

JOINT PUBLIC NOTICE

October 5, 2015

United States Army
Corps of Engineers
New Orleans District
Regulatory Branch
Post Office Box 60267
New Orleans, Louisiana 70160-0267

(504) 862-2225
Brad.LaBorde@usace.army.mil
Project Manager
Brad LaBorde
Permit Application Number
MVN 2014-2756 EOO

State of Louisiana
Department of Environmental Quality
ATTN: Water Quality Certifications
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

(225) 219-3225
Project Manager
Elizabeth Hill
WQC Application Number
WQC 150925-01

Interested parties are hereby notified that a permit application has been received by the New Orleans District of the U.S. Army Corps of Engineers pursuant to: [X] Section 10 of the Rivers and Harbors Act of March 3, 1899 (30 Stat. 1151; 33 USC 403); and/or [X] Section 404 of the Clean Water Act (86 Stat. 816; 33 USC 1344).

Application has also been made to the Louisiana Department of Environmental Quality, Water Quality Certifications, for a Water Quality Certification (WQC) in accordance with statutory authority contained in LRS30:2047 A(3), and provisions of Section 401 of the Clean Water Act (P.L.95-17).

Living Shoreline Project Near Grand Isle, Louisiana

NAME OF APPLICANT: CPRA, Attn: Justin Merrifield, Post Office Box 44027, Baton Rouge, Louisiana, 70804.

LOCATION OF WORK: At two locations within Caminada Pass and adjacent to the Grand Isle shoreline, in Jefferson Parish, Louisiana, as shown on the enclosed drawings.

Structure 1 Latitude: 29.2242, Longitude: -90.0452
Structure 2 Latitude: 29.2087, Longitude: -90.0614
Hydrologic Unit Code: 08090301 - East Central Louisiana Coastal

CHARACTER OF WORK: The applicant proposes to install and maintain artificial oyster reef structures extending 970 linear feet at structure 1 and 560 linear feet at structure 2 in order to dissipate wave energy, reduce erosion, and provide marine habitat at the adjacent eroding shoreline. Construction would require a temporary access/flotation channel which would be excavated to 8 feet and sidecast on the open water side of the channel via bucket dredge. Upon completion, the temporary dredged material would be backfilled to pre-construction elevations. Navigation would be maintained at existing waterways with proper signage designating construction areas.

In total, this action would permanently impact 0.93 acres of waterbottoms for the structure, 29.9 acres of waterbottoms for the temporary access/flotation channel, and 37.6 acres of waterbottoms for the temporary disposal area. No wetland impacts are anticipated with the project. No compensatory mitigation has been proposed.

The comment period for the Department of the Army Permit and the Louisiana Department of Environmental Quality WQC will close **20 days** from the date of this joint public notice. Written comments, including suggestions for modifications or objections to the proposed work, stating reasons thereof, are being solicited from anyone having interest in this permit and/or this WQC request and must be mailed so as to be received before or by the last day of the comment period. Letters concerning the Corps of Engineers permit application must reference the applicant's name and the Permit Application Number, and be mailed to the Corps of Engineers at the address above, **ATTENTION: REGULATORY BRANCH**. **Individuals or parties may request an extension of time in which to comment on the proposed work by writing or e-mailing the Corps of Engineers Project Manager listed above. Any request must be specific and substantively supportive of the requested extension, and received by this office prior to the end of the initial comment period. The Section Chief will review the request and the requestor will be promptly notified of the decision to grant or deny the request. If granted, the time extension will be continuous to the initial comment period and, inclusive of the initial comment period, will not exceed a total of 30 calendar days.**

The application for this proposed project is on file with the Louisiana Department of Environmental Quality and may be examined during weekdays between 8:00 a.m. and 4:30 p.m. Copies may be obtained upon payment of costs of reproduction.

Corps of Engineers Permit Criteria

The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

The U.S. Army Corps of Engineers is soliciting comments from the public, federal, state, and local agencies and officials, Indian Tribes, and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the U.S. Army Corps of Engineers to determine whether to make, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

The New Orleans District is unaware of properties listed on the National Register of Historic Places near the proposed work. The possibility exists that the proposed work may damage or destroy presently unknown archeological, scientific, prehistorical, historical sites, or data. Issuance of this public notice solicits input from the State Archeologist and State Historic Preservation Officer regarding potential impacts to cultural resources.

It has been determined that this project would take place in waters that may impact the following Federally listed threatened and endangered species: the green (*Chelonia mydas*), hawksbill (*Eretmochelys imbricata*), Kemp's ridley (*Lepidochelys kempii*), leatherback (*Dermochelys coriacea*),

and loggerhead (*Caretta caretta*). Each of the listed species is mobile and apt to avoid noise and disturbance created by the work activity. If required, the applicant has agreed to implement NOAA National Marine Fisheries Service's (NMFS) '2006 Sea Turtle and Smalltooth Sawfish Construction Conditions'. With this information, the Corps' preliminary determination is that the project is "Not Likely to Adversely Affect" these five species. Concurrence for this determination will be requested via an informal consultation with NMFS.

In addition, the construction area is known to be utilized by the West Indian manatee (*Trichechus manatus*). The West Indian manatee is listed as endangered by the U.S. Department of Interior. Our initial finding is that the proposed work is "not likely to adversely affect" the West Indian manatee. Concurrence has been received from the U.S. Fish and Wildlife Service per the Standard Local Operating Procedure for Endangered Species in Louisiana, dated October 22, 2014. If authorized, "The Standard Manatee Conditions for In-Water Activities" will be made part of the permit's special conditions.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The applicant's proposal would result in the destruction or alteration of **68.4** acres of EFH utilized by various life stages of red drum and penaeid shrimp. Our initial determination is that the proposed action would not have a substantial adverse impact on EFH or federally managed fisheries in the Gulf of Mexico. Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the National Marine Fisheries Service.

If the proposed work involves deposits of dredged or fill material into navigable waters, the evaluation of the probable impacts will include the application of guidelines established by the Administrator of the Environmental Protection Agency. Also, a certification that the proposed activity will not violate applicable water quality standards will be required from the Department of Environmental Quality, Water Quality Certifications, before a permit is issued.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

The applicant has certified that the proposed activity described in the application complies with and will be conducted in a manner that is consistent with the Louisiana Coastal Resources Program. The Department of the Army permit will not be issued unless the applicant received approval or a waiver of the Coastal Use Permit by the Department of Natural Resources.

You are requested to communicate the information contained in this notice to any other parties whom you deem likely to have interest in the matter.

Michael V. Farabee
Chief, Eastern Evaluation Section

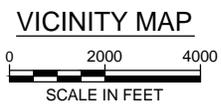
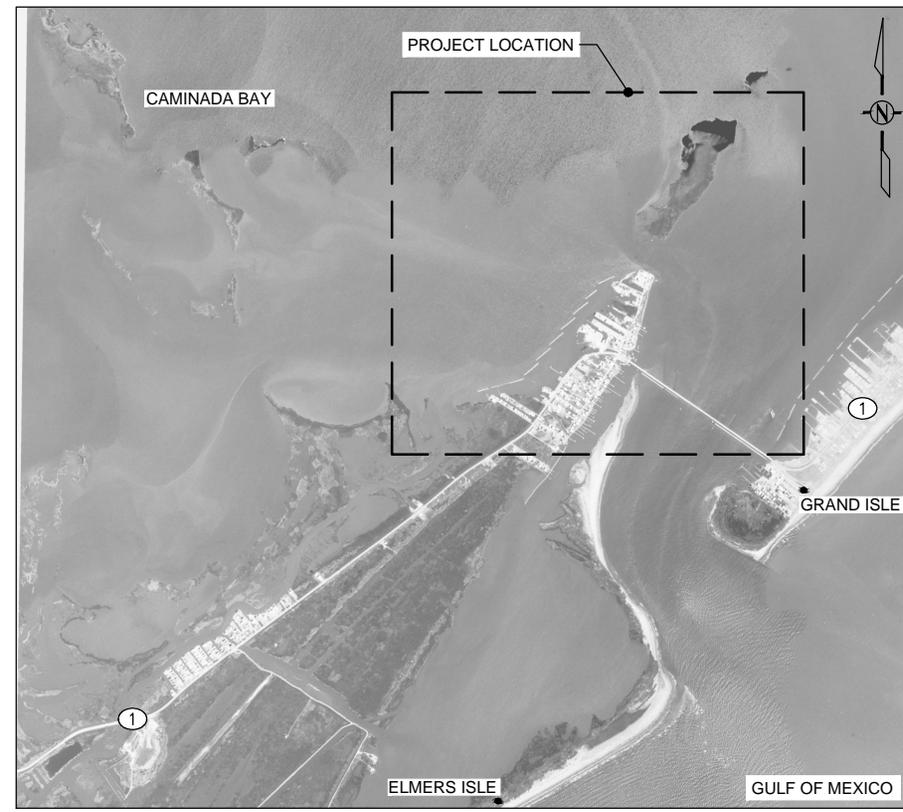
Enclosure

PERMIT PLANS

STATE OF LOUISIANA
COASTAL PROTECTION AND RESTORATION AUTHORITY

LIVING SHORELINE
DEMONSTRATION PROJECT
STATE PROJECT NUMBER PO-148
JEFFERSON PARISH, LOUISIANA

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6	GENERAL REEF BREAKWATER DETAIL
7	TYPICAL ACCESS CHANNEL DETAILS



APPLICATION BY:
**COASTAL PROTECTION
AND RESTORATION
AUTHORITY**
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

 **COAST & HARBOR
ENGINEERING**
A Division of Hatch Mott MacDonald
650 POYDRAS ST, NEW ORLEANS, LA 70130
PH 504-529-7687 * FAX 504-529-7688

 **TETRA TECH, INC.**
748 MAIN ST,
BATON ROUGE, LA 70802
(225) 383-1780

LIVING SHORELINE
DEMONSTRATION PROJECT
JEFFERSON PARISH, LOUISIANA

STATE PROJECT NUMBER: PO-148

FEDERAL PROJECT NUMBER: N/A

TITLE SHEET

DATE: 8/20/15

SHEET 1 OF 7

DRAWN BY: T MORRISON

DESIGNED BY: J TODD

APPROVED BY: J CARTER

FEDERAL PROJECT NUMBER: N/A

SHEET 1 OF 7

GENERAL NOTES:

1. AERIAL PHOTOGRAPH FROM NAIP AND TAKEN IN 2013.
2. THERE IS NO UPLAND ACCESS TO THE PROJECT SITE. CONTRACTOR SHALL ACCESS THE PROJECT SITE FROM A NAVIGABLE WATER BODY SUCH AS THE BARATARIA WATERWAY OR THE GULF OF MEXICO TO THE DREDGED ACCESS CHANNELS SHOWN ON THE PLANS; DEPTHS ALONG THOSE ROUTES TO THE DREDGED ACCESS CHANNEL EXCEEDS 8 FT.
3. TEMPORARY ACCESS/FLOTATION CHANNEL DREDGING MAY BE REQUIRED TO ACCESS THE PROJECT SITE. ALL DREDGED MATERIAL MAY BE PLACED INTO THE TEMPORARY SPOIL PLACEMENT AREAS SHOWN. THE TEMPORARY SPOILS SHALL BE BACKFILLED INTO THE TEMPORARY ACCESS CHANNEL AT THE COMPLETION OF THE PROJECT.
4. TOPOGRAPHIC AND BATHYMETRIC DATA FROM SURVEYS PERFORMED BY T. BAKER SMITH, LLC JUNE 2014.
5. THE VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD88 (GEOID 12A), IN U.S. SURVEY FEET. THE HORIZONTAL DATUM FOR ALL GRID COORDINATES IS LOUISIANA STATE PLANE, SOUTH ZONE, NAD83, IN U.S. SURVEY FEET. THE HORIZONTAL DATUM FOR ALL GEOGRAPHIC COORDINATES IS NAD83.
6. PERMANENT NAVIGATION AIDS TO BE LOCATED AT EACH STRUCTURE IN ACCORDANCE WITH U.S. COAST GUARD REGULATIONS.
7. OYSTER REEF BREAKWATERS MAY BE CONSTRUCTED OF UNITS COMPOSED OF CONCRETE, STEEL, MESH, GEOGRID, OR SIMILAR MATERIAL.
8. OYSTER LEASE AREAS SHOWN FROM THE LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES. ALL OYSTER REEF BREAKWATER STRUCTURES AND FLOTATION/ACCESS CHANNEL DREDGING SHALL HAVE A MINIMUM BUFFER OF 50 FT FROM ALL OYSTER LEASES.
9. AS-BUILT DRAWINGS AND/OR PLATS SHALL HAVE WRITTEN ON THEM THE DATE OF COMPLETION OF SAID ACTIVITIES AND SHALL BE SUBMITTED TO THE LOUISIANA DEPARTMENT OF NATURAL RESOURCES, OFFICE OF COASTAL MANAGEMENT, P. O. BOX 44487, BATON ROUGE, LA 70804-4487 WITHIN 30 DAYS FOLLOWING PROJECT COMPLETION.
10. ALL STRUCTURES, FACILITIES, WELL AND PIPELINES/FLOWLINES OCCURRING IN OPEN WATER AREAS OR IN OILFIELD CANALS OR SLIPS SHALL BE REMOVED WITHIN 120 DAYS OF ABANDONMENT OR THE FACILITIES FOR THE HEREIN PERMITTED USE UNLESS PRIOR WRITTEN APPROVAL TO LEAVE SUCH STRUCTURES IN PLACE IS RECEIVED FROM THE OFFICE OF COASTAL MANAGEMENT. THIS CONDITION DOES NOT PRECLUDE THE NECESSITY FOR REVISING THE CURRENT PERMIT OR OBTAINING A SEPARATE COASTAL USE PERMIT, SHOULD ONE BE REQUIRED.
11. STRUCTURES MUST ALSO BE MARKED/LIGHTED IN ACCORDANCE WITH U. S. COAST GUARD REGULATIONS.
12. IN ORDER TO ENSURE THE SAFETY OF ALL PARTIES, THE PERMITTEE SHALL CONTACT THE LOUISIANA ONE CALL SYSTEM (1-800-272-3020) A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION (DIGGING, DREDGING, JETTING, ETC.) OR DEMOLITION ACTIVITY.
13. FULLY LOADED DRAFTS OF ALL VESSELS WILL NOT EXCEED 8 FT.

REFERENCE BENCHMARKS			
POINT ID	NORTHING	EASTING	ELEVATION (NAVD88)
NGS N221	29° 12' 16.52"	90° 2' 24.26"	+4.98'

TIDAL ELEVATIONS (NAVD88)	
MEAN HIGHER HIGH WATER (MHHW)	+0.88'
MEAN HIGH WATER (MHW)	+0.87'
MEAN SEA LEVEL (MSL)	+0.35'
MEAN LOW WATER (MLW)	-0.18'
MEAN LOWER LOW WATER (MLLW)	-0.19'
NAVD88	0.00'

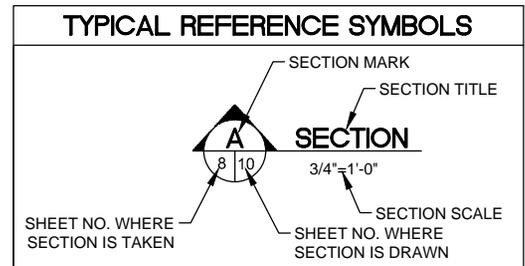
STANDARD ABBREVIATIONS:

- EL = ELEVATION
- T.O. = TOP OF
- B.O. = BOTTOM OF
- MHHW = MEAN HIGHER HIGH WATER
- EA. = EACH
- TYP. = TYPICAL
- O.C. = ON CENTER
- @ = AT
- APPROX = APPROXIMATE
- BM = BENCH MARK
- MAX = MAXIMUM
- MIN = MINIMUM
- TBAR = TEMPORARY BEACH ACCESS ROAD
- U.N.O. = UNLESS NOTED OTHERWISE
- ' = MINUTES OR FEET
- " = SECONDS OR INCHES
- ⊗ = CONTROL POINT
- = NAVIGATION AID
- = TEMPORARY WARNING SIGN

CONSTRUCTION QUANTITY SUMMARY	
TYPE	QUANTITY
OYSTER REEF BREAKWATER LENGTH	1,530 FT
OYSTER REEF BREAKWATER AREA	0.93 ACRES
TEMPORARY SPOIL PLACEMENT LENGTH	13,632 FT
TEMPORARY SPOIL PLACEMENT AREA	37.6 ACRES
TEMPORARY ACCESS/FLOTATION DREDGING LENGTH	13,312 FT
TEMPORARY ACCESS/FLOTATION DREDGING AREA	29.9 ACRES
TEMPORARY ACCESS/FLOTATION DREDGING VOLUME	155,000 CY

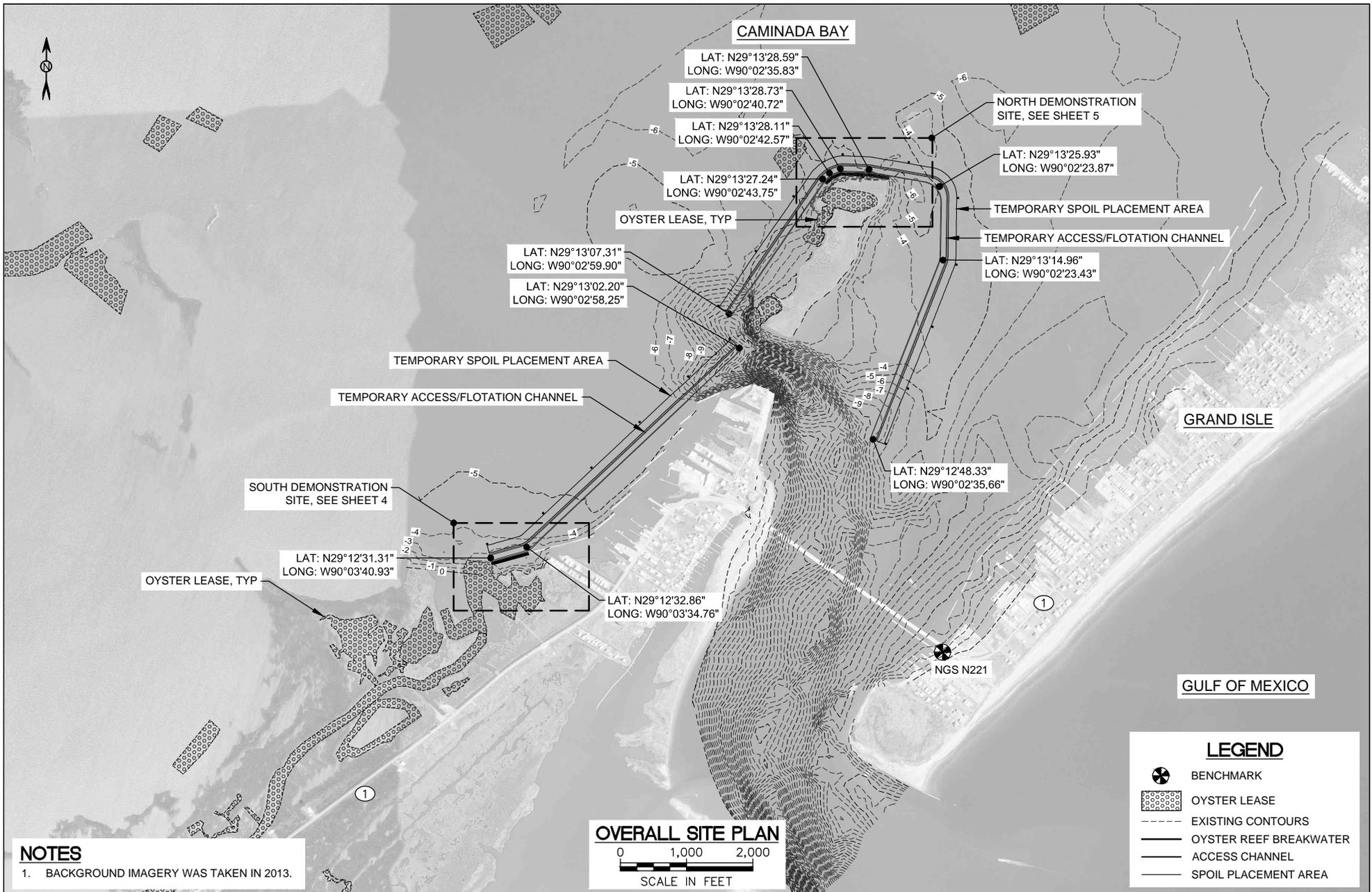
ESTIMATED IMPACTS	
TYPE	QUANTITY
PERMANENT IMPACTED SUBMERGED BOTTOM	0.93 ACRES
TEMPORARY IMPACTED SUBMERGED BOTTOM	67.5 ACRES
PERMANENT IMPACTED VEGETATED WETLANDS	0.00 ACRES

ESTIMATE BENEFITS	
TYPE	QUANTITY
WETLAND AREA SAVED BY OYSTER REEF BREAKWATER IN 1 YEAR	0.11 ACRES



PERMIT PLANS

APPLICATION BY: COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	 COAST & HARBOR ENGINEERING <i>A Division of Hatch Mott MacDonald</i> 650 POYDRAS ST, NEW ORLEANS, LA 70130 PH 504-529-7687 • FAX 504-529-7688	 TETRA TECH, INC. 748 MAIN ST, BATON ROUGE, LA 70802 (225) 383-1780	LIVING SHORELINE DEMONSTRATION PROJECT JEFFERSON PARISH, LOUISIANA	PERMIT NOTES
			STATE PROJECT NUMBER: PO-148	DATE: 8/20/15
DRAWN BY: T MORRISON	DESIGNED BY: J TODD	APPROVED BY: J CARTER	FEDERAL PROJECT NUMBER: N/A	SHEET 2 OF 7



APPLICATION BY:
**COASTAL PROTECTION
 AND RESTORATION
 AUTHORITY**
 450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

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**LIVING SHORELINE
 DEMONSTRATION PROJECT
 JEFFERSON PARISH, LOUISIANA**

STATE PROJECT NUMBER: PO-148

FEDERAL PROJECT NUMBER: N/A

OVERALL SITE PLAN

DATE: 8/20/15

SHEET 3 OF 7

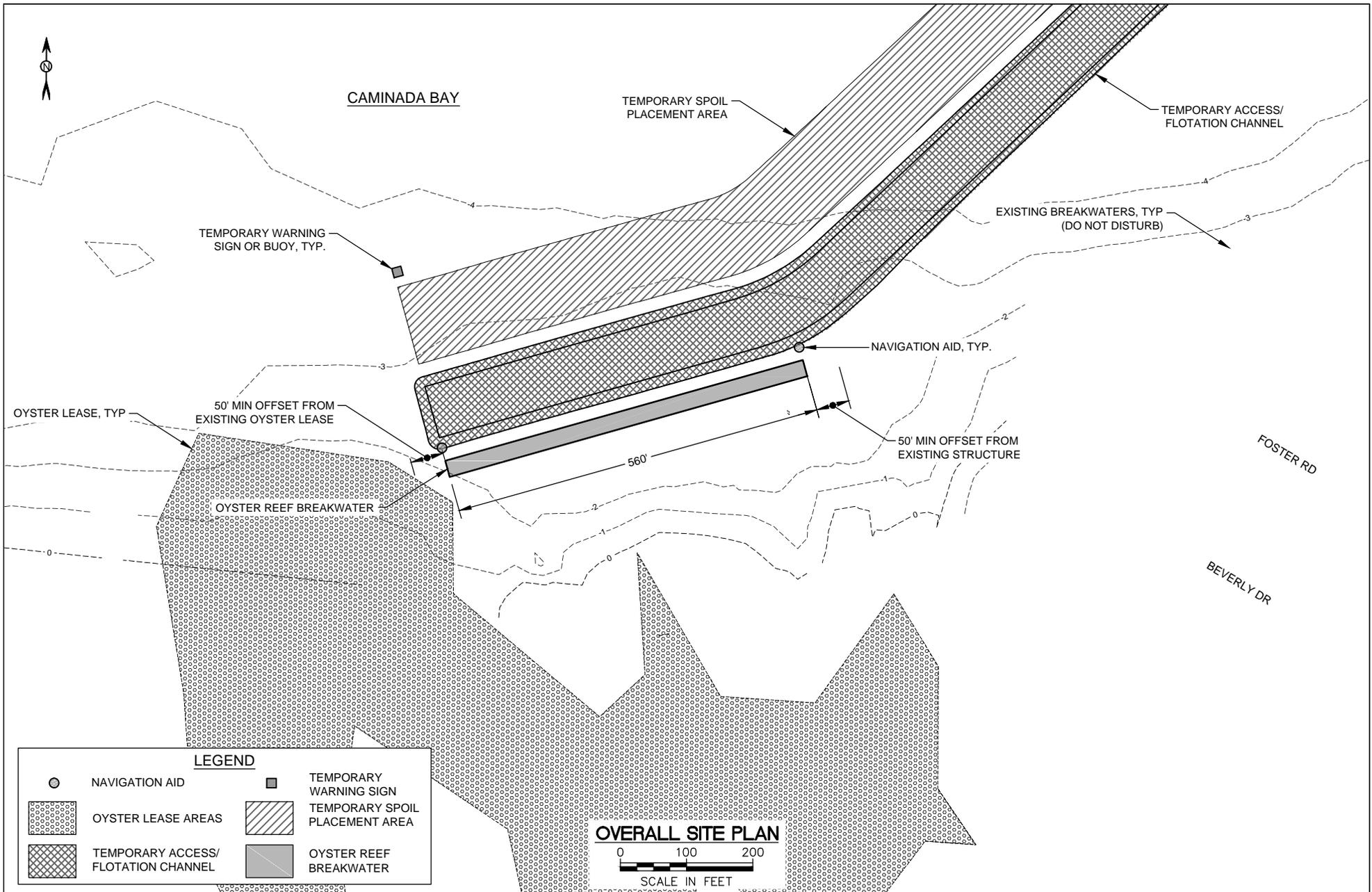
DRAWN BY: T MORRISON

DESIGNED BY: J TODD

APPROVED BY: J CARTER

FEDERAL PROJECT NUMBER: N/A

SHEET 3 OF 7



APPLICATION BY:
COASTAL PROTECTION AND RESTORATION AUTHORITY
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 BATON ROUGE, LOUISIANA 70801

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LIVING SHORELINE DEMONSTRATION PROJECT
JEFFERSON PARISH, LOUISIANA

STATE PROJECT NUMBER: PO-148

FEDERAL PROJECT NUMBER: N/A

SITE PLAN - SOUTH

DATE: 8/20/15

SHEET 4 OF 7

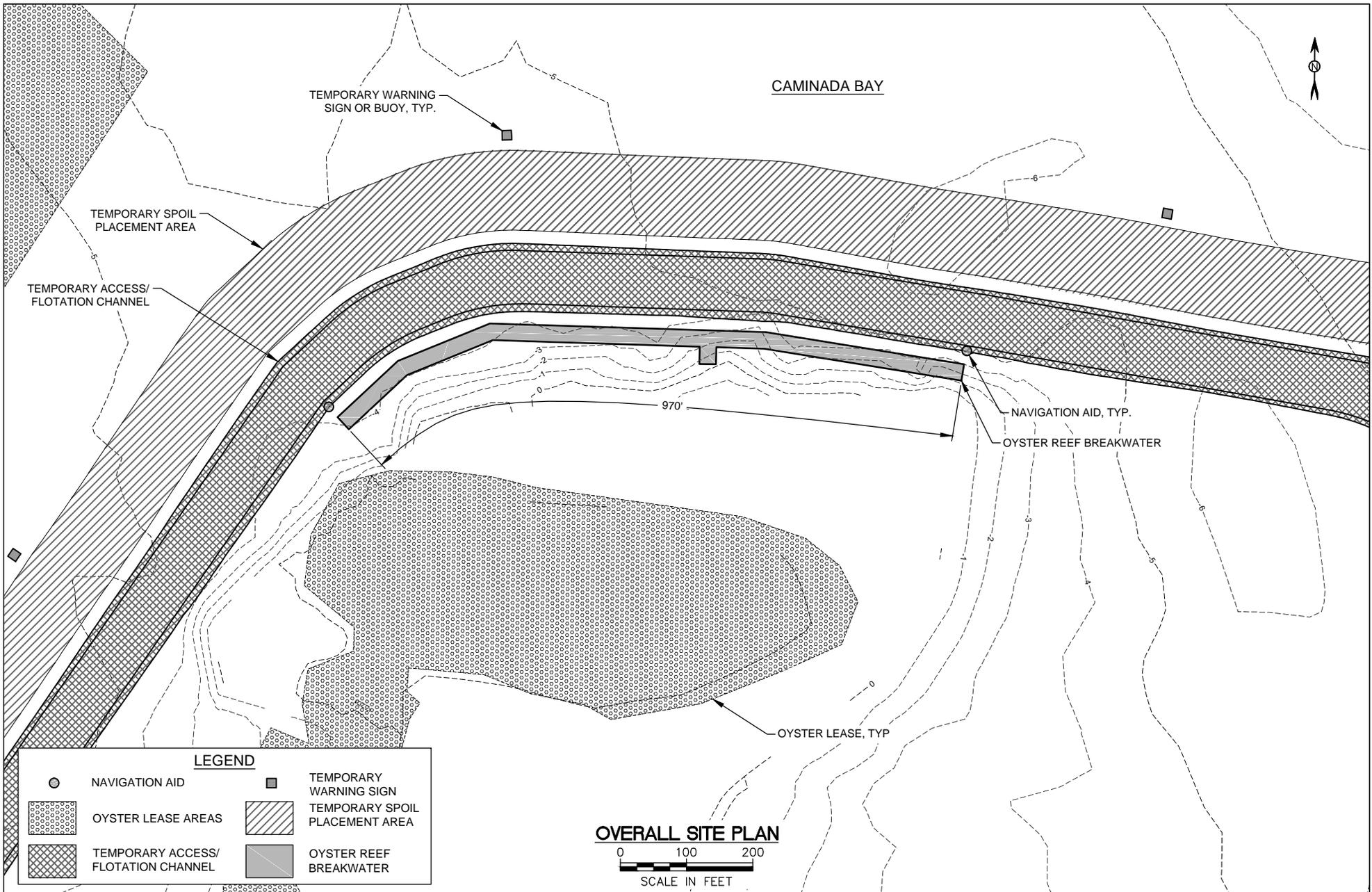
DRAWN BY: T MORRISON

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APPROVED BY: J CARTER

FEDERAL PROJECT NUMBER: N/A

SHEET 4 OF 7

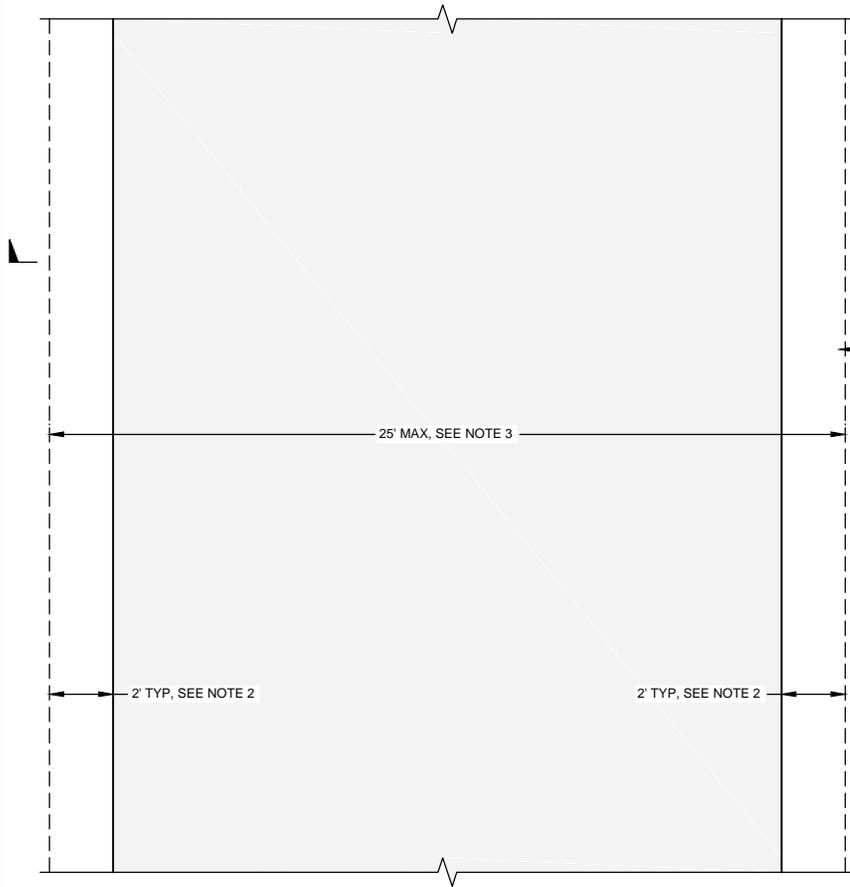


LEGEND	
	NAVIGATION AID
	TEMPORARY WARNING SIGN
	OYSTER LEASE AREAS
	TEMPORARY SPOIL PLACEMENT AREA
	TEMPORARY ACCESS/FLOTATION CHANNEL
	OYSTER REEF BREAKWATER

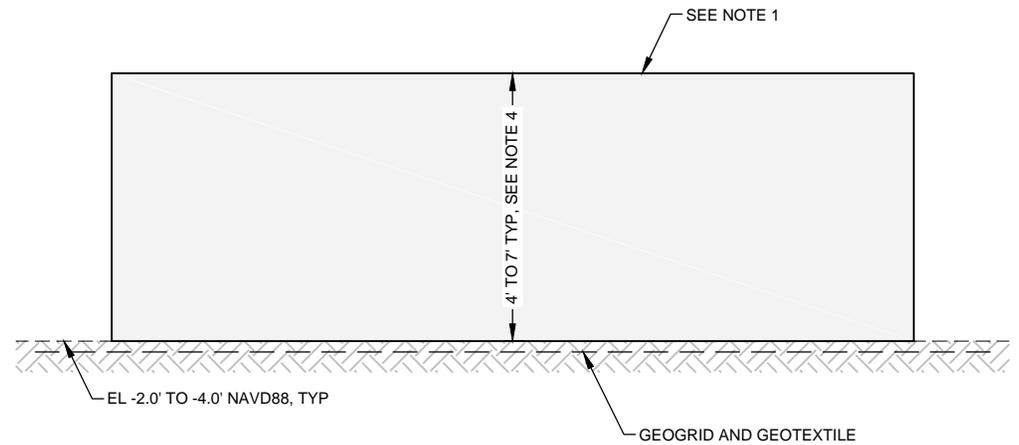
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DRAWN BY: T MORRISON	DESIGNED BY: J TODD	APPROVED BY: J CARTER	STATE PROJECT NUMBER: PO-148	DATE: 8/20/15
			FEDERAL PROJECT NUMBER: N/A	SHEET 5 OF 7

NOTES

1. REEF BREAKWATER WILL BE COMPOSED OF EITHER ROWS OF INDIVIDUAL GEOMETRIC CONCRETE UNITS, VERTICALLY INTERLOCKING CONCRETE UNITS, OR A COMBINATION OF STEEL, MESH AND GEOGRID. THE UNITS WILL BE PLACED ON A GEOTECTILE AND GEOGRID.
2. GEOTEXTILE AND GEOGRID WILL EXTEND HORIZONTALLY UP TO 2 FEET FROM BOTTOM TOE OF REEF STRUCTURE.
3. WIDTH OF THE REEF BREAKWATER STRUCTURE WILL BE A MAXIMUM OF 21 FT WIDE. WITH THE GEOGRID AND GEOTEXTILE, THE MAXIMUM FOOTPRINT IS 25 FT WIDE.
4. REEF BREAKWATER WILL BE CONSTRUCTED IN WATER DEPTHS OF BETWEEN -2.0 FT TO -4.0 FT NAVD88. THE REEF BREAKWATER HEIGHT WILL VARY FROM 4 FT TO A MAXIMUM OF 7 FT. THE TOP ELEVATION WILL VARY BETWEEN +2.0 TO +3.0 FT NAVD88.



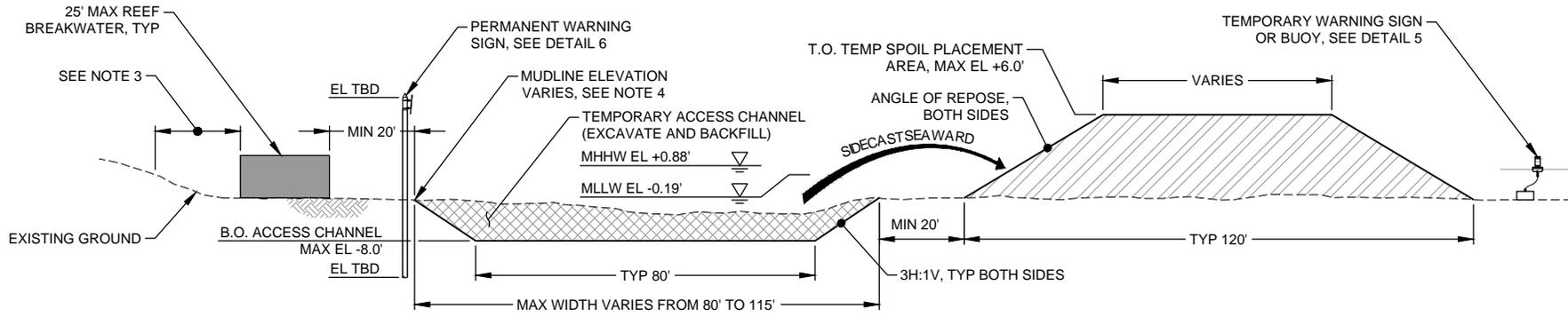
1
-
DETAIL
TYPICAL PLAN VIEW
0 3 6
SCALE IN FEET



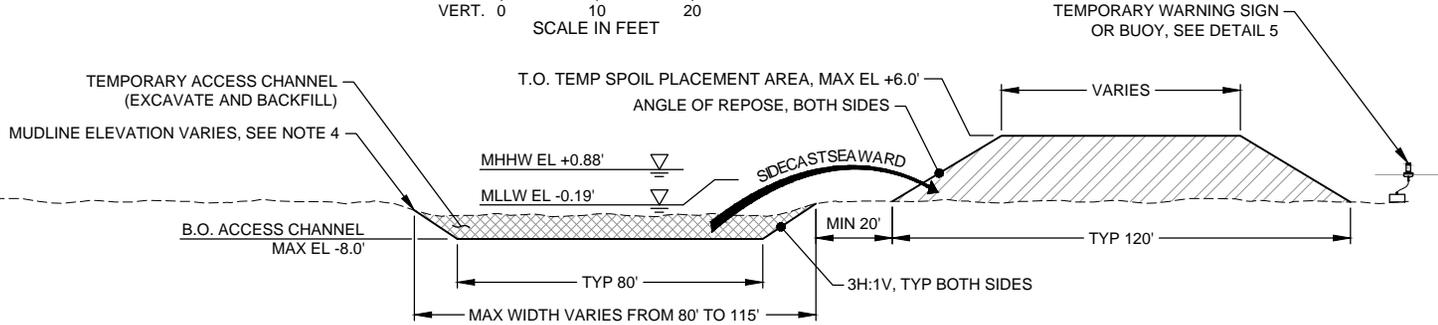
2
-
DETAIL
TYPICAL ELEVATION VIEW
0 2.5 5
SCALE IN FEET

PERMIT PLANS

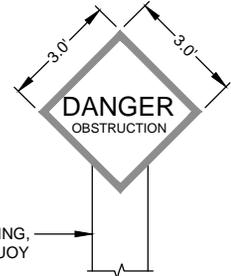
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<p>DRAWN BY: T MORRISON</p>	<p>DESIGNED BY: J TODD</p>	<p>APPROVED BY: J CARTER</p>	<p>STATE PROJECT NUMBER: PO-148</p>	<p>DATE: 8/20/15</p>
<p>FEDERAL PROJECT NUMBER: N/A</p>			<p>SHEET 6 OF 7</p>	



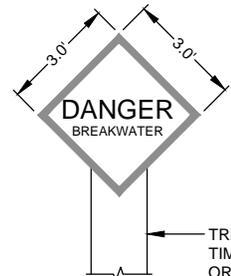
3 DETAIL
 FLOTATION CHANNEL
 TYPICAL SECTION
 HORIZ. 0 20 40
 VERT. 0 10 20
 SCALE IN FEET



4 DETAIL
 ACCESS CHANNEL ENTRANCE
 TYPICAL SECTION
 0 25 50
 SCALE IN FEET



5 DETAIL
 TEMPORARY
 WARNING SIGN



6 DETAIL
 PERMANENT
 NAVIGATION AID

PERMIT PLANS

NOTES

1. THE TEMPORARY SPOILS SHALL BE BACKFILLED INTO THE TEMPORARY ACCESS AND FLOTATION CHANNEL AT THE COMPLETION OF THE PROJECT.
2. TEMPORARY WARNING SIGNS AND PERMANENT NAVIGATION AIDS TO BE LOCATED AS REQUIRED BY USCG. ALL SIGNS WILL MEET U.S. COAST GUARD STANDARDS.
3. DISTANCE FROM MLLW SHORELINE TO REEF BREAKWATER VARIES FROM 0' TO 300'.
4. MUDLINE AT TOP OF EXCAVATION VARIES FROM -8.0 FT TO -2.0 FT.

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DRAWN BY: T MORRISON	DESIGNED BY: J TODD	APPROVED BY: J CARTER	STATE PROJECT NUMBER: PO-148	DATE: 8/20/15
FEDERAL PROJECT NUMBER: N/A			SHEET 7 OF 7	