STATE OF LOUISIANA
COASTAL PROTECTION AND RESTORATION AUTHORITY

LaBRANCHE SHORELINE PROTECTION

STATE PROJECT NO. PO-0194

ST. CHARLES PARISH, LOUISIANA

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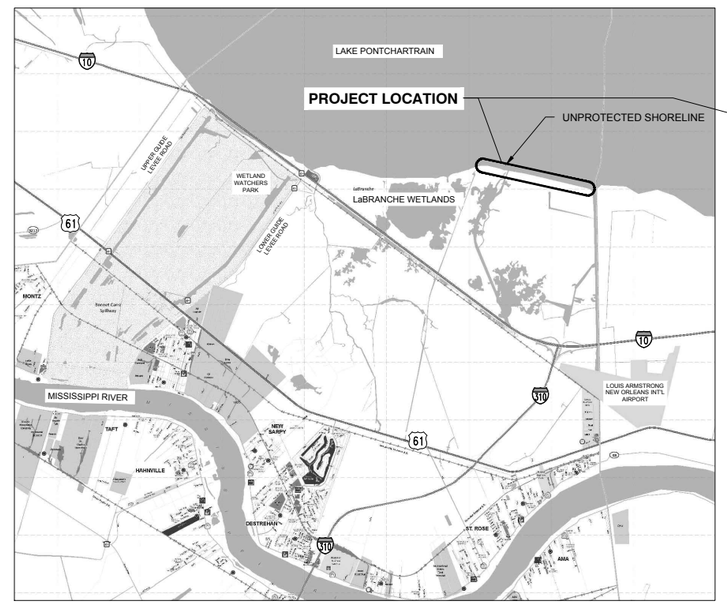

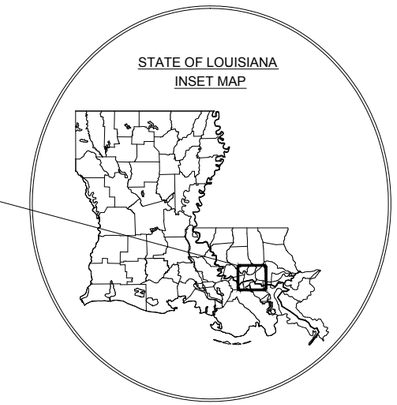

15000' 7500' 0' 15000' 30000'

LICENSURE CLASSIFICATION REQUIREMENTS
MAJOR: HEAVY CONSTRUCTION

ISSUED FOR BID
JULY 2023

REV.	DATE	DESCRIPTION	BY

moffatt & nichol
301 MAIN STREET, SUITE 800,
BATON ROUGE, LA 70801

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

VICINITY MAP

DESIGNED BY: GS
APPROVED BY: CW

LaBRANCHE SHORELINE PROTECTION (PO-0194)

STATE PROJECT NUMBER: PO-0194
DRAWN BY: GE

DATE: 07-04-2023

SHEET 1 OF 34

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SURVEY NOTES

1. BATHYMETRIC, TOPOGRAPHIC, AND MAGNETOMETER SURVEY PERFORMED IN OCTOBER 2021 BY:
   FUGRO USA LAND, INC.
   226 DULLES DR.
   SUITE 110
   LAFAYETTE, LA 70506
   PHONE: (337) 237-1300

2. SURVEY VERTICAL DATUM = NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88-GEOID 12A).

3. SURVEY HORIZONTAL DATUM = STATE PLANE - NORTH AMERICAN DATUM OF 1983 (NAD 83), LA SOUTH ZONE, US SURVEY FEET.

4. CONTOUR INTERVAL SHOWN IS 1 FOOT.

5. ONE CPRA SECONDARY MONUMENT (PO28 SM 02) WAS USED AS HORIZONTAL AND VERTICAL SURVEY CONTROL FOR DESIGN SURVEYS. AN ADDITIONAL TEMPORARY BENCHMARK WAS USED (TB-100). THE LOCATIONS AND ELEVATIONS OF THE MONUMENT AND BENCHMARK IS PROVIDED BELOW.

NAME	NORTHING	EASTING	ELEV
PO28 SM 02	564910.749	3604504.858	2.428
TB-100	564412.739	3614392.550	3.368

ACCESS & FLOTATION CHANNEL EXCAVATION NOTES

1. EXCAVATION DEPTHS AND LIMITS SHOWN ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET CURRENT FIELD CONDITIONS AND CONSTRUCTION REQUIREMENTS.

2. THE CONTRACTOR SHALL PERFORM A MAGNETOMETER SURVEY OF THE ACCESS AND FLOTATION CHANNEL PRIOR TO ANY DREDGING ACTIVITIES.

3. EXCAVATION LIMITS AND TEMPORARY MATERIAL STOCKPILE SHALL BE CONTAINED WITHIN THE LIMITS SHOWN.

4. DREDGING
   4a. ESTIMATED DREDGE VOLUME FOR FLOTATION AND ACCESS CHANNEL IS 180,500 CY (TO ELEV. -6') (NAVD 88).

5. VESSEL DRAFTS SHALL BE LIMITED TO 6 FEET.

6. QUANTITIES AND AREAS SHOWN ON THE PLANS ARE BASED ON CONDITIONS AS SURVEYED.

7. CONTRACTOR SHALL AVOID PLACING EXCAVATED MATERIAL DIRECTLY OVER MAGNETOMETER TARGETS SITUATED WITHIN THE DREDGE MATERIAL STOCKPILE AREAS (UNLESS THE CONTRACTOR THROUGH THEIR REQUIRED PRE-CONSTRUCTION SURVEY DETERMINES THE ANOMALY IS OF NO SIGNIFICANCE OR THE AMPLITUDE IS BELOW FIFTY (50) GAMMAS).

CONSTRUCTION NOTES

1. ROCK SHORELINE PROTECTION STRUCTURE LIMITS SHOWN ARE APPROXIMATE AND MAY BE ADJUSTED BY THE ENGINEER TO MEET CURRENT FIELD CONDITIONS AND CONSTRUCTION REQUIREMENTS.

2. ROCK
   2a. ESTIMATED NEATLINE ROCK VOLUME FOR ROCK ARMOR LAYER IS 46,000 CY.

3. ACCESS AND FLOTATION CHANNEL SHALL BE BACKFILLED PRIOR TO DEMOBILIZATION. IF MATERIAL EXCAVATED FROM THE FLOTATION CHANNEL IS PLACED IN THE BENEFICIAL USE AREA, CONTRACTOR IS NOT REQUIRED TO BACKFILL THIS MATERIAL.

4. ALL CONSTRUCTION ACTIVITIES SHALL BE PERFORMED FROM THE WATER.

5. QUANTITIES AND AREAS SHOWN ON THE PLANS ARE BASED ON CONDITIONS AS SURVEYED.

6. EXTENTS OF SHORELINE PROTECTION STRUCTURE SHALL BE STAKED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.

NOTIFICATION

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE FOLLOWING PIPELINE AND UTILITY OPERATORS AT LEAST 14 WORKING DAYS IN ADVANCE OF THE WORK. THE CONTRACTOR SHALL CONTACT LOUISIANA ONE CALL AT 1-800-272-3020 14 DAYS PRIOR TO ANY EXCAVATION AND/OR DREDGING TO LOCATE ALL PIPELINES OR UTILITIES.

   GULF SOUTH PIPELINE COMPANY, LLC
   CONTACT: BRENT DHUET
   PHONE: (985) 804-2524

2. THE CONTRACTOR SHALL NOTIFY THE LANDOWNER LISTED BELOW AT LEAST FIVE (5) WORKING DAYS PRIOR TO PERFORMING THE WORK.

   ST. CHARLES LAND CO. II, LLC
   CONTACT: CHARLES LACINAK, JR.
   PHONE: (504) 523-3341

   CONTACT CPRA LAND RIGHTS AT (225) 342-4744 FOR ALTERNATIVE MEANS OF LANDOWNER NOTIFICATION IF NECESSARY.

3. THE CONTRACTOR SHALL REFER TO SECTION GP-8 AND SP-7 OF THE SPECIFICATIONS FOR DEVELOPMENT OF THE WORK PLAN SUBMITTAL. REQUESTS FOR MODIFICATIONS TO THE ACCESS CORRIDORS SHALL BE INCLUDED AS PART OF THE WORK PLAN AND ARE SUBJECT TO APPROVAL BY THE ENGINEER.

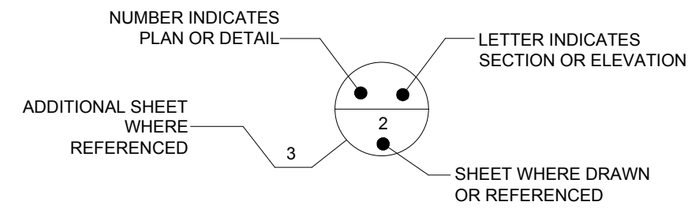
4. THE CONTRACTOR SHALL ADHERE TO THE MOST CURRENT PUBLICATIONS OF "RECOMMENDED BEST PRACTICES GUIDE FOR SAFE DREDGING NEAR UNDERWATER GAS & HAZARDOUS LIQUID PIPELINES", WWW.CDMCS.ORG, AND "WORKING SAFELY NEAR UNDERWATER PIPELINES", WWW.CAMOGROUP.ORG.

LEGEND

- FLOTATION / ACCESS CHANNEL EXCAVATION
- DREDGE MATERIAL STOCKPILE
- TEMPORARY WARNING SIGN
- SHORELINE PROTECTION STRUCTURE
- MAGNETOMETER TARGET
- BENEFICIAL USE AREA
- SUBMERGED OBSTRUCTION

STATE OF LOUISIANA
L. CHRISTOPHER WILLIAMS
REG. No. 28579
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

SECTION AND DETAIL SYMBOL



REV.	DATE	DESCRIPTION	BY

moffatt & nichol
301 MAIN STREET, SUITE 800,
BATON ROUGE, LA 70801

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

GENERAL NOTES

DESIGNED BY: GS
APPROVED BY: CW
DRAWN BY: GE

LaBRANCHE SHORELINE PROTECTION (PO-0194)

STATE PROJECT NUMBER:

DATE: 07-04-2023

SHEET 2 OF 34

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SUMMARY OF ESTIMATED QUANTITIES

BASE BID (SEE NOTE 1)			
ITEM No.	DESCRIPTION	UNITS	QUANTITY
1	MOBILIZATION AND DEMOBILIZATION (TS-100)	LS	1
2	CONSTRUCTION SURVEYING (TS-200)	LS	1
3	ACCESS AND FLOTATION CHANNEL EXCAVATION (TS-360)	LS	1
4	GEOGRID COMPOSITE (TS-500)	SY	62,250
5	ENCAPSULATED LIGHTWEIGHT AGGREGATE (TS-600)	CY	11,700
6	ROCK ARMOR LAYER (LADOTD 440 LB CLASS ROCK)(TS-700)	TON	94,600
7	TEMPORARY WARNING SIGNS (TS-820)	EA	21

ALTERNATE #1 (SEE NOTE 1)			
ITEM No.	DESCRIPTION	UNITS	QUANTITY
2A	CONSTRUCTION SURVEYING (TS-200)	LS	1
3A	ACCESS AND FLOTATION CHANNEL EXCAVATION (TS-360)	LS	1
4A	GEOGRID COMPOSITE (TS-500)	SY	6,000
5A	ENCAPSULATED LIGHTWEIGHT AGGREGATE (TS-600)	CY	1,100
6A	ROCK ARMOR LAYER (LADOTD 440 LB CLASS ROCK)(TS-700)	TON	2,700
7A	TEMPORARY WARNING SIGNS (TS-820)	EA	2

ALTERNATE #2 (SEE NOTE 1)			
ITEM No.	DESCRIPTION	UNITS	QUANTITY
2B	CONSTRUCTION SURVEYING (TS-200)	LS	1
3B	ACCESS AND FLOTATION CHANNEL EXCAVATION (TS-360)	LS	1
4B	GEOGRID COMPOSITE (TS-500)	SY	6,750
5B	ENCAPSULATED LIGHTWEIGHT AGGREGATE (TS-600)	CY	900
6B	ROCK ARMOR LAYER (LADOTD 440 LB CLASS ROCK)(TS-700)	TON	7,700
7B	TEMPORARY WARNING SIGNS (TS-820)	EA	1

1. ALL QUANTITIES SHOWN ARE FOR BIDDING PURPOSES ONLY AND CALCULATED ACCORDING TO CONDITIONS AT THE TIME OF THE APPLICABLE SURVEYS AND DESIGN. THE OWNER RESERVES THE RIGHT TO ADJUST THE QUANTITIES BY ± 25% WITHOUT ADJUSTMENT OF THE UNIT PRICE.

STATE OF LOUISIANA
L. CHRISTOPHER WILLIAMS
REG. No. 28579
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

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moffatt & nichol
301 MAIN STREET, SUITE 800,
BATON ROUGE, LA 70801

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

SUMMARY OF ESTIMATED QUANTITIES

DESIGNED BY: GS
APPROVED BY: CW

LaBRANCHE SHORELINE PROTECTION (PO-0194)

STATE PROJECT NUMBER:
DRAWN BY: GE

DATE: 07-04-2023

SHEET 3 OF 34

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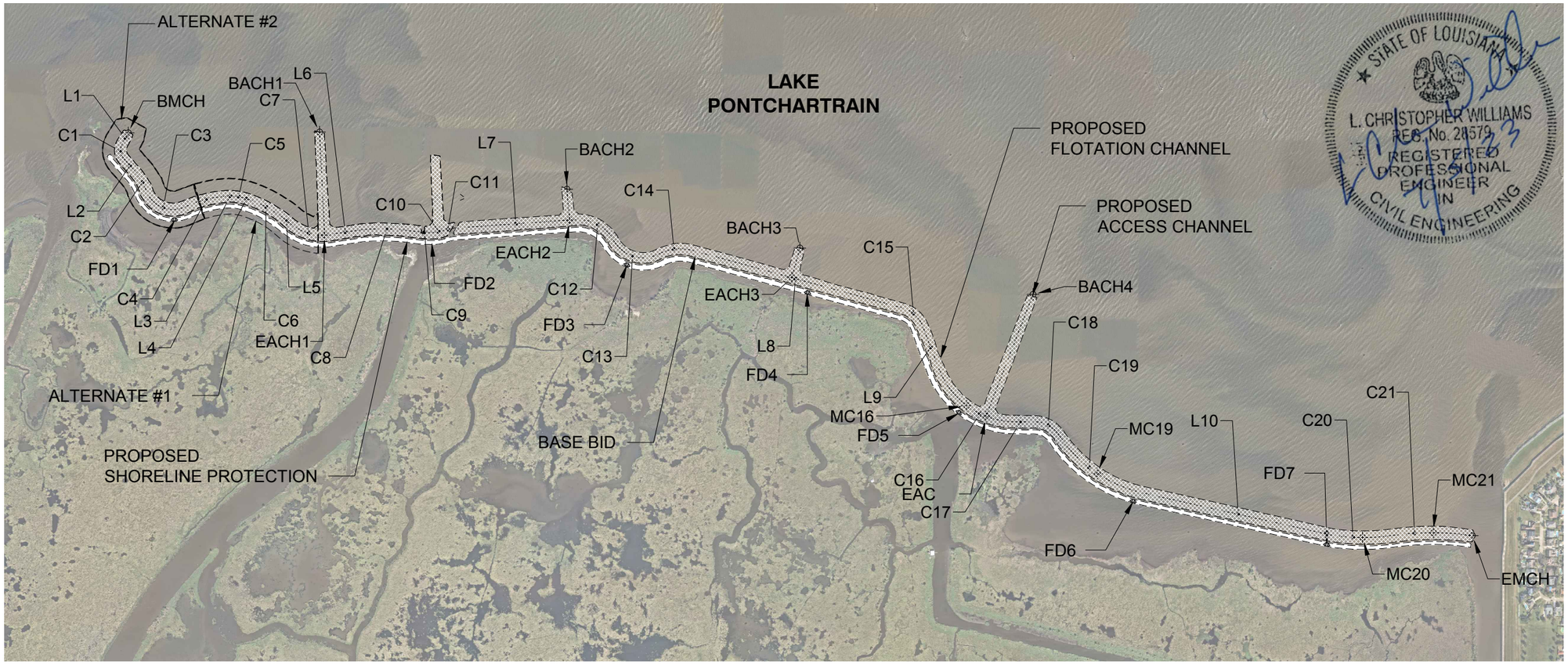

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STATE OF LOUISIANA
L. CHRISTOPHER WILLIAMS
REG. No. 28579
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

COORDINATES TABLE			
NO.	DISTANCE	NORTHING	EASTING
L1	101.61	567,289.947	3,602,756.090
C1	139.52	567,201.132	3,602,706.725
L2	149.85	567,070.910	3,602,720.527
C2	201.44	566,958.102	3,602,819.168
C3	376.60	566,782.334	3,602,914.535
C4	383.60	566,667.367	3,603,234.133
L3	21.10	566,758.703	3,603,604.279
C5	122.84	566,758.100	3,603,625.369
L4	12.43	566,737.311	3,603,746.022
C6	347.99	566,733.487	3,603,757.854
L5	71.33	566,571.562	3,604,063.896
C7	357.03	566,527.790	3,604,120.221
L6	263.89	566,434.246	3,604,453.600
C8	442.60	566,472.973	3,604,714.636
C9	192.14	566,462.440	3,605,156.020

COORDINATES TABLE			
NO.	DISTANCE	NORTHING	EASTING
C11	109.32	566,463.525	3,605,396.828
L7	1040.45	566,487.561	3,605,503.256
C12	355.74	566,560.646	3,606,541.135
C13	448.53	566,396.333	3,606,839.073
C14	276.64	566,267.710	3,607,222.287
L8	1839.49	566,304.845	3,607,490.895
C15	236.07	565,818.836	3,609,265.022
L9	414.72	565,677.406	3,609,443.270
C16	762.76	565,290.089	3,609,591.515
C17	202.02	564,858.199	3,610,173.095
C18	278.86	564,855.823	3,610,375.049
C19	884.27	564,729.144	3,610,608.040
L10	1603.39	564,251.354	3,611,326.506
C20	532.10	563,901.833	3,612,891.341
C21	661.89	563,899.543	3,613,421.514

QUANTITY TABLE		
EXCAVATION	VOLUME	LENGTH ALONG CL
ACCESS CHANNEL	16,500 C.Y.	2,320 FT
FLOTATION CHANNEL	164,000 C.Y.	12,881 FT
FILL	VOLUME	
TEMPORARY FLOTATION CHANNEL STOCKPILE	98,500 C.Y.	16,243 FT
PROPOSED SHORELINE PROTECTION (INCLUDES ROCK + LWA CORE)	59,700 C.Y.	12,815 FT
BENEFICIAL USE	82,000 C.Y.	12,697 FT

THIS TABLE INCLUDES THE TOTAL PROJECT QUANTITES (COMBINATION OF THE BASE BID, ALTERNATE #1, AND ALTERNATE #2). FOR A BREAKDOWN OF THE QUANTITIES, PLEASE SEE SHEET 3 FOR SUMMARY OF ESTIMATED QUANTITIES.

FISH DIP COORDINATE TABLE		
NO.	NORTHING	EASTING
FD1	566,556.176	3,603,143.918
FD2	566,361.608	3,605,314.588
FD3	566,175.684	3,606,956.501
FD4	565,940.754	3,608,479.335
FD5	564,931.154	3,609,752.485
FD6	564,184.449	3,611,222.496
FD7	563,818.097	3,612,853.857

ADDITIONAL MID-POINTS ON CURVES COORDINATE TABLE		
NO.	NORTHING	EASTING
MC16	564,991.552	3,609,820.970
MC19	564,420.648	3,610,920.987
MC20	563,881.105	3,613,156.343
MC21	563,921.313	3,613,751.474

CHANNEL BEGINING & END POINTS COORDINATE TABLE		
NO.	NORTHING	EASTING
BMCH	567,289.947	3,602,756.090
EACH3	566,070.353	3,608,346.887
EMCH	563,896.857	3,614,081.246
BACH4	565,929.956	3,610,379.446
BACH1	567,296.707	3,604,367.484
EACH1	566,429.815	3,604,410.091
BACH2	566,815.501	3,606,451.978
EACH2	566,555.914	3,606,473.945
BACH3	566,319.243	3,608,415.069
EACH4	564,902.189	3,609,982.964

ITEM	EXTENTS (STA.)
BASE BID	21+75 TO 128+81
ALTERNATE #1	11+00 TO 21+75
ALTERNATE #2	0+00 TO 11+00

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moffatt & nichol
301 MAIN STREET, SUITE 800,
BATON ROUGE, LA 70801

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

OVERALL PLAN

DESIGNED BY: GS
APPROVED BY: CW

LaBRANCHE SHORELINE PROTECTION (PO-0194)

STATE PROJECT NUMBER: PO-0194
DRAWN BY: GE

DATE: 07-04-2023

SHEET 4 OF 34

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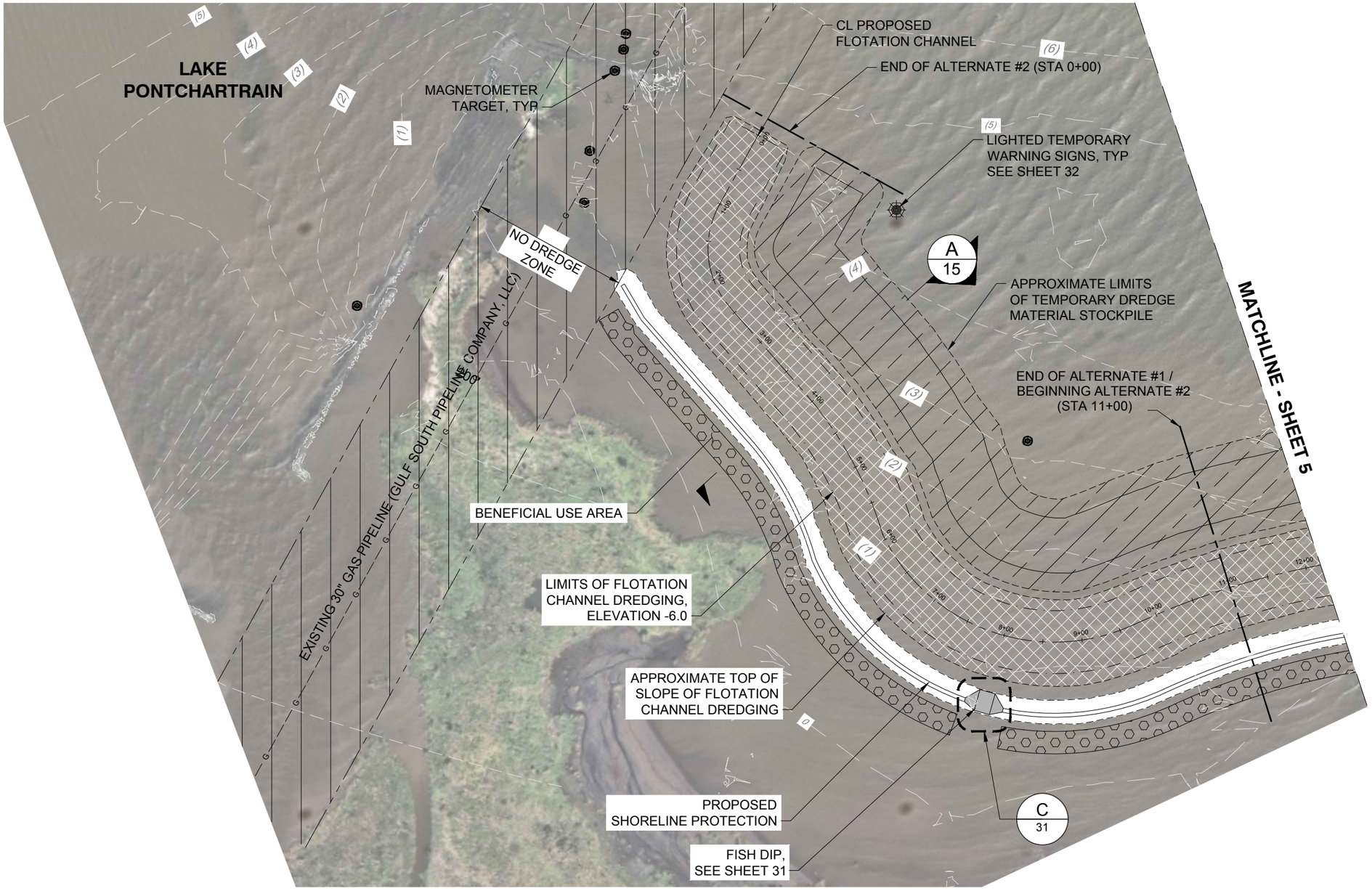

NOTES

1. DREDGE DEPTHS AND LIMITS SHOWN ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET CURRENT FIELD CONDITIONS AND CONSTRUCTION REQUIREMENTS.
2. DREDGE LIMITS AND TEMPORARY MATERIAL STOCKPILE SHALL BE CONTAINED WITHIN THE LIMITS SHOWN.
3. VESSEL DRAFTS SHALL BE LIMITED TO 6 FEET.
4. BENEFICIAL USE MATERIAL SHALL NOT BE PLACED ON ANY EXISTING MARSH OR SHORELINE
5. CONTRACTOR SHALL NOT OPERATE EQUIPMENT OR BARGES OVER THE EXISTING 30" GULF SHOUTH PIPELINE.

STATE OF LOUISIANA
L. CHRISTOPHER WILLIAMS
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301 MAIN STREET, SUITE 800, BATON ROUGE, LA 70801

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PLAN - SHEET 1 OF 10

LaBRANCHE SHORELINE PROTECTION (PO-0194)

STATE PROJECT NUMBER: PO-0194

DESIGNED BY: GS
DRAWN BY: GE
APPROVED BY: CW

DATE: 07-04-2023

SHEET 5 OF 34

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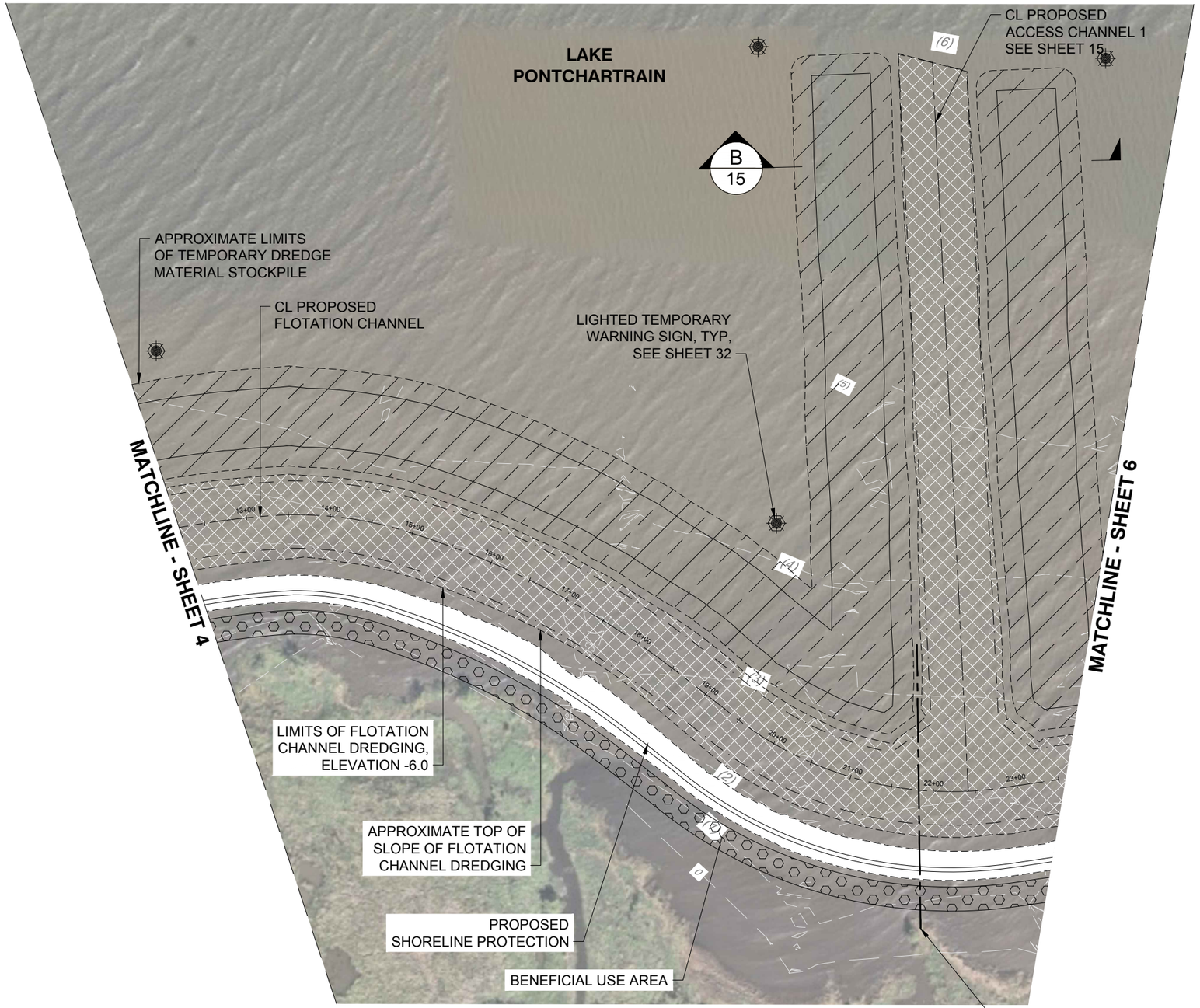

END OF BASE BID/BEGINNING OF ALTERNATE #1 (STA 21+75)

N

70' 0' 70' 140'
SCALE: 1"=140'

STATE OF LOUISIANA
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NOTES

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PLAN - SHEET 2 OF 10

LaBRANCHE SHORELINE PROTECTION (PO-0194)

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DESIGNED BY: GS
DRAWN BY: GE
APPROVED BY: CW

DATE: 07-04-2023

SHEET 6 OF 34

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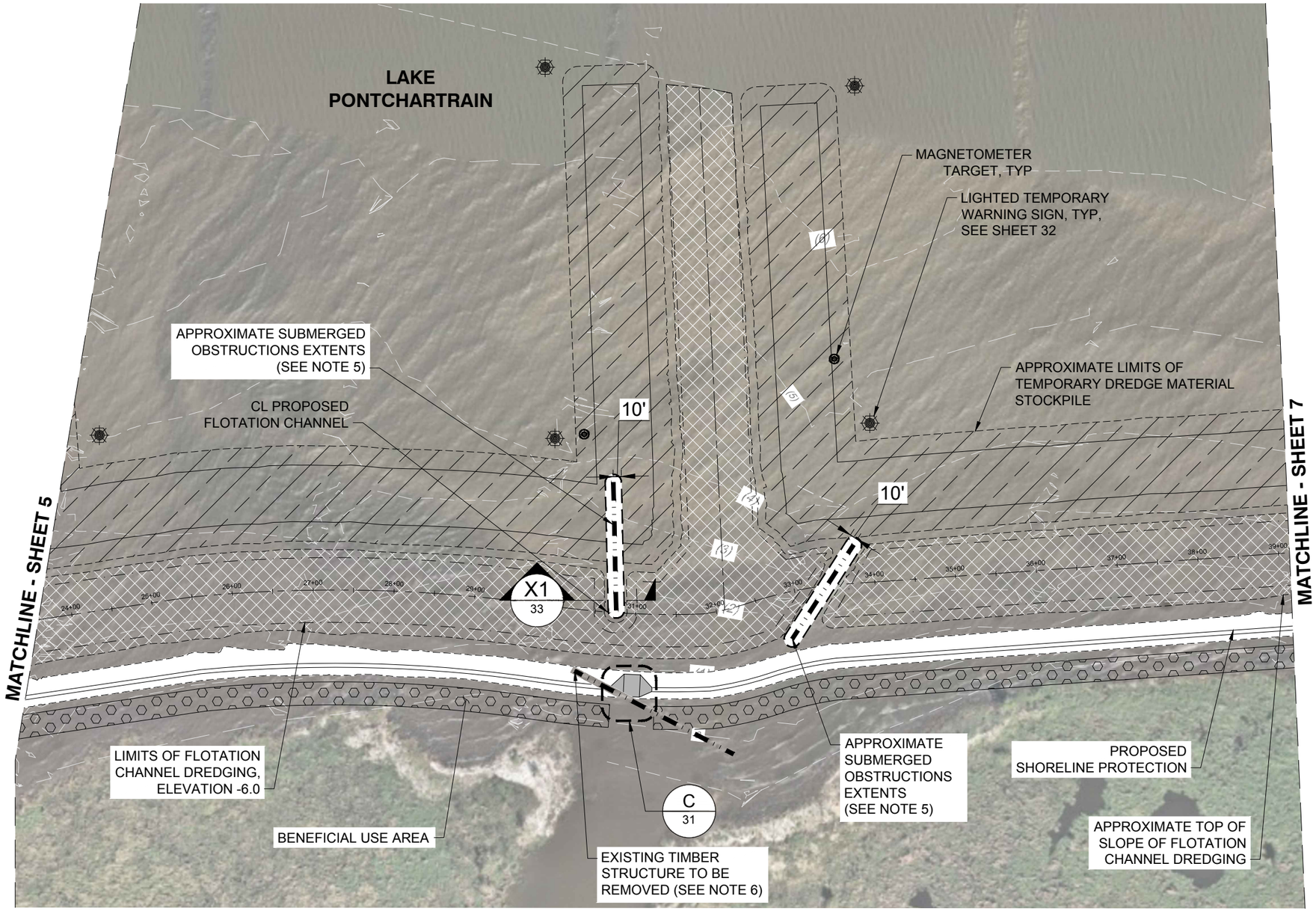

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NOTES

1. DREDGE DEPTHS AND LIMITS SHOWN ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET CURRENT FIELD CONDITIONS AND CONSTRUCTION REQUIREMENTS.
2. DREDGE LIMITS AND TEMPORARY MATERIAL STOCKPILE SHALL BE CONTAINED WITHIN THE LIMITS SHOWN.
3. VESSEL DRAFTS SHALL BE LIMITED TO 6 FEET.
4. BENEFICIAL USE MATERIAL SHALL NOT BE PLACED ON ANY EXISTING MARSH OR SHORELINE.
5. CONTRACTOR TO FIELD VERIFY PRIOR TO EXCAVATION AND ROCK PLACEMENT.
6. CONTRACTOR TO CUT EXISTING TIMBER STRUCTURE AT MUDLINE. REMOVAL EXTENTS ONLY REQUIRED WITHIN PROJECT FEATURES LIMITS.
7. CONTRACTOR SHALL AVOID PLACING EXCAVATED MATERIAL DIRECTLY OVER MAGNETOMETER TARGETS SITUATED WITHIN THE DREDGE MATERIAL STOCKPILE AREAS (UNLESS THE CONTRACTOR THROUGH THEIR REQUIRED PRE-CONSTRUCTION SURVEY DETERMINES THE ANOMALY IS OF NO SIGNIFICANCE OR THE AMPLITUDE IS BELOW FIFTY (50) GAMMAS).

70' 0' 70' 140'
SCALE: 1"=140'

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PLAN - SHEET 3 OF 10

DESIGNED BY: GS
APPROVED BY: CW

LaBRANCHE SHORELINE PROTECTION (PO-0194)

STATE PROJECT NUMBER: PO-0194
DRAWN BY: GE

DATE: 07-04-2023

SHEET 7 OF 34

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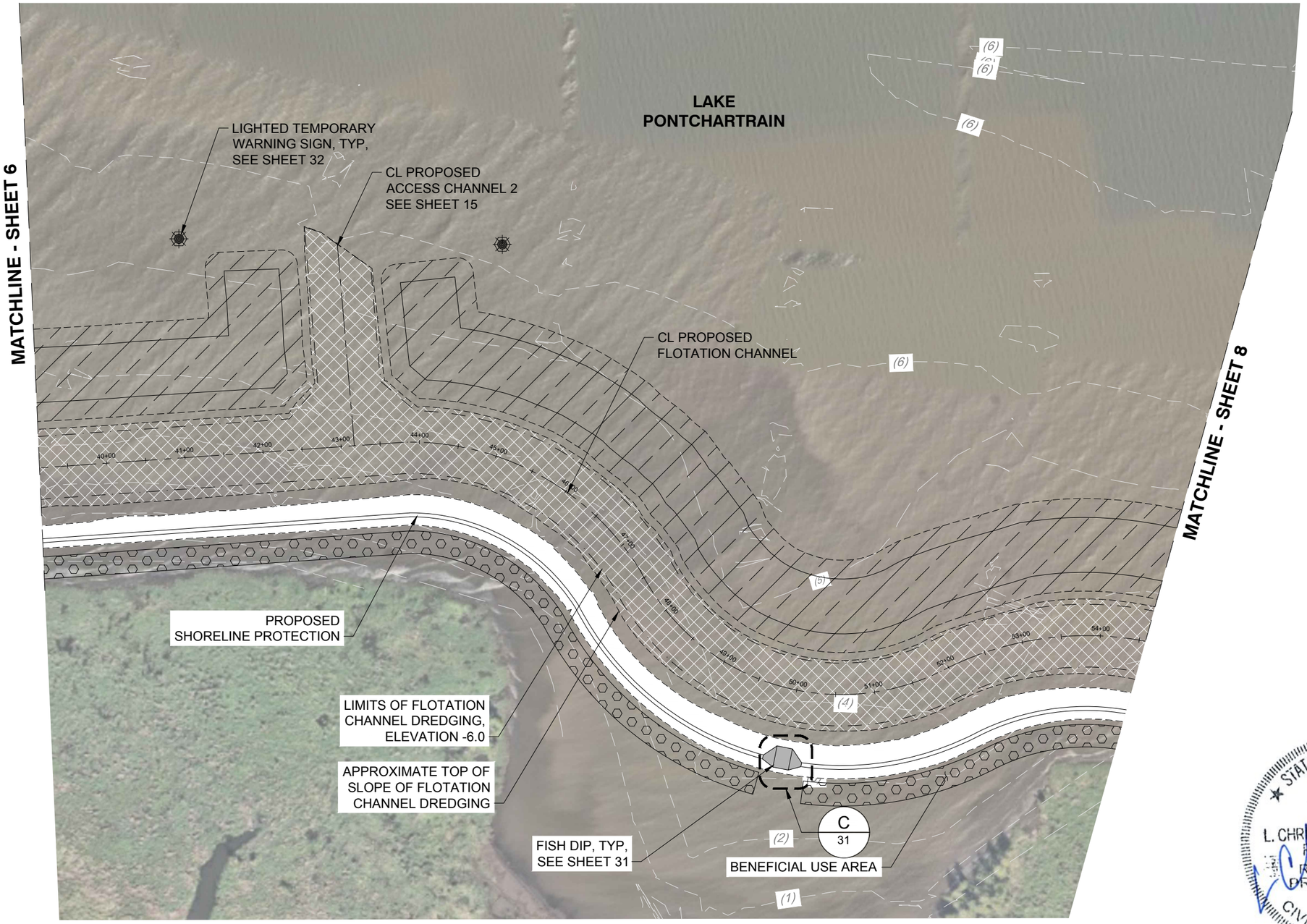

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NOTES

1. DREDGE DEPTHS AND LIMITS SHOWN ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET CURRENT FIELD CONDITIONS AND CONSTRUCTION REQUIREMENTS.
2. DREDGE LIMITS AND TEMPORARY MATERIAL STOCKPILE SHALL BE CONTAINED WITHIN THE LIMITS SHOWN.
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70' 0' 70' 140'
SCALE: 1"=140'

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150 TERRACE AVENUE
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PLAN - SHEET 4 OF 10

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LaBRANCHE SHORELINE PROTECTION (PO-0194)

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DATE: 07-04-2023

SHEET 9 OF 34

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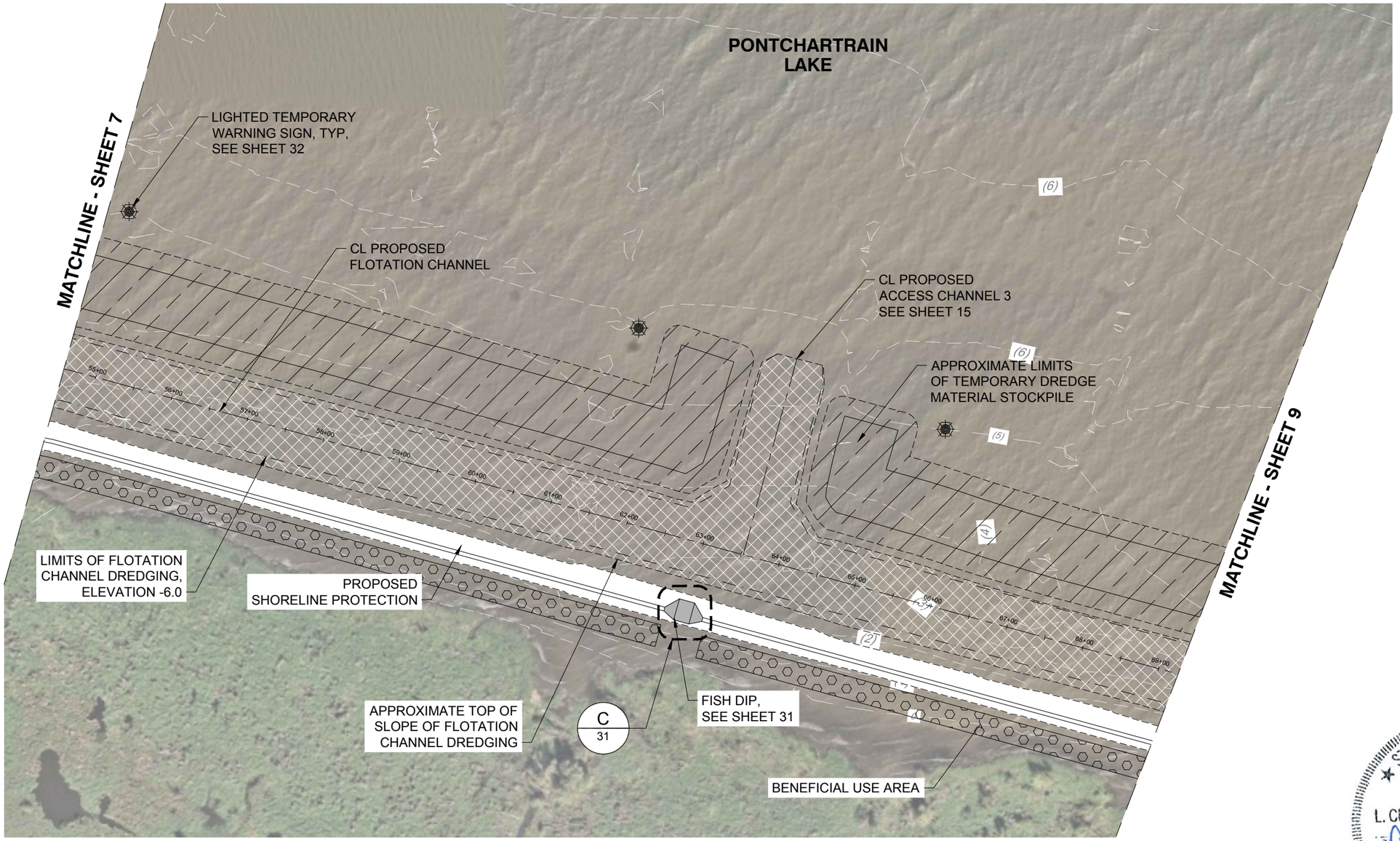


N

NOTES

1. DREDGE DEPTHS AND LIMITS SHOWN ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET CURRENT FIELD CONDITIONS AND CONSTRUCTION REQUIREMENTS.
2. DREDGE LIMITS AND TEMPORARY MATERIAL STOCKPILE SHALL BE CONTAINED WITHIN THE LIMITS SHOWN.
3. VESSEL DRAFTS SHALL BE LIMITED TO 6 FEET.
4. BENEFICIAL USE MATERIAL SHALL NOT BE PLACED ON ANY EXISTING MARSH OR SHORELINE.

STATE OF LOUISIANA
L. CHRISTOPHER WILLIAMS
REG. No. 28579
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

70' 0' 70' 140'
SCALE: 1"=140'

REV.	DATE	DESCRIPTION	BY

moffatt & nichol
301 MAIN STREET, SUITE 800,
BATON ROUGE, LA 70801

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

PLAN - SHEET 5 OF 10

DESIGNED BY: GS
APPROVED BY: CW

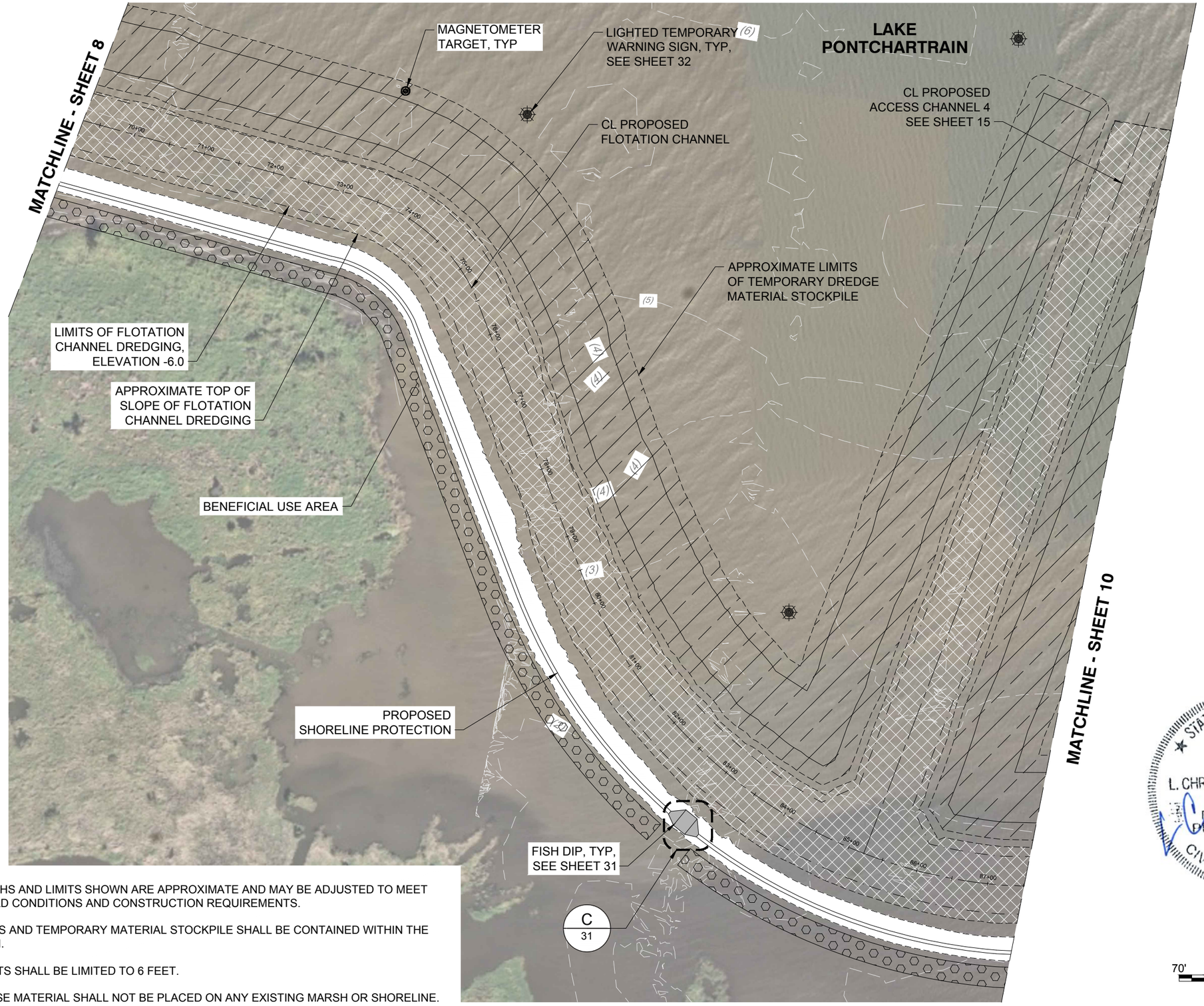
LaBRANCHE SHORELINE PROTECTION (PO-0194)

STATE PROJECT NUMBER: PO-0194
DRAWN BY: GE

DATE: 07-04-2023

SHEET 10 OF 34

File: Q:\BR\212247\20 CADD_Active_Construction-SP\PO-0194_009 ; Plotted: 7/5/2023 12:29 PM by DURAN, JESUS ; Saved: 5/4/2023 2:38 PM by GESPINO



N

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STATE OF LOUISIANA
L. CHRISTOPHER WILLIAMS
REG. No. 28579
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

70' 0' 70' 140'
SCALE: 1"=140'

REV.	DATE	DESCRIPTION	BY

moffatt & nichol
301 MAIN STREET, SUITE 800,
BATON ROUGE, LA 70801

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

PLAN - SHEET 6 OF 10

DESIGNED BY: GS
APPROVED BY: CW

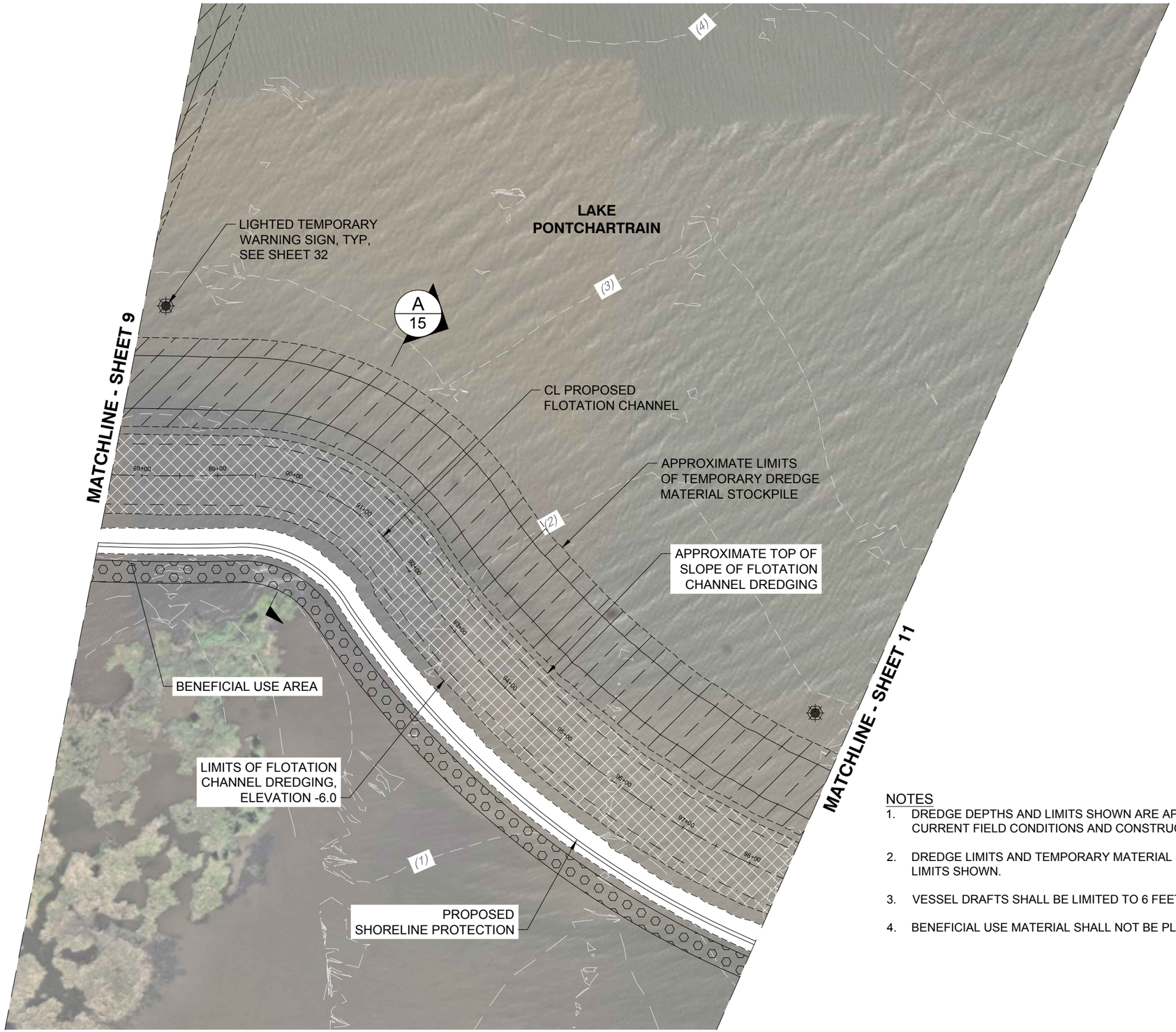
LaBRANCHE SHORELINE PROTECTION (PO-0194)

STATE PROJECT NUMBER: PO-0194
DRAWN BY: GE

DATE: 07-04-2023

SHEET 10 OF 34

File: Q:\BR\212247\20 CADD_Active_Construction-SP\PO-0194_010 ; Plotted: 7/5/2023 12:29 PM by DURAN, JESUS ; Saved: 5/4/2023 2:38 PM by CLUO



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STATE OF LOUISIANA
L. CHRISTOPHER WILLIAMS
REG. No. 28579
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

NOTES

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70' 0' 70' 140'
SCALE: 1"=140'

REV.	DATE	DESCRIPTION	BY

moffatt & nichol
301 MAIN STREET, SUITE 800,
BATON ROUGE, LA 70801

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

PLAN - SHEET 7 OF 10

DESIGNED BY: GS
APPROVED BY: CW

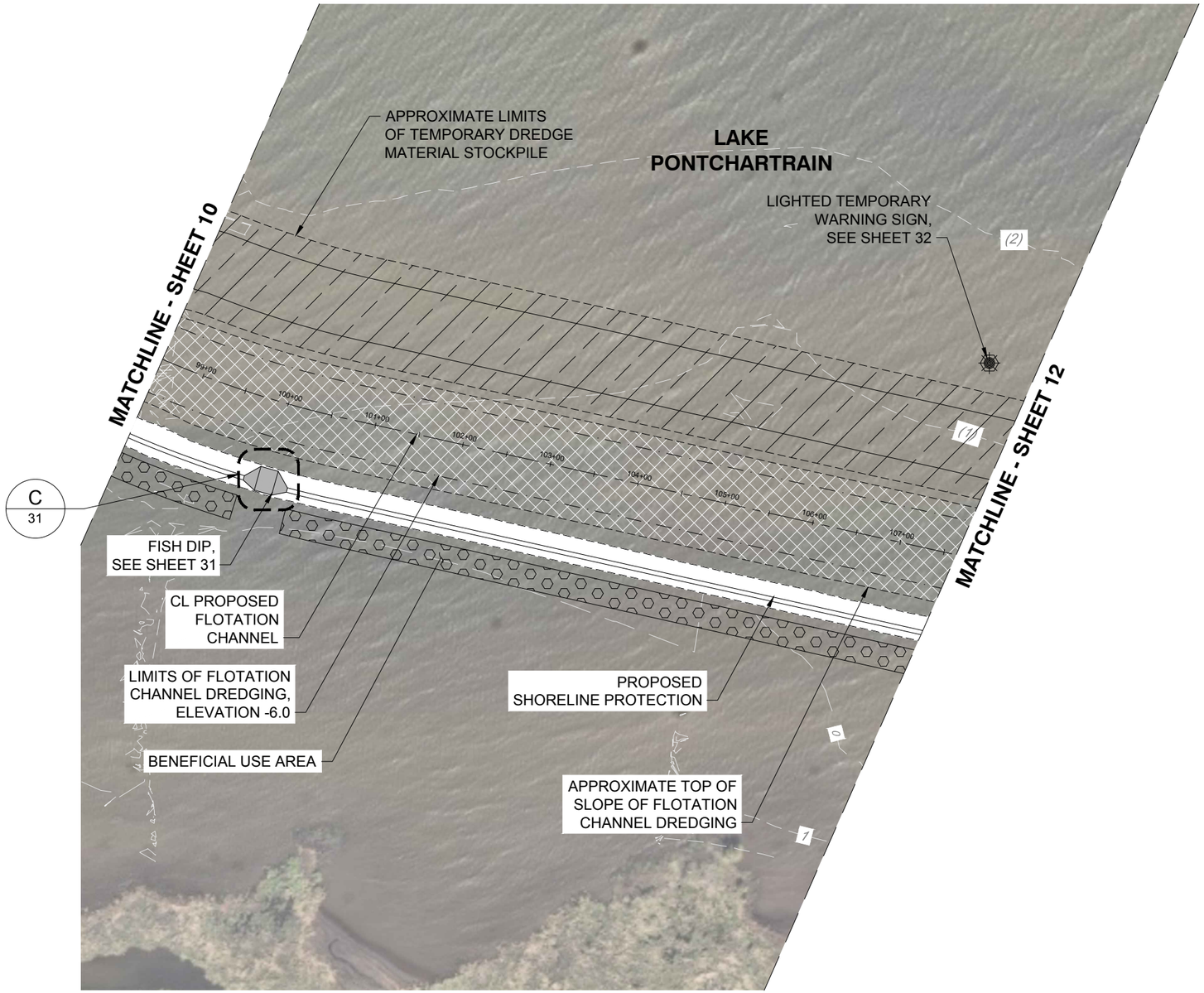
LaBRANCHE
SHORELINE PROTECTION
(PO-0194)

STATE PROJECT NUMBER: PO-0194
DRAWN BY: GE

DATE: 07-04-2023

SHEET 11 OF 34

File: Q:\BR\212247\20 CADD_Active_Construction-SP\PO-0194_011 ; Plotted: 7/5/2023 12:29 PM by DURAN, JESUS ; Saved: 5/4/2023 2:38 PM by CLUO



N

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STATE OF LOUISIANA
L. CHRISTOPHER WILLIAMS
REG. No. 28579
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

70' 0' 70' 140'
SCALE: 1"=140'

REV.	DATE	DESCRIPTION	BY

moffatt & nichol
301 MAIN STREET, SUITE 800,
BATON ROUGE, LA 70801

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

PLAN - SHEET 8 OF 10

DESIGNED BY: GS
APPROVED BY: CW

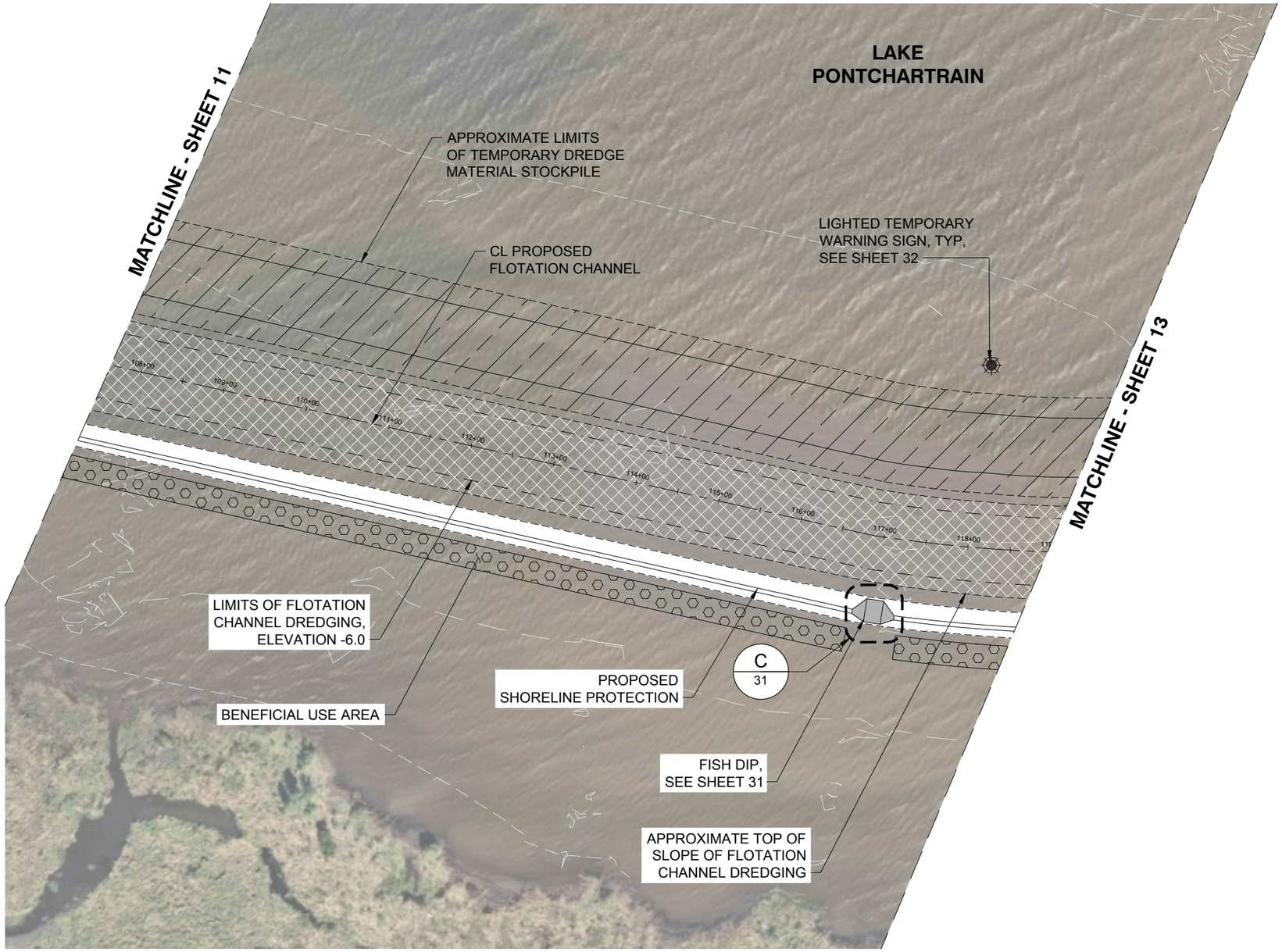
LaBRANCHE SHORELINE PROTECTION (PO-0194)

STATE PROJECT NUMBER: PO-0194
DRAWN BY: GE

DATE: 07-04-2023

SHEET 12 OF 34

File: Q:\BR\212247\20 CADD_Active_Construction-SP\PO-0194_012 ; Plotted: 7/5/2023 12:29 PM by DURAN, JESUS ; Saved: 5/4/2023 2:38 PM by GESPINO



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STATE OF LOUISIANA
L. CHRISTOPHER WILLIAMS
REG. No. 28579
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70' 0' 70' 140'
SCALE: 1"=140'

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moffatt & nichol
301 MAIN STREET, SUITE 800,
BATON ROUGE, LA 70801

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

PLAN - SHEET 9 OF 10

DESIGNED BY: GS
APPROVED BY: CW

LaBRANCHE SHORELINE PROTECTION (PO-0194)

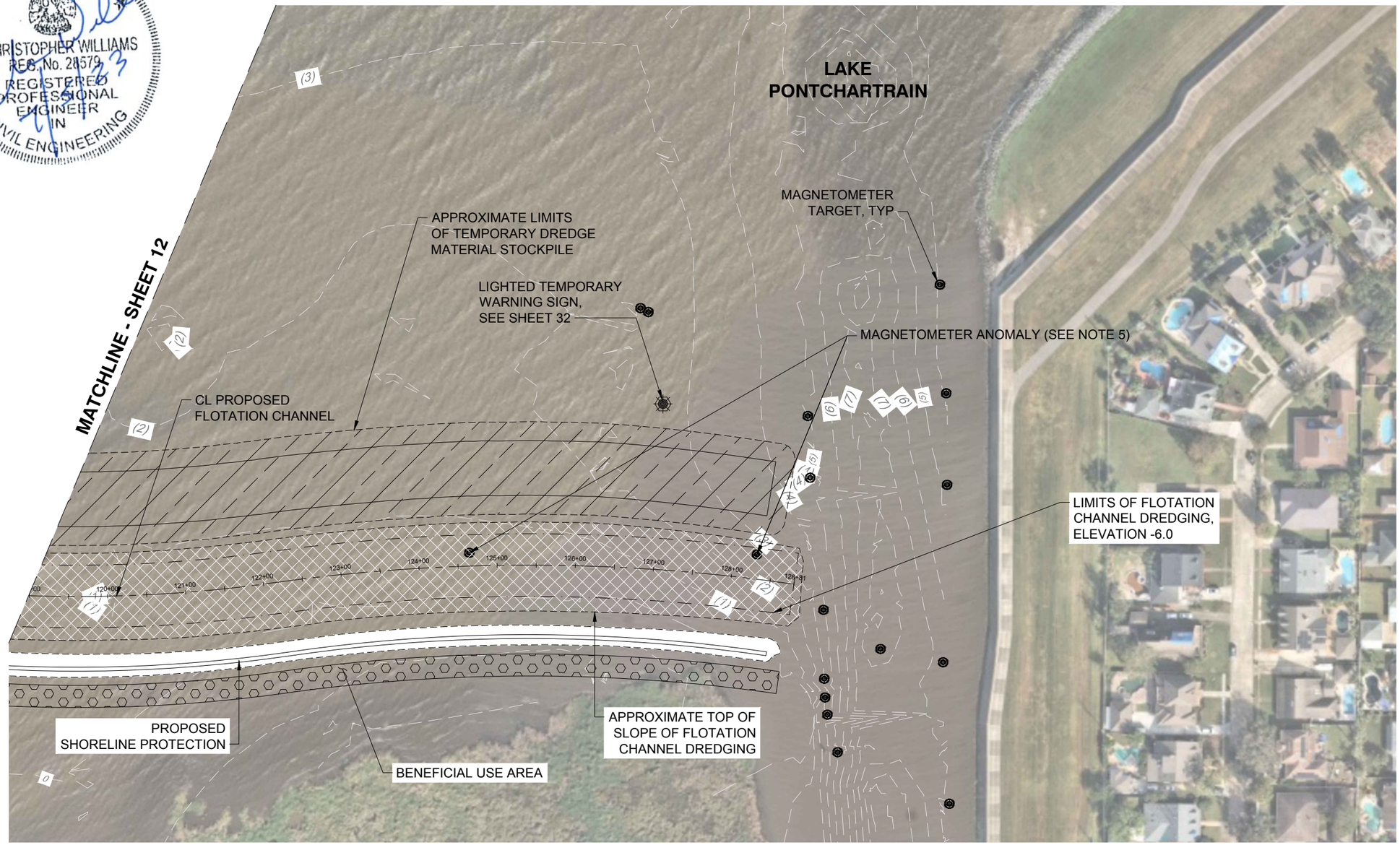
STATE PROJECT NUMBER: PO-0194
DRAWN BY: GE

DATE: 07-04-2023

SHEET 13 OF 34

File: Q:\BR\212247\20 CADD_Active_Construction-SP\PO-0194_013 ; Plotted: 7/5/2023 12:30 PM by DURAN, JESUS ; Saved: 6/16/2023 11:31 AM by HGARCIA

STATE OF LOUISIANA
L. CHRISTOPHER WILLIAMS
REG. No. 28579
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING



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2. DREDGE LIMITS AND TEMPORARY MATERIAL STOCKPILE SHALL BE CONTAINED WITHIN THE LIMITS SHOWN.
3. VESSEL DRAFTS SHALL BE LIMITED TO 6 FEET.
4. BENEFICIAL USE MATERIAL SHALL NOT BE PLACED ON ANY EXISTING MARSH OR SHORELINE.
5. CONTRACTOR SHALL AVOID EXCAVATING MATERIAL DIRECTLY OVER MAGNETOMETER TARGETS SITUATED WITHIN THE FLOTATION ACCESS CHANNELS (UNLESS THE CONTRACTOR THROUGH THEIR REQUIRED PRE-CONSTRUCTION SURVEY DETERMINES THE ANOMALY IS OF NO SIGNIFICANCE OR THE AMPLITUDE IS BELOW FIFTY (50) GAMMAS).

70' 0' 70' 140'
SCALE: 1"=140'

REV.	DATE	DESCRIPTION	BY

moffatt & nichol
301 MAIN STREET, SUITE 800,
BATON ROUGE, LA 70801

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

PLAN - SHEET 10 OF 10

DESIGNED BY: GS
APPROVED BY: CW

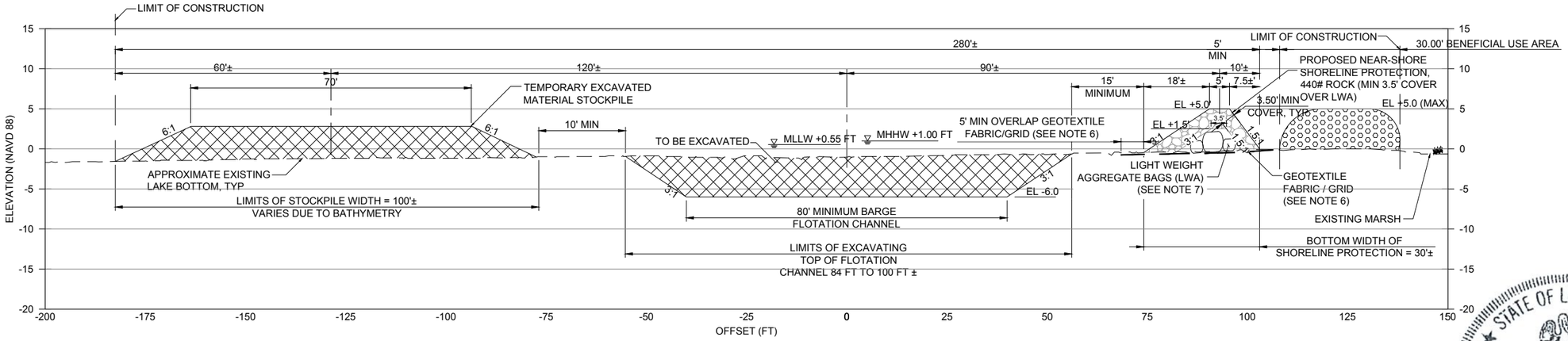
LaBRANCHE SHORELINE PROTECTION (PO-0194)

STATE PROJECT NUMBER: PO-0194
DRAWN BY: GE

DATE: 07-04-2023

SHEET 14 OF 34

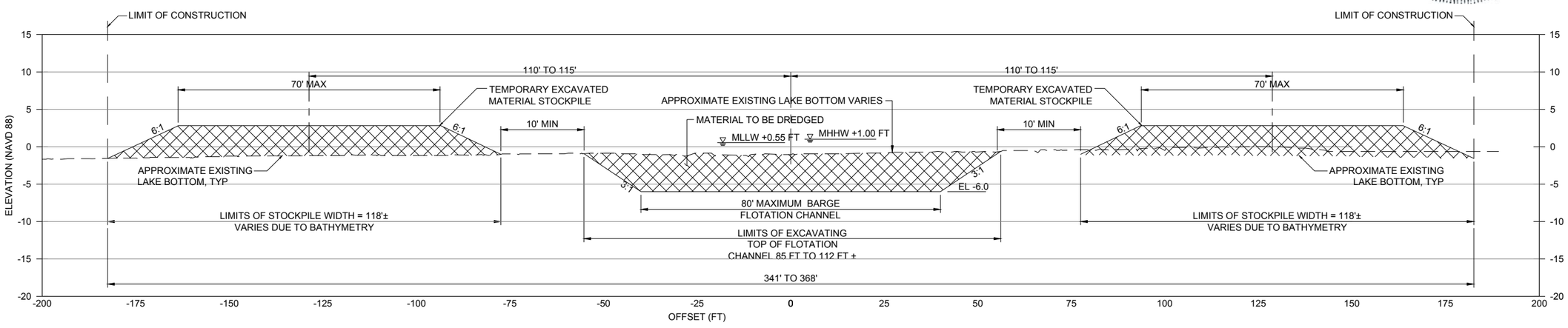
File: Q:\BR\212247\20 CADD_Active_Construction-SP\PO-0194_014 ; Plotted: 7/5/2023 12:30 PM by DURAN, JESUS ; Saved: 6/28/2023 11:17 AM by JDURAN



A
4 TO 13

BREAKWATER, FLOTATION CHANNEL AND BENEFICIAL AREA - NEAR SHORE TYPICAL SECTION

HORZ SCALE: 1"=30' / VERT SCALE: 1"=15'



B
5

ACCESS CHANNEL - TYPICAL SECTION

HORZ SCALE: 1"=30' / VERT SCALE: 1"=15'

NOTES

1. ELEVATIONS SHOWN REFERENCE NAVD 88.
2. THE CONTRACTOR SHALL PERFORM A MAGNETOMETER SURVEY OF THE ACCESS AND FLOTATION CHANNEL PRIOR TO ANY DREDGING ACTIVITIES.
3. QUANTITIES AND AREAS SHOWN ON THE PLANS ARE BASED ON CONDITIONS AS SURVEYED, SEE SHEET 2 FOR ADDITIONAL SURVEY INFORMATION.
4. VESSEL DRAFTS SHALL BE LIMITED TO 6 FEET.
5. MATERIAL THAT IS EXCAVATED FROM WITHIN THE FLOTATION ACCESS CHANNEL TEMPLATE OF AND PLACED WITHIN TEMPORARY EXCAVATION MATERIAL STOCKPILE AREAS SHALL BE BACKFILLED. MATERIAL THAT IS PLACED WITHIN BENEFICIAL USE AREAS MAY REMAIN IN PLACE. CONTRACTOR SHALL ENSURE MATERIAL DOES NOT MIGRATE OUTSIDE OF THE INTENDED PLACEMENT LOCATION LIMITS. SEE SECTION TS-360 OF THE TECHNICAL SPECIFICATIONS FOR MORE INFORMATION.
6. GEOTEXTILE FRABRIC/GRID OVERLAP TO BE TUCKED BACK INTO BREAKWATER AND STABILIZED BY ROCKS.
7. CONTRACTOR MAY USE VARIOUS LWA BAG SIZES TO CONSTRUCT THE LWA CORE TEMPLATE.

7'-6" 0' 7'-6" 15
VERT SCALE: 1"=15'
15' 0' 15' 30'
HORZ SCALE: 1"=30'

STATE OF LOUISIANA
L. CHRISTOPHER WILLIAMS
REG. No. 28579
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

REV.	DATE	DESCRIPTION	BY

moffatt & nichol
301 MAIN STREET, SUITE 800, BATON ROUGE, LA 70801

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

TYPICAL SECTIONS

DESIGNED BY: GS
APPROVED BY: CW
DRAWN BY: GE

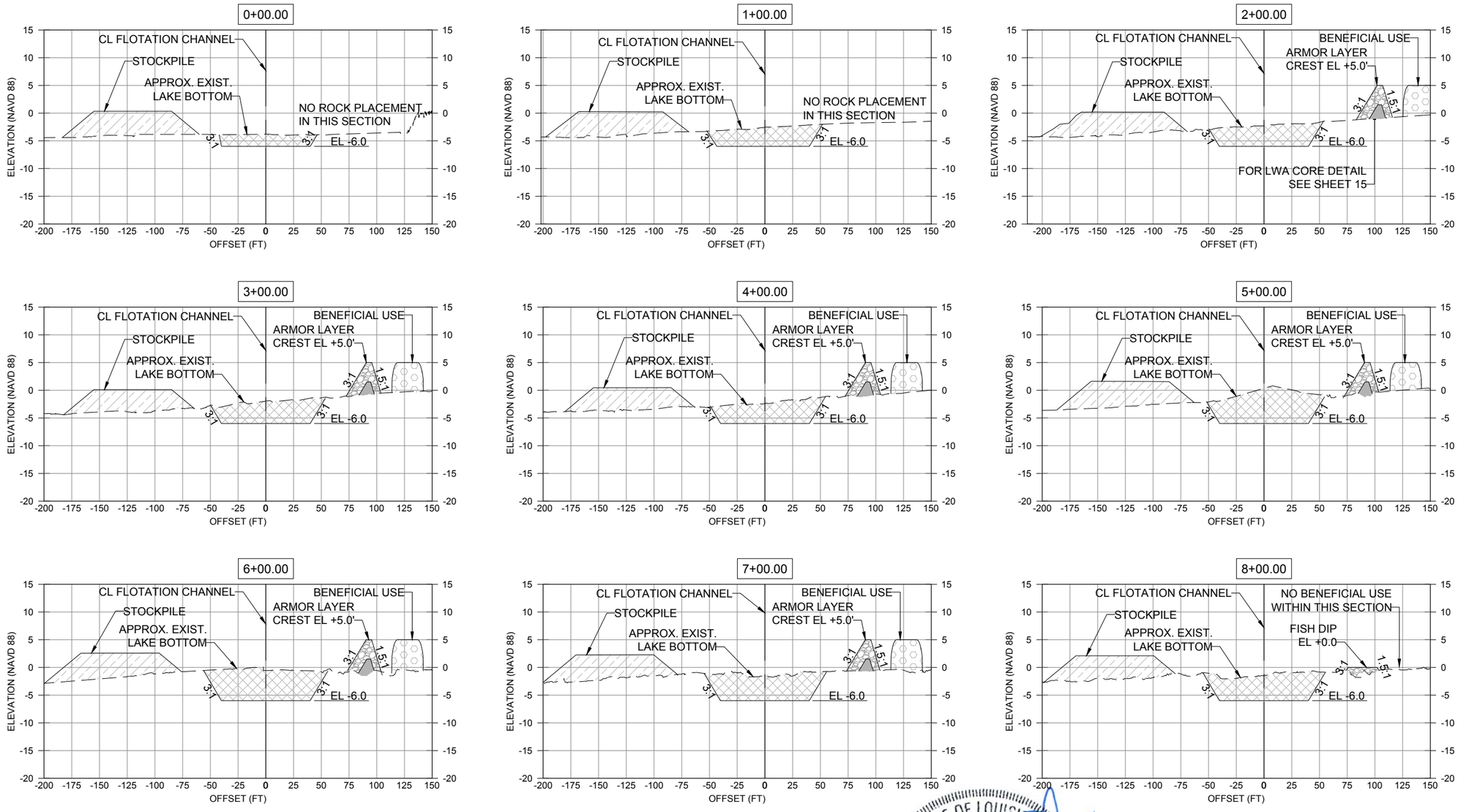
LaBRANCHE SHORELINE PROTECTION (PO-0194)

STATE PROJECT NUMBER: PO-0194

DATE: 07-04-2023

SHEET 15 OF 34

File: Q:\BR\212247\20 CADD_Active_Construction-SP\PO-0194_015 ; Plotted: 7/5/2023 12:30 PM by DURAN, JESUS ; Saved: 7/5/2023 12:03 PM by JDURAN



STATE OF LOUISIANA
L. CHRISTOPHER WILLIAMS
REG. No. 28579
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

10' 0' 10' 20'
VERT. SCALE: 1"=20'

50' 0' 50' 100'
HORZ. SCALE: 1"=100'

REV.	DATE	DESCRIPTION	BY

moffatt & nichol
301 MAIN STREET, SUITE 800,
BATON ROUGE, LA 70801

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

CROSS SECTIONS 1 OF 15

DESIGNED BY: GS
APPROVED BY: CW
DRAWN BY: GE

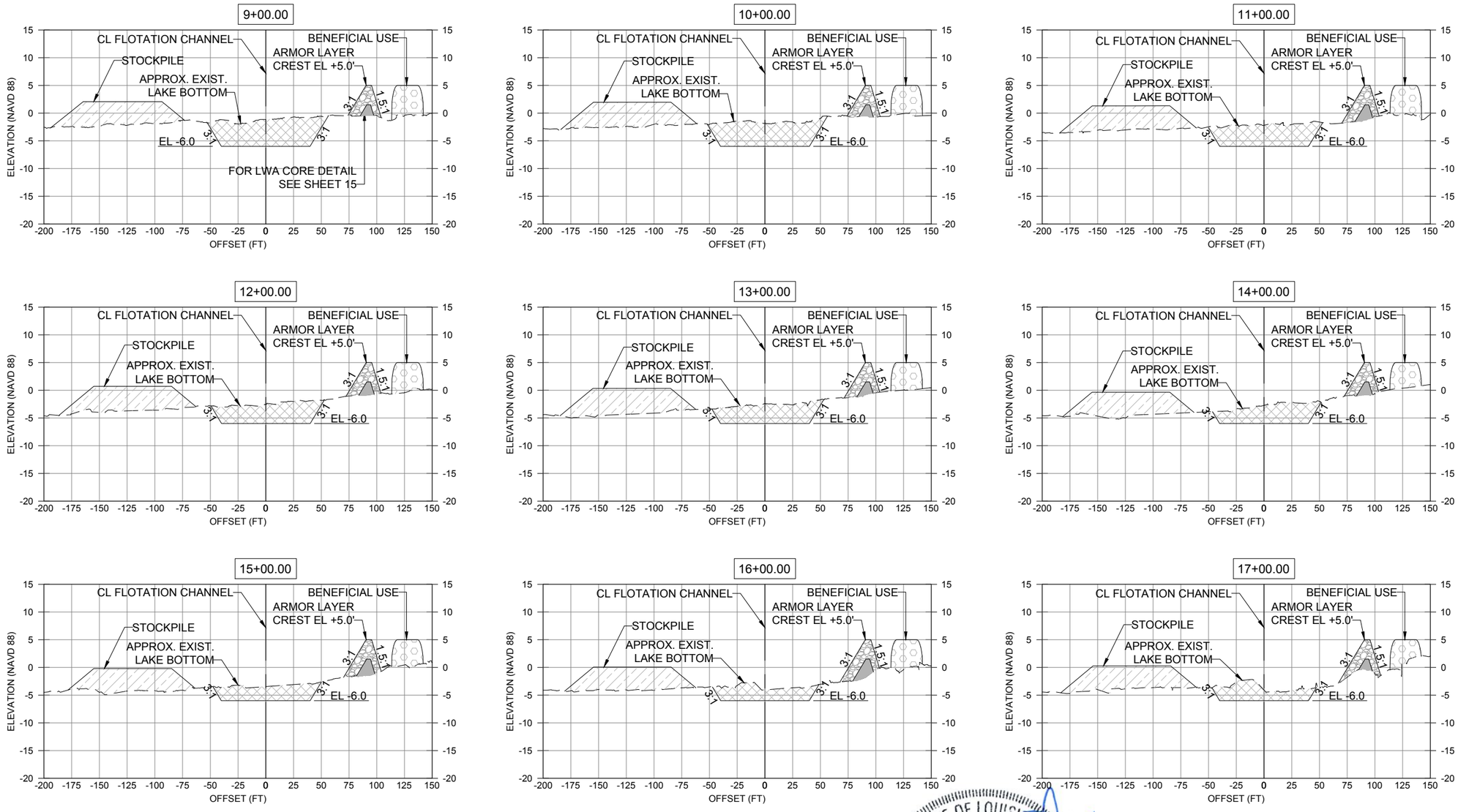
LaBRANCHE SHORELINE PROTECTION (PO-0194)

STATE PROJECT NUMBER: PO-0194

DATE: 07-04-2023

SHEET 16 OF 34

File: Q:\BR\212247\20 CADD_Active_Construction-SP\PO-0194_016 ; Plotted: 7/5/2023 12:31 PM by DURAN, JESUS ; Saved: 6/28/2023 10:12 AM by JDURAN



10' 0' 10' 20'
VERT. SCALE: 1"=20'

50' 0' 50' 100'
HORZ. SCALE: 1"=100'

REV.	DATE	DESCRIPTION	BY

moffatt & nichol
301 MAIN STREET, SUITE 800,
BATON ROUGE, LA 70801

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

CROSS SECTIONS 2 OF 15

DESIGNED BY: GS
APPROVED BY: CW

LaBRANCHE SHORELINE PROTECTION (PO-0194)

STATE PROJECT NUMBER: PO-0194
DRAWN BY: GE

DATE: 07-04-2023

SHEET 17 OF 34

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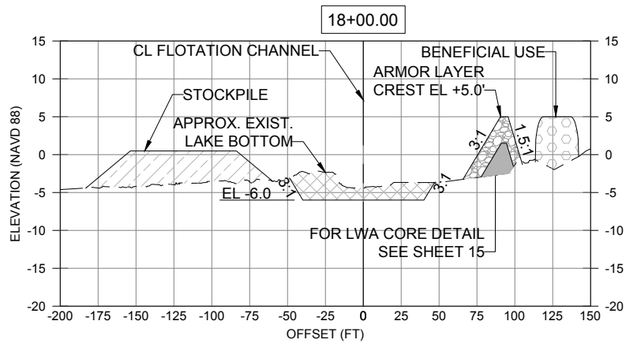
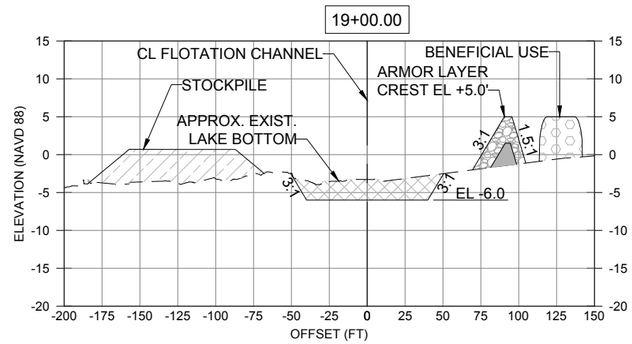
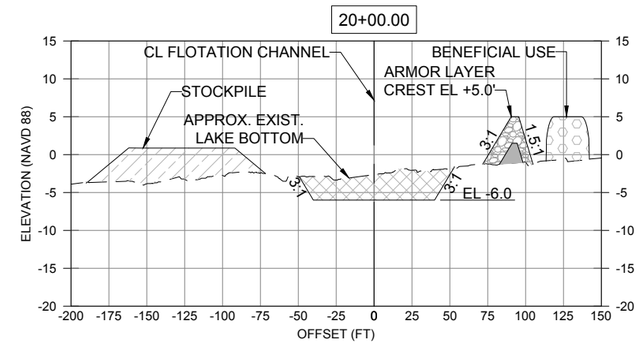
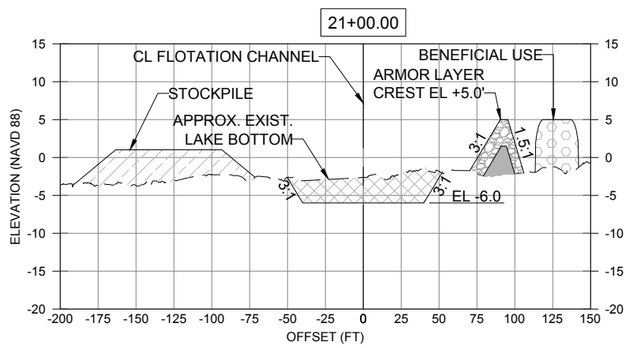
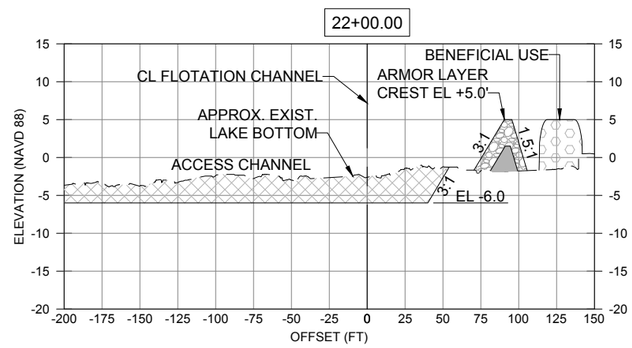
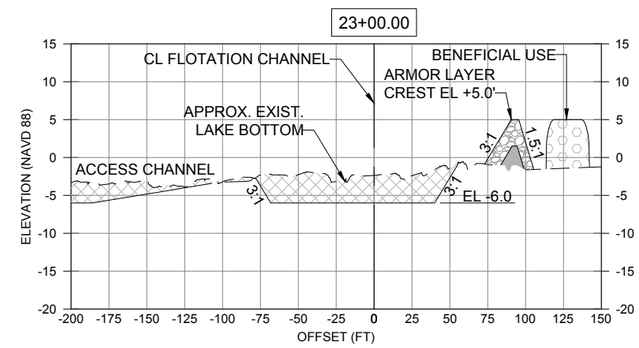


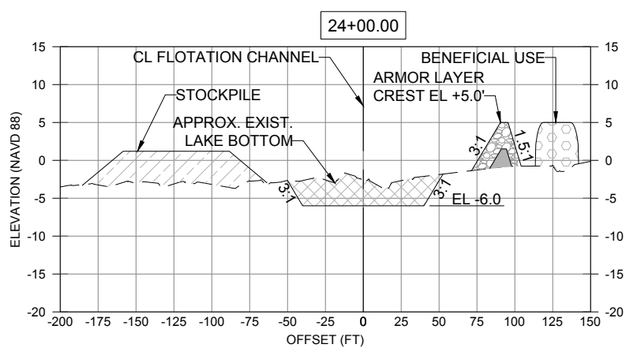


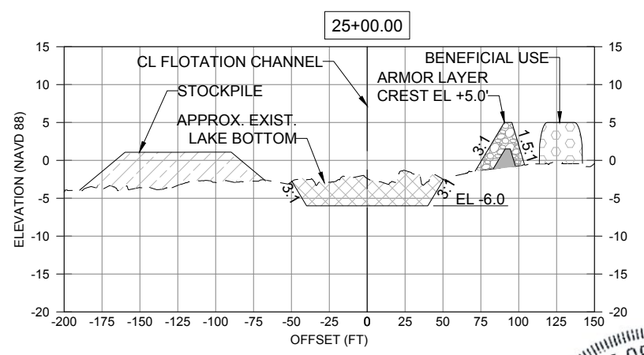


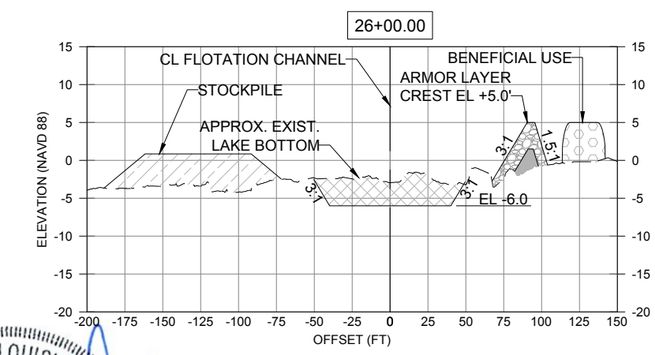












STATE OF LOUISIANA
L. CHRISTOPHER WILLIAMS
REG. No. 28579
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

10' 0' 10' 20'
VERT. SCALE: 1"=20'

50' 0' 50' 100'
HORZ. SCALE: 1"=100'

REV.	DATE	DESCRIPTION	BY

moffatt & nichol
301 MAIN STREET, SUITE 800,
BATON ROUGE, LA 70801

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

CROSS SECTIONS 3 OF 15

DESIGNED BY: GS
APPROVED BY: CW

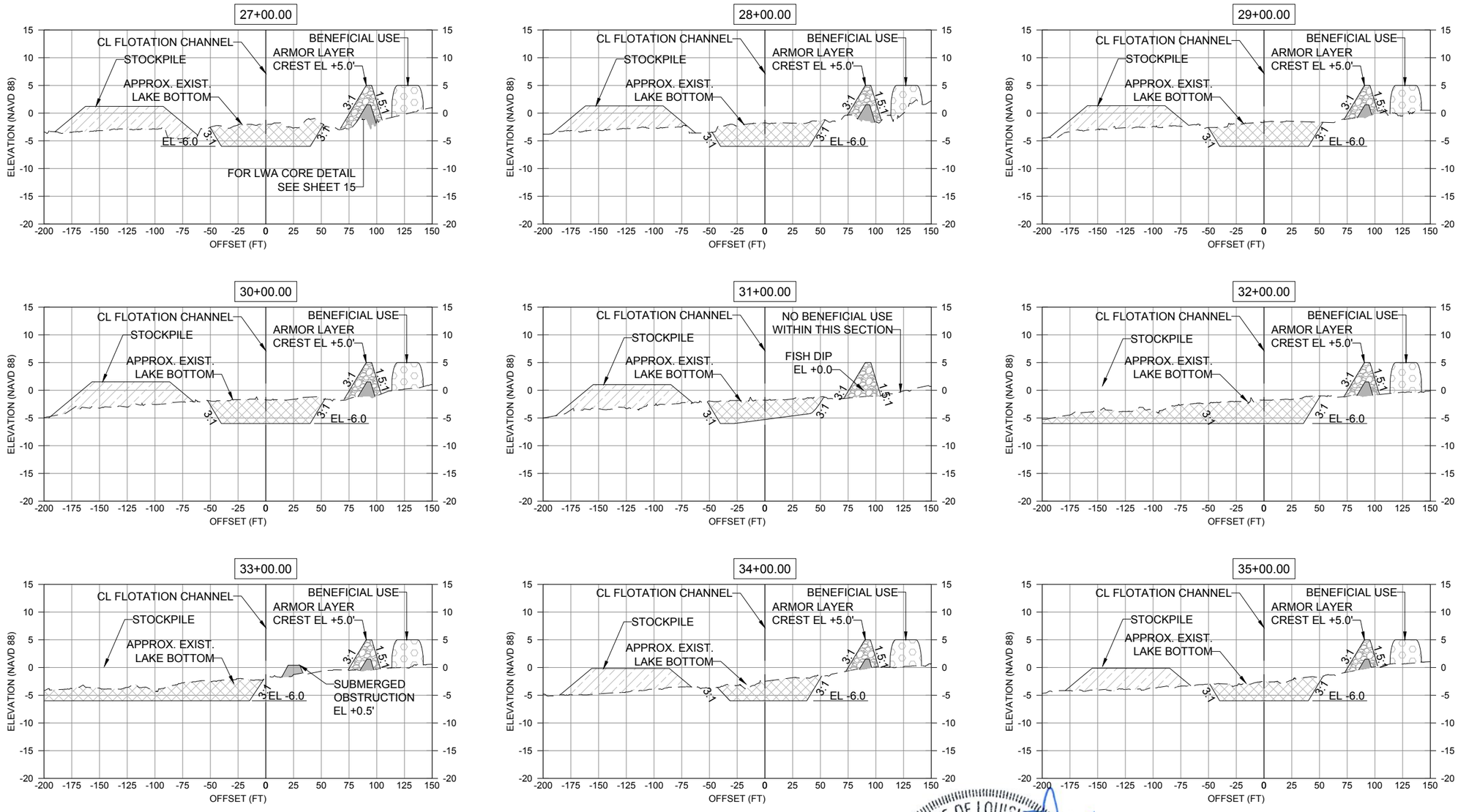
LaBRANCHE SHORELINE PROTECTION (PO-0194)

STATE PROJECT NUMBER: PO-0194
DRAWN BY: GE

DATE: 07-04-2023

SHEET 18 OF 34

File: Q:\BR\212247\20 CADD_Active_Construction-SP\PO-0194_018 ; Plotted: 7/5/2023 12:32 PM by DURAN, JESUS ; Saved: 6/26/2023 11:28 AM by GESPINO



STATE OF LOUISIANA
L. CHRISTOPHER WILLIAMS
REG. No. 28579
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

10' 0' 10' 20'
VERT. SCALE: 1"=20'

50' 0' 50' 100'
HORZ. SCALE: 1"=100'

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moffatt & nichol
301 MAIN STREET, SUITE 800,
BATON ROUGE, LA 70801

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

CROSS SECTIONS 4 OF 15

DESIGNED BY: GS
APPROVED BY: CW

LaBRANCHE SHORELINE PROTECTION (PO-0194)

STATE PROJECT NUMBER: PO-0194
DRAWN BY: GE

DATE: 07-04-2023

SHEET 19 OF 34

File: Q:\BR\212247\20 CADD_Active_Construction-SP\PO-0194_019 ; Plotted: 7/5/2023 12:33 PM by DURAN, JESUS ; Saved: 6/26/2023 11:28 AM by GESPINO

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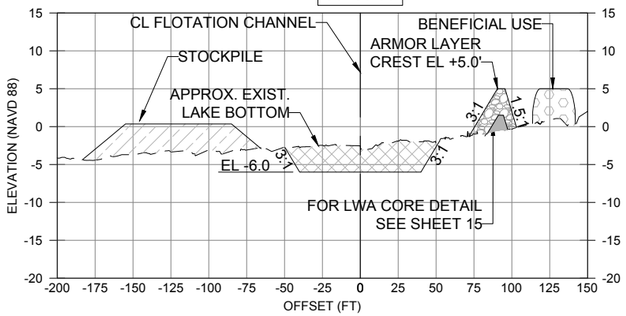

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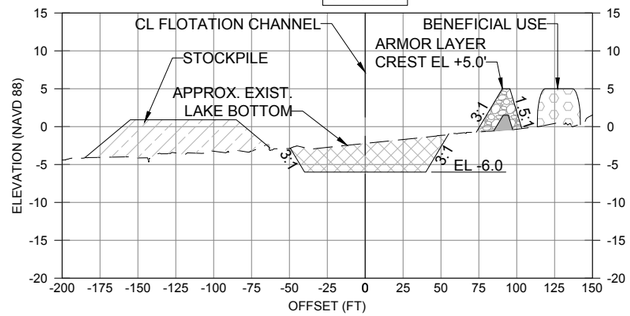

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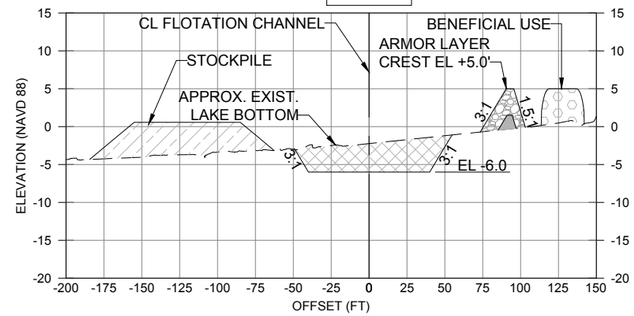

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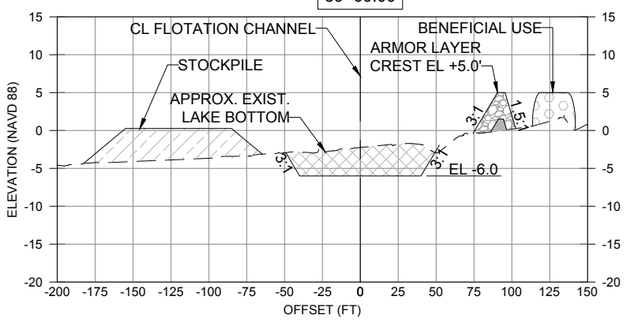

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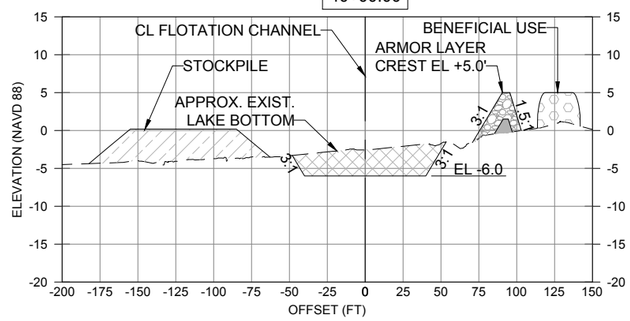

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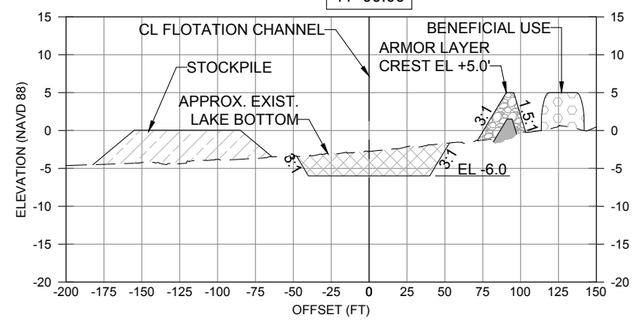

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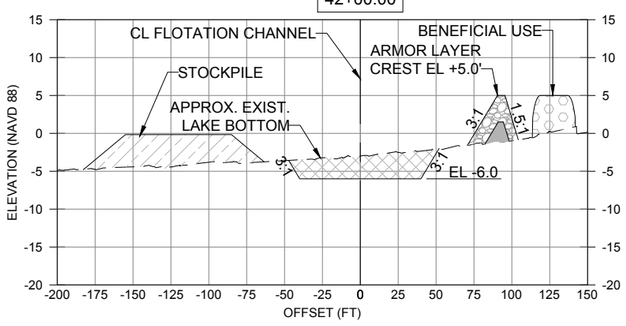

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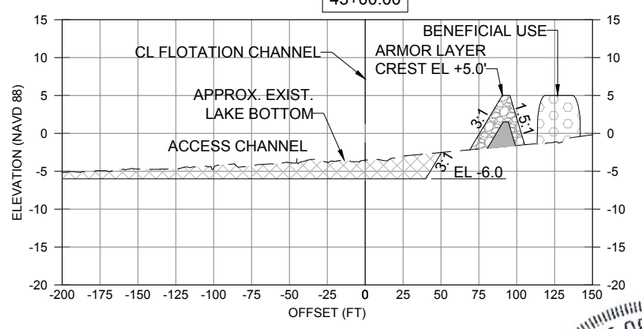

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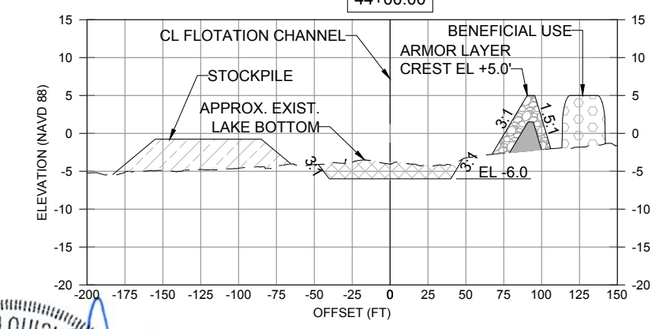


STATE OF LOUISIANA
L. CHRISTOPHER WILLIAMS
REG. No. 28579
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

10' 0' 10' 20'
VERT. SCALE: 1"=20'

50' 0' 50' 100'
HORZ. SCALE: 1"=100'

REV.	DATE	DESCRIPTION	BY

moffatt & nichol
301 MAIN STREET, SUITE 800,
BATON ROUGE, LA 70801

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

CROSS SECTIONS 5 OF 15

DESIGNED BY: GS
APPROVED BY: CW

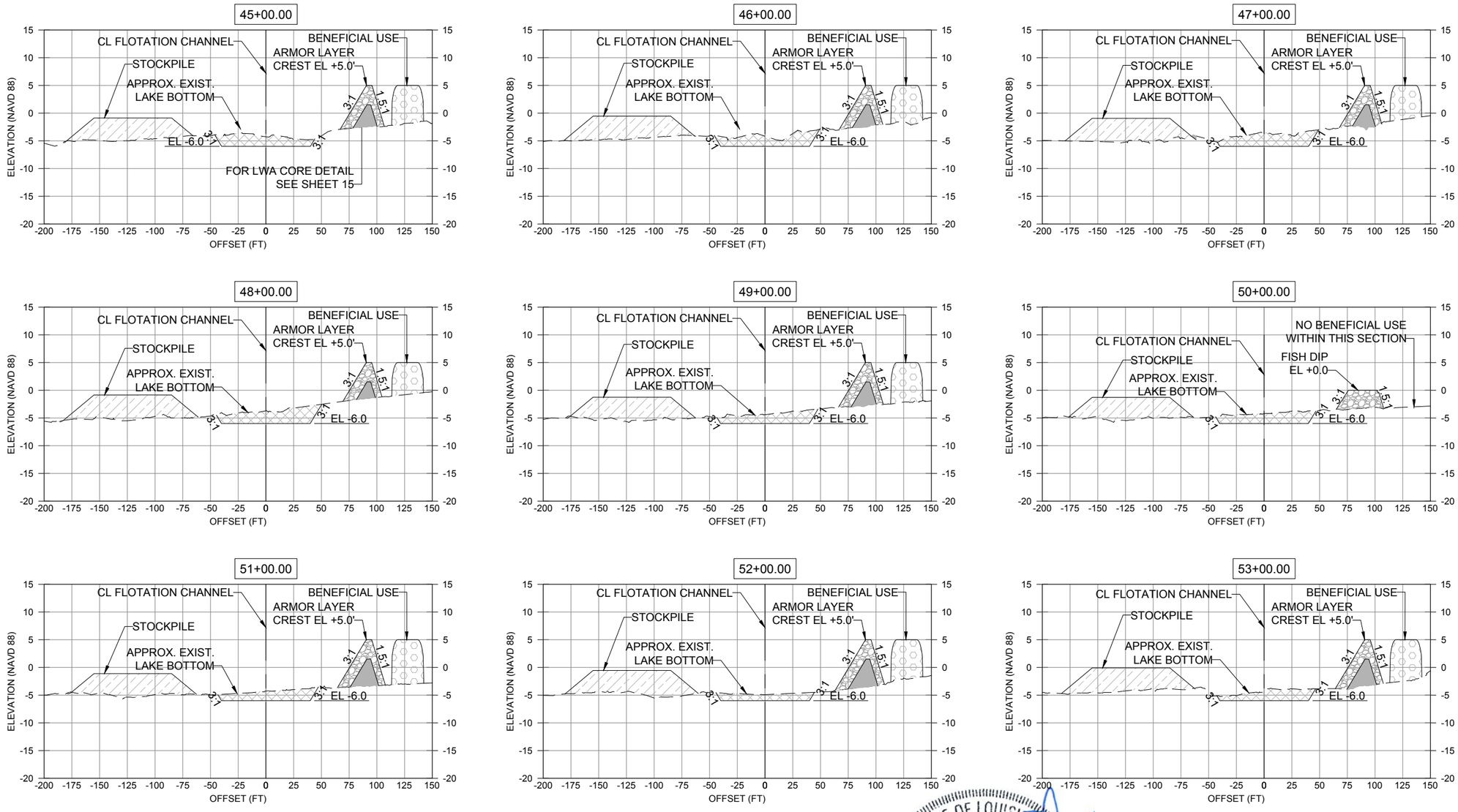
LaBRANCHE SHORELINE PROTECTION (PO-0194)

STATE PROJECT NUMBER: PO-0194
DRAWN BY: GE

DATE: 07-04-2023

SHEET 20 OF 34

File: Q:\BR\212247\20 CADD_Active_Construction-SP\PO-0194_020 ; Plotted: 7/5/2023 12:34 PM by DURAN, JESUS ; Saved: 6/26/2023 11:27 AM by GESPINO



STATE OF LOUISIANA
L. CHRISTOPHER WILLIAMS
REG. No. 28579
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

10' 0' 10' 20'
VERT. SCALE: 1"=20'

50' 0' 50' 100'
HORZ. SCALE: 1"=100'

REV.	DATE	DESCRIPTION	BY

moffatt & nichol
301 MAIN STREET, SUITE 800,
BATON ROUGE, LA 70801

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

CROSS SECTIONS 6 OF 15

DESIGNED BY: GS
APPROVED BY: CW

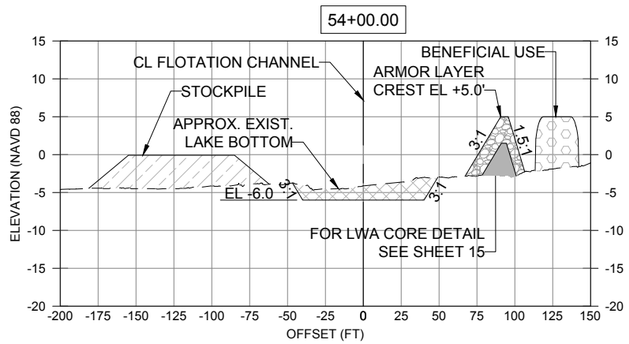
LaBRANCHE SHORELINE PROTECTION (PO-0194)

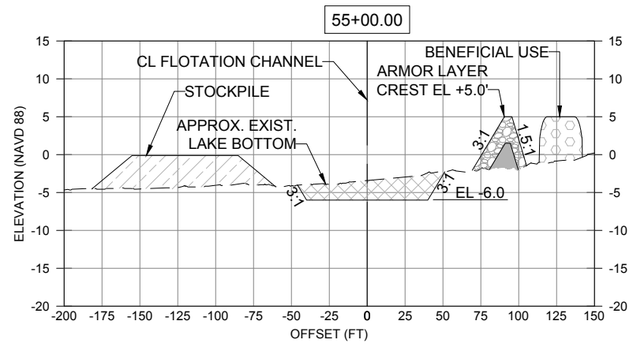
STATE PROJECT NUMBER: PO-0194
DRAWN BY: GE

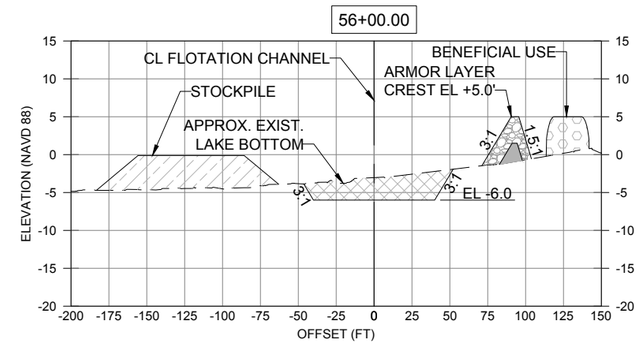
DATE: 07-04-2023

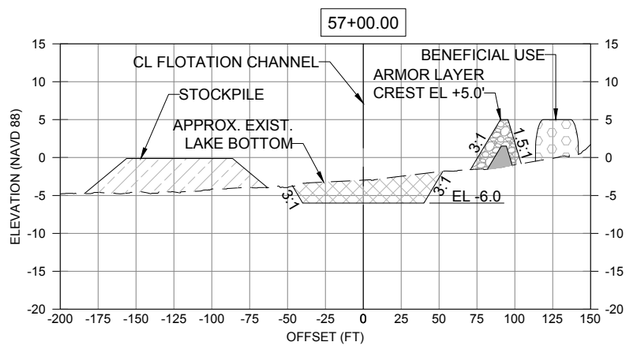
SHEET 21 OF 34

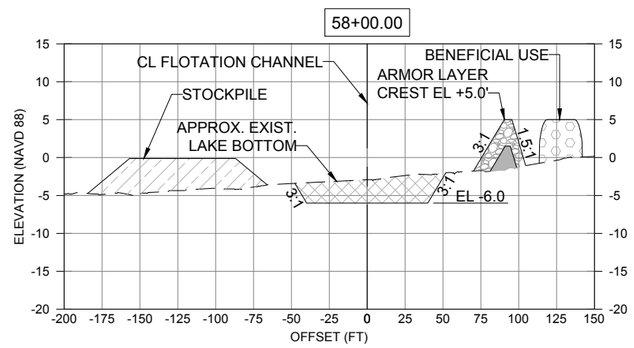
File: Q:\BR\212247\20 CADD_Active_Construction-SP\PO-0194_021 ; Plotted: 7/5/2023 12:34 PM by DURAN, JESUS ; Saved: 6/26/2023 11:27 AM by GESPINO

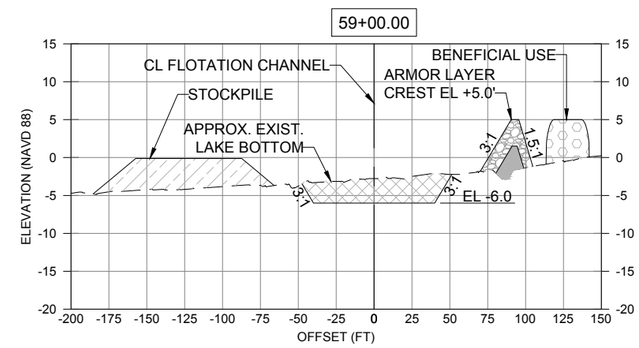


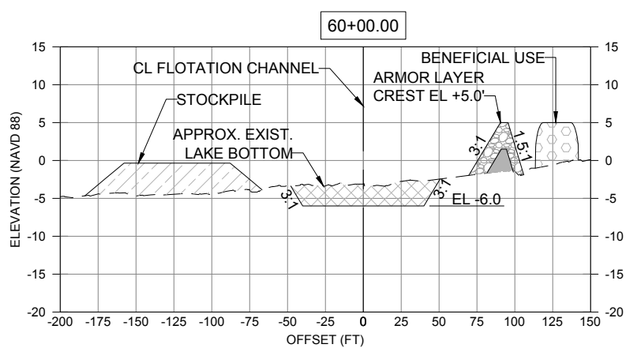


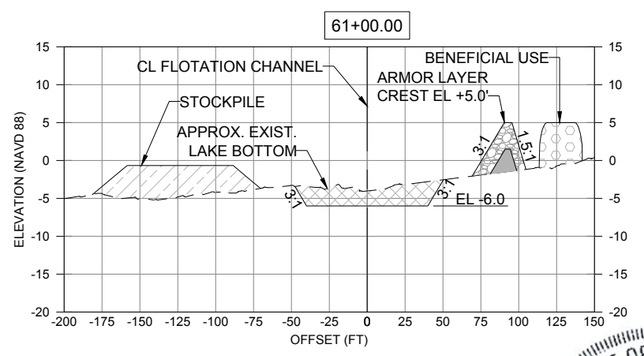


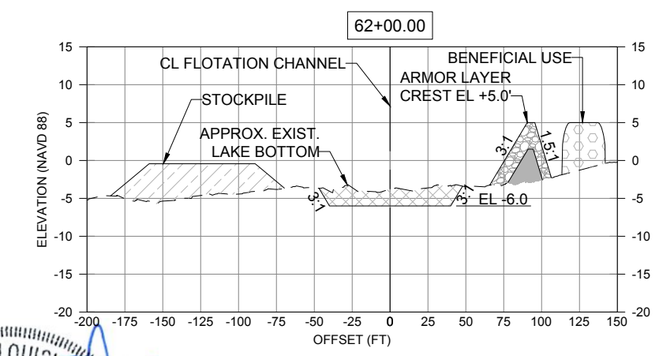












STATE OF LOUISIANA
L. CHRISTOPHER WILLIAMS
REG. No. 28579
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

10' 0' 10' 20'
VERT. SCALE: 1"=20'

50' 0' 50' 100'
HORZ. SCALE: 1"=100'

REV.	DATE	DESCRIPTION	BY

moffatt & nichol
301 MAIN STREET, SUITE 800,
BATON ROUGE, LA 70801

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

CROSS SECTIONS 7 OF 15

DESIGNED BY: GS
APPROVED BY: CW

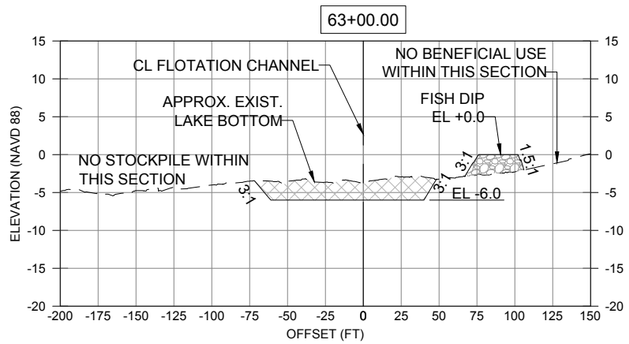
LaBRANCHE SHORELINE PROTECTION (PO-0194)

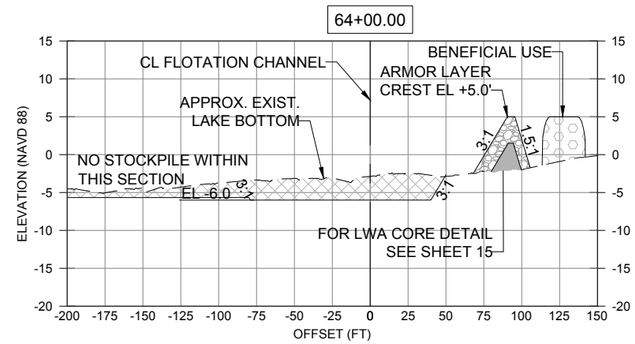
STATE PROJECT NUMBER: PO-0194
DRAWN BY: GE

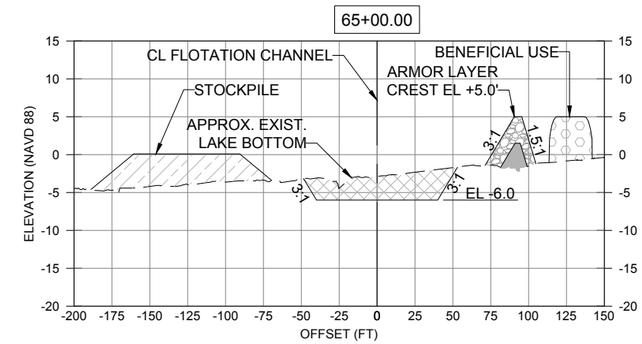
DATE: 07-04-2023

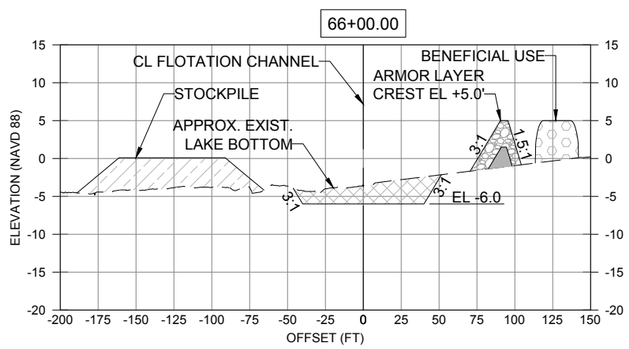
SHEET 22 OF 34

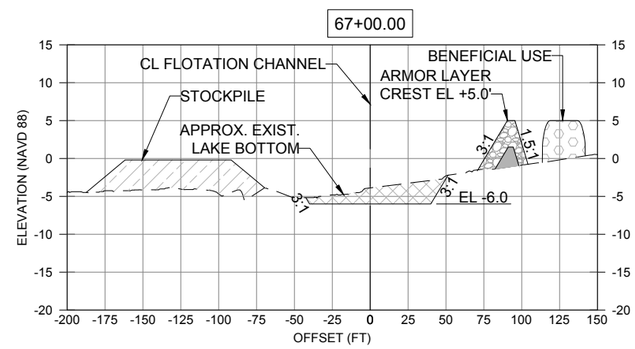
File: Q:\BR\212247\20 CADD_Active_Construction-SP\PO-0194_022 ; Plotted: 7/5/2023 12:35 PM by DURAN, JESUS ; Saved: 6/26/2023 11:27 AM by GESPINO

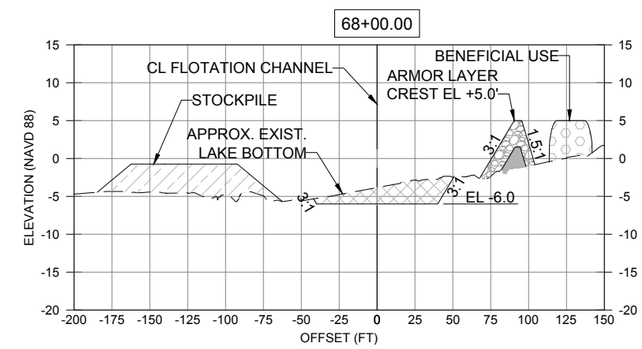


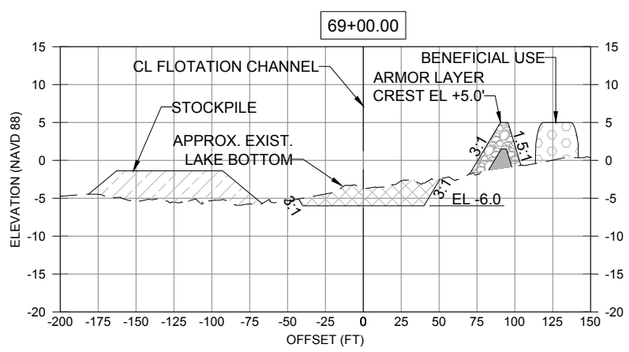


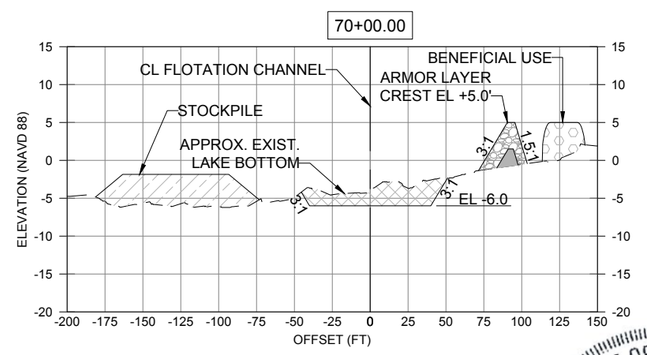


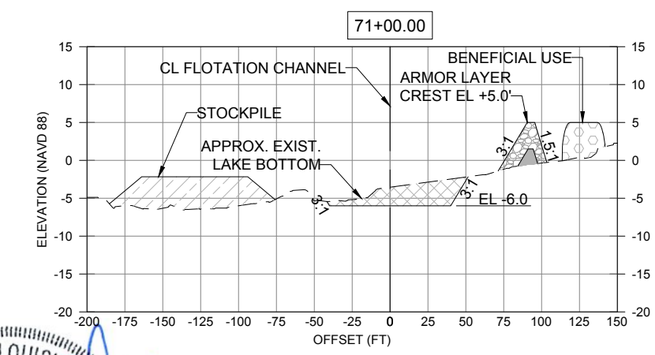












STATE OF LOUISIANA
L. CHRISTOPHER WILLIAMS
REG. No. 28579
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

10' 0' 10' 20'
VERT. SCALE: 1"=20'

50' 0' 50' 100'
HORZ. SCALE: 1"=100'

REV.	DATE	DESCRIPTION	BY

moffatt & nichol
301 MAIN STREET, SUITE 800,
BATON ROUGE, LA 70801

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

CROSS SECTIONS 8 OF 15

DESIGNED BY: GS
APPROVED BY: CW

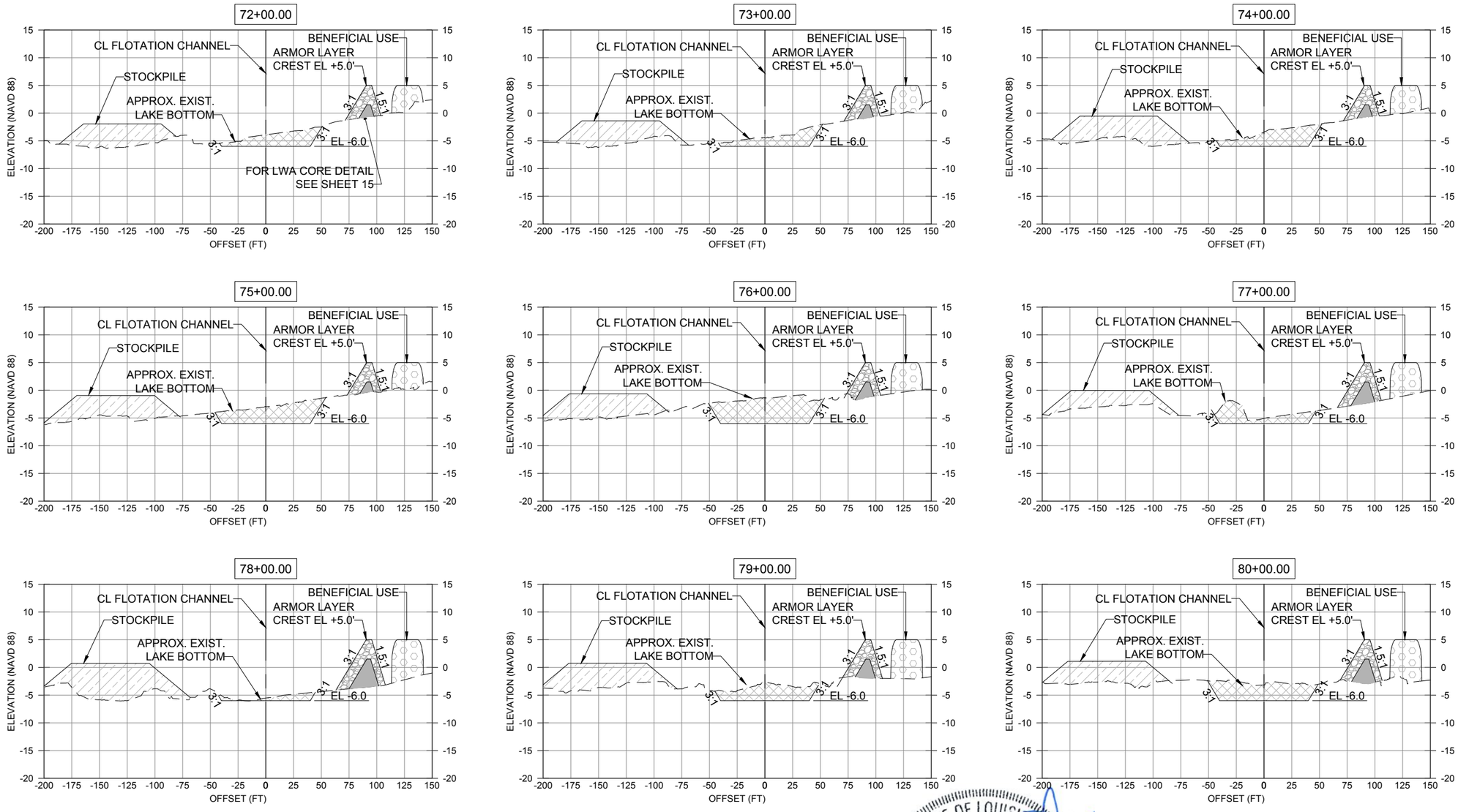
LaBRANCHE SHORELINE PROTECTION (PO-0194)

STATE PROJECT NUMBER: PO-0194
DRAWN BY: GE

DATE: 07-04-2023

SHEET 23 OF 34

File: Q:\BR\212247\20 CADD_Active_Construction-SP\PO-0194_023 ; Plotted: 7/5/2023 12:36 PM by DURAN, JESUS ; Saved: 6/26/2023 11:27 AM by GESPINO



STATE OF LOUISIANA
L. CHRISTOPHER WILLIAMS
REG. No. 28579
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

10' 0' 10' 20'
VERT. SCALE: 1"=20'

50' 0' 50' 100'
HORZ. SCALE: 1"=100'

REV.	DATE	DESCRIPTION	BY

moffatt & nichol
301 MAIN STREET, SUITE 800,
BATON ROUGE, LA 70801

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

CROSS SECTIONS 9 OF 15

DESIGNED BY: GS
APPROVED BY: CW

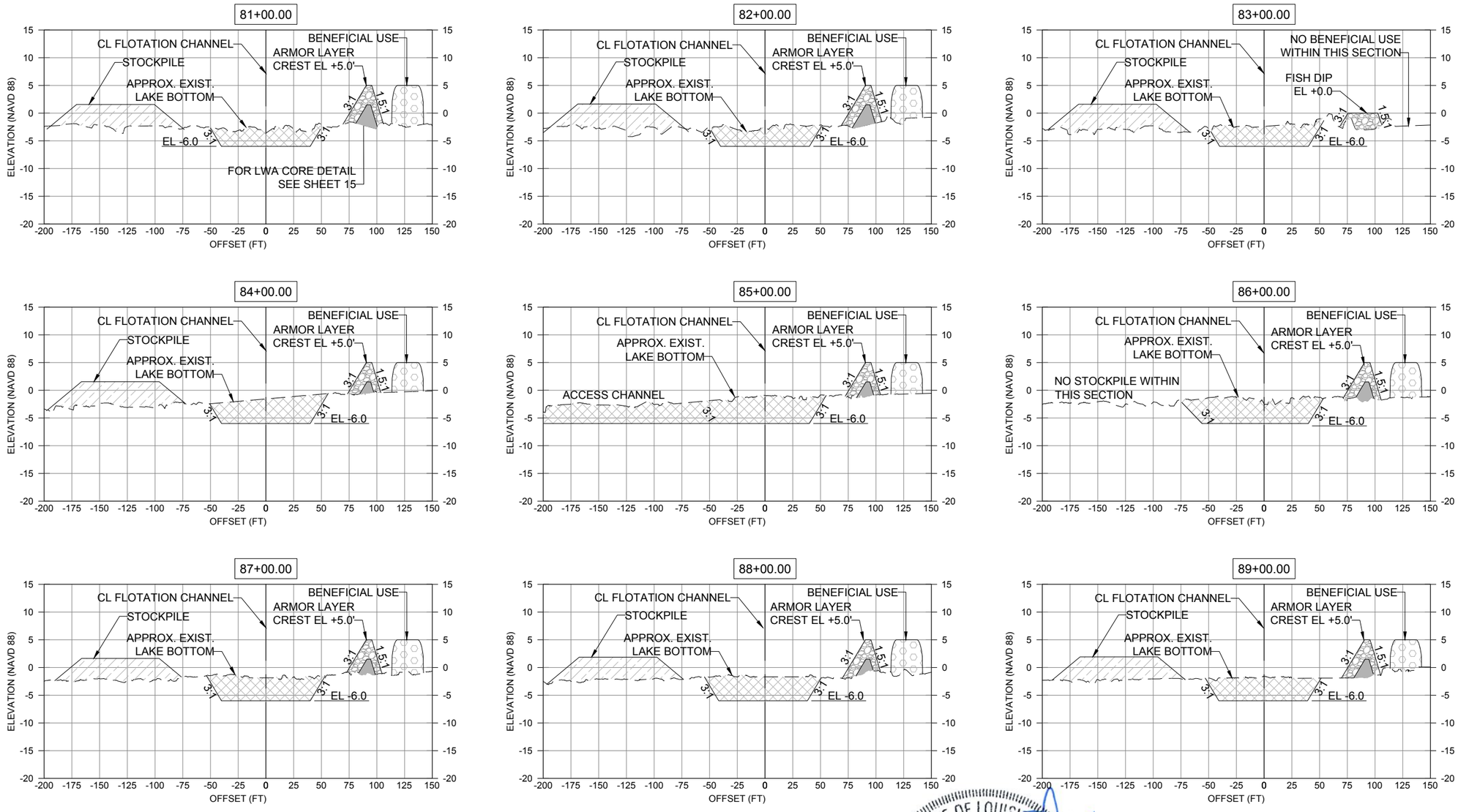
LaBRANCHE SHORELINE PROTECTION (PO-0194)

STATE PROJECT NUMBER: PO-0194
DRAWN BY: GE

DATE: 07-04-2023

SHEET 24 OF 34

File: Q:\BR\212247\20 CADD_Active_Construction-SP\PO-0194_024 ; Plotted: 7/5/2023 12:36 PM by DURAN, JESUS ; Saved: 6/26/2023 11:26 AM by EDOMINGUE



STATE OF LOUISIANA
L. CHRISTOPHER WILLIAMS
REG. No. 28579
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

VERT. SCALE: 1"=20' (10' 0' 10' 20')

HORZ. SCALE: 1"=100' (50' 0' 50' 100')

REV.	DATE	DESCRIPTION	BY

moffatt & nichol
301 MAIN STREET, SUITE 800,
BATON ROUGE, LA 70801

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

CROSS SECTIONS 10 OF 15

DESIGNED BY: GS
APPROVED BY: CW

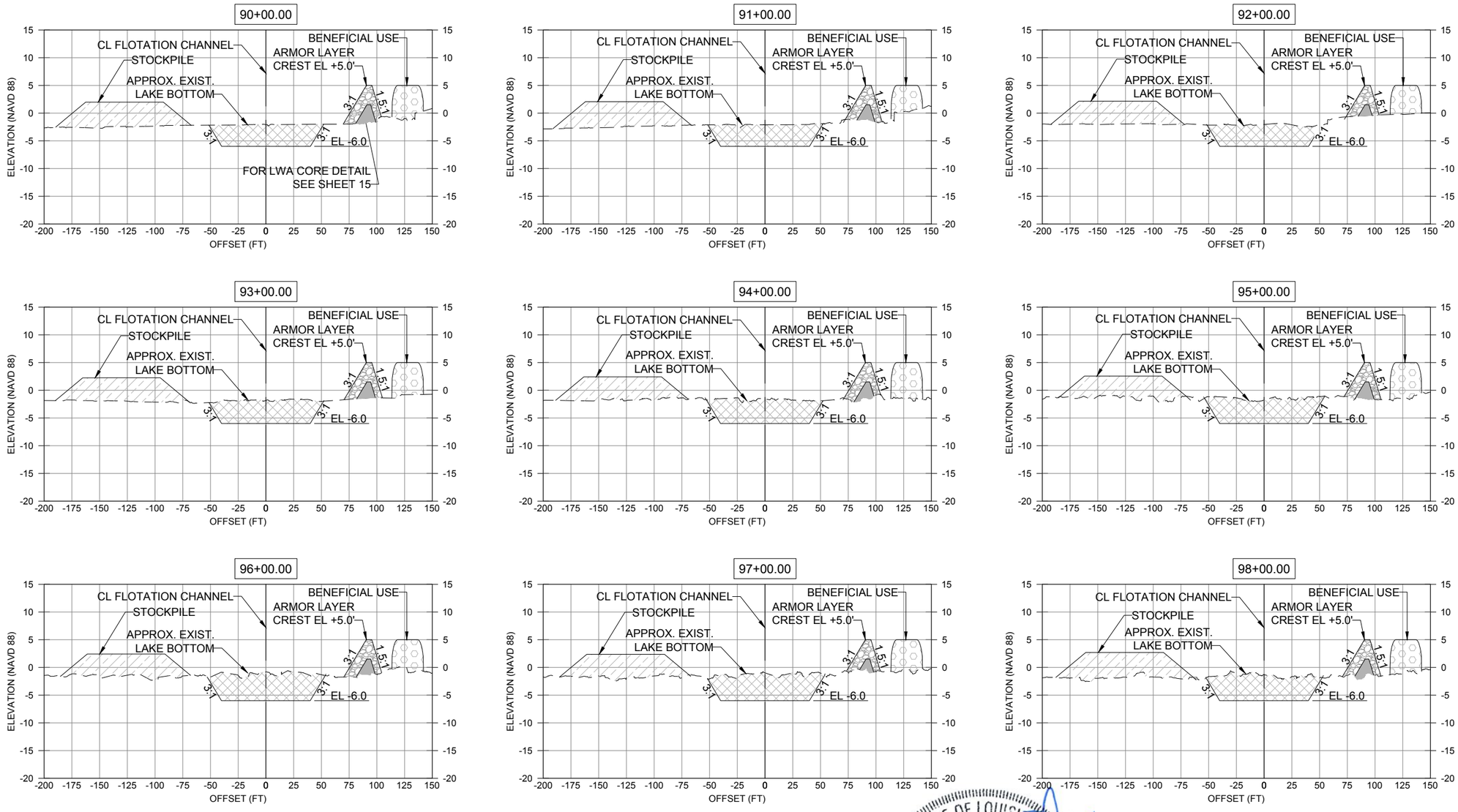
LaBRANCHE SHORELINE PROTECTION (PO-0194)

STATE PROJECT NUMBER: PO-0194
DRAWN BY: GE

DATE: 07-04-2023

SHEET 25 OF 34

File: Q:\BR\212247\20 CADD_Active_Construction-SP\PO-0194_025 ; Plotted: 7/5/2023 12:37 PM by DURAN, JESUS ; Saved: 6/26/2023 11:26 AM by GESPINO



STATE OF LOUISIANA
L. CHRISTOPHER WILLIAMS
REG. No. 28579
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

10' 0' 10' 20'
VERT. SCALE: 1"=20'

50' 0' 50' 100'
HORZ. SCALE: 1"=100'

REV.	DATE	DESCRIPTION	BY

moffatt & nichol
301 MAIN STREET, SUITE 800,
BATON ROUGE, LA 70801

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

CROSS SECTIONS 11 OF 15

DESIGNED BY: GS
APPROVED BY: CW

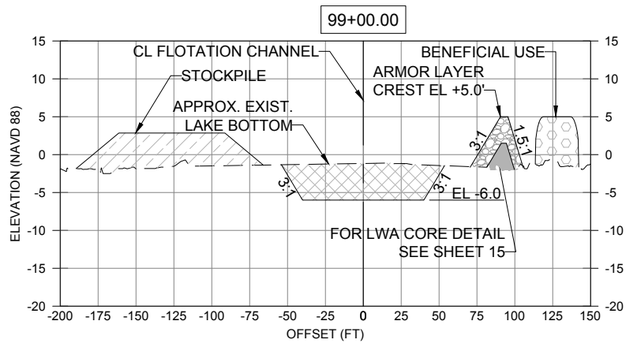
LaBRANCHE SHORELINE PROTECTION (PO-0194)

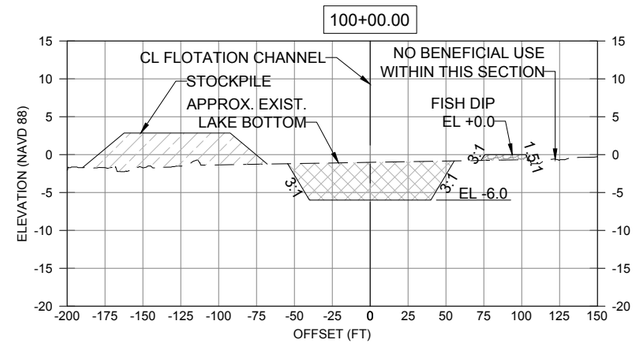
STATE PROJECT NUMBER: PO-0194
DRAWN BY: GE

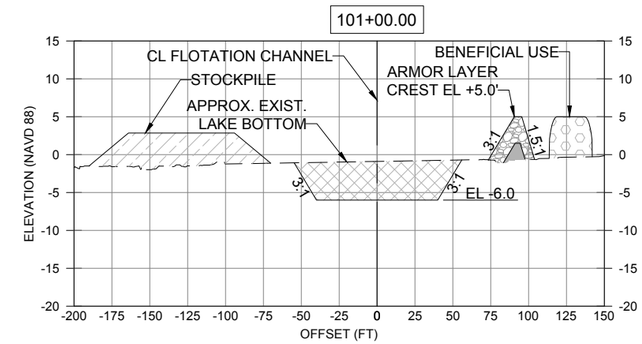
DATE: 07-04-2023

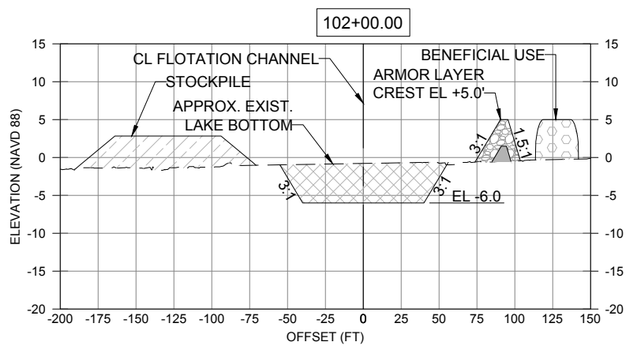
SHEET 26 OF 34

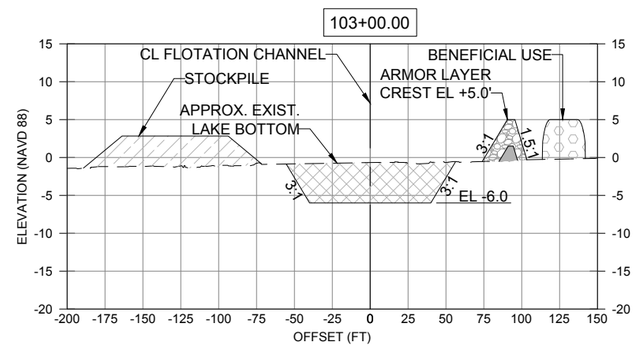
File: Q:\BR\212247\20 CADD_Active_Construction-SP\PO-0194_026 ; Plotted: 7/5/2023 12:38 PM by DURAN, JESUS ; Saved: 6/26/2023 11:26 AM by GESPINO

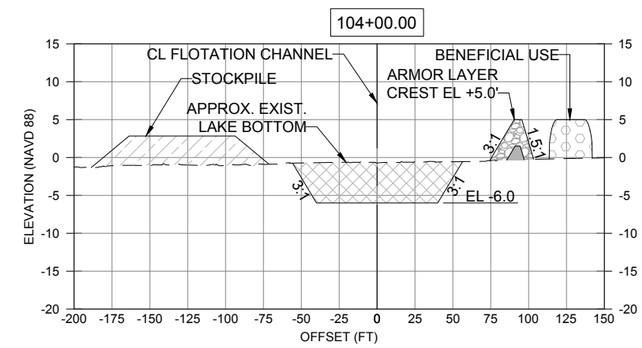


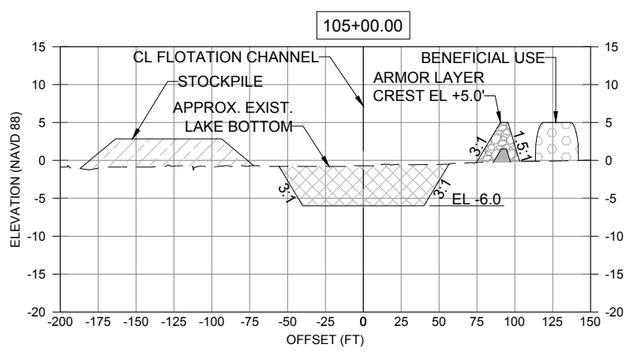


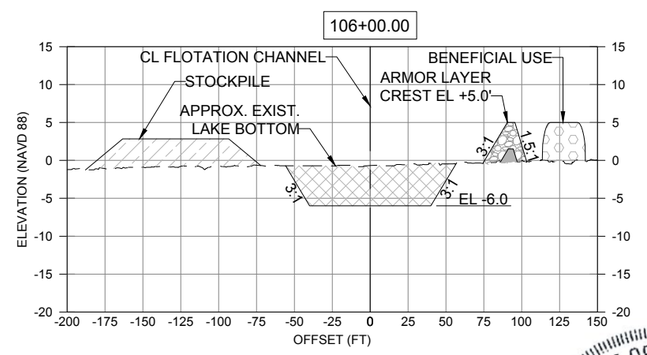


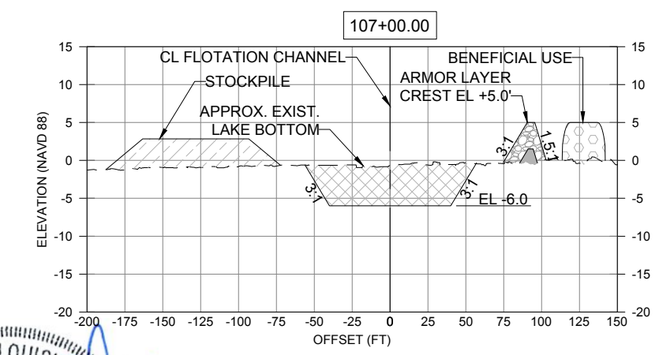












STATE OF LOUISIANA
L. CHRISTOPHER WILLIAMS
REG. No. 28579
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

VERT. SCALE: 1"=20' (10' 0' 10' 20')

HORZ. SCALE: 1"=100' (50' 0' 50' 100')

REV.	DATE	DESCRIPTION	BY

moffatt & nichol
301 MAIN STREET, SUITE 800,
BATON ROUGE, LA 70801

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

CROSS SECTIONS 12 OF 15

DESIGNED BY: GS
APPROVED BY: CW

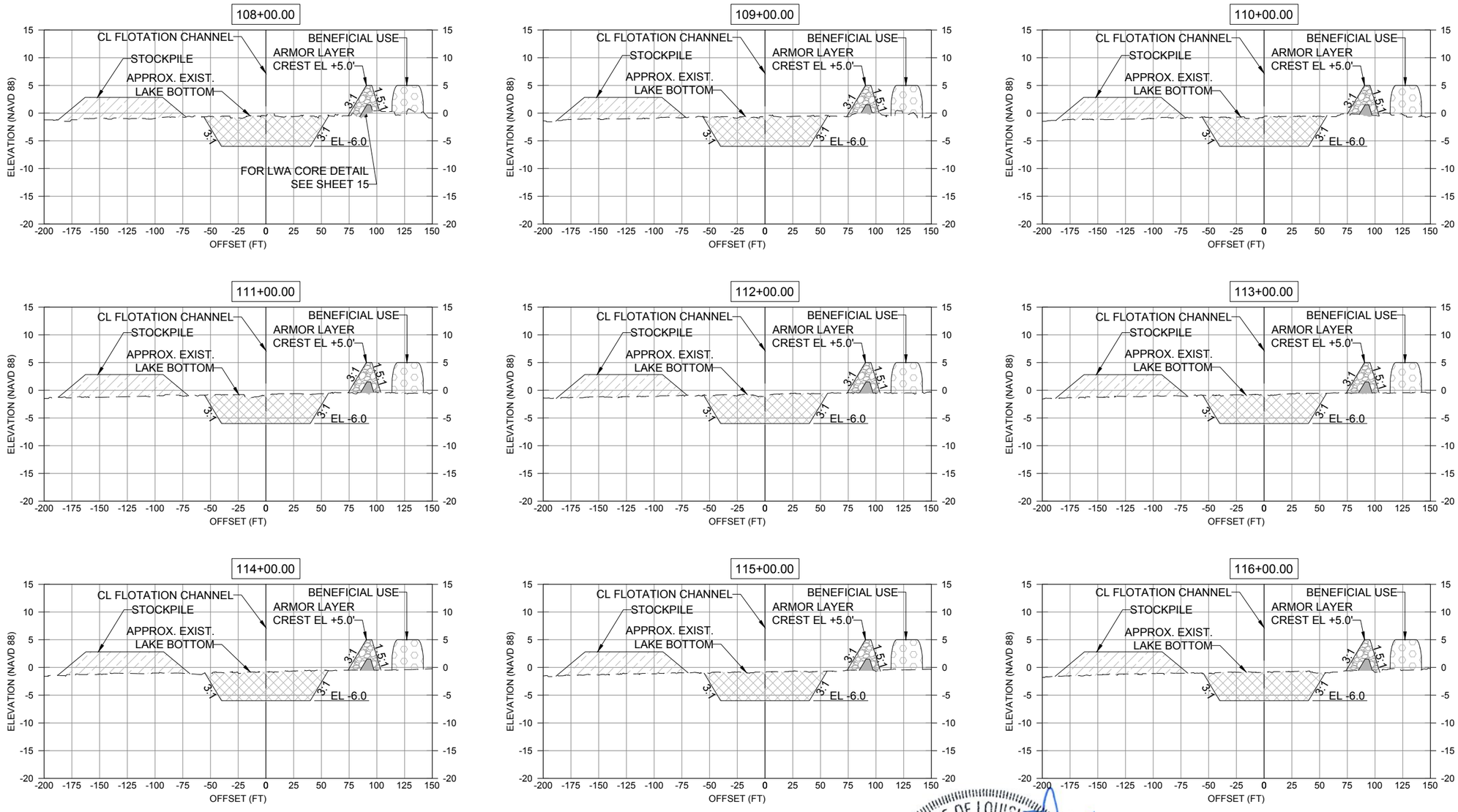
LaBRANCHE SHORELINE PROTECTION (PO-0194)

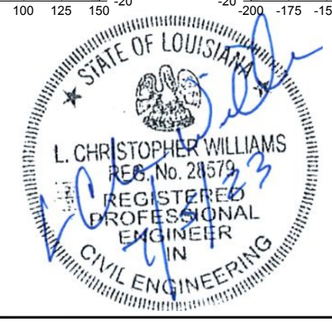
STATE PROJECT NUMBER: PO-0194
DRAWN BY: GE

DATE: 07-04-2023

SHEET 27 OF 34

File: Q:\BR\212247\20 CADD_Active_Construction-SP\PO-0194_027 ; Plotted: 7/5/2023 12:38 PM by DURAN, JESUS ; Saved: 6/26/2023 11:26 AM by GESPINO





10' 0' 10' 20'
VERT. SCALE: 1"=20'

50' 0' 50' 100'
HORZ. SCALE: 1"=100'

REV.	DATE	DESCRIPTION	BY

moffatt & nichol
301 MAIN STREET, SUITE 800,
BATON ROUGE, LA 70801

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

CROSS SECTIONS 13 OF 15

DESIGNED BY: GS
APPROVED BY: CW

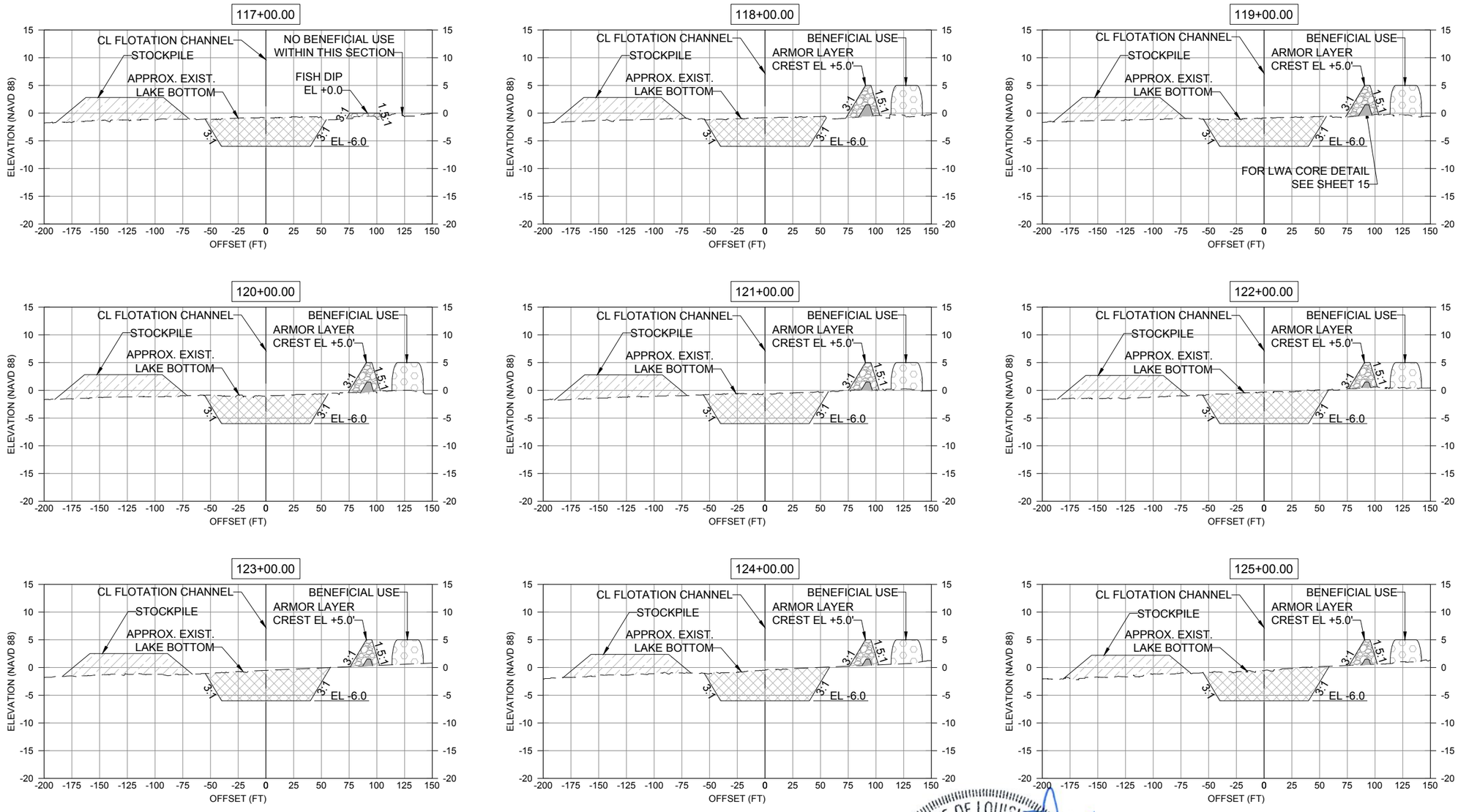
LaBRANCHE SHORELINE PROTECTION (PO-0194)

STATE PROJECT NUMBER: PO-0194
DRAWN BY: GE

DATE: 07-04-2023

SHEET 28 OF 34

File: Q:\BR\212247\20 CADD_Active_Construction-SP\PO-0194_028 ; Plotted: 7/5/2023 12:39 PM by DURAN, JESUS ; Saved: 6/26/2023 11:26 AM by GESPINO



STATE OF LOUISIANA
L. CHRISTOPHER WILLIAMS
REG. No. 28579
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

10' 0' 10' 20'
VERT. SCALE: 1"=20'

50' 0' 50' 100'
HORZ. SCALE: 1"=100'

REV.	DATE	DESCRIPTION	BY

moffatt & nichol
301 MAIN STREET, SUITE 800,
BATON ROUGE, LA 70801

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

CROSS SECTIONS 14 OF 15

DESIGNED BY: GS
APPROVED BY: CW

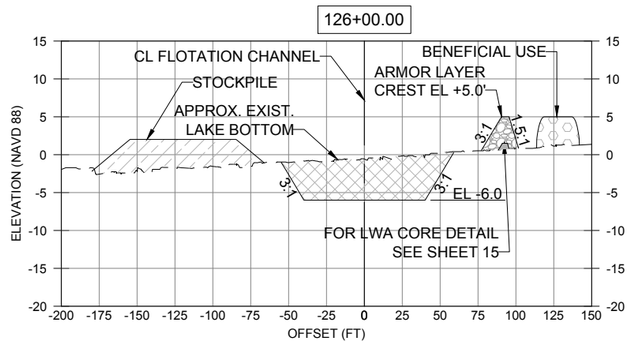
LaBRANCHE SHORELINE PROTECTION (PO-0194)

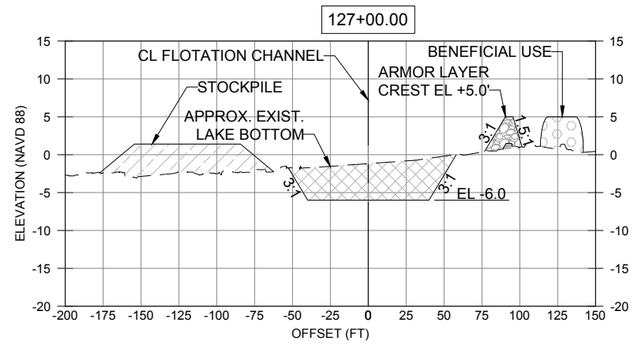
STATE PROJECT NUMBER: PO-0194
DRAWN BY: GE

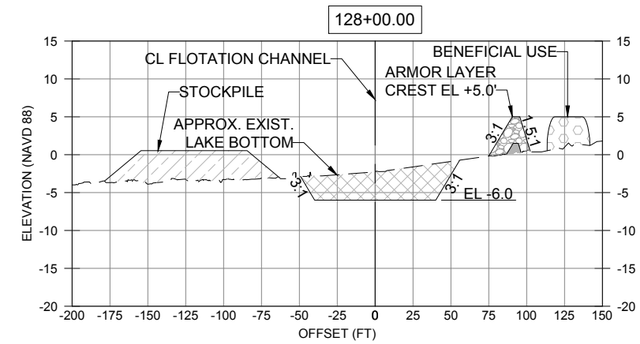
DATE: 07-04-2023

SHEET 29 OF 34

File: Q:\BR\212247\20 CADD_Active_Construction-SP\PO-0194_029 ; Plotted: 7/5/2023 12:40 PM by DURAN, JESUS ; Saved: 6/26/2023 11:25 AM by GESPINO







STATE OF LOUISIANA
L. CHRISTOPHER WILLIAMS
REG. No. 28579
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

10' 0' 10' 20'
VERT. SCALE: 1"=20'

50' 0' 50' 100'
HORZ. SCALE: 1"=100'

REV.	DATE	DESCRIPTION	BY

moffatt & nichol
301 MAIN STREET, SUITE 800,
BATON ROUGE, LA 70801

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

CROSS SECTIONS 15 OF 15

DESIGNED BY: GS
APPROVED BY: CW

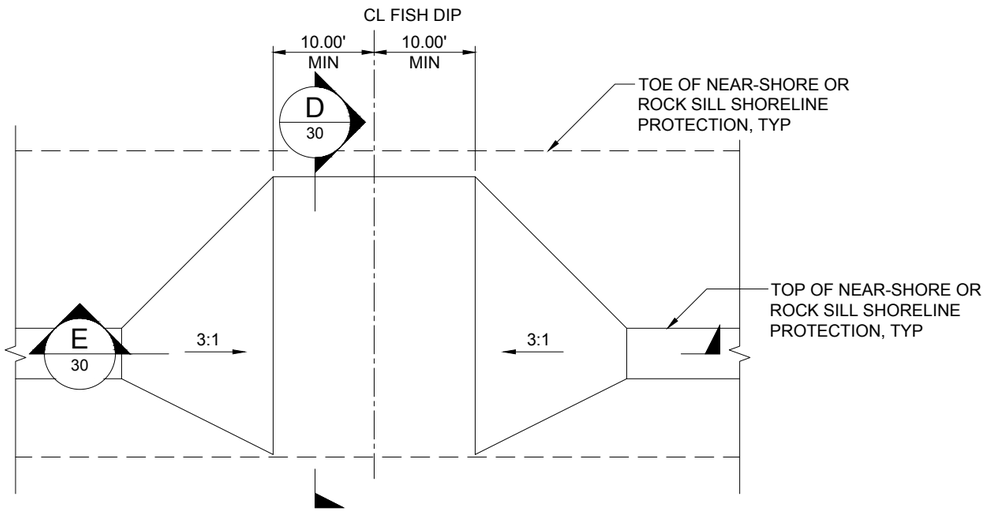
LaBRANCHE SHORELINE PROTECTION (PO-0194)

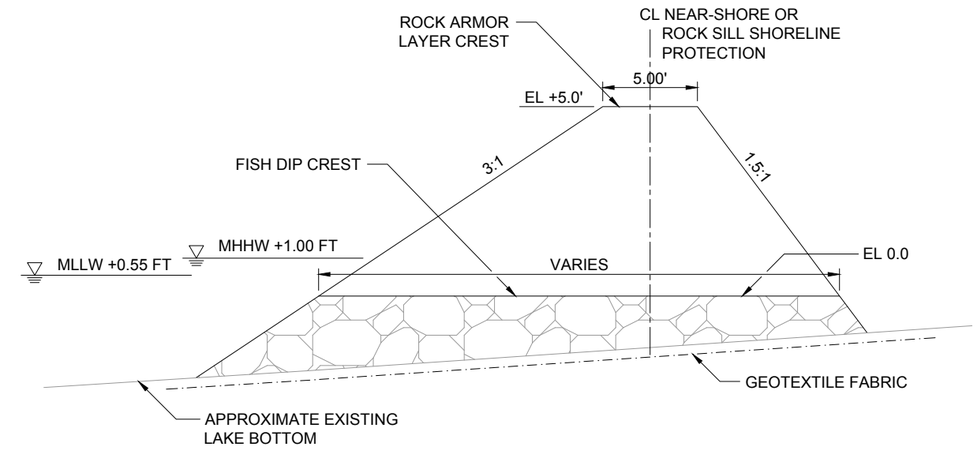
STATE PROJECT NUMBER: PO-0194
DRAWN BY: GE

DATE: 07-04-2023

SHEET 30 OF 34

File: Q:\BR\21224712\0 CADD_Active_Construction-SP\PO-0194_030 ; Plotted: 7/5/2023 12:41 PM by DURAN, JESUS ; Saved: 6/26/2023 11:25 AM by GESPINO

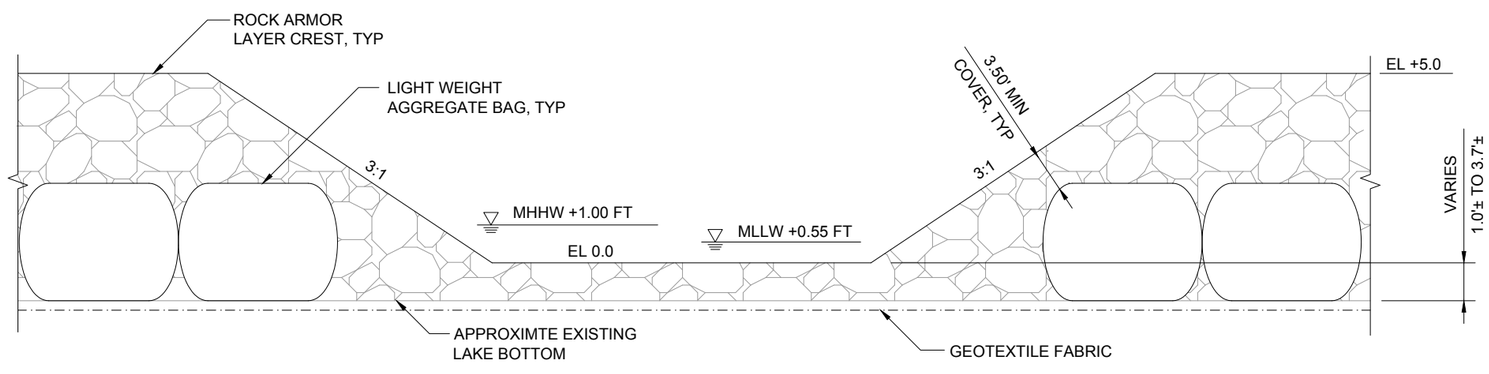




NOTE:
FISH DIPS ARE LOCATED AT 1,000 FEET MINIMUM ON CENTER OR AS SHOWN ON PLANS, FOR APPROXIMATE LOCATIONS OF FISH DIPS, SEE PLANS ON SHEETS 3 THRU 12 AND 15 THRU 29. FISH DIP LOCATIONS MAY BE ADJUSTED TO ACCOUNT FOR LIGHT WEIGHT AGGREGATE BAG PLACEMENT.

C / 4 — FISH DIP - PLAN
SCALE: 1"=15'
6-9, 11, 12

D / 31 — FISH DIP - SECTION
VERTICAL: 1"=4' / HORIZONTAL: 1"=8'



E / 31 — FISH DIP - SECTION
SCALE: 1"=15'

STATE OF LOUISIANA
L. CHRISTOPHER WILLIAMS
REG. No. 28579
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

REV.	DATE	DESCRIPTION	BY

moffatt & nichol
301 MAIN STREET, SUITE 800,
BATON ROUGE, LA 70801

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

DETAILS - 1 OF 3

DESIGNED BY: GS
APPROVED BY: CW
DRAWN BY: GE

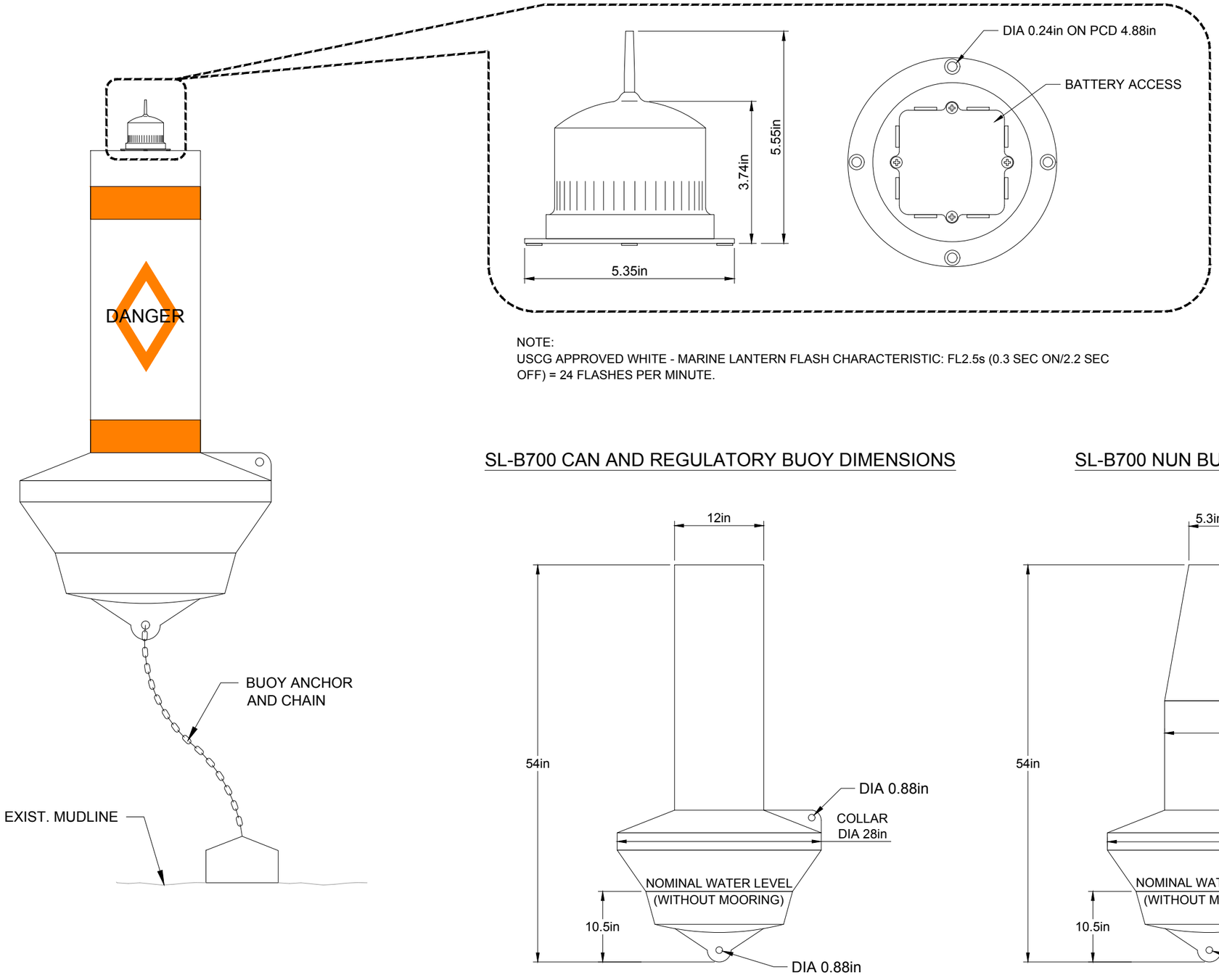
LaBRANCHE SHORELINE PROTECTION (PO-0194)

STATE PROJECT NUMBER: PO-0194

DATE: 07-04-2023

SHEET 31 OF 34

File: Q:\BR\212247\20 CADD_Active_Construction-SP\PO-0194_031 ; Plotted: 7/5/2023 12:41 PM by DURAN, JESUS ; Saved: 6/16/2023 11:35 AM by HGARCIA



NOTE:
USCG APPROVED WHITE - MARINE LANTERN FLASH CHARACTERISTIC: FL2.5s (0.3 SEC ON/2.2 SEC OFF) = 24 FLASHES PER MINUTE.

STATE OF LOUISIANA
L. CHRISTOPHER WILLIAMS
REG. No. 28579
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING
7/5/23

REV.	DATE	DESCRIPTION	BY

moffatt & nichol
301 MAIN STREET, SUITE 800,
BATON ROUGE, LA 70801

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

DETAILS - 2 OF 3

DESIGNED BY: GS
APPROVED BY: CW

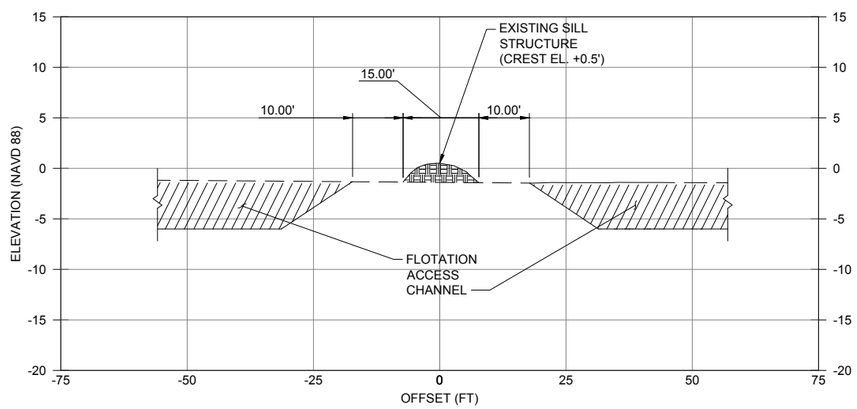
LaBRANCHE SHORELINE PROTECTION (PO-0194)

STATE PROJECT NUMBER: PO-0194
DRAWN BY: GE

DATE: 07-04-2023

SHEET 32 OF 34

File: Q:\BR\212247\20 CADD_Active_Construction-SP\PO-0194_032 ; Plotted: 7/5/2023 12:41 PM by DURAN, JESUS ; Saved: 5/5/2023 5:23 PM by GESPINO



X1
7

TYPICAL EXISTING SILL SECTION

HORZ SCALE: 1"=30' / VERT SCALE: 1"=15'

STATE OF LOUISIANA
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REG. No. 28579
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

7'-6" 0' 7'-6" 15
SCALE: 1"=15'

15' 0' 15' 30'
SCALE: 1"=30'

REV.	DATE	DESCRIPTION	BY

moffatt & nichol
301 MAIN STREET, SUITE 800,
BATON ROUGE, LA 70801

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

DETAILS - 3 OF 3

DESIGNED BY: GS
APPROVED BY: CW

LaBRANCHE SHORELINE PROTECTION (PO-0194)

STATE PROJECT NUMBER: PO-0194
DRAWN BY: GE

DATE: 07-04-2023

SHEET 33 OF 34

File: Q:\BR\212247\20 CADD_Active_Construction-SP\PO-0194_033 ; Plotted: 7/5/2023 12:41 PM by DURAN, JESUS ; Saved: 7/5/2023 12:05 PM by JDURAN

MAGNETOMETER TARGET COORDINATE TABLE		
POINT #	NORTHING	EASTING
1	564,245.00	3,613,895.00
2	564,141.00	3,614,276.00
3	564,024.00	3,614,277.00
4	563,937.00	3,613,666.00
5	563,935.00	3,614,034.00
6	566,901.00	3,603,099.00
7	567,073.00	3,602,246.00
8	567,419.00	3,602,588.00
9	567,399.00	3,602,585.00
10	567,372.00	3,602,574.00
11	568,046.00	3,603,010.00
12	567,270.00	3,602,542.00
13	567,204.00	3,602,535.00
14	566,674.00	3,605,200.00
15	566,767.00	3,605,509.00
16	566,390.00	3,606,971.00
17	565,960.00	3,609,347.00
18	566,376.00	3,611,247.00
19	563,545.00	3,612,526.00
20	565,578.00	3,613,545.00

MAGNETOMETER TARGET COORDINATE TABLE		
POINT #	NORTHING	EASTING
21	565,679.00	3,613,568.00
22	565,769.00	3,613,586.00
23	565,528.00	3,614,129.00
24	564,250.00	3,613,885.00
25	563,866.00	3,613,514.00
26	564,121.00	3,613,556.00
27	564,166.00	3,613,566.00
28	563,517.00	3,614,125.00
29	563,682.00	3,614,137.00
30	563,730.00	3,614,124.00
31	563,752.00	3,614,121.00
32	563,776.00	3,614,120.00
33	563,864.00	3,614,119.00
34	564,033.00	3,614,102.00
35	564,112.00	3,614,099.00
36	563,814.00	3,614,192.00
37	564,280.00	3,614,268.00
38	563,797.00	3,614,272.00
39	563,616.00	3,614,280.00
40	563,503.00	3,614,279.00

STATE OF LOUISIANA
L. CHRISTOPHER WILLIAMS
REG. No. 28579
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

REV.	DATE	DESCRIPTION	BY

moffatt & nichol
301 MAIN STREET, SUITE 800,
BATON ROUGE, LA 70801

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

MAGNETOMETER TARGET COORDINATE TABLE

DESIGNED BY: GS
APPROVED BY: CW

LaBRANCHE SHORELINE PROTECTION (PO-0194)

STATE PROJECT NUMBER: PO-0194
DRAWN BY: GE

DATE: 07-04-2023

SHEET 34 OF 34

File: Q:\BR\212247\20 CADD_Active_Construction-SP\PO-0194_034 ; Plotted: 7/5/2023 12:41 PM by DURAN, JESUS ; Saved: 6/26/2023 11:24 AM by HGARCIA