Operations Division  
Western Evaluation Section

SEP 03 2013

SUBJECT: MVN-2011-00954-WPP

United States Fish and Wildlife Service  
646 Cajundome Blvd., Suite 400  
Lafayette, Louisiana 70506

Dear Gentlemen:

We are forwarding a draft copy of a permit, subject as above, which will authorize work under the Department of the Army permit program, after signed by a responsible official of this office.

The unsigned, undated copy of the permit is enclosed. You must sign and date the permit, signifying acceptance of the terms and conditions therein, and return the signed permit to this office. Upon receipt of the permit, the permit will be signed by the responsible official and will be returned to you.

RETURN TO: US ARMY CORPS OF ENGINEERS, REGULATORY BRANCH, WESTERN EVALUATION SECTION, POST OFFICE BOX 60267, NEW ORLEANS, LOUISIANA 70160-0267.

YOU ARE ADVISED THAT YOU HAVE NO VALID PERMIT, AND NO WORK MAY BE PERFORMED UNTIL YOU RECEIVE THE ORIGINAL OF THE PERMIT SIGNED BY A RESPONSIBLE OFFICIAL OF THIS OFFICE.

Before signing and returning the permit to this office, carefully consider the information contained in the permit. ALSO, CAREFULLY CONSIDER THE INFORMATION CONTAINED IN THE ATTACHED FORM "NOTIFICATION OF APPLICANT OPTION (NAO)" WHICH LISTS THE OPTIONS AVAILABLE TO YOU IN YOUR EVALUATION OF THE ENCLOSED PERMIT.
IF YOU CHOOSE TO ACCEPT THE TERMS AND CONDITIONS OF THIS PERMIT, YOU MUST SIGN AND RETURN THIS PERMIT WITH THE DRAWINGS, TOGETHER WITH THE PROCESSING FEE, WITHIN 60 DAYS OF THE DATE OF THIS LETTER. IF YOU FAIL TO DO SO, WE WILL ASSUME YOU NO LONGER PLAN TO DO THE WORK COVERED BY THE DRAFT PERMIT, AND YOUR APPLICATION WILL BE REMOVED FROM OUR FILES.

Sincerely,

[Signature]

Martin S. Mayer
Chief, Regulatory Branch

Enclosure
NOTIFICATION OF ADMINISTRATIVE APPEAL OPTIONS AND PROCESS AND REQUEST FOR APPEAL

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<th>File No.: MVN-2011-00954-WPP</th>
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<td>X</td>
<td>INITIAL PROFFERED PERMIT (Standard Permit or Letter of permission)</td>
<td>A</td>
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<td>PROFFERED PERMIT (Standard Permit or Letter of permission)</td>
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<td>C</td>
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<tr>
<td>PRELIMINARY JURISDICTIONAL DETERMINATION</td>
<td>E</td>
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SECTION I - The following identifies your rights and options regarding an administrative appeal of the above decision. Additional information may be found at http://www.usace.army.mil/cecw/pages/reg_materials.aspx or Corps regulations at 33 CFR Part 331.

A: INITIAL PROFFERED PERMIT: You may accept or object to the permit.
   • ACCEPT: If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
   • OBJECT: If you object to the permit (Standard or LOP) because of certain terms and conditions therein, you may request that the permit be modified accordingly. You must complete Section II of this form and return the form to the district engineer. Your objections must be received by the district engineer within 60 days of the date of this notice, or you will forfeit your right to appeal the permit in the future. Upon receipt of your letter, the district engineer will evaluate your objections and may: (a) modify the permit to address all of your concerns, (b) modify the permit to address some of your objections, or (c) not modify the permit having determined that the permit should be issued as previously written. After evaluating your objections, the district engineer will send you a proffered permit for your reconsideration, as indicated in Section B below.

B: PROFFERED PERMIT: You may accept or appeal the permit
   • ACCEPT: If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
   • APPEAL: If you choose to decline the proffered permit (Standard or LOP) because of certain terms and conditions therein, you may appeal the declined permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

C: PERMIT DENIAL: You may appeal the denial of a permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

D: APPROVED JURISDICTIONAL DETERMINATION: You may accept or appeal the approved JD or provide new information.
   • ACCEPT: You do not need to notify the Corps to accept an approved JD. Failure to notify the Corps within 60 days of the date of this notice, means that you accept the approved JD in its entirety, and waive all rights to appeal the approved JD.
   • APPEAL: If you disagree with the approved JD, you may appeal the approved JD under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

E: PRELIMINARY JURISDICTIONAL DETERMINATION: You do not need to respond to the Corps regarding the preliminary JD. The Preliminary JD is not appealable. If you wish, you may request an approved JD (which may be appealed), by contacting the Corps district for further instruction. Also you may provide new information for further consideration by the Corps to reevaluate the JD.
**SECTION II - REQUEST FOR APPEAL or OBJECTIONS TO AN INITIAL PROFFERED PERMIT**

**REASONS FOR APPEAL OR OBJECTIONS:** (Describe your reasons for appealing the decision or your objections to an initial proffered permit in clear concise statements. You may attach additional information to this form to clarify where your reasons or objections are addressed in the administrative record.)

**ADDITIONAL INFORMATION:** The appeal is limited to a review of the administrative record, the Corps memorandum for the record of the appeal conference or meeting, and any supplemental information that the review officer has determined is needed to clarify the administrative record. Neither the appellant nor the Corps may add new information or analyses to the record. However, you may provide additional information to clarify the location of information that is already in the administrative record.

**POINT OF CONTACT FOR QUESTIONS OR INFORMATION:**

If you have questions regarding this decision and/or the appeal process you may contact:

Darrell S. Barbara (504)862-2261  
Chief, Western Evaluation Section  
U.S. Army Corps of Engineers  
P.O. Box 60627  
New Orleans, LA 70160

If you only have questions regarding the appeal process you may also contact the Division Engineer through:

Administrative Appeals Review Officer  
Mississippi Valley Division  
P.O. Box 80 (1400 Walnut Street)  
Vicksburg, MS 39181-0080  
601-634-5821  FAX: 601-634-5816

**RIGHT OF ENTRY:** Your signature below grants the right of entry to Corps of Engineers personnel, and any government consultants, to conduct investigations of the project site during the course of the appeal process. You will be provided a 15 day notice of any site investigation, and will have the opportunity to participate in all site investigations.

| Signature of appellant or agent. | Date: | Telephone number: |
DEPARTMENT OF THE ARMY PERMIT

Permittee: United States Fish and Wildlife Service

Permit No. MVN-2011-00954-WPP

Issuing Office: New Orleans District

NOTE: The term "you" and its derivatives, as used in this permit, means the permittee or any future transeree. The term "this office" refers to the appropriate district or division office of the Corps of Engineers having jurisdiction over the permitted activity or the appropriate official of that office acting under the authority of the commanding officer.

You are authorized to perform work in accordance with the terms and conditions specified below.

Project Description: To create emergent marsh in the Terrebonne Basin, in the vicinity of Lost Lake in marsh creation areas 1, 2A, 2B, 2C, and 3, totaling approximately 442 acres, constructed using dredged sediment pumped from borrow areas in Lost Lake to fill open water and broken marsh areas along Bayou Decade and Lake Pagie, in accordance with attached plans: Sheets 1-5 and sheets 7-25 dated November 1, 2012 and sheet 6 dated July 2012.

Project Location: Latitude 29° 20'27.640", Longitude 91° 1'27.290", Section(s) 1,2,3,4,5,6, T20S, R14E, and Section(s) 20,21,28,29,32,33,34, T19S, R14E, in Lost Lake, in Terrebonne Parish, Louisiana.

Permit Conditions:

General Conditions:

1. The time limit for completing the work authorized ends on September 30, 2018. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least 1 month before the above date is reached.

2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.

3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and State coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

4. If you sell the property associated with this permit, you must obtain the signature of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.
5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.

6. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

**Special Conditions: See Attached Pg 4.**

Further Information:

1. Congressional Authorities: You have been authorized to undertake the activity described above pursuant to:

   (X) Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403).
   (X) Section 404 of the Clean Water Act (33 U.S.C. 1344).

2. Limits of this authorization.
   a. This permit does not obviate the need to obtain other Federal, State, or local authorizations required by law.
   b. This permit does not grant any property rights or exclusive privileges.
   c. This permit does not authorize any injury to the property or rights of others.
   d. This permit does not authorize interference with any existing or proposed Federal project.

3. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:
   a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.
   b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.
   c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.
   d. Design or construction deficiencies associated with the permitted work.
   e. Damage claims associated with any future modification, suspension, or revocation of this permit.

4. Reliance on Applicant's Data: The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.
5. Reevaluation of Permit Decision. This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

   a. You fail to comply with the terms and conditions of this permit.

   b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (See 4 above).

   c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you to comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

6. Extensions. General condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give favorable consideration to a request for an extension of this time limit.

Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.

X ___________________________ X ___________________________
(PERMITTEE) (DATE)

This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.

__________________________________________________________
(DATE)

Darrell S. Barbara, Chief Western Evaluation Section

for Richard L. Hansen, District Commander

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

______________________________ ___________________________
(TRANSFEREE) (DATE)
7. Any alterations or modifications to the permitted plan must be submitted to the Corps for re-evaluation prior to beginning work. If the authorized project requires additional structures or facilities not expressly permitted herein, you must obtain a separate approval for those facilities or structures not shown on the attached drawings.

8. Many local governing bodies have instituted laws and/or ordinances in order to regulate dredge and/or fill activities in floodplains to assure maintenance of floodwater storage capacity and avoid disruption of drainage patterns that may affect surrounding properties. Your project involves dredging and/or placement of fill; therefore, you must contact the local municipal and/or parish governing body regarding potential impacts to floodplains and compliance of your proposed activities with local ordinances, regulations, or permits.

9. Permittee shall install temporary sedimentation and erosion control measures to include sediment filter fence, stabilized construction methods and entrances, hay bales, construction sequencing, etc. Permittee shall insure that the proper installation of all sediment and erosion control measures indicated above are being adequately utilized, including the installation of hay bales adjacent to the silt fence in order to reduce the sedimentation rates into waters of the US.

10. The Chitimacha Tribe of Louisiana has stated that the project area is part of the aboriginal Chitimacha homelands. If during the course of work at the site, prehistoric and/or historic aboriginal cultural materials are discovered, the permittee will contact the Chitimacha Tribe of Louisiana at P.O. Box 661, Clarenston, LA 70523, and the Army Corps of Engineers, New Orleans District (CEMVN) Regulatory Branch. CEMVN will initiate the required Federal, State, and Tribal coordination to determine the significance of the cultural materials and the need, if applicable, for additional cultural resource investigations.

11. The containment dikes will be gapped at the completion of construction activities before the contractor demobilizes from the site. Gaps will be excavated down to surrounding marsh elevation (approximately +1.0 feet) and will be 25 feet wide. Gaps will be placed at the best possible locations to promote tidal exchange with the surrounding wetlands and will occur at a minimum spacing of 500 feet. Gaps will not be created along the Lake Pagnol shoreline as wave energy which may enter through those gaps might result in excessive removal of the newly-placed dredged material. A gapping or containment dike degradation plan will be coordinated with interested natural resource agencies. The permittee shall be required to inform the CEMVN, and the National Marine Fisheries, attention Lisa Abernathy at 225-389-0508 extension 209, when construction of the gaps has been completed.
STATE OF LOUISIANA
COASTAL PROTECTION AND RESTORATION AUTHORITY

LOST LAKE MARSH CREATION AND HYDROLOGIC RESTORATION PROJECT
TE-72
TERREBONNE PARISH

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NOT FOR CONSTRUCTION
DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE, OR SALES.

PROFESSIONAL ENGINEER
JASON LANCLOS
LICENSE No. ??

COASTAL PROTECTION AND RESTORATION AUTHORITY
430 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

APPLICATION BY:
UNITED STATES FISH AND WILDLIFE SERVICE
649 CALDWELL BLVD SUITE 400
LAFAYETTE, LA 70506

DESIGNED BY: TRAVIS BYLAND E.I
APPROVED BY: JASON LANCLOS, P.E

FEDERAL PROJECT NUMBER: TE-72
STATE PROJECT NUMBER: TE-72
DATE: NOVEMBER 2012

DRAWN BY: SHANE FAUST

SHEET 1 OF 25
BORROW AREA 2 COORDINATES

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BORROW AREA 1 COORDINATES

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NOTES:
1. BORROW AREA 1 CONTAINS APPROXIMATELY 7,460,572.00 CUBIC YARDS OF MATERIAL.
2. BORROW AREA 2 CONTAINS APPROXIMATELY 259,819.75 CUBIC YARDS OF MATERIAL.

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

APPLICATION BY:
UNITED STATES FISH AND WILDLIFE SERVICE
645 CAYUGA DRIVE SUITE 400
LAFAYETTE, LA 70506

DEIGNED BY: TRAVIS BYLAND, E.I.
APPROVED BY: JASON LANCLOS, P.E.
FEDERAL PROJECT NUMBER: TE-72

DATE: NOVEMBER 2012
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COASTAL PROTECTION AND RESTORATION AUTHORITY
430 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

APPLICATION BY:
UNITED STATES FISH AND WILDLIFE SERVICE
6410 WILSON DRIVE, 4410 ARENA DRIVE
LAFFAYETTE, LA 70506

DRAWN BY: SHANE FAUST
DESIGNED BY: TRAVIS BYLAND, E.I.
APPROVED BY: JASON LANLUS, P.E.

STATE PROJECT NUMBER: TE-72
DATE: NOVEMBER 2012

LOST LAKE MARSH CREATION AND HYDROLOGIC RESTORATION PROJECT
TERRACE COORDINATES

FEDERAL PROJECT NUMBER: TE-72
SHEET 8 OF 26
NOTES:
1. A TWO LIFT SYSTEM IS REQUIRED TO MEET THE MARSH FILL DESIGN HEIGHT.
2. A MINIMUM WAITING PERIOD OF THIRTY (30) DAYS FROM THE COMPLETION OF MARSH FILL
   LIFT 1 SHOULD OCCUR PRIOR TO THE PLACEMENT OF THE MARSH FILL OF LIFT 2.
3. DISCHARGE SHALL BE DIRECTED TO RETAIN AS MUCH MATERIAL AS POSSIBLE.

COASTAL PROTECTION AND
RESTORATION AUTHORITY
439 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

APPLICATION BY:
UNITED STATES FISH AND WILDLIFE SERVICE
649 CALUMET ave., SUITE 400
LAFAYETTE, LA. 70508

DESIGNED BY: TRAVIS BYLAND, P.E.
APPROVED BY: JASON LANCLOS, P.E.

STATE PROJECT NUMBER: TE-72
FEDERAL PROJECT NUMBER: TE-72
DATE: NOVEMBER 2012
NOTE:
EXACT LOCATION OF THE EARTHEN TERRACES SHALL BE DETERMINED ON SITE AND WILL NOT DISTURB ANY EXISTING MARSH.

TYPICAL EARTHEN TERRACE

NOTE:
EXACT LOCATION OF THE EARTHEN TERRACES SHALL BE DETERMINED ON SITE AND WILL NOT DISTURB ANY EXISTING MARSH.

TYPICAL EARTHEN TERRACE

APPLICATION BY:
UNITED STATES FISH AND WILDLIFE SERVICE
646 CASUARINA BLVD. SUITE 400
LAFAYETTE, LA. 70508

COASTAL PROTECTION AND RESTORATION AUTHORITY
430 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DESIGNED BY: TRAVIS BYLAND, E.I.

LCST LAKE MARSH CREATION AND HYDROLOGICAL RESTORATION PROJECT
STATE PROJECT NUMBER: TE-72

APPROVED BY: JASON LANCLOS, P.E.

TYPICAL EARTHEN TERRACE
SECTION

FEDERAL PROJECT NUMBER: TE-72

DATE: NOVEMBER 2012

DRAWN BY: SHANE FAUST

SHEET 13 OF 26
NOTES:
1. Containment dikes shall be constructed using in-situ material.
2. No dredging will be allowed within 15.0' of the containment dike to
   earthen containment dike borrow areas.

MARSH CREATION AREAS 1, 2A, 2B, 2C & 3
EARTHEN CONTAINMENT DIKE
DETAIL

ELEVATION (FT. NAVD88)

MHW = +1.44'
MLW = +0.27'

EL. = +4.5' (MAX.)

4.0'

15.0' (MIN.)

EL. = -10.0' (MAX.)

MARSH FILL
LIFT 2 EL. = +3.5' (MAX.)

LIFT 1 EL. = +1.5' (MAX.)

EXISTING GROUND

EARTHEN CONTAINMENT DIKE
BORROW AREA

HORIZONTAL GRAPHIC SCALE

60'
30'
60'
120'
0
12'
6'
3'
0
6'
3'

VERTICAL GRAPHIC SCALE

APPLICATION BY:
UNITED STATES FISH AND WILDLIFE SERVICE
640 CAJUNGROVE BLVD SUITE 400
LAFAYETTE, LA 70508

COASTAL PROTECTION AND
RESTORATION AUTHORITY
459 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

LOST LAKE MARSH CREATION AND
HYDROLOGICAL RESTORATION PROJECT

MARSH CREATION DETAIL

STATE PROJECT NUMBER: TE-72
DATE: NOVEMBER 2012

FEDERAL PROJECT NUMBER: TE-72

DRAWN BY: SHANE FAUST
DESIGNED BY: TRAVIS BYLAND, E.I.
APPROVED BY: JASON LANCLOS, P.E.

SHEET 14 OF 24
TYPICAL TERRACE PLANTING SECTION
(NTS)

NOTES:
1. EXACT LOCATION OF THE PLANTS SHALL BE DETERMINED ON SITE BY CPRA DURING PRE-CONSTRUCTION LAYOUT.
2. NO EQUIPMENT MAY ALTER THE EXISTING CONDITIONS OF THE NEWLY CREATED TERRACE OR DISTURB EXISTING VEGETATION.
3. THE SMOOTH CORDGRASS SHALL BE PLANTED ON THREE FOOT CENTERS IN ROWS AS SHOWN ON THE PLANS.
4. THE PASPALUM SHALL BE PLANTED ON FIVE FOOT CENTERS IN ROWS AS SHOWN ON THE PLANS.

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LOST LAKE MARSH CREATION AND HYDROLOGICAL RESTORATION PROJECT

PLANTING LAYOUT AND DETAIL

STATE PROJECT NUMBER: TE-72
DATE: NOVEMBER 2012

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SHEET 15 OF 26
NOTE: ALL ELEVATIONS ARE NAVO 88 IN US FEET

MHW = 1.46 FT.
MLW = 0.27 FT.

21 SPACES @ 7' = 147'
TOTAL WEA LENGTH
4 SPACES @ 7' = 28'
14 SPACES @ 7' = 98'
3 SPACES @ 7' = 21'

PILE LAYOUT PLAN
SCALE: 1' = 25'

CREST ELEV. = -10
EXCAVATE & PLACE ON SITE

F WIDE BAY (Typ.)
EXCAVATE & PLACE ON SITE
EXISTING GROUND

PROPOSED GROUND (F'ERP RAP PLACED ON TOP NOT SHOWN FOR CLARITY)

12'' DIA. x 60' TIMBER PIN, W/S
TOP ELEV. 4720 (Typ.)

CHANNEL BOTTOM
CHANNEL BOTTOM

ELEVATION
SCALE: 1' = 25'

SHEET PINING

PRELIMINARY

SIGMA ENGINEERING GROUP, INC.
COASTAL PROTECTION AND RESTORATION AUTHORITY

DRAFTS: WP 90849
DRAWN: DB 90849
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DRAWN: DB 90849
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