STATE OF LOUISIANA
COASTAL PROTECTION AND RESTORATION AUTHORITY

OAKS/AVERY HYDROLOGIC RESTORATION
REMOVAL & REPLACEMENT OF THE COW PATH WEIR
PROJECT NO. TV-13A
VERMILION PARISH

INDEX TO SHEETS

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7	TYPICAL SECTIONS & DETAILS

STATE OF LOUISIANA
INSET MAP

N

6 3 0' 6 12

SCALE: 1" = 6 MILES

STATE PROJECT SPONSOR

FEDERAL PROJECT SPONSOR

STATE OF LOUISIANA
NICHOLAS A. SONNIER
License No. 37716
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
5/23/23

LICENSURE CLASSIFICATION REQUIREMENTS

MAJOR CLASSIFICATION: HEAVY CONSTRUCTION
AND/OR
SPECIALTY CLASSIFICATION: COASTAL RESTORATION AND HABITAT ENHANCEMENT

REV.	DATE	DESCRIPTION	BY

SELLERS & ASSOCIATES, INC.
148-B EASY STREET
LAFAYETTE, LA 70506

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

TITLE SHEET

DESIGNED BY: N. SONNIER
APPROVED BY: T. VINCENT

OAKS/AVERY HYDROLIC RESTORATION ROCK MAINTENANCE

STATE PROJECT NUMBER: TV-13A
DRAWN BY: J. FABRE

DATE: MAY 2023

SHEET 1 OF 7

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GENERAL NOTES

1. ALL ELEVATIONS ARE GIVEN IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) (GEOID 12A), U. S. SURVEY FEET (FEET). ALL HORIZONTAL COORDINATES ARE GIVEN IN THE NORTH AMERICAN DATUM OF 1983 (NAD83, LOUISIANA STATE PLANE, SOUTH ZONE 1702, U. S. FEET). ELEVATIONS SHOWN ON PLANS ARE BASED ON SURVEYS PERFORMED IN SEPTEMBER 2021 AND MAY 2022 BY SELLERS & ASSOCIATES, INC. IMAGERY REPRODUCED FROM 2010 AERIAL PHOTOGRAPHY.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NAVIGATING FROM A NAVIGABLE WATER BODY TO THE PROJECT AREA. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR NAVIGATING WITHIN THE LIMITS OF THE PROJECT PLAN AREA. ACCESS DREDGING IS NOT PERMITTED. THE CPRA FIELD ENGINEER OR HIS REPRESENTATIVE SHALL MONITOR THE EQUIPMENT LOCATION DURING CONSTRUCTION.

3. ALL EQUIPMENT SHALL BE FLOATING AT ALL TIMES DURING THE TRANSIT TO AND FROM THE PROJECT SITE.

4. THE CONTRACTOR MUST CALL LOUISIANA ONE CALL AT (800) 272-3020 AT LEAST 5 WORKING DAYS PRIOR TO MOBILIZATION. THERE ARE NO KNOWN PIPELINES OR UTILITIES IN THE WORK AREA. IF PIPELINES OR UTILITIES ARE IDENTIFIED BY LOUISIANA ONE CALL, THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING PIPELINE AND UTILITY OPERATORS FIVE (5) WORKING DAYS PRIOR TO MOBILIZATION. ALL PIPELINES AND UNDERGROUND UTILITIES SHALL BE MARKED WITH BUOYS BY THE CONTRACTOR. THE CONTRACTOR SHALL MAINTAIN BUOYS DURING CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE CLEARANCES DICTATED BY THE PIPELINE AND UTILITY OWNER. NO EXCAVATION IS ALLOWED WITHIN ANY AREA RESTRICTED BY PIPELINE COMPANIES.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE FOLLOWING ADJACENT LANDOWNERS AT LEAST FIVE (5) WORKING DAYS PRIOR TO MOBILIZATION.

   TROY DUBOIS
   PHONE: (337) 229-9718
   E-MAIL: troy@delcambre.net

6. PLANS AND BID DOCUMENTS ARE COMPLEMENTARY; WHAT IS REQUIRED IN ONE IS AS BINDING AS IF REQUIRED BY ALL. CLARIFICATIONS AND INTERPRETATIONS OF, OR NOTIFICATIONS OF MINOR VARIATIONS AND DEVIATIONS IN THE CONTRACT DOCUMENTS, WILL BE ISSUED BY THE ENGINEER.

7. MEAN HIGH WATER (MHW) AND MEAN LOW WATER (MLW) WERE CALCULATED USING GAGE READINGS FROM USACE GAUGE, SCHOONER BAYOU CONTROL STRUCTURE - EAST (76600) AND THE NOAA GAGE, FRESHWATER BAYOU CANAL LOCKS (8766072) DURING THE TIDAL EPOCH OF 1983-2001. SINCE THIS GAGE IS REFERENCED TO THE MEAN LOW GULF DATUM, A CORRELATION IN THE VERTICAL DATUMS WAS APPLIED TO REPORT GAGE READINGS FOR THE PROJECT VERTICAL REFERENCED DATUM OF NAVD 88, GEOID 18, US FEET.

8. ROCK DIKES SHALL BE CONSTRUCTED ACCORDING TO THE ALIGNMENT COORDINATES AND CURVE DATA LISTED ON THE PLANS UNLESS CHANGES ARE APPROVED IN THE FIELD BY THE CPRA FIELD ENGINEER.

9. ANY DAMAGE TO EXISTING U.S. COAST GUARD NAVIGATION AIDS OR PRIVATE NAVIGATION AIDS SHALL BE REPAIRED BY THE CONTRACTOR TO U.S. COAST GUARD STANDARDS AT THE EXPENSE OF THE CONTRACTOR.

10. ESTIMATED ROCK QUANTITIES SHOWN ARE FOR BIDDING PURPOSES ONLY AND WERE CALCULATED ACCORDING TO CONDITIONS SURVEYED IN SEPTEMBER 2021 AND MAY 2022. THE IN-PLACE UNIT WEIGHT OF 1.5 TONS/CU. YDS. FOR THE ROCK WAS ASSUMED. ACTUAL QUANTITIES WILL BE BASED ON BARGE DISPLACEMENT MEASUREMENTS. SEE SECTION TS-702.12 "MEASUREMENT AND PAYMENT" FOR ADDITIONAL REQUIREMENTS. THE OWNER RESERVES THE RIGHT TO ADJUST QUANTITIES HIGHER OR LOWER WITHOUT ADJUSTMENT OF THE UNIT PRICE.

11. THE CONTRACTOR SHALL PERFORM A MAGNETOMETER SURVEY OF THE PROJECT AREA. DRAWINGS SHOWING THE TRACK LINES, ANY MAGNETOMETER HITS, COORDINATES, AMPLITUDE, SIGNATURE TYPE, AND SIGNATURE WIDTH OF ALL MAGNETOMETER HITS SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO MOBILIZATION. MAGNETOMETER LINES SHALL BE RUN PERPENDICULAR TO THE ROCK DIKE ALIGNMENT. THESE LINES SHALL EXTEND 25' BEYOND THE ROCK DIKE AND SHALL BE SPACED A MAXIMUM OF 500' APART. THE DRAWING SHALL BE STAMPED BY A REGISTERED PROFESSIONAL LAND SURVEYOR OR PROFESSIONAL ENGINEER LICENSED IN THE STATE OF LOUISIANA. SEE SECTION TS-201.2.5 "MAGNETOMETER SURVEY" FOR ADDITIONAL REQUIREMENTS.

BASE BID

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY
101	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	1
201	CONSTRUCTION SURVEYS	LUMP SUM	1
610	WOVEN GEOTEXTILE FABRIC	SQ. YARDS	1025
702	650 LB. CLASS ROCK	TONS	925
1001	REMOVAL OF EXISTING WEIR STRUCTURE	LUMP SUM	1
1002	REMOVAL AND REPLACEMENT OF NAVIGATION SIGN	EACH	1

ADDITIVE ALTERNATE NO. 1

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY
610	WOVEN GOETEXTILE FABRIC	SQ. YARDS	425
702	650 LB. CLASS ROCK	TONS	275

STATE OF LOUISIANA
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SELLERS & ASSOCIATES, INC.
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LAFAYETTE, LA 70506

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

GENERAL NOTES & SUMMARY OF ESTIMATED QUANTITIES

DESIGNED BY: N. SONNIER
APPROVED BY: T. VINCENT

OAKS/AVERY HYDROLIC RESTORATION ROCK MAINTENANCE

STATE PROJECT NUMBER: TV-13A
DRAWN BY: J. FABRE

DATE: MAY 2023

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PLAN LAYOUT-
OVERALL AREA

DESIGNED BY: N. SONNIER

APPROVED BY: T. VINCENT

OAKS/AVERY HYDROLIC
RESTORATION
ROCK MAINTENANCE

STATE PROJECT NUMBER: TV-13A

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DATE: MAY 2023

SHEET 3 OF 7

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CENTERLINE & TRANSECT COORDINATES		
POINT–STATION	NORTHING	EASTING
1 – 0+06.00	487,102.17	3,074,805.94
2 – 0+08.53	487,100.84	3,074,808.10
3 – 0+47.62	487,080.34	3,074,841.37
4 – 0+62.62	487,072.47	3,074,854.14
5 – 0+67.62	487,069.85	3,074,858.40
6 – 0+72.62	487,067.22	3,074,862.65
7 – 0+87.62	487,059.35	3,074,875.42
8 – 1+20.00	487,042.37	3,074,902.99
9 – 1+22.85	487,042.95	3,074,903.51
13	486,944.99	3,074,817.07
14	486,959.52	3,074,897.41

50' 25' 0 50' 100'

SCALE: 1" = 50'

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5/23/23

LEGEND

REQ'D ROCK DIKE

1 CENTERLINE COORDINATES

SECTION VIEW
HORIZONTAL GRAPHIC SCALE
20' 10' 0 20' 40'
10' 5' 0 10' 20'
VERTICAL GRAPHIC SCALE

ALIGNMENT PROFILE

NOTES

1. SCOUR PROTECTION TO BE INSTALLED FROM TOP BANK TO TOP BANK AS APPROVED BY THE ENGINEER IN THE FIELD. SEE SECTIONS A–A AND B–B ON SHEET 7.

2. SURVEY TRANSECTS ARE NOT SHOWN IN PLAN VIEW FOR CLARITY. TRANSECTS SHALL BE TAKEN AT THE STATIONS LISTED IN THE TABLE AND EXTEND 100' FROM THE CENTERLINE IN EACH DIRECTION WITH SURVEY POINTS AT 10' INTERVALS.TRANSECTS NOT REQUIRED AT POINTS 2, 5, 8, 13, AND 14.

REV.	DATE	DESCRIPTION	BY

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COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
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PLAN & SECTION VIEW
BASE BID

DESIGNED BY: N. SONNIER
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OAKS/AVERY HYDROLIC RESTORATION ROCK MAINTENANCE

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DATE: MAY 2023

SHEET 4 OF 7

N:\DATA\9410\9410-03 BES\9410-03 PLANS\9410-03 Plan Sheets.dwg May 23,2023 15:24

CENTERLINE & TRANSECT COORDINATES		
POINT–STATION	NORTHING	EASTING
1 – 0+06.00'	487,102.17	3,074,805.94
2 – 0+08.53'	487,100.84	3,074,808.10
3 – 0+47.62	487,080.34	3,074,841.37
4 – 0+62.62	487,072.47	3,074,854.14
5 – 0+67.62	487,069.85	3,074,858.40
6 – 0+72.62	487,067.22	3,074,862.65
7 – 0+87.62	487,059.35	3,074,875.42
8 – 1+20.00'	487,042.37	3,074,902.99
10 – 1+59.43'	487,071.80	3,074,929.22
11 – 1+95.43'	487,098.68	3,074,953.17
12 – 1+98.73'	487,102.84	3,074,956.88
13	486,944.99	3,074,817.07
14	486,959.52	3,074,897.41

50' 25' 0 50' 100'
SCALE: 1" = 50'

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ALIGNMENT PROFILE

LEGEND

REQ'D ROCK DIKE

1 CENTERLINE COORDINATES

SECTION VIEW
HORIZONTAL GRAPHIC SCALE
20' 10' 0 20' 40'
10' 5' 0 10' 20'
VERTICAL GRAPHIC SCALE

NOTES:

1. SCOUR PROTECTION TO BE INSTALLED FROM TOP BANK TO TOP BANK AS APPROVED BY THE ENGINEER IN THE FIELD. SEE SECTIONS A–A AND B–B ON SHEET 7.
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PLAN & SECTION VIEW
BASE BID & ALT. NO. 1

DESIGNED BY: N. SONNIER
APPROVED BY: T. VINCENT

OAKS/AVERY HYDROLIC RESTORATION
ROCK MAINTENANCE

STATE PROJECT NUMBER: TV-13A
DRAWN BY: J. FABRE

DATE: MAY 2023

SHEET 5 OF 7

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NOTE:
ELEVATIONS SHOWN ON THIS SHEET ARE GIVEN IN THE ORIGINAL PROJECT'S VERTICAL DATUM OF NAVD88 (GEOID99).

TYPICAL CROSS-SECTION OF EXISTING STEEL SHEET PILE WEIR
(TO BE REMOVED)

NOTE:
WORK INCLUDED IN ITEM NO. 1001-REMOVAL OF EXISTING WEIR STRUCTURE SHALL INCLUDE THE REMOVAL OF THE EXISTING SHEET PILES, TIMBER, HARDWARE, AND TIMBER PILES (IF PRESENT). THE CONTRACTOR SHALL ATTEMPT TO COMPLETELY REMOVE THE ENTIRE STRUCTURE. SHEET PILES OR TIMBER PILES (IF PRESENT) THAT ARE NOT ENTIRELY REMOVED SHALL BE CUT TO ONE (1) FOOT BELOW THE CURRENT MUD LINE.

HORIZONTAL GRAPHIC SCALE
20' 10' 0 20' 40'
20' 10' 0 20' 40'
VERTICAL GRAPHIC SCALE

STATE OF LOUISIANA
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PLAN & SECTION VIEW
REMOVAL OF EXISTING WEIR

DESIGNED BY: N. SONNIER
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OAKS/AVERY HYDROLIC RESTORATION
ROCK MAINTENANCE

STATE PROJECT NUMBER: TV-13A
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SHEET 6 OF 7

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SECTION A–A

SECTION B–B

SECTION C–C

HORIZONTAL GRAPHIC SCALE

50' 25' 0 50' 100'

10' 5' 0 10' 20'

VERTICAL GRAPHIC SCALE

LEGEND

REQ'D ROCK DIKE

WOVEN GEOTEXTILE LAYOUT

NOT TO SCALE

WOVEN GEOTEXTILE FABRIC NOTES:

1. THE WOVEN GEOTEXTILE FABRIC SHALL OVERLAP ROCK DIKE EDGE BY A MINIMUM OF ONE (1) FOOT AND A MAXIMUM OF THREE (3) FEET ON EACH SIDE. ANY SEAM PARALLEL TO ROCK DIKE CENTERLINE SHALL BE SEWN. THE MINIMUM OVERLAP AT THE ROLL/GEOTEXTILE PANEL ENDS, PERPENDICULAR TO ROCK DIKE CENTERLINE, SHALL BE FIVE (5) FEET UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. THE GEOTEXTILE WIDTH SHOWN INCLUDES A 3' EXTENSION ON EACH SIDE OF THE ROCK DIKE.
3. SEE TS-610 "WOVEN GEOTEXTILE FABRIC" FOR ADDITIONAL REQUIREMENTS.

ELEVATION SIDE

REMOVE AND RELOCATE NAVIGATION SIGN

NOT TO SCALE

REMOVE AND RELOCATE NAVIGATION SIGN NOTES:

1. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO AVOID DAMAGING THE EXISTING SIGNS, HARDWARE, PILE COVERING, AND TIMBER PILE. THE CONTRACTOR SHALL REPLACE ANY DAMAGED PARTS AT NO ADDITIONAL COST TO THE OWNER.
2. THE EXISTING SIGN, HARDWARE, AND PILE COVERING SHALL BE REMOVED PRIOR TO REMOVING THE TIMBER PILE TO AVOID DAMAGING THE EXISTING SIGNS.
3. AFTER REMOVING THE EXISTING PILE, THE PILE SHALL BE DRIVEN IN THE NEW LOCATION TO THE TOP ELEVATION SHOWN ON THE DETAIL.
4. THE CONTRACTOR SHALL DRILL ANY HOLES NECESSARY TO PLACE THE SIGNS FACING THE APPROPRIATE DIRECTION ON THE TIMBER PILE AFTER INSTALLING.

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TYPICAL SECTIONS & DETAILS

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OAKS/AVERY HYDROLIC RESTORATION ROCK MAINTENANCE

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SHEET 7 OF 7

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