

# JOINT PUBLIC NOTICE

## February 18, 2014

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

(504) 862-2041 FAX (504) 862-2117  
Project Manager  
Robert Tewis  
Permit Application Number  
MVN-2012-00371-ETT

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

(225) 219-3225; Fax (225) 325-8250  
Project Manager  
Jamie Phillippe  
WQC Application Number  
WQC JP # 130702-01

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, 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).

### **MARSH CREATION WITHIN A STORMWATER TREATMENT SYSTEM, LAKE PONTCHARTRAIN SHORELINE OF MANDEVILLE, ST. TAMMANY PARISH, LOUISIANA**

**NAME OF APPLICANT:** City of Mandeville c/o Neel-Schafer, Inc., Attention; Barry Brupbacher, 800 Jackson Avenue, Ste. A, Mandeville, Louisiana 70448.

**LOCATION OF WORK:** Lake Pontchartrain shoreline of Mandeville, at Latitude 30.36110, Longitude -90.08419, St. Tammany Parish, Louisiana within HUC #s 8090201 and 8090202.

**CHARACTER OF WORK:** Dredge, fill and grade to construct a marsh habitat within a proposed stormwater retention and treatment system. Upon completion of construction the designed stormwater retention/treatment system would receive stormwater runoff from the City of Mandeville, attenuate the runoff to remove/reduce sediments and other pollutants prior to discharging into Lake Pontchartrain. The proposal consists of two redesigned outfalls discharging from an existing forested wetland area into the impoundment, a berm to attenuate the runoff for treatment, a weir for controlled release into the lake, a pedestrian-bicycle path over the berm, 2 bridges, constructed marsh platforms, an intertidal lagoon, an outfall channel to the weir and shoreline erosion protection features. The applicant proposes to dredge 9,330 cubic yards of materials from  $\pm 2.7$  acres of non-vegetated tidal bottoms, to create a temporary access channel and work area  $\pm 5$  feet deep, for deployment of work barges and other construction equipment to the construction site. The dredge materials would be side cast into  $\pm 3.14$  acres of non-vegetated tidal bottoms adjacent to the channel and placed back into the channel after completion of the project. The project proposes to dredge 8,560 cubic yards from  $\pm 3.53$  acres of non-vegetated tidal bottoms to construct the stormwater retention impoundment, associated wetlands terraces and other

associated impoundment structures referenced above. The project proposes to use 16,170 cubic yards of the native dredged materials to construct the marsh platforms. The project proposes to install 1,300 square feet of sheet piling, import 10,120 cubic yards of fill material, 1,120 cubic yards of concrete, 3,860 cubic yards of bedding and armoring stone, and 260 cubic yards of riprap to construct the impoundment berm and appurtenant structures. The completed impoundment structure would impact  $\pm$  6.93 acres of non-vegetated tidal bottoms converted to marsh habitats, open water features and permanent fill.

**PERTINANT CONSIDERATIONS:** Currently there are two large stormwater outfalls, within the proposed project area, which discharge untreated stormwater runoff directly into Lake Pontchartrain. This project has been designed to attenuate and treat that runoff prior to discharging into the lake. This project conforms to 402 of the Clean Water Act, the National Pollutant Discharge Elimination System (NPDES) Municipal Non-point Source Program. The project includes a pedestrian-bicycle path connecting the Mandeville Lakefront to Mandeville's Sunset Point Park. The project will provide shoreline erosion protection for a cypress forested wetland area.

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 to the project manager or clicking on the project manager's name on the public notice grid on the web page. 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. Letters concerning the Water Quality Certification must reference the applicant's name and the WQC Application number and be mailed to the Louisiana Department of Environmental Quality at the address above. 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 5:00 p.m. Copies may be obtained upon payment of costs of reproduction

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 receives approval or a waiver of the Coastal Use Permit by the Department of Natural Resources.

### 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 Corps of Engineers is unaware of any properties listed on the National Register of Historic Places at or near the proposed work site. The possibility exists that the proposed work may damage or destroy presently unknown archeological, scientific, prehistorical, historical sites, or data. Copies of this notice are being sent to the State Archeologist and the State Historic Preservation Officer.

The project site is located in a US Fish and Wildlife Service (FWS) designated West Indian manatee (*Trichechus manatus*) consultation zone, an Endangered Species Act (ESA) listed species. Manatees usually forage in shallow grass beds that are adjacent to deeper channels (Hartman 1979, Powell and Rathbun 1984). It's believed that proximity to deeper channels allows the manatee easy access to and from the feeding areas. The planned in-water work will occur in shallow non-vegetated tidal waters areas with no existing adjacent deeper water features; areas which are less likely to attract manatees. The applicant has agreed to abide with the FWS "Standard Manatee Conditions For In-Water Activities" during all in-water activity phases of the project. The Corps' determination is that the project, as proposed, is "not likely to adversely affect" the manatee.

The project site is located in an area designated as "critical habitat", by the National Marine Fisheries Service (NMFS) for the Gulf sturgeon (*Acipenser oxyrinchus desotoi*) an ESA listed species. The project will result in temporary adverse impacts to approximately  $\pm$  **6.01 acres** of the sturgeon's habitat for the access channel and work area. The construction of the impoundment will impact  $\pm$  **6.93** acres of sturgeon habitat most would result in conversion to marsh habitat, lagoon and a channel the remainder would result in permanent fill impacts from the construction of the berm and erosion control features . No hopper dredging is proposed and the temporary impacts for the access channel and work

area will cease and be remediated upon completion of construction. The Corps' preliminary determination is that the project is "not likely to adversely affect" the Gulf sturgeon nor its critical habitat long-term and the Corps is requesting concurrence from the NMFS via this PN. The Corps is unaware of any other ESA listed species or of any other ESA designated critical habitat that may be affected by this project.

This notice initiates the EFH consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The proposal would result in temporary impacts to ±6.01 acres of EFH and permanent alterations to ± 6.93 acres of EFH utilized by various life stages of red drum, blue crab and penaeid shrimp. Our initial determination is that the proposed actions may have an adverse impact on EFH and federally managed fisheries of 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 NMFS.

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, Office of Environmental Services, 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.

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  
Regulatory Branch

Attachments



Mandeville Stormwater Outfall-Marsh Creation

Imagery Date: 3/5/2013

© 2013 Google

30°21'36.29" N 90°04'55.49" W elev



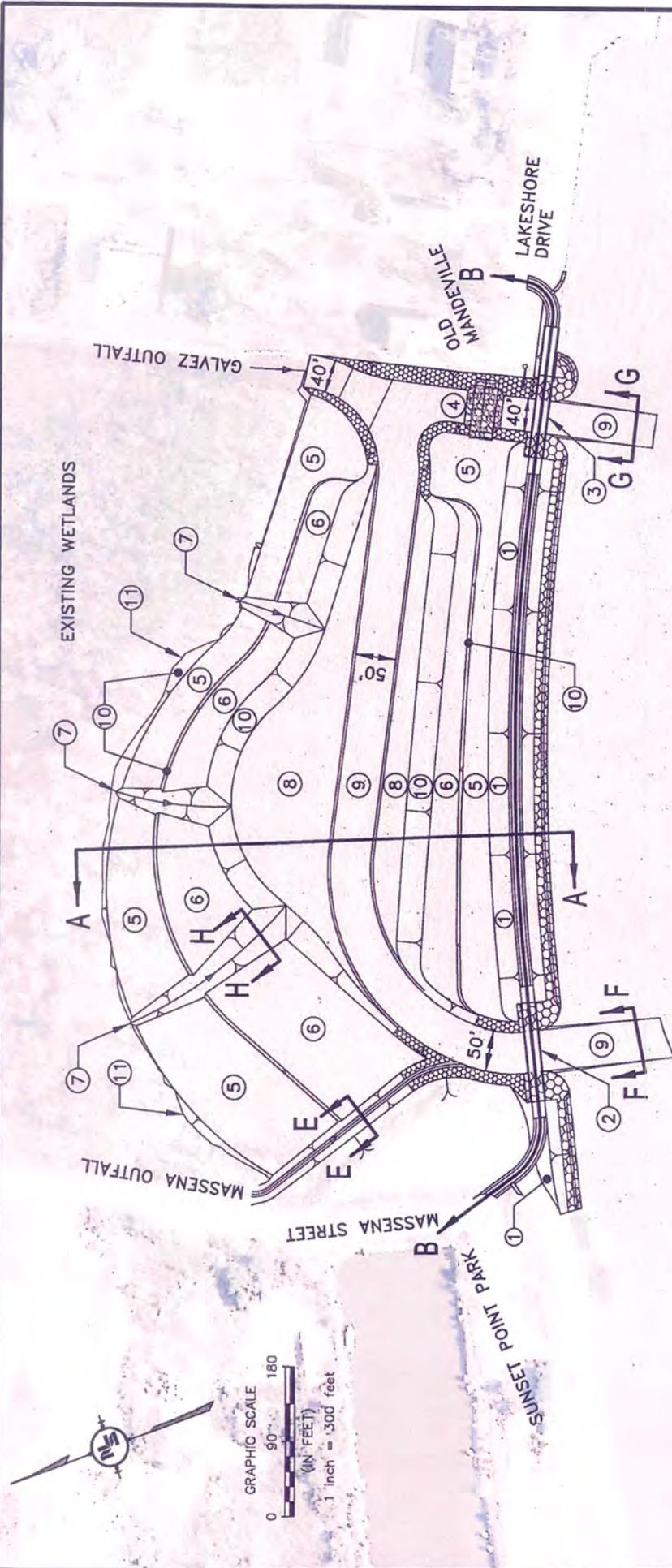
Mandeville Stormwater Outfall-Marsh Creation

© 2013 Google

Imagery Date: 3/5/2013

30°21'36.28" N 90°04'55.49" W elev





NOTE: ALL ELEVATIONS IN NAVD88

NOTE:

MHHW = +1.02  
MSL = +0.77  
MLLW = +0.52

MEASURED AT NEW ORLEANS NEW CANAL STATION

## PROPOSED IMPROVEMENTS

- ① CLOSURE BERM (SEE SECTION C)
- ② 120' SPAN BRIDGE (SEE SECTION D)
- ③ 100' SPAN BRIDGE (SEE SECTION D)
- ④ DIVERSION WEIR
- ⑤ WETLAND AT ELEVATION +1.5, PLANTED WITH MARSHYAY CORDGRASS.
- ⑥ WETLAND AT ELEVATION +1.1; PLANTED WITH SMOOTH CORDGRASS.

- ⑦ OUTFALL FROM EXISTING WETLANDS TO INTERTIDAL LAGOON AT 1 TO 10 SLOPE, PLANTED WITH CALIFORNIA BULLWHIP.
  - ⑧ INTERTIDAL LAGOON AT ELEVATION -2.0, PLANTED WITH SMOOTH CORDGRASS.
  - ⑨ OUTFALL CHANNEL AT ELEVATION -3.0
  - ⑩ SURFACES IN TRANSITION AT 1 TO 10 SLOPE, PLANTED WITH SMOOTH CORDGRASS.
  - ⑪ APPROX. INTERFACE LOCATION BETWEEN EXISTING & NEW SHORELINE CONSTRUCTION
- AREAS OF SHORELINE EROSION PROTECTION, METHOD TO BE DETERMINED

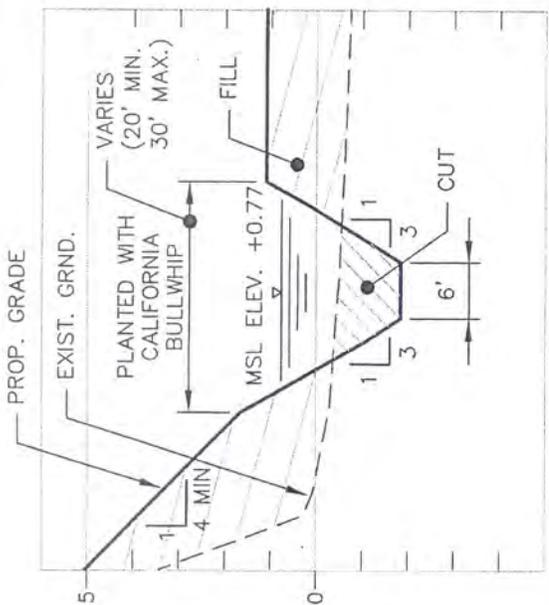
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MAY 15, 2012  
REV. DATE:  
MAY 13, 2013



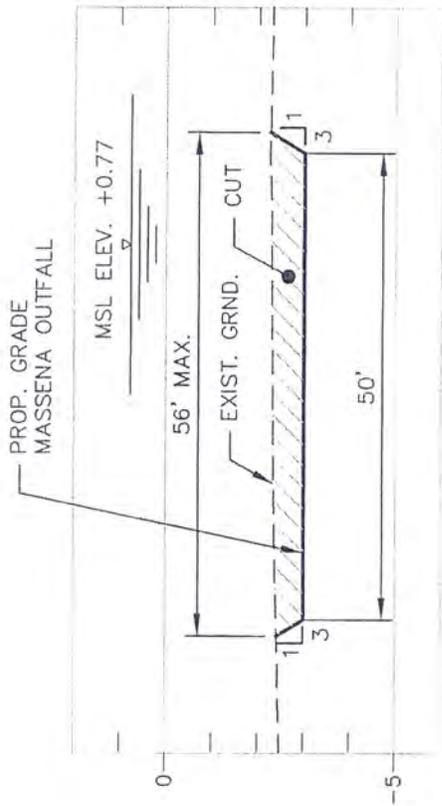
Mandeville Lakefront Wetlands Restoration

Planned Improvements

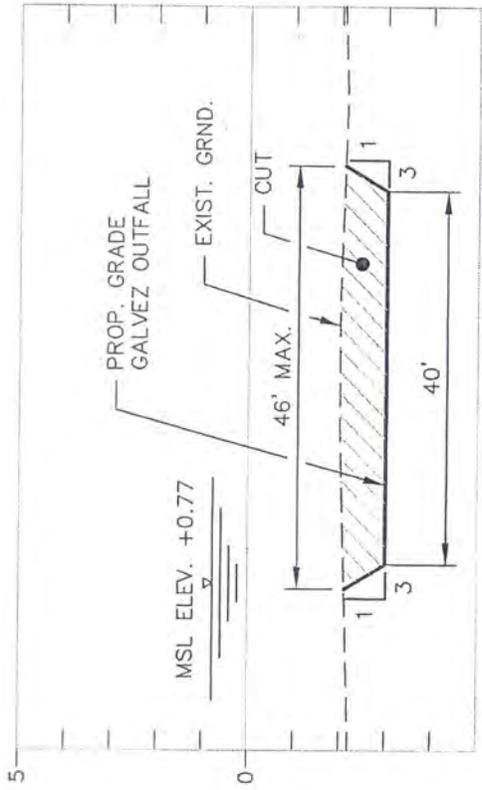
Sheet  
2 of 13



SECTION E-E



SECTION F-F



SECTION G-G



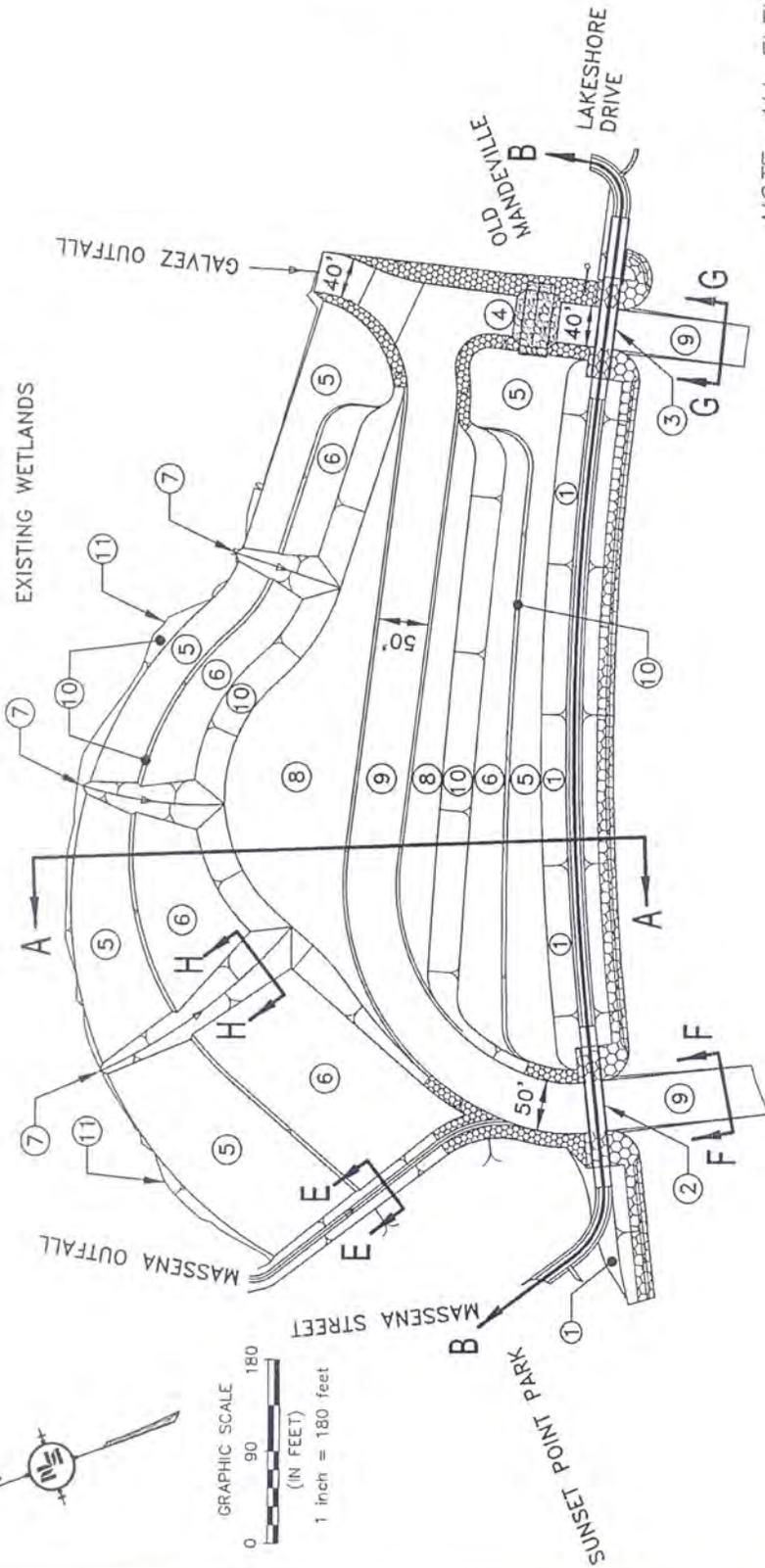
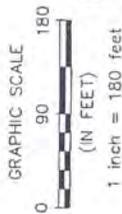
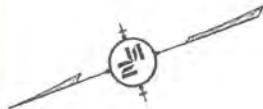
SECTION H-H

NOTE: ALL ELEVATIONS IN NAVD88

NOTE:

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MEASURED AT NEW  
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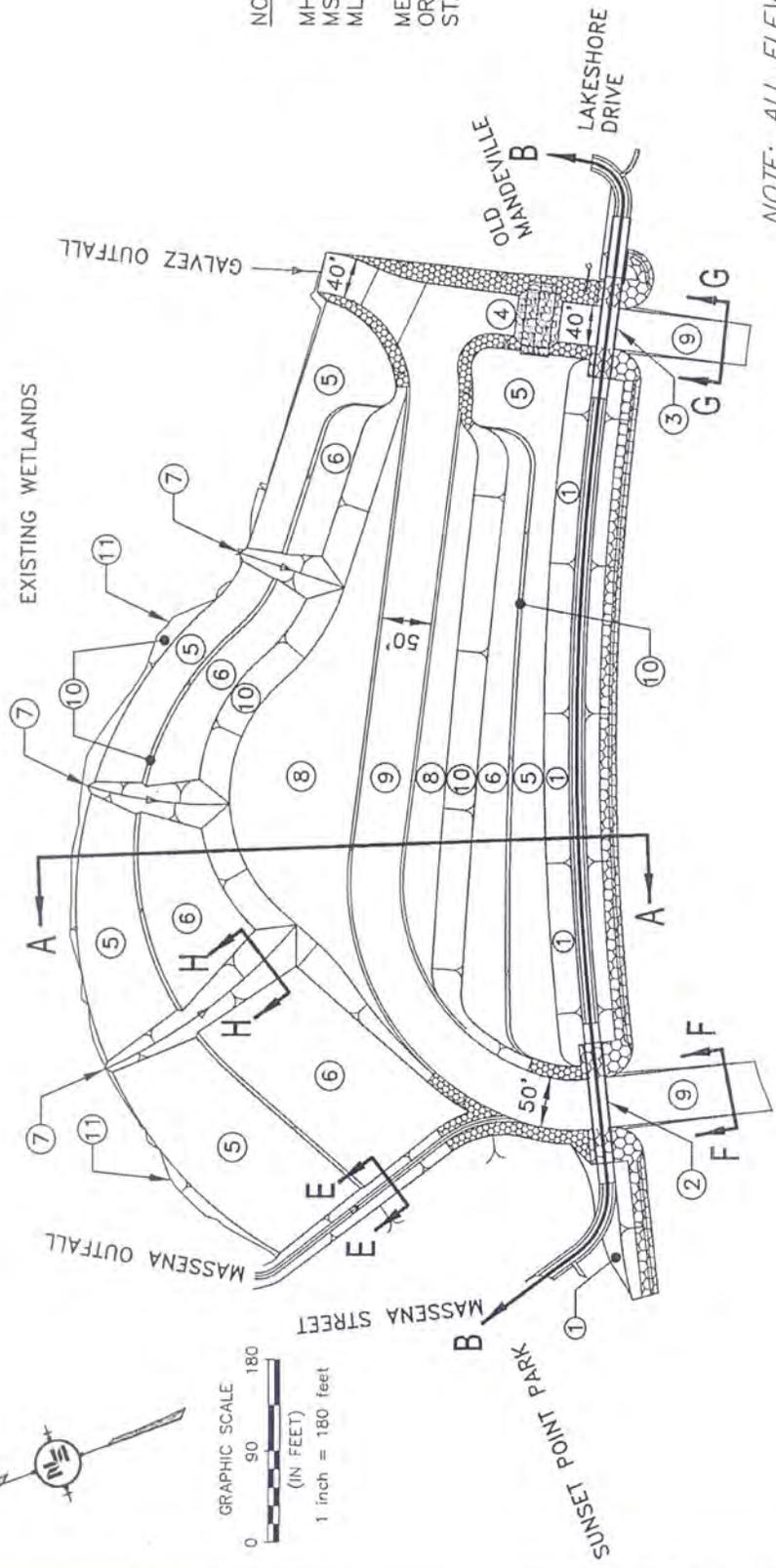
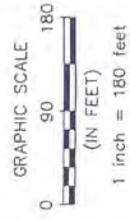
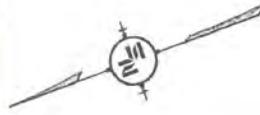
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- ③ 100' SPAN BRIDGE (SEE SECTION D)
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- ⑥ WETLAND AT ELEVATION +1.1, PLANTED WITH SMOOTH CORDGRASS.

- ⑦ OUTFALL FROM EXISTING WETLANDS TO INTERTIDAL LAGOON AT 1 TO 10 SLOPE, PLANTED WITH CALIFORNIA BULLWHIP.
- ⑧ INTERTIDAL LAGOON AT ELEVATION -2.0, PLANTED WITH SMOOTH CORDGRASS.
- ⑨ OUTFALL CHANNEL AT ELEVATION -3.0
- ⑩ SURFACES IN TRANSITION AT 1 TO 10 SLOPE, PLANTED WITH SMOOTH CORDGRASS.
- ⑪ APPROX. INTERFACE LOCATION BETWEEN EXISTING & NEW SHORELINE CONSTRUCTION

AREAS OF SHORELINE EROSION PROTECTION, METHOD TO BE DETERMINED

EXCAVATION AREAS



NOTE:  
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- AREAS OF SHORELINE EROSION PROTECTION, METHOD TO BE DETERMINED
- FILL  
 PLACEMENT

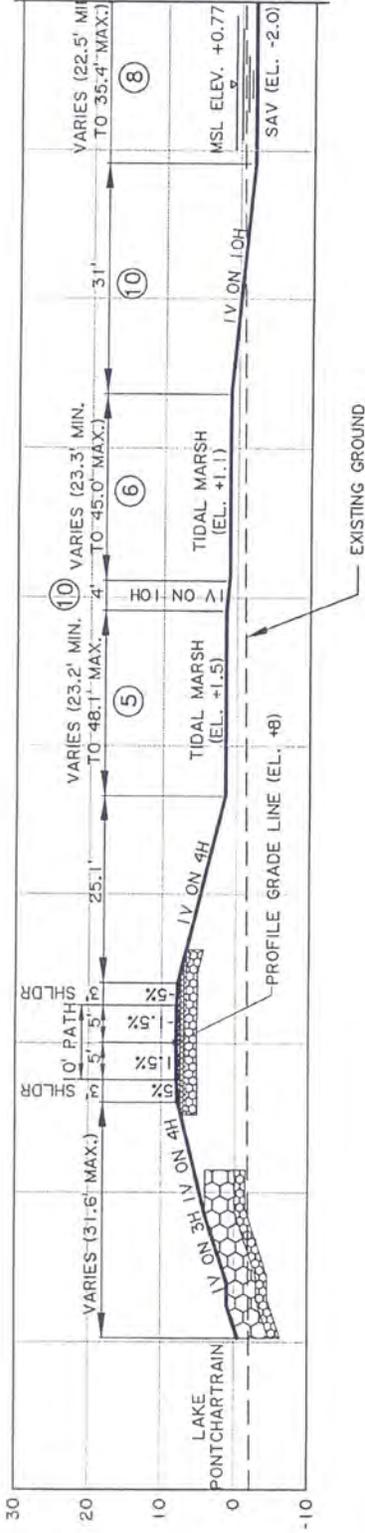


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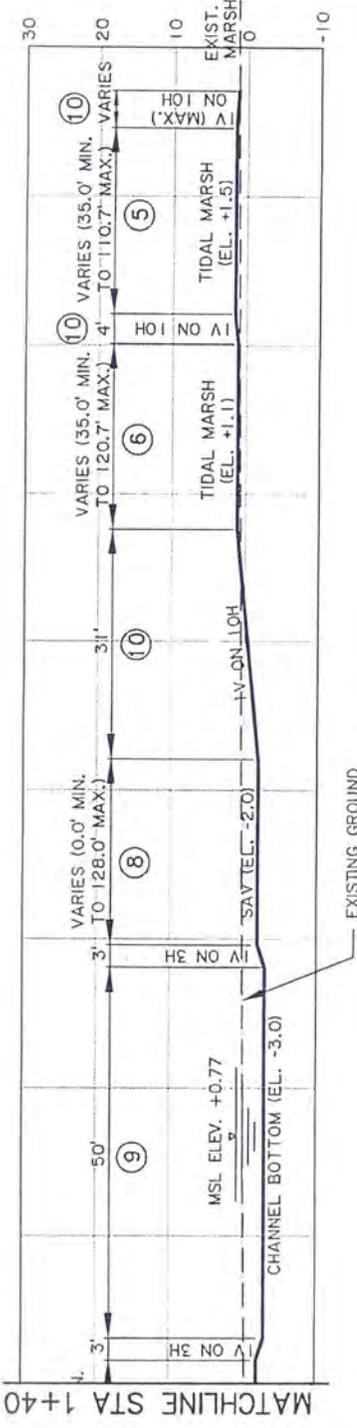
Mandeville Lakefront Wetlands  
Restoration

Sheet  
5 of 13

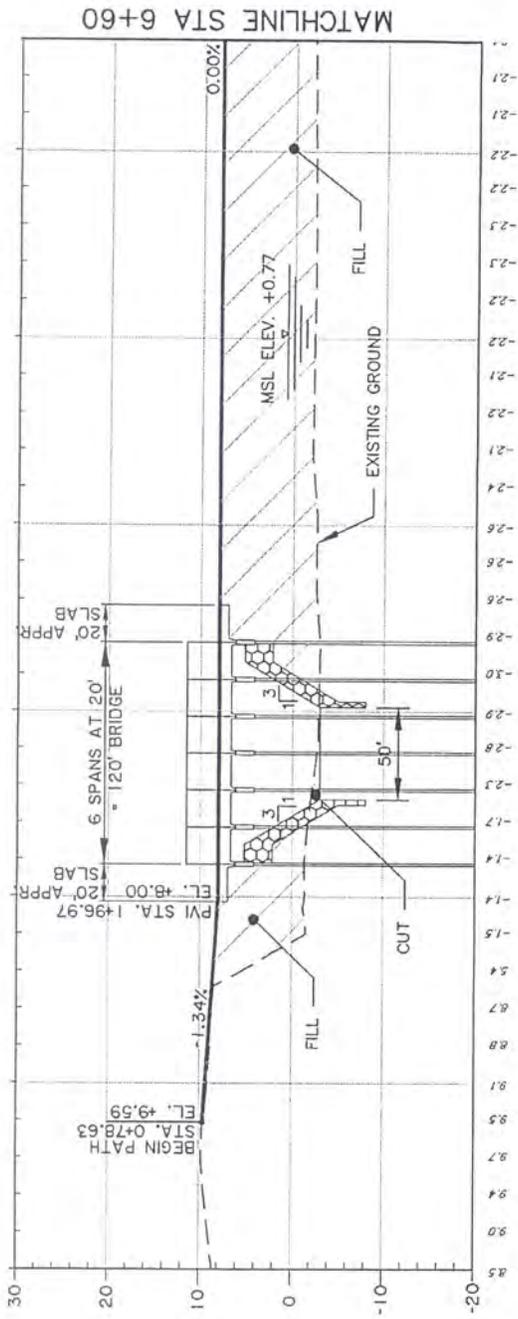
MATCHLINE STA 1+40



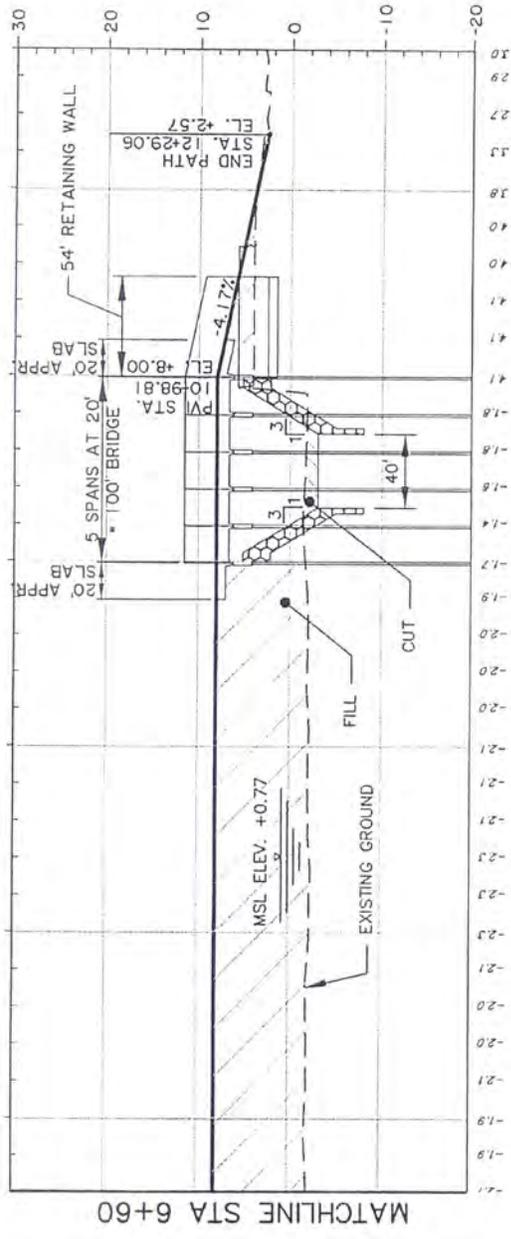
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SEE SHEET 2 FOR CIRCLE DEFINITIONS.



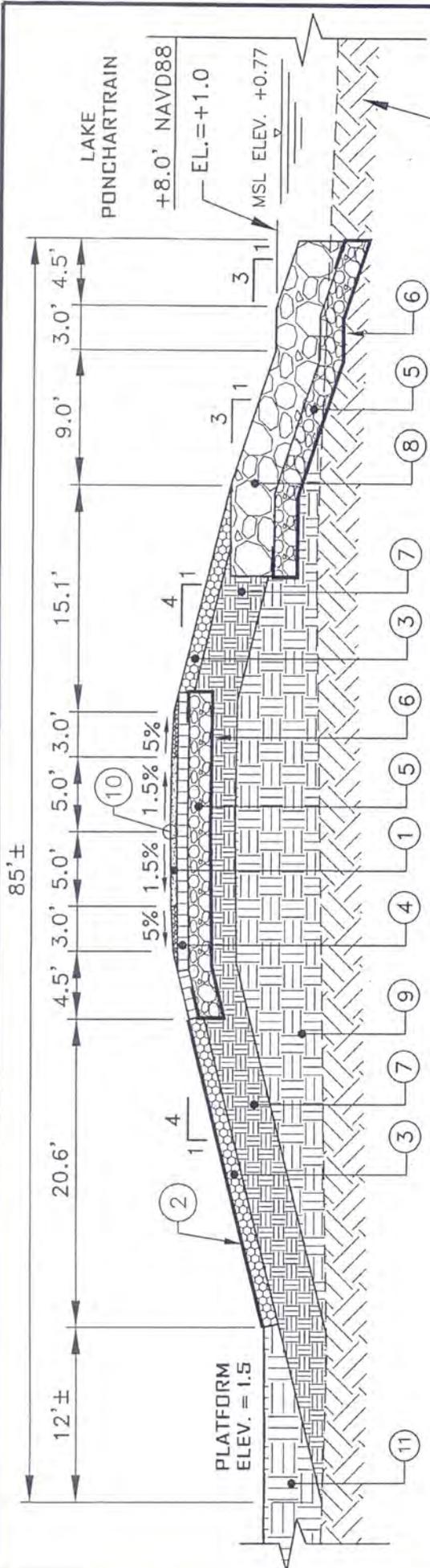
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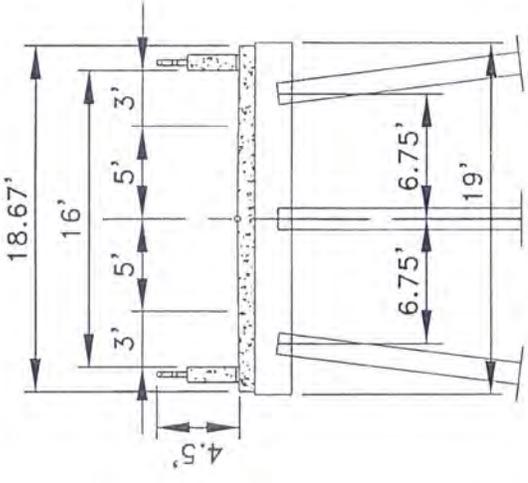
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**TYPICAL BERM SECTION C**

SCALE: 1"=10'

NOTE: ALL ELEVATIONS IN NAVD88



**TYPICAL BRIDGE SECTION D**

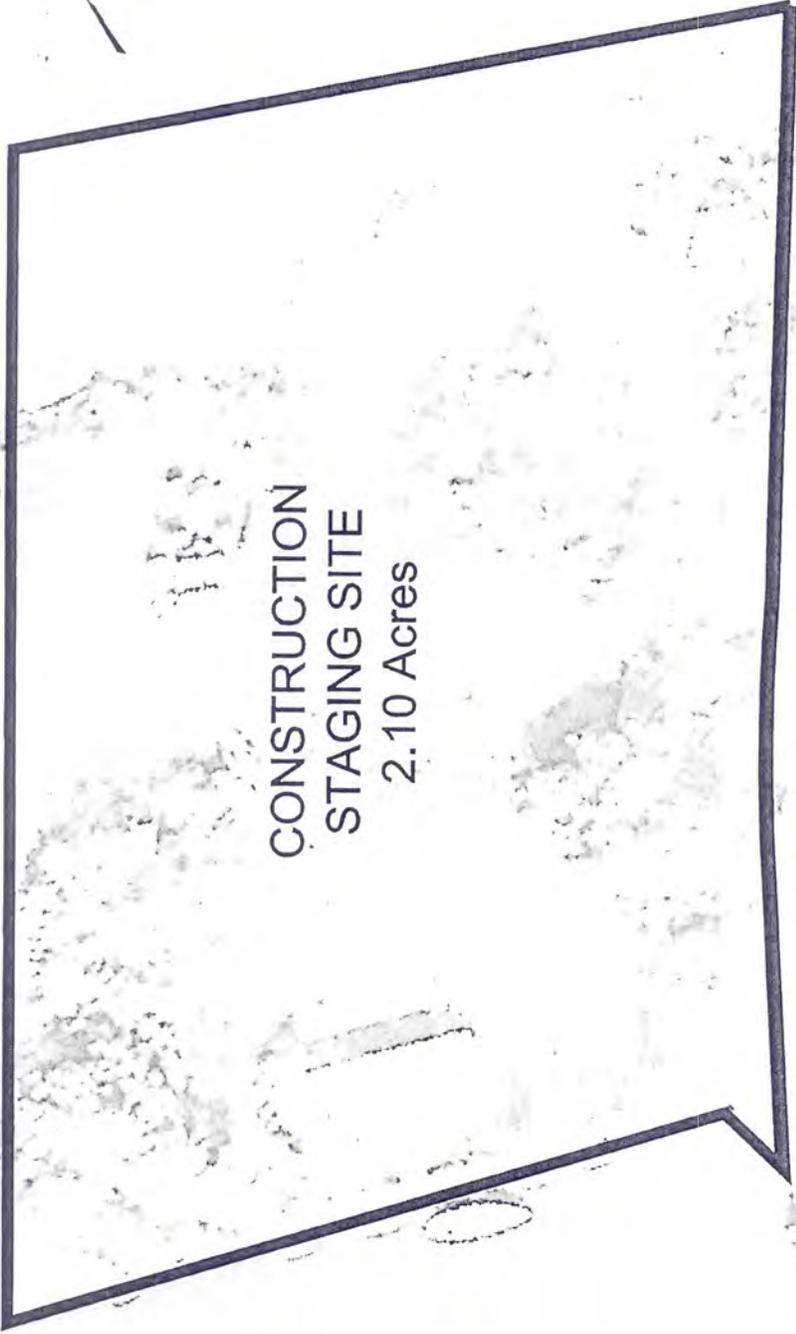
SCALE: 1"=10'

**KEY**

- ① 5" THICK CONCRETE WALKWAY
- ② OPEN MAT
- ③ 12" THICK CLAY/ SAND MIXTURE
- ④ 9" THICK ARTICULATED CONCRETE BLOCK MAT
- ⑤ 18" THICK BEDDING STONE
- ⑥ GEOTEXTILE
- ⑦ 3" THICK EROSION RESISTANT CLAY
- ⑧ 3" THICK ARMOR STONE
- ⑨ STRUCTURAL FILL MATERIAL
- ⑩ PROFILE GRADE ELEV. +8.0
- ⑪ FILL MATERIAL

**NOTE:**

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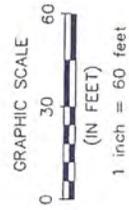


CONSTRUCTION  
STAGING SITE  
2.10 Acres

STREET

MASSENA OUTFALL

MASSENA



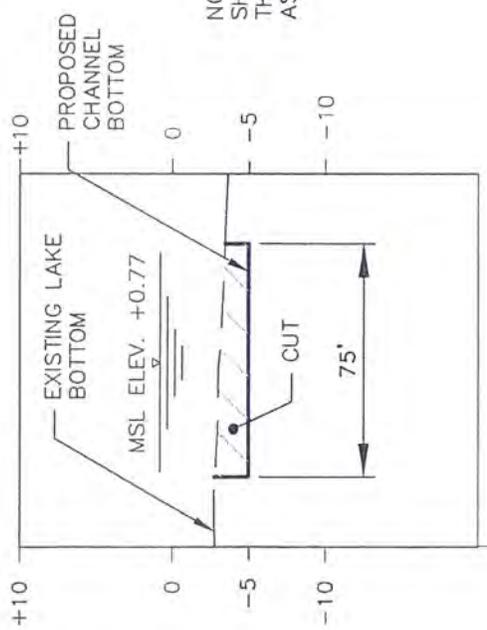
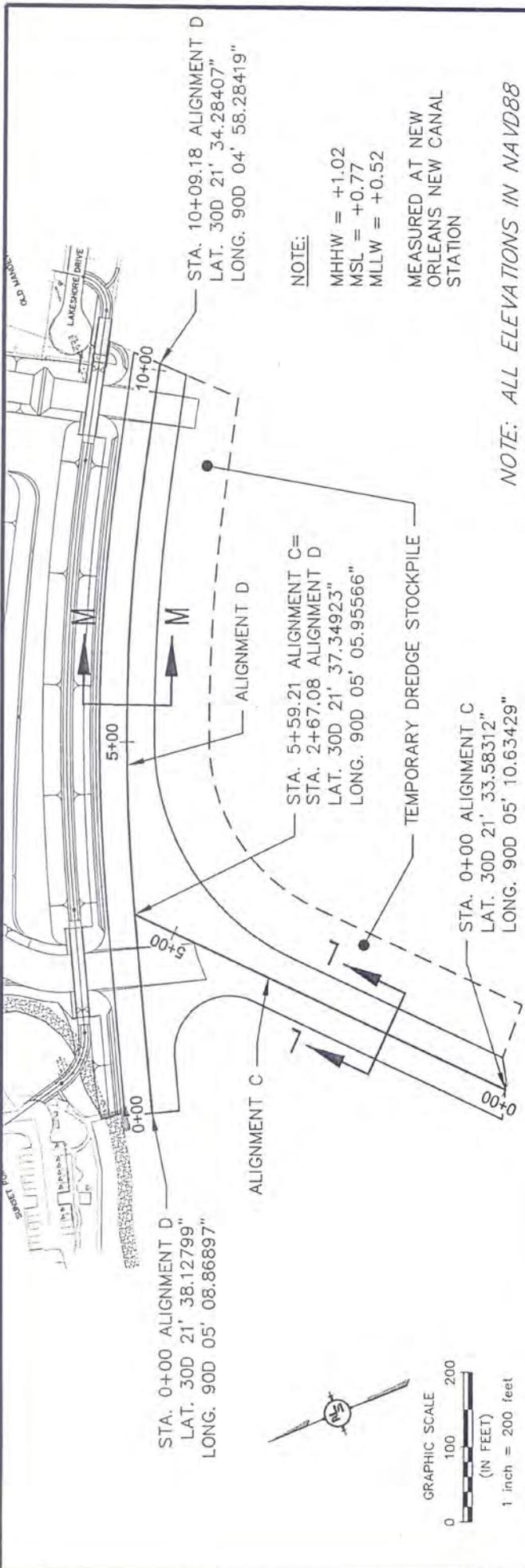
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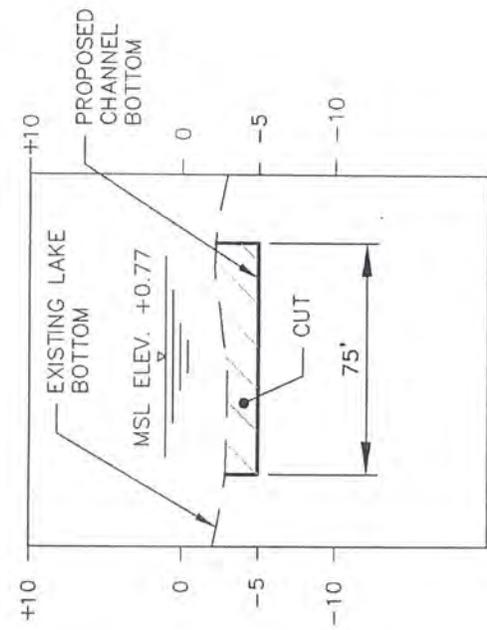
Mandeville Lakefront Wetlands  
Restoration

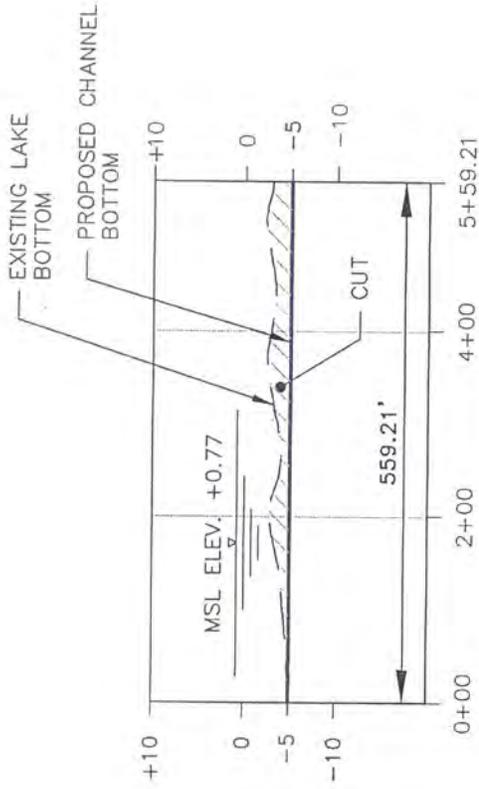
Construction Staging

Sheet  
9 of 13



NOTE: VESSEL DRAFTS SHALL BE LIMITED TO THE CHANNEL DEPTHS AS SHOWN.



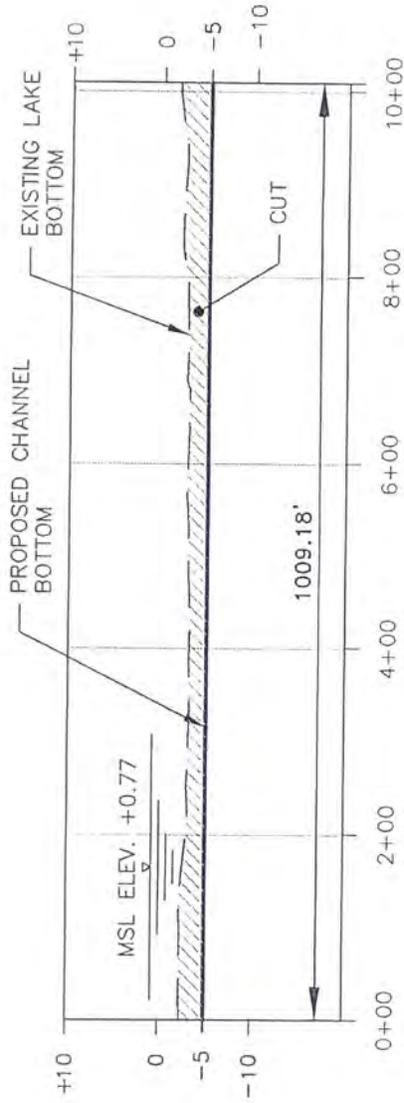


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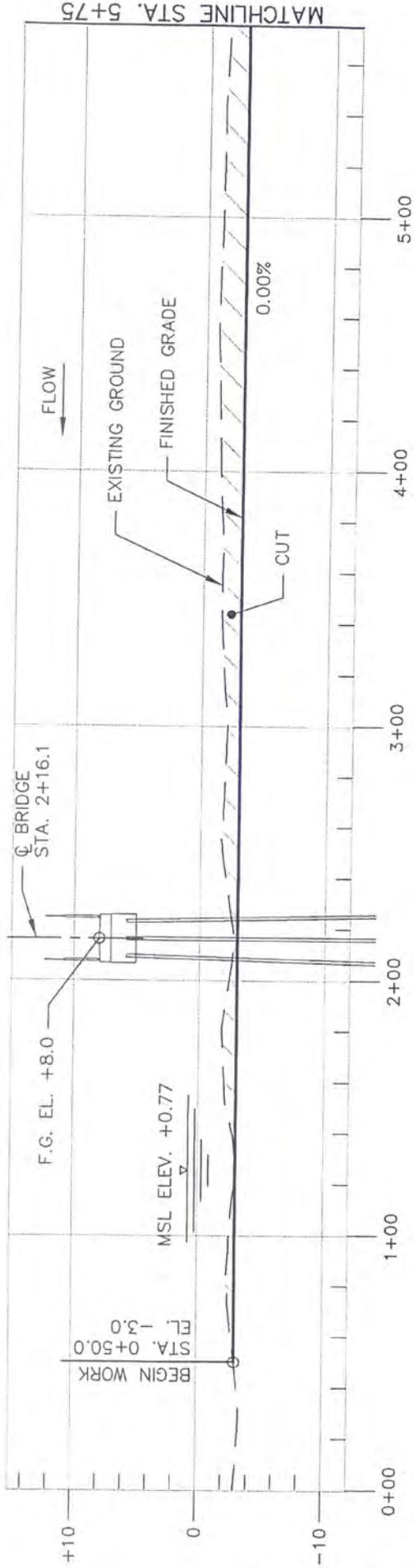
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ALIGNMENT C  
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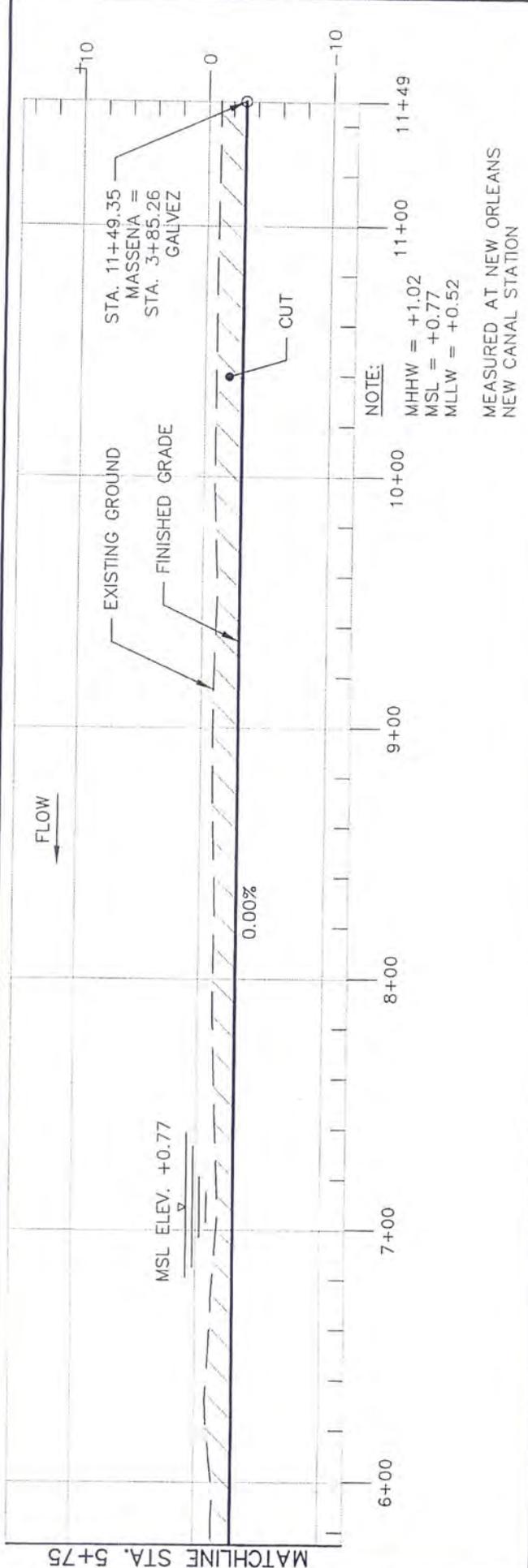
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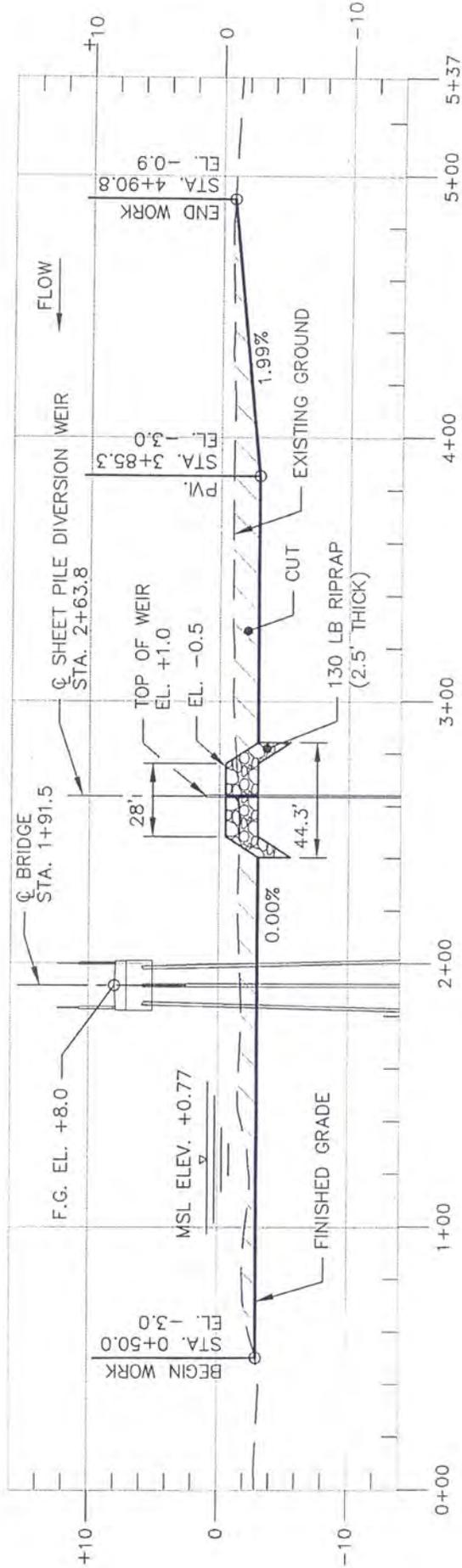
ALIGNMENT D  
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