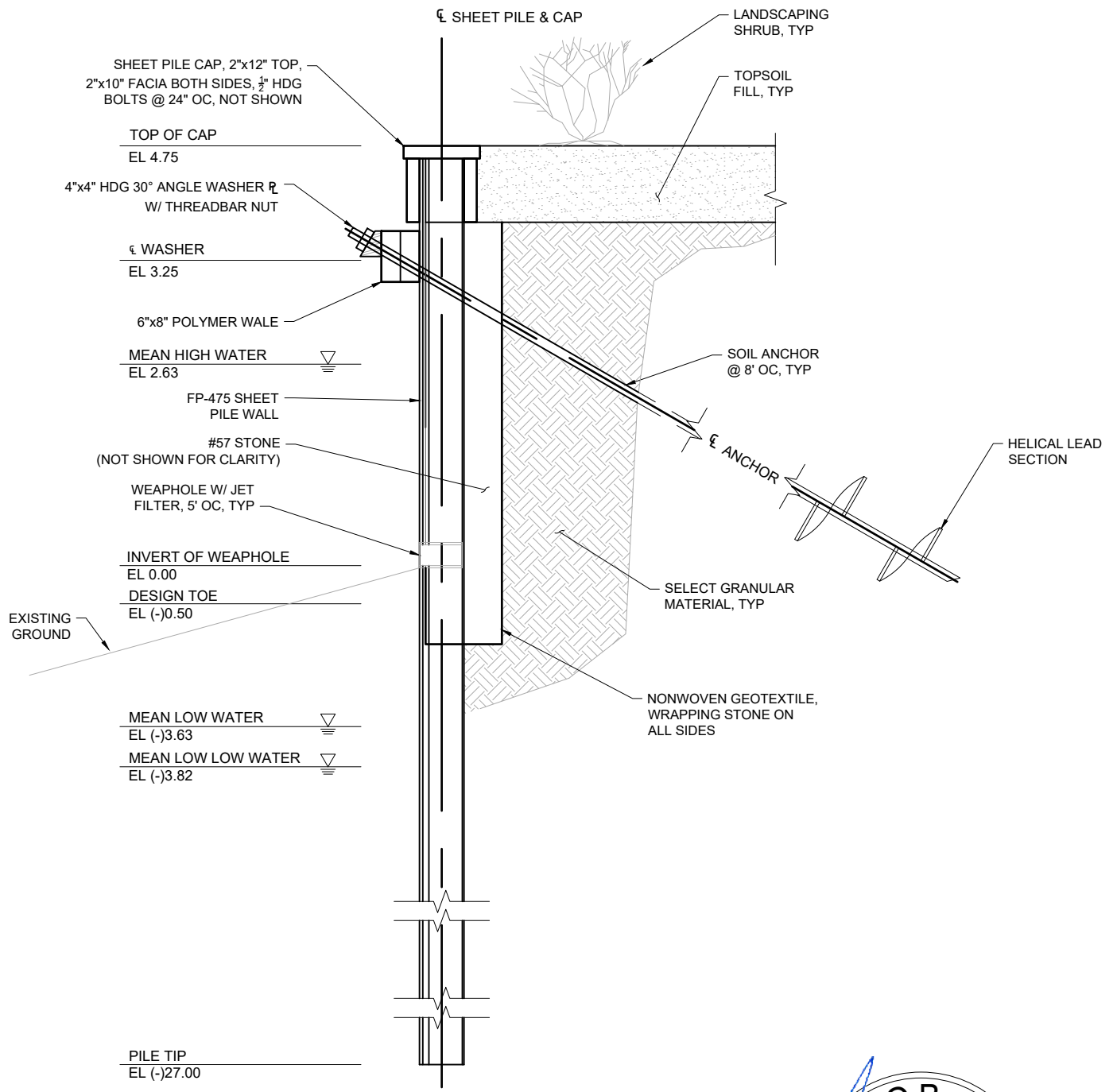
PROPOSED BULKHEAD LOT 575 & 576 CUMBERLAND HARBOUR TATNAL LANE BULKHEAD
PROPOSED ACTIVITY: BULKHEAD ST. MARYS, GA

Applicant: RUSSELL L. NELSON & DARIEN C. NELSON
Date: 8/9/2023
County: CAMDEN
JOB#: 21-1048 **DATUM:** NAVD88
SCALE: 1" = 20' **SHEET:** 5 of 7

GENERAL NOTES:

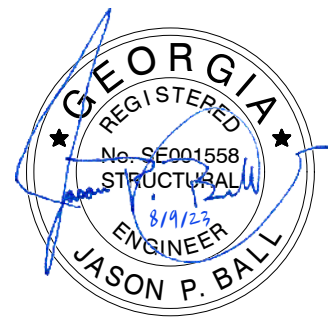
SCALE: 1"=20' (IN FEET)

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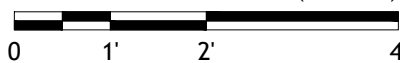


SHEET PILE WALL SECTION

SCALE: 3/8" = 1'-0"



SCALE: 1/2" = 1'-0" (IN FEET)



BULKHEAD SECTION

**CUMBERLAND HARBOUR
TATNAL LANE BULKHEAD
ST. MARYS, GA**

PROPOSED ACTIVITY: BULKHEAD

Applicant: RUSSELL L. NELSON & DARIEN C. NELSON

Date: 8/9/2023

County: CAMDEN

JOB#: 21-1048

DATUM: NAVD88

SCALE: 1/2" = 1'-0"

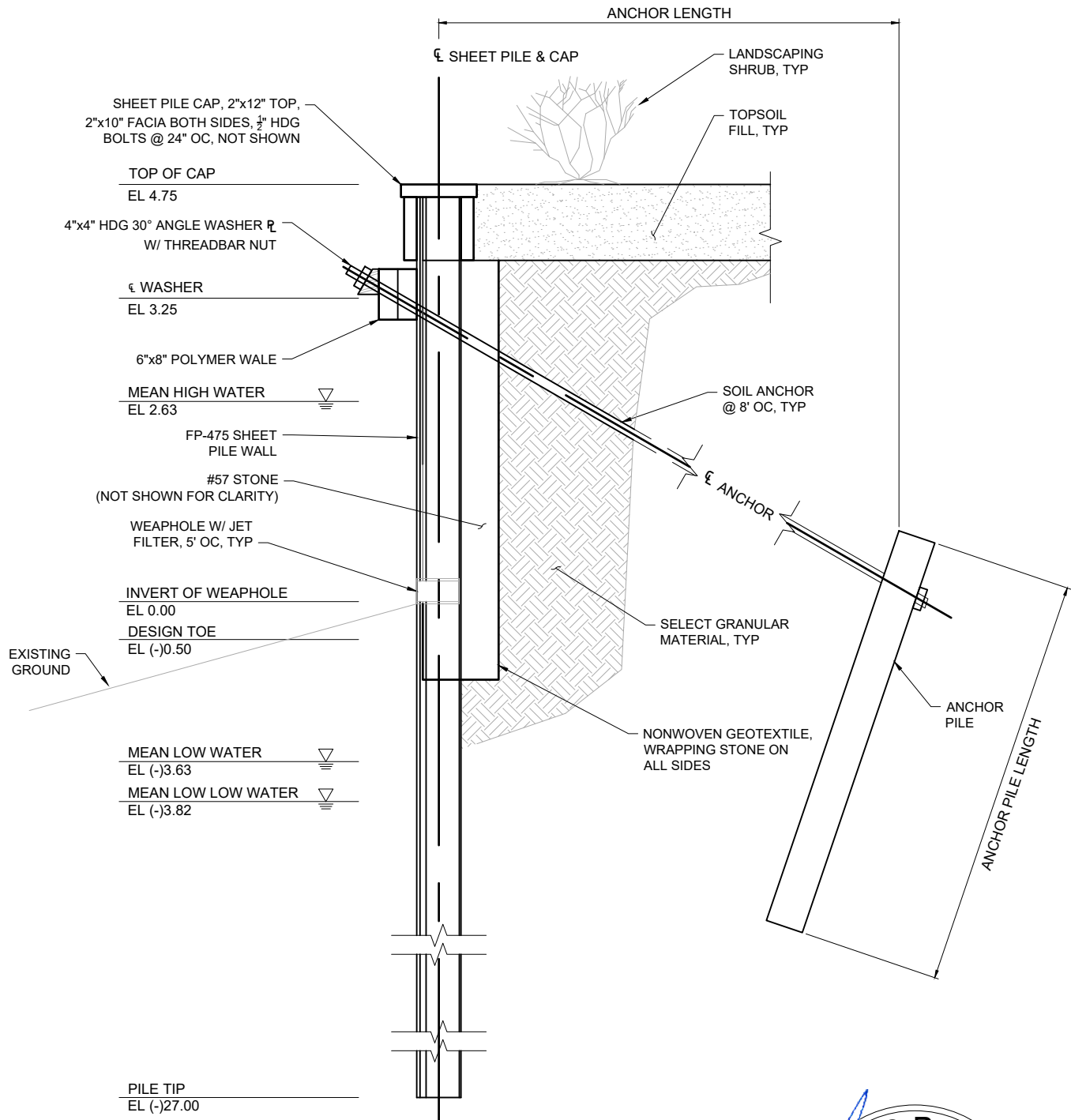
SHEET: 6 of 7



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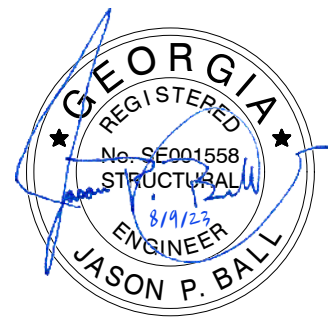
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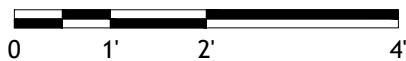


SHEET PILE WALL SECTION

SCALE: 3/8" = 1'-0"



SCALE: 1/2" = 1'-0" (IN FEET)



ALTERNATE BULKHEAD SECTION

**CUMBERLAND HARBOUR
TATNAL LANE BULKHEAD
ST. MARYS, GA**

PROPOSED ACTIVITY: BULKHEAD

Applicant: RUSSELL L. NELSON & DARIEN C. NELSON

Date: 8/9/2023

County: CAMDEN

JOB#: 21-1048

DATUM: NAVD88

SCALE: 1/2" = 1'-0"

SHEET: 7 of 7



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Appendix 4A: Project Survey, prepared by AKM Surveying, dated July 14, 2023

MAP TO SHOW BANK STABILIZATION SKETCH OF
LOT 577, CUMBERLAND HARBOUR, PHASE FOUR, SECTION "A",
CITY OF ST. MARYS, 29th G.M.D., CAMDEN COUNTY, GEORGIA

(ACCORDING TO DEED RECORDED IN DEED BOOK 1446, PAGE 681 AND AS SHOWN ON
 PLAT RECORDED IN PLAT DRAWER 17, MAP 55-58, PUBLIC RECORDS OF SAID COUNTY)

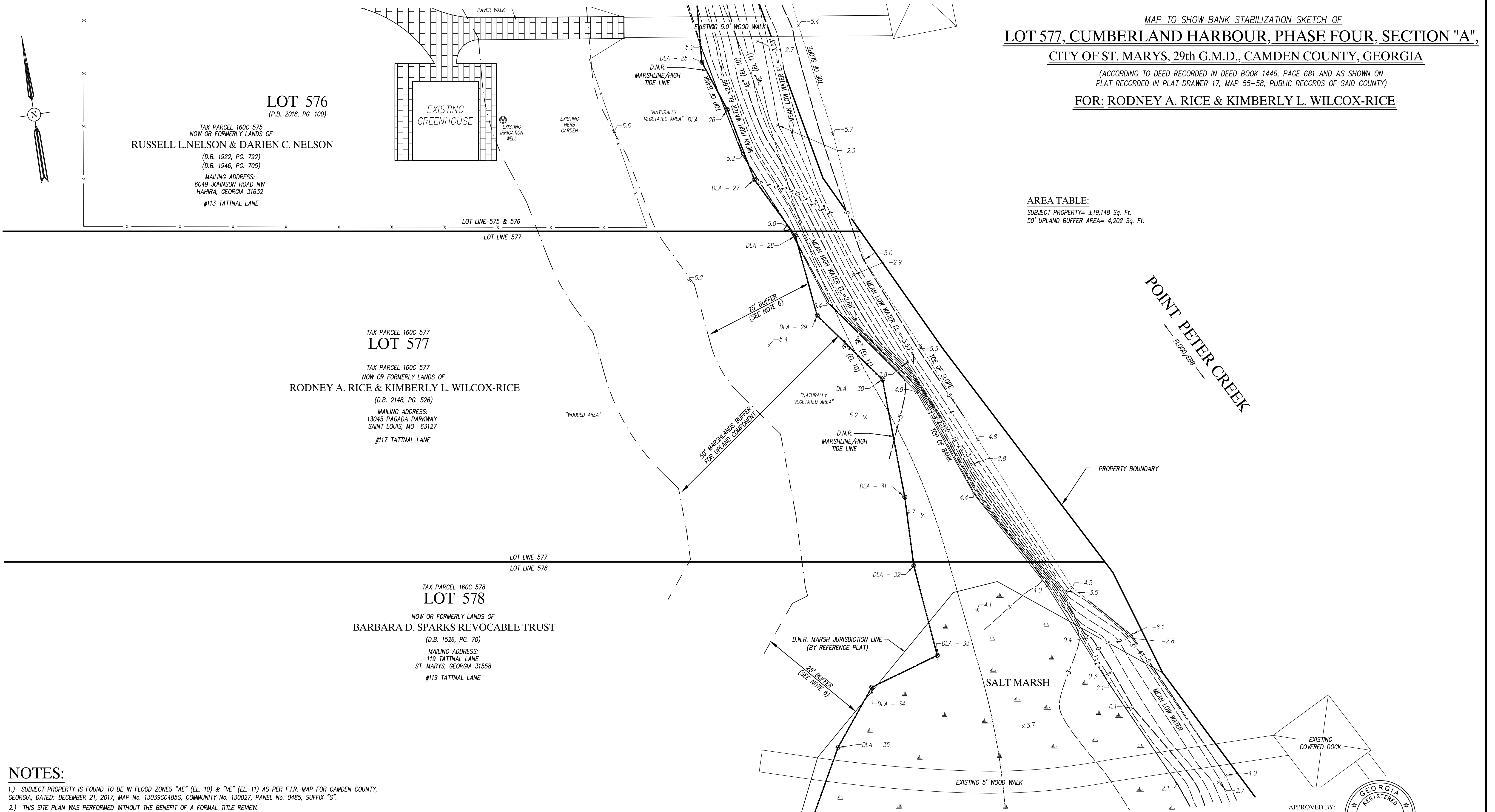
FOR: RODNEY A. RICE & KIMBERLY L. WILCOX-RICE

LOT 576
 (P.B. 2018, PG. 100)
 TAX PARCEL 160C 575
 NOW OR FORMERLY LANDS OF
RUSSELL L. NELSON & DARIEN C. NELSON
 (D.B. 1922, PG. 792)
 (D.B. 1946, PG. 705)
 MAILING ADDRESS:
 6049 JOHNSON ROAD NW
 HAHIRA, GEORGIA 31632
 #113 TATTNAL LANE

LOT 577
 TAX PARCEL 160C 577
 NOW OR FORMERLY LANDS OF
RODNEY A. RICE & KIMBERLY L. WILCOX-RICE
 (D.B. 2148, PG. 526)
 MAILING ADDRESS:
 13045 PAGADA PARKWAY
 SAINT LOUIS, MO 63127
 #117 TATTNAL LANE


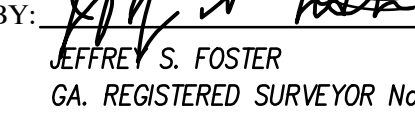
LOT 578
 TAX PARCEL 160C 578
 NOW OR FORMERLY LANDS OF
BARBARA D. SPARKS REVOCABLE TRUST
 (D.B. 1526, PG. 70)
 MAILING ADDRESS:
 119 TATTNAL LANE
 ST. MARYS, GEORGIA 31558
 #119 TATTNAL LANE

AREA TABLE:
 SUBJECT PROPERTY= ±19,148 Sq. Ft.
 50' UPLAND BUFFER AREA= 4,202 Sq. Ft.



NOTES:

- 1.) SUBJECT PROPERTY IS FOUND TO BE IN FLOOD ZONES "AE" (EL. 10) & "VE" (EL. 11) AS PER F.I.R. MAP FOR CAMDEN COUNTY, GEORGIA, DATED: DECEMBER 21, 2017, MAP No. 13039C0485G, COMMUNITY No. 130027, PANEL No. 0485, SUFFIX "G".
- 2.) THIS SITE PLAN WAS PERFORMED WITHOUT THE BENEFIT OF A FORMAL TITLE REVIEW.
- 3.) THERE MAY EXIST ADDITIONAL RESTRICTIONS LYING OVER THE SUBJECT PROPERTY NOT SHOWN HEREON THAT MAY BE RECORDED IN THE PUBLIC RECORDS OF SAID COUNTY.
- 4.) SUBJECT PROPERTY IS CURRENTLY ZONED: PD (SINGLE FAMILY RESIDENTIAL USAGE). BUILDING SETBACKS ARE AS FOLLOWS: (AS PER S/D PLAT) MINIMUM FRONT YARD SETBACK: 20 FEET; MINIMUM SIDE YARD SETBACK FOR LOTS LESS THAN 80 FEET IN WIDTH: 10 FEET; MINIMUM REAR YARD SETBACK: 20 FEET
- 5.) DEPARTMENT OF NATURAL RESOURCES MARSH JURISDICTIONAL LINE WAS FLAGGED ON APRIL 27, 2022 BY TERRACON ENVIRONMENTAL DEPARTMENT REPRESENTATIVE AND VISUAL RE-VERIFIED BY D.N.R. REPRESENTATIVE ON NOVEMBER 20, 2022.
- 6.) THE GEORGIA EROSION & SEDIMENTATION ACT OF 1975, AS AMENDED (O.C.G.A. 12-7-1-et seq.) PROVIDES FOR THE PROTECTION OF STATE WATERS BY EXPLICITLY PROHIBITING LAND DISTURBING ACTIVITIES WITHIN 25 FEET FROM SPECIFIED STATE WATERS.
- 7.) NO ATTEMPT HAS BEEN MADE TO DETERMINE ANY WETLAND AREAS OR ENVIRONMENTAL ISSUES, IF ANY, WHICH MAY AFFECT THE SUBJECT PROPERTY.
- 8.) REFERENCE BENCHMARK: FOUND 60d NAIL IN SOUTHERLY SIDE OF 24" OAK LOCATED ON CUL-DE-SAC OF TATTNAL LANE. ELEVATION= 9.36" (N.A.V.D. 88).
- 9.) EXISTING ELEVATIONS SHOWN THUS: ±.1 AND ARE BASED ON N.A.V.D. 88 DATUM.
- 10.) MEAN HIGH WATER AND MEAN LOW WATER ELEVATIONS WERE PROVIDED BY U.S.A.C.O.E. REPRESENTATIVE AND ARE BASED ON N.A.V.D. 88 DATUM WITH A VERTICAL UNCERTAINTY OF ±0.31'. TIDAL INFORMATION IS BASED ON DOWNTOWN ST. MARYS TIDAL GAUGE.

APPROVED BY: 
 BY:  DATE: 07/14/2023
 JEFFREY S. FOSTER
 GA. REGISTERED SURVEYOR No. 3143

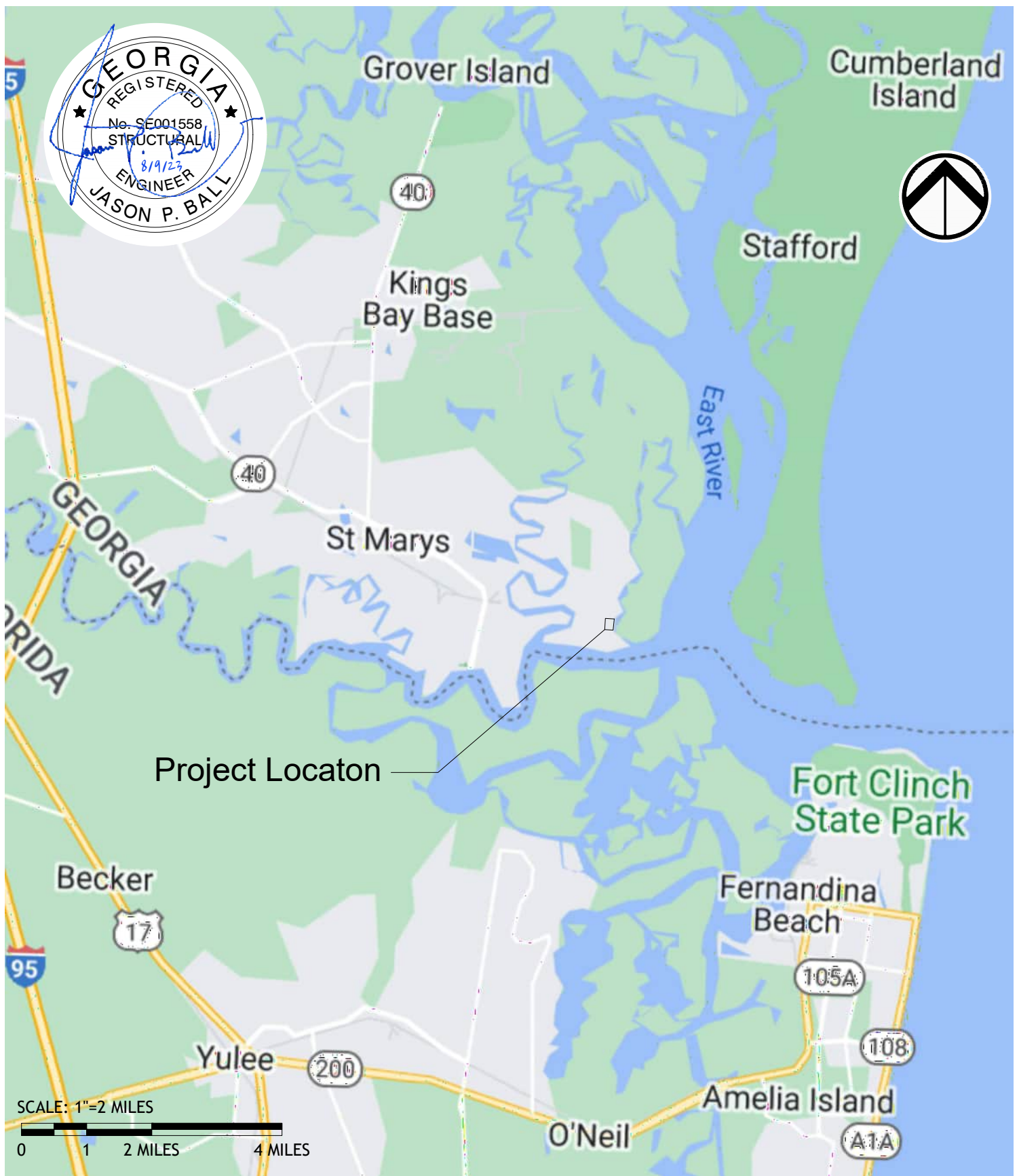
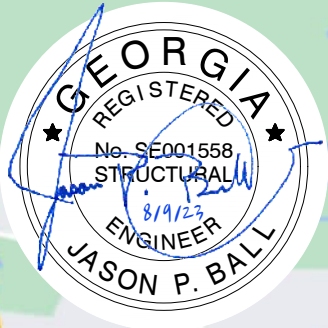
PREPARED BY:
A K M
 SURVEYING, INC.
 SURVEYORS & LAND PLANNERS

SCALE: 1" = 10'

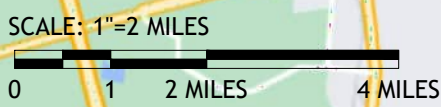
FIELD BOOK 58, PAGE 49-51, 55-56
 SKETCH DATE: 06-26-2023
 DWN. BY: M.C.
 CKD. BY: J.S.F.

P.O. BOX 5730
 ST. MARYS, GEORGIA 31558
 (912) 729-1507 PHONE
 (912) 729-1509 FAX
 GEORGIA LICENSED
 SURVEY FIRM No. 1067
 DWG. No. T-2-1175-08-20

Appendix 4B: Project Plans, prepared by Ball Maritime Group, dated August 9, 2023



Project Locaton



VICINITY MAP **CUMBERLAND HARBOUR TATNAL LANE BULKHEAD**
PROPOSED ACTIVITY: BULKHEAD **ST. MARYS, GA**

Applicant: **RODNEY RICE**
Date: **8/9/2023**
County: **CAMDEN**
JOB#: **21-1048** DATUM: **NAVD88**
SCALE: **1" = 2 MILES** SHEET: **1 of 7**



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LOCATION MAP

**CUMBERLAND HARBOUR TATNAL
LANE BULKHEAD
ST. MARYS, GA**

PROPOSED ACTIVITY: BULKHEAD

Applicant: RODNEY RICE

Date: 8/9/2023

County: CAMDEN

JOB#: 21-1048

DATUM: NAVD88

SCALE: 1" = 3/4 MILE

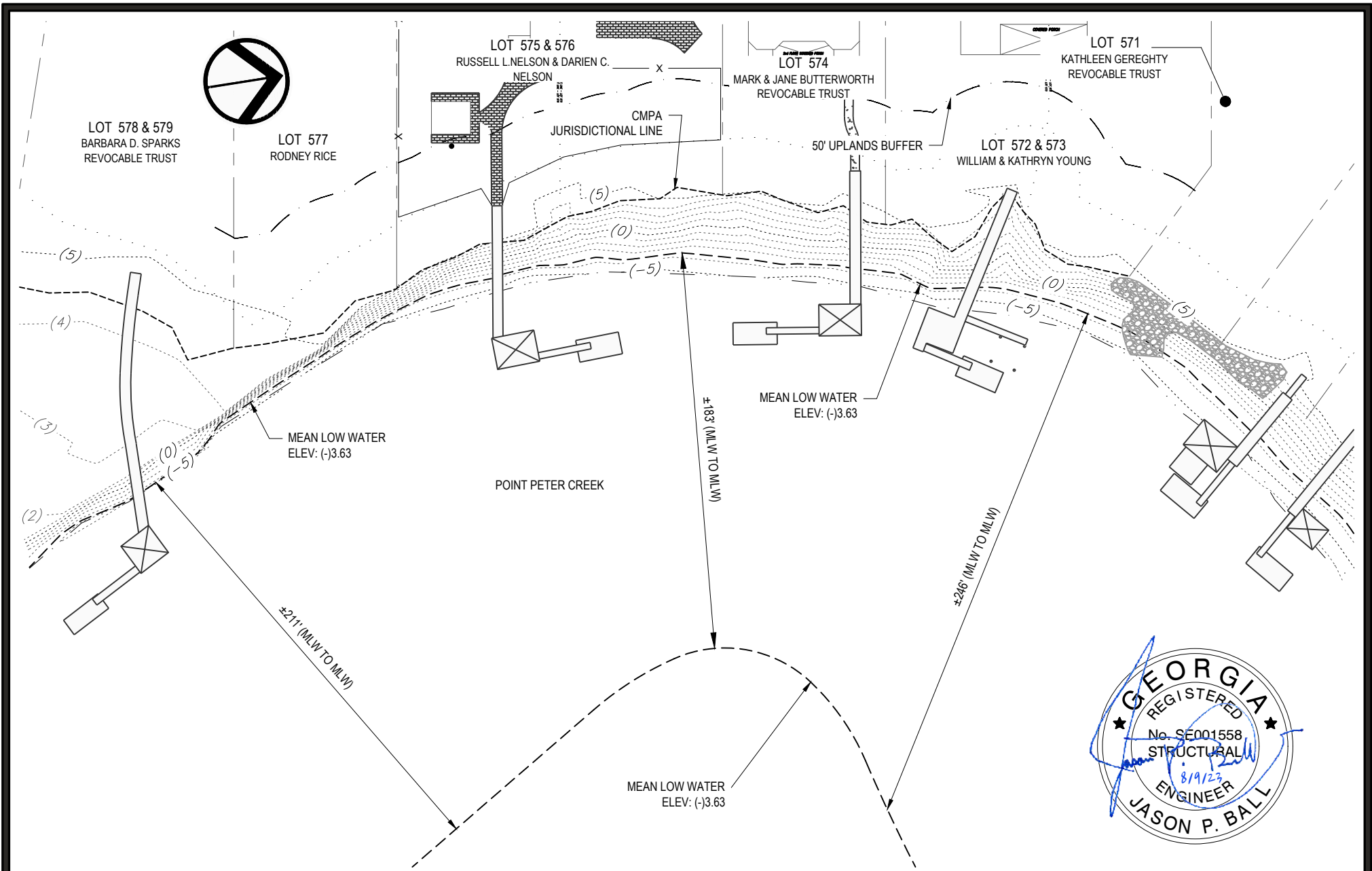
SHEET: 2 of 7



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EXISTING CONDITIONS

PROPOSED ACTIVITY: BULKHEAD

Applicant: **RODNEY RICE**

Date: **8/9/2023**

County: **CAMDEN**

JOB#: **21-1048**

SCALE: **1" = 60'**

DATUM: **NAVD88**

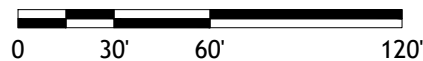
SHEET: **3 of 7**

**CUMBERLAND HARBOUR
TATNAL LANE BULKHEAD**

ST. MARYS, GA

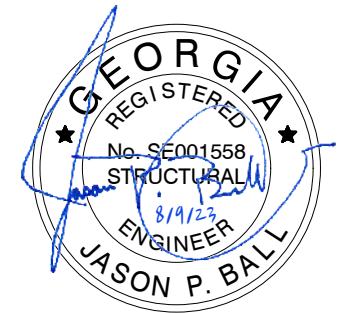
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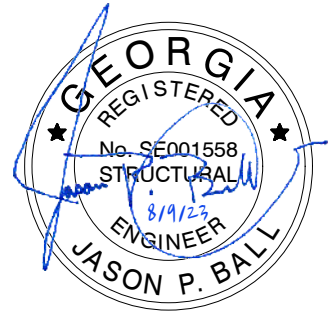
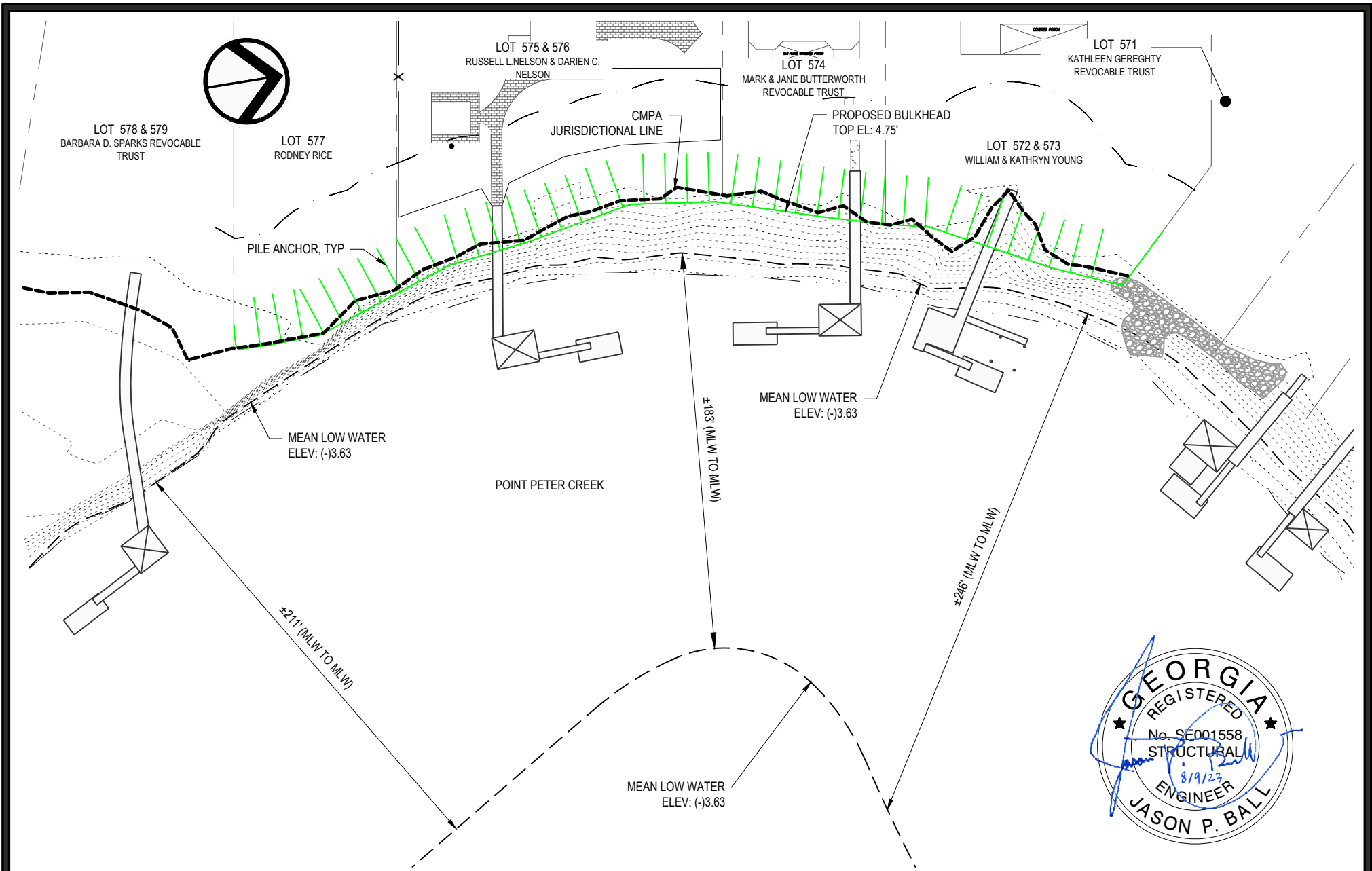
SCALE: 1"=60' (IN FEET)



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PROPOSED IMPROVEMENTS

**CUMBERLAND HARBOUR
TATNAL LANE BULKHEAD**
ST. MARYS, GA

PROPOSED ACTIVITY: BULKHEAD

Applicant: **RODNEY RICE**

Date: **8/9/2023**

County: **CAMDEN**

JOB#: **21-1048**

DATUM: **NAVD88**

SCALE: **1" = 60'**

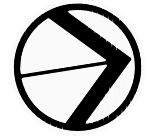
SHEET: **4 of 7**

GENERAL NOTES:

SCALE: 1"=60' (IN FEET)



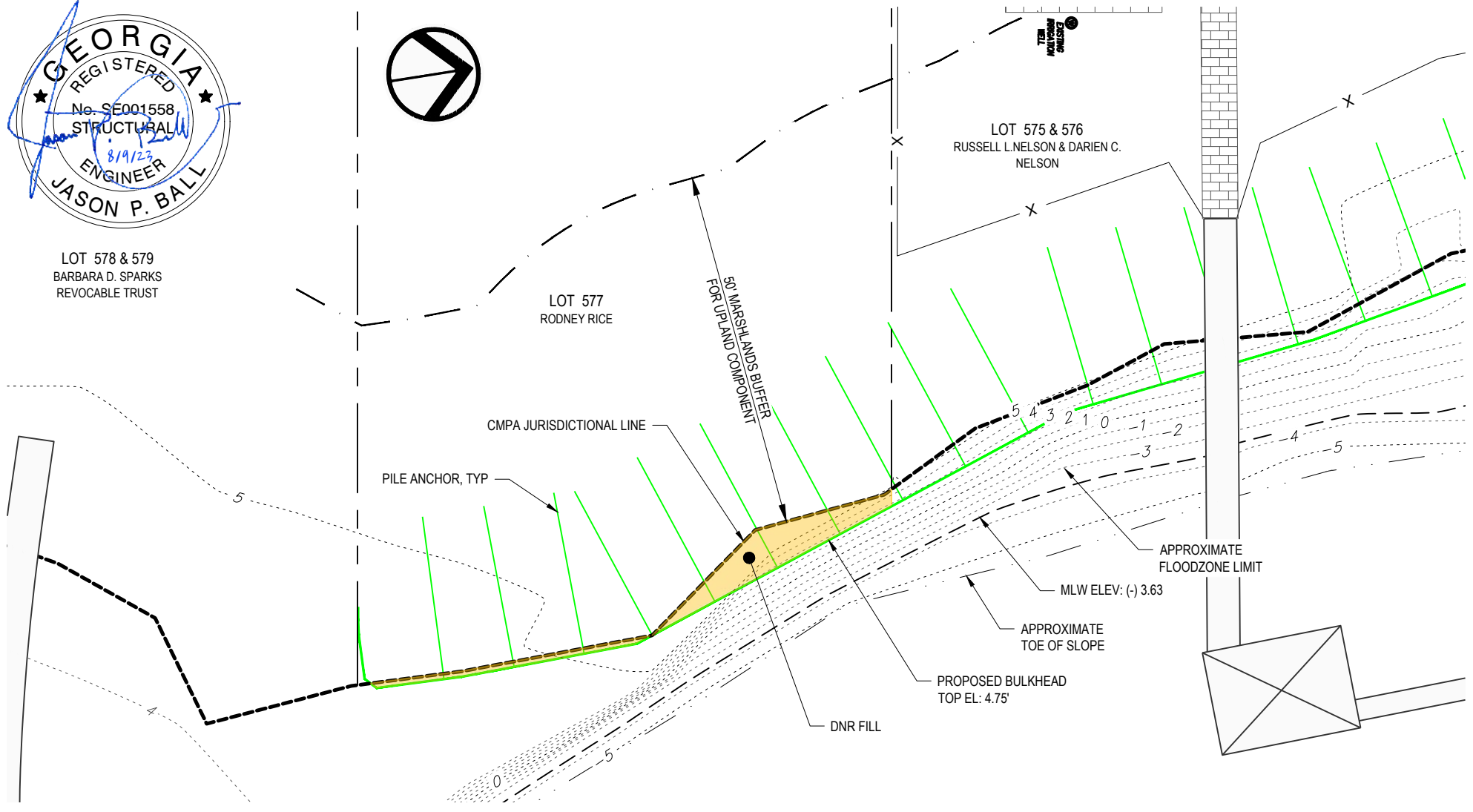
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LOT 578 & 579
BARBARA D. SPARKS
REVOCABLE TRUST

LOT 577
RODNEY RICE

LOT 575 & 576
RUSSELL L. NELSON & DARIEN C. NELSON



Lot #	Lot Owner	Lot Frontage (LF)	Lot Impact (SF)	DNR Backfill Impacts (CY)
577	RODNEY RICE	80.5	162.8	1.5

PROPERTY AREA TABLE

LOT 577:	± 19,148 SF
50' UPLAND BUFFER:	± 4,202 SF

PROPOSED BULKHEAD LOT 577
CUMBERLAND HARBOUR TATNAL LANE BULKHEAD
 ST. MARYS, GA

PROPOSED ACTIVITY: BULKHEAD

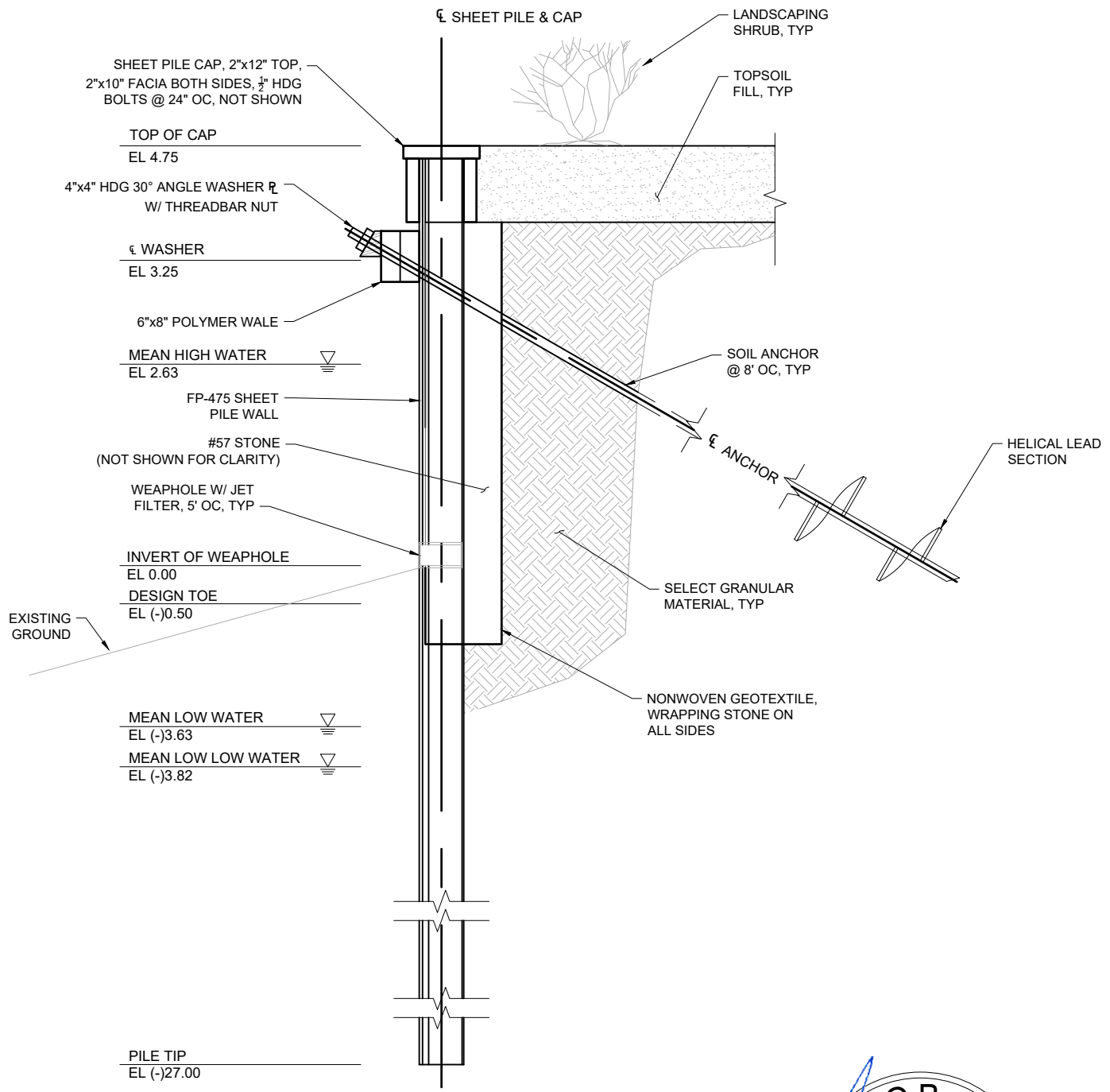
Applicant: RODNEY RICE
 Date: 8/9/2023
 County: CAMDEN
 JOB#: 21-1048
 SCALE: 1" = 20'

DATUM: NAVD88
 SHEET: 5 of 7

GENERAL NOTES:

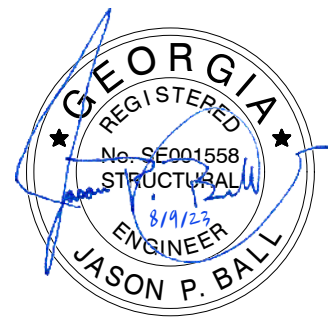
SCALE: 1"=20' (IN FEET)

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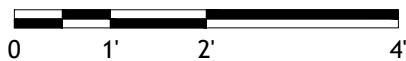


SHEET PILE WALL SECTION

SCALE: 3/8" = 1'-0"



SCALE: 1/2" = 1'-0" (IN FEET)



BULKHEAD SECTION

**CUMBERLAND HARBOUR
TATNAL LANE BULKHEAD
ST. MARYS, GA**

PROPOSED ACTIVITY: BULKHEAD

Applicant: RODNEY RICE

Date: 8/9/2023

County: CAMDEN

JOB#: 21-1048

DATUM: NAVD88

SCALE: 1/2" = 1'-0"

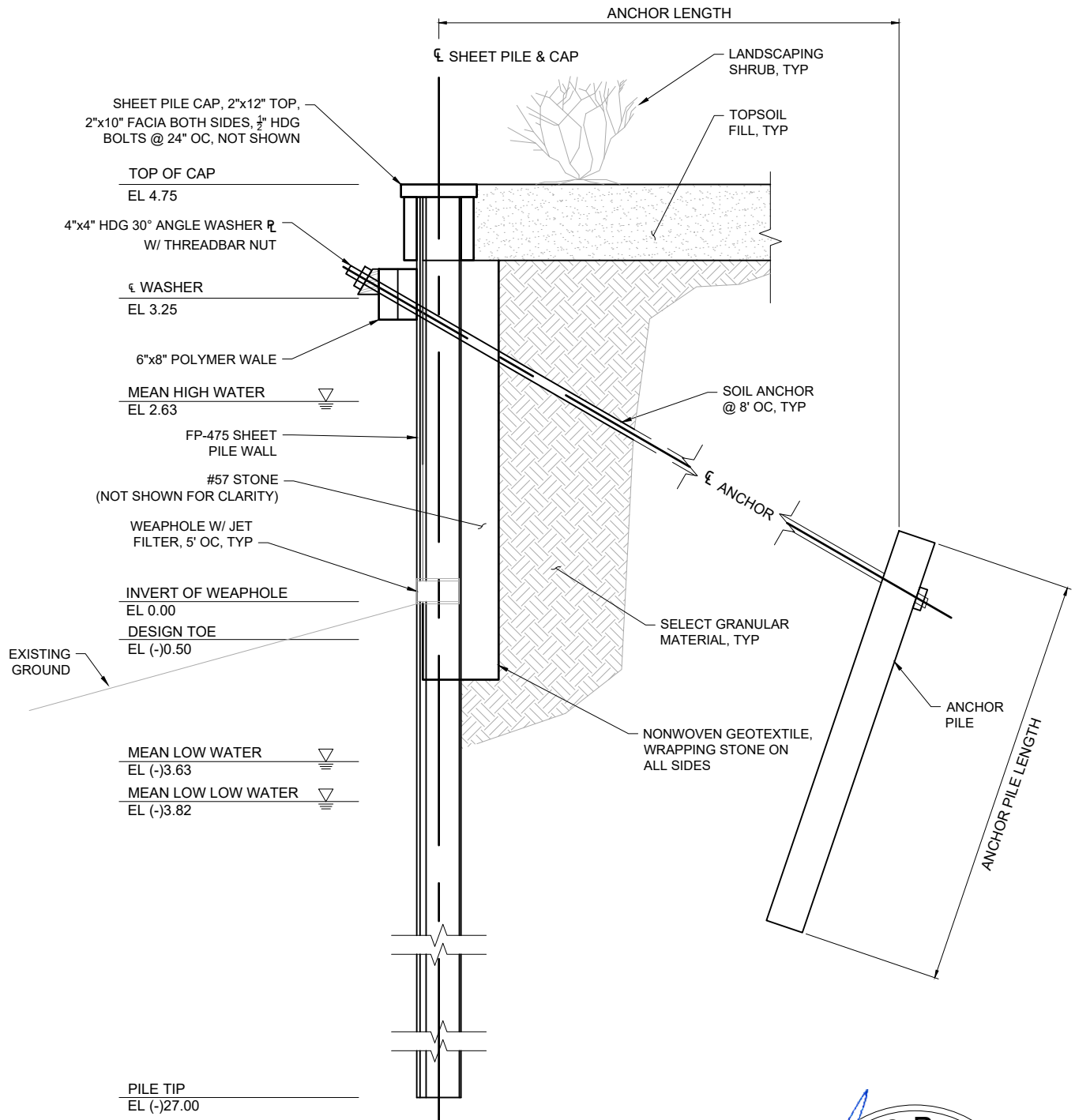
SHEET: 6 of 7



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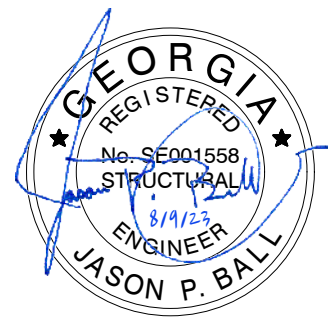
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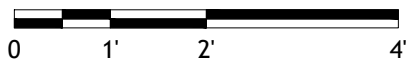


SHEET PILE WALL SECTION

SCALE: 3/8" = 1'-0"



SCALE: 1/2" = 1'-0" (IN FEET)



ALTERNATE BULKHEAD SECTION

**CUMBERLAND HARBOUR
TATNAL LANE BULKHEAD
ST. MARYS, GA**

PROPOSED ACTIVITY: BULKHEAD

Applicant: **RODNEY RICE**

Date: **8/9/2023**

County: **CAMDEN**

JOB#: **21-1048**

DATUM: **NAVD88**

SCALE: **1/2" = 1'-0"**

SHEET: **7 of 7**



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