

JOINT PUBLIC NOTICE

May 30, 2016

U.S. Army Corps of Engineers
New Orleans District
Regulatory Branch
Post Office Box 60267
New Orleans, LA 70160-0267

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

Project Manager: Michael H. Herrmann
(504) 862-1954
Michael.h.herrmann@usace.army.mil
DA Permit Number: MVN-2015-01796-WLL

Project Manager: Elizabeth Hill
(225) 219-3225
WQC Number: WQC 160523-01

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 U.S.C. 403); and/or [X] Section 404 of the Clean Water Act (86 Stat. 816; 33 U.S.C. 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 La. R.S. 30:2074(A)(3) and provisions of Section 401 of the Clean Water Act (P.L. 95-217; 33 U.S.C. 1341).

WATER QUALITY ENHANCEMENT PROJECT IN ST MARTIN PARISH

Name of Applicant: St Martin Parish Government, c/o: Sellers & Associates, Inc., 148-B Easy Street, Lafayette, LA 70506.

Location of Work: Beau Bayou Water Management Unit, approximately 14 miles downstream from Butte Larose, Louisiana in St. Martin Parish, (Lat 30.145N, Long -91.595W), as shown on the attached drawings. Project is located in the Atchafalaya Basin Watershed H.U.C. 08080101.

Character of Work: Conduct mechanized clearing, snagging, excavation and placement of spoil material along 9 miles of existing channels within the Beau Bayou Water Management Unit. Vegetative debris and excessive overgrowth of woody vegetation and trees will be removed all for the purpose of restoring and opening channels for the purpose of restoring water quality, sheetflow, and circulation within the surrounding swamp and opening existing spoil banks to reduce un-natural ponding.

The proposed project will impact the following:

Total Direct Wetland Impacts (Fill, Excavation & Clearing): 51.6 acres

Total Excavation of Wetlands: 10.9 acres; 67,939 Cubic Yards

Total Excavation of Waterbottoms: 27.0 acres; 68,592 cubic yards

Total Fill in Wetlands: 34.1 acres; 102,515 cubic yards

Total Clearing of Forested Wetlands: 6.6 acres; 1,287 cubic yards

The applicant proposes to compensate for all unavoidable, project related impacts to jurisdictional wetlands through the purchase of mitigation credits from a Corps approved mitigation bank.

The comment period for the Department of the Army (DA) permit application 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 DA permit and WQC request and must be mailed, so as to be received before or by the last day of the comment period. Letters concerning the DA permit application must reference the applicant's name and the DA Permit Number,

and be mailed to the U.S. Army Corps of Engineers at the address above. Similar letters concerning the WQC must reference the applicant's name and the WQC Number and be mailed to the Louisiana Department of Environmental Quality at the address above. Individuals or parties may request an extension of time in which to comment on the proposed work by writing or e-mailing the 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 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 these being: 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.

No properties listed on the National Register of Historic Places are known to be near the proposed work. The possibility exists that the proposed work may damage or destroy presently unknown archeological, scientific, prehistoric, or 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.

Based on the South Louisiana **Standard Local Operating Procedure for Endangered Species** (SLOPES), as signed on October 22, 2014, between the U.S. Army Corps of Engineers, New Orleans and the U.S. Fish and Wildlife Service, it has been determined that the combined 9 miles of channel excavation footprint is located in waters known to be utilized by the pallid sturgeon (*Scaphirhynchus albus*) and determined that the activity is not likely to adversely affect this species.

Our initial finding is that the proposed work would not affect any species, nor affect any habitat designated as critical to the survival and recovery of such species, listed as endangered by the U.S. Department of Commerce.

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 0 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.

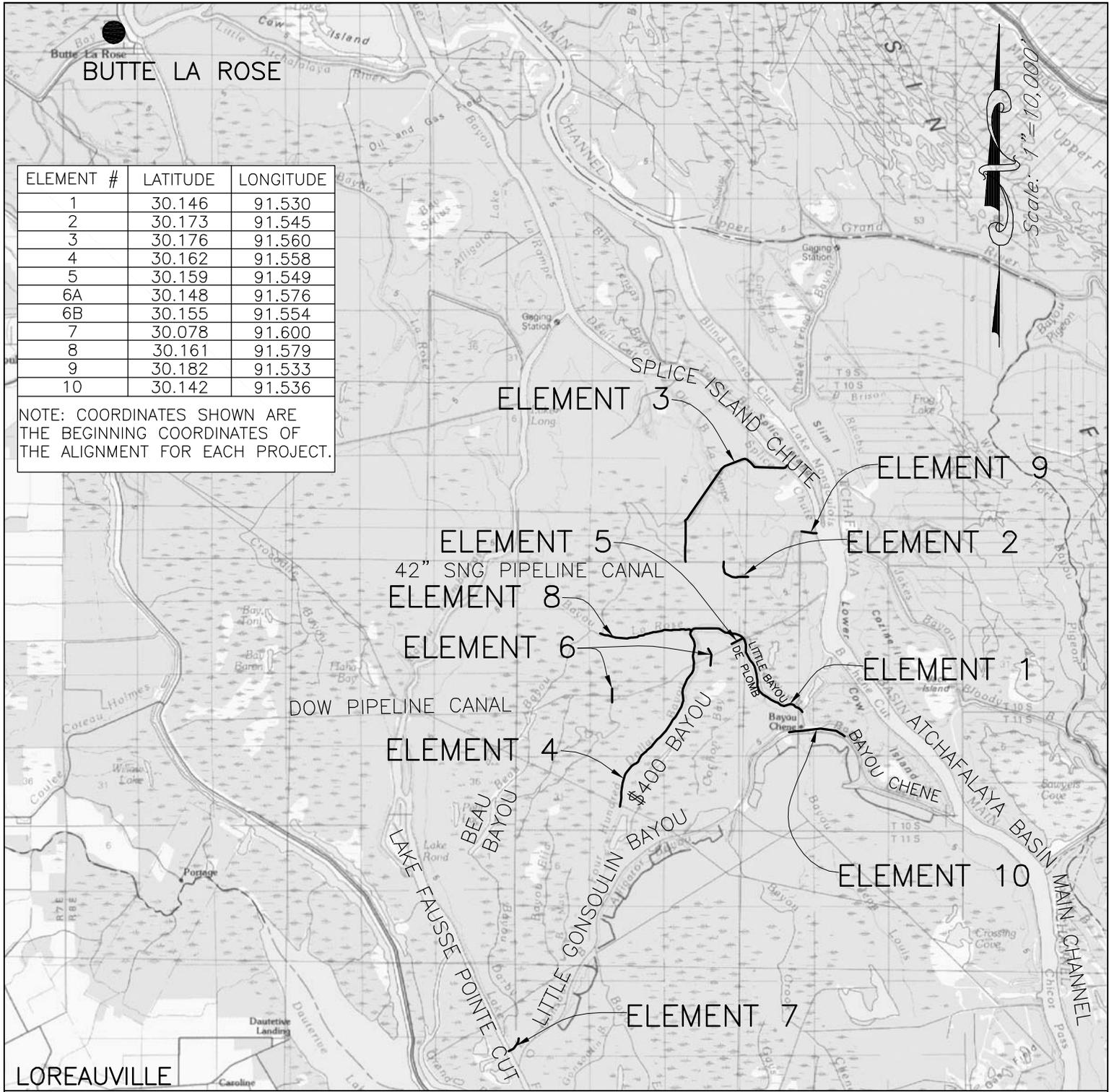
If the proposed work involves deposits of dredged or fill material into navigable waters, the evaluation of the probable impacts will include the application of guidelines established by the Administrator of the U.S. Environmental Protection Agency. Also, a certification that the proposed activity will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

Darrell S. Barbara
Chief, Western Evaluation Section
Regulatory Branch

Enclosure



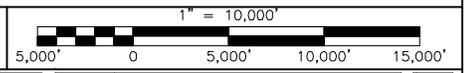
| ELEMENT # | LATITUDE | LONGITUDE |
|-----------|----------|-----------|
| 1 | 30.146 | 91.530 |
| 2 | 30.173 | 91.545 |
| 3 | 30.176 | 91.560 |
| 4 | 30.162 | 91.558 |
| 5 | 30.159 | 91.549 |
| 6A | 30.148 | 91.576 |
| 6B | 30.155 | 91.554 |
| 7 | 30.078 | 91.600 |
| 8 | 30.161 | 91.579 |
| 9 | 30.182 | 91.533 |
| 10 | 30.142 | 91.536 |

NOTE: COORDINATES SHOWN ARE THE BEGINNING COORDINATES OF THE ALIGNMENT FOR EACH PROJECT.

GENERAL NOTES:

1. THE CONTRACTOR SHALL MINIMIZE DISTURBING AREAS TO THE FOOTPRINT NEEDED FOR CONSTRUCTION. ALL AREAS TO BE CLEARED SHALL BE FLAGGED AND INSPECTED PRIOR TO CLEARING OPERATIONS TO INSURE NO DAMAGE TO SIGNIFICANT TREES.
2. UNLESS SPECIFIED OTHERWISE, ALL EXCAVATION SHALL REMAIN WITHIN THE EXISTING CHANNEL TOP BANK. IF THE PROPOSED ALIGNMENT AND TEMPLATE WILL RESULT IN EXCAVATION OUTSIDE OF THE EXISTING TOP BANK, THE CONTRACTOR SHALL FIRST SHIFT THE CENTERLINE ALIGNMENT OF THE TEMPLATE, OR SECOND DECREASE THE BOTTOM WIDTH OF THE DESIGN TEMPLATE TO REMAIN WITHIN THE EXISTING TOP BANK OF THE CHANNEL.
3. EXISTING FEATURES ARE ESTIMATED FROM LIDAR DATA. EXISTING TOP BANK SHALL BE FIELD DETERMINED AND ADJUSTED ACCORDINGLY.
4. WITHIN AREAS MARKED FOR CLEARING & SPOIL DISPOSAL, ALL TREES AND WOODY VEGETATION NOT MARKED FOR PRESERVATION SHALL BE CUT SO THE REMAINING STUMP EXTENDS NO MORE THAN 12" ABOVE THE GROUND SURFACE. CLEARED MATERIAL SHALL BE STOCKPILED AND COVERED WITH EXCAVATED MATERIAL TO A DEPTH OF AT LEAST 2'.
5. PLACEMENT OF EXCAVATED MATERIAL SHALL BE CONTAINED WITHIN THE CLEARING & SPOIL DISPOSAL AREAS. THE EXCAVATED MATERIAL BERM SHALL SLOPE BACK TO NATURAL GROUND AT A 2H:1V SLOPE, AND SHALL NOT BE CONTINUOUS FOR MORE THAN 400', UNLESS SPECIFIED OTHERWISE. THE EXCAVATED MATERIAL BERM SHALL HAVE GAPS WITH A MINIMUM OPENING OF 50' TO ALLOW THE FREE EXCHANGE OF WATER BETWEEN THE CHANNEL AND ADJACENT SWAMP.

QUAD MAP SHOWN: U.S.G.S. BATON ROUGE TOPOGRAPHIC MAP (1984) (1:100,000) (USGS REF. CODE:30091-A1-TM-100)



| | |
|----------|---------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | J. FABRE |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-07 |
| FILE NO. | SEE LEFT SIDE |

Sellers & Associates, Inc.
ENGINEERS SURVEYORS
148-B Easy Street, Lafayette, LA 70508 (337) 282-0777

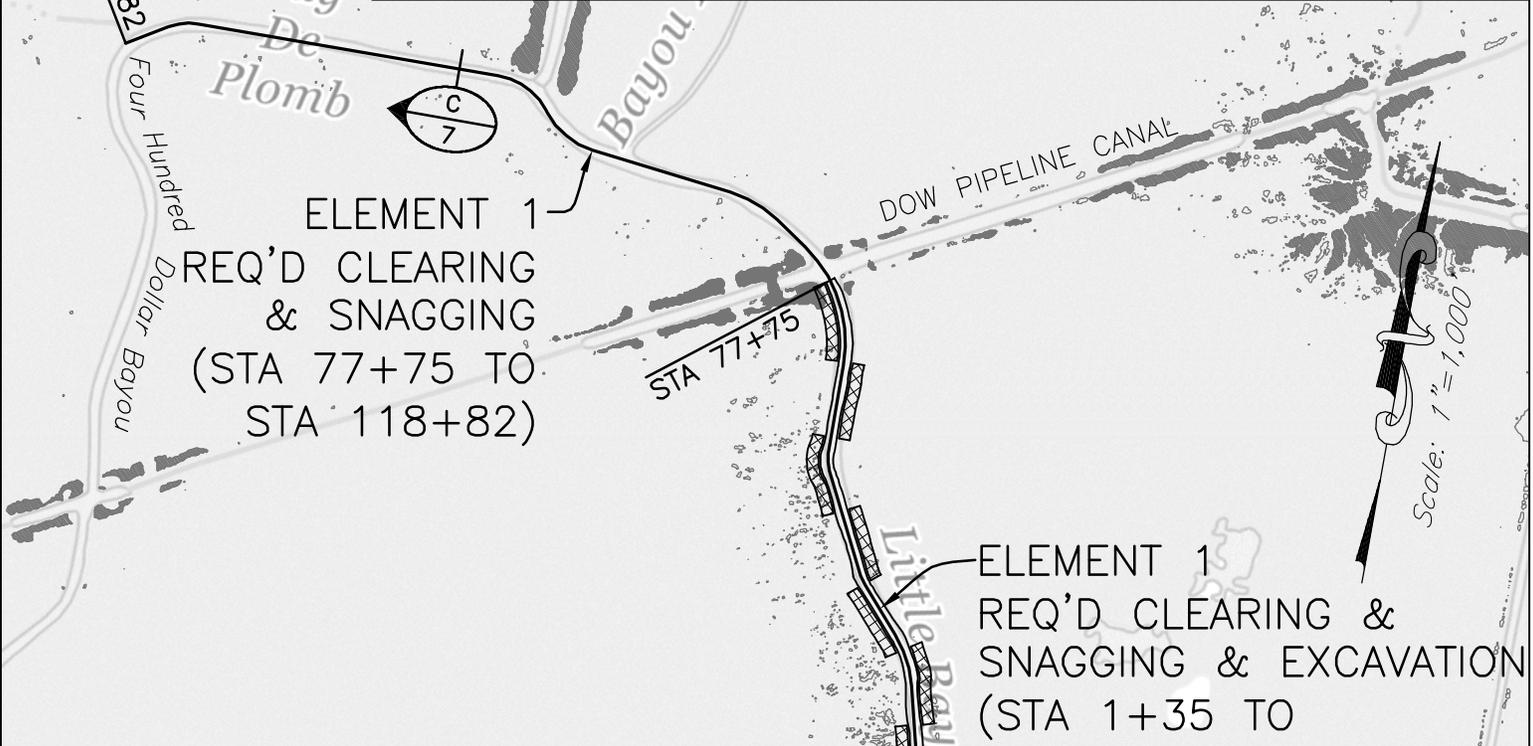
**BEAU BAYOU SWAMP
HYDROLOGIC RESTORATION**

VICINITY MAP & GENERAL NOTES

| | | | |
|----------|-------------------------------|-------|----|
| CLIENT | ST. MARTIN PARISH GOVERNMENT | SHEET | 1 |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. | OF | |
| LOCATION | ST. MARTIN PARISH, LOUISIANA | | 44 |

N:\DATA\8004\8004-07 Permits\Permit Drawings\8004-07 Overall.dwg

| ELEMENT # | SCOPE | BEGINNING STATION | END STATION | LENGTH | BOTTOM WIDTH | TOP WIDTH |
|-----------|-----------------------|-------------------|-------------|--------|--------------|-------------------|
| 1 | CLEARING & EXCAVATION | 1+35 | 77+75 | 7,640' | 30' | VARIES (50'-110') |
| 1 | CLEARING & SNAGGING | 77+75 | 118+82 | 4,107' | | VARIES (90'-100') |



ELEMENT 1
REQ'D CLEARING & SNAGGING
(STA 77+75 TO STA 118+82)

ELEMENT 1
REQ'D CLEARING & SNAGGING & EXCAVATION
(STA 1+35 TO STA 77+75)

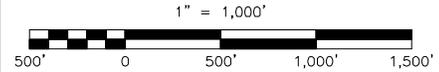
CLEARING AND SPOIL DISPOSAL AREAS
ALTERNATE BANKS EVERY 400'
(400'x60' TYP.)

- NOTES:**
1. THE CONTRACTOR SHALL CLEAR & SNAG ALL VEGETATIVE MATERIAL & DEBRIS WITHIN THE LIMITS SHOWN.
 STA 1+35 TO STA 77+75: ALL VEGETATIVE MATERIAL & DEBRIS WITHIN THE EXISTING TOP BANK SHALL BE CLEARED, GRUBBED, PILED AND BURIED WITHIN THE CLEARING & SPOIL DISPOSAL AREAS.
 STA 77+75 TO STA 118+82: ALL VEGETATIVE MATERIAL & DEBRIS SHALL BE CHIPPED IN PLACE AS CLOSE TO THE GROUND AS THE CUTTING TOOLS PERMIT.
 2. MATERIAL EXCAVATED FROM ELEMENT 1 SHALL BE PLACED IN THE CLEARING AND SPOIL DISPOSAL AREAS SHOWN ON THIS SHEET, OR HAULED TO THE ATCHAFALAYA RIVER AND DISPOSED OF AS DIRECTED BY THE ENGINEER.
 3. STA 1+35 TO STA 5+00: THE CONTRACTOR SHALL CLEAR & EXCAVATE ACCORDING TO THE ALIGNMENT AND TYPICAL SECTION SHOWN. THE WORK WILL INCLUDE CLEARING & EXCAVATION OUTSIDE OF THE EXISTING CHANNEL.
 4. STA 5+00 TO STA 77+75: THE CONTRACTOR SHALL CLEAR & EXCAVATE ACCORDING TO THE TYPICAL SECTION SHOWN. IF THE PROPOSED TYPICAL SECTION WOULD RESULT IN EXCAVATION OUTSIDE OF THE EXISTING TOP BANK, THE CONTRACTOR SHALL FIRST SHIFT THE CENTERLINE OF THE TEMPLATE, OR SECOND DECREASE THE BOTTOM WIDTH TO REMAIN WITHIN THE EXISTING TOP BANK.
 5. PROPOSED WORK WILL INCLUDE OPERATING OVER THE EXISTING DOW PIPELINE. EXTREME CAUTION SHALL BE EXERCISED TO INSURE NO DAMAGE TO THE PIPELINE. THE PIPELINE SHALL NOT BE DISTURBED.

CLEARING & SPOIL DISPOSAL AREAS
 UPLANDS (EL. > 15.6)

LEGEND

SECTION TITLE
 SHEET NO. SHOWING SECTION



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| | |
|----------|---------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | J. FABRE |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-07 |
| FILE NO. | SEE LEFT SIDE |

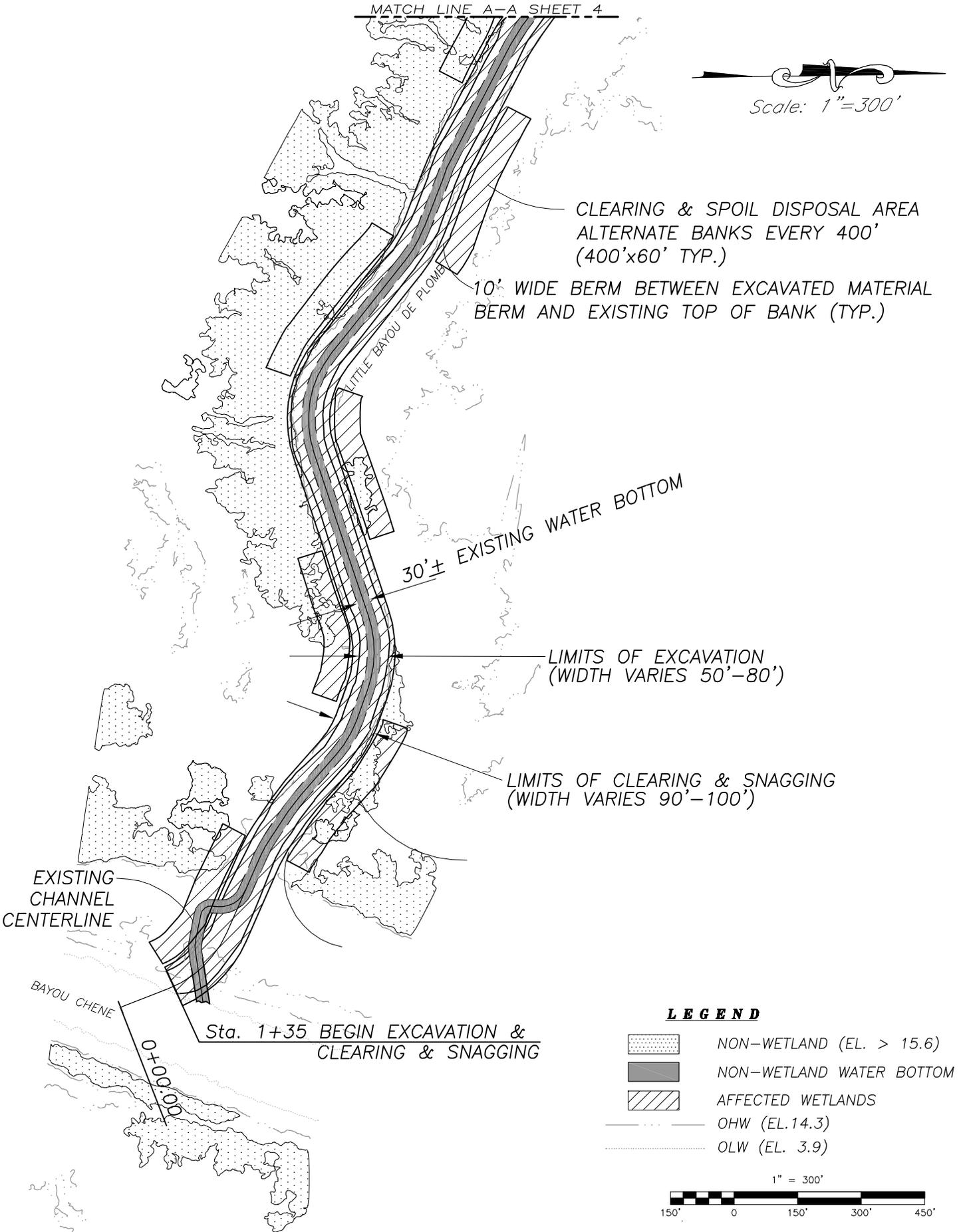
Sellers & Associates, Inc.
 ENGINEERS SURVEYORS
 148-B Easy Street, Lafayette, LA 70508 (337) 282-0777

BEAU BAYOU SWAMP
HYDROLOGIC RESTORATION

ELEMENT 1 — OVERALL PLAN VIEW

| | | | |
|----------|-------------------------------|-------|----|
| CLIENT | ST. MARTIN PARISH GOVERNMENT | SHEET | 2 |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. | OF | |
| LOCATION | ST. MARTIN PARISH, LOUISIANA | | 44 |

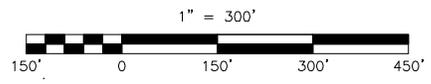
Scale: 1"=300'



Sta. 1+35 BEGIN EXCAVATION & CLEARING & SNAGGING

LEGEND

-  NON-WETLAND (EL. > 15.6)
-  NON-WETLAND WATER BOTTOM
-  AFFECTED WETLANDS
-  OHW (EL. 14.3)
-  OLW (EL. 3.9)



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| | |
|----------|-------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | J. FABRE |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-07 |
| FILE NO. | OVERALL.DWG |



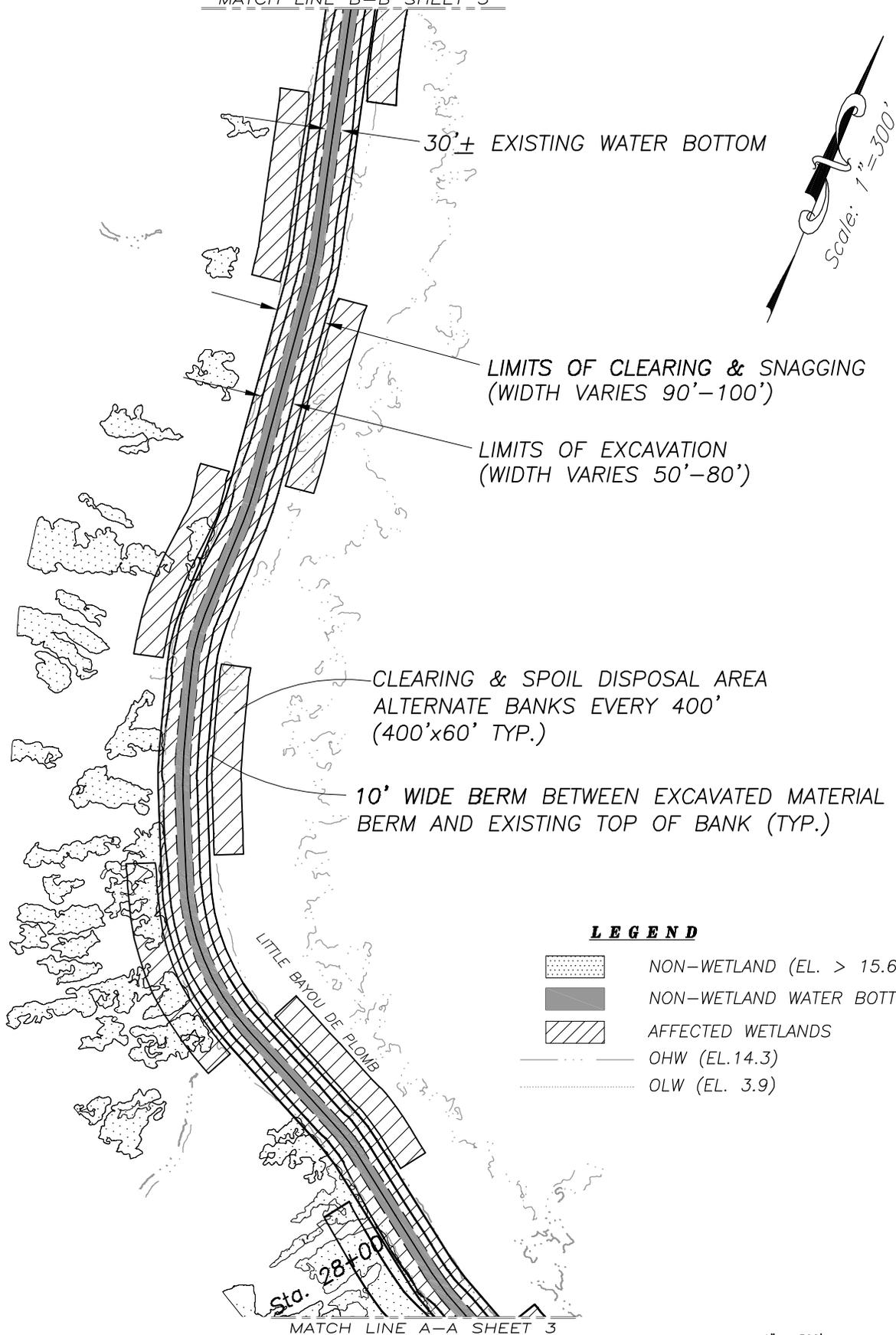
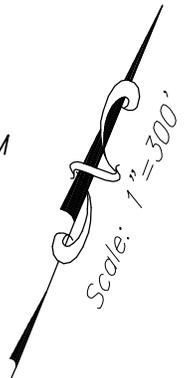
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**BEAU BAYOU SWAMP
 HYDROLOGIC RESTORATION**

ELEMENT 1 — PLAN VIEW

| | |
|----------|-------------------------------|
| CLIENT | ST. MARTIN PARISH GOVERNMENT |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. |
| LOCATION | ST. MARTIN PARISH, LOUISIANA |

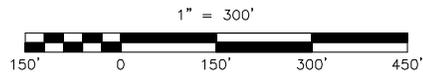
MATCH LINE B-B SHEET 5



MATCH LINE A-A SHEET 3

LEGEND

-  NON-WETLAND (EL. > 15.6)
-  NON-WETLAND WATER BOTTOM
-  AFFECTED WETLANDS
-  OHW (EL. 14.3)
-  OLW (EL. 3.9)



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| | |
|-----------------|-------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | J. FABRE |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-07 |
| FILE NO. | OVERALL.DWG |



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 148-B Bay Street, Lafayette, LA 70506 (337) 232-0777

**BEAU BAYOU SWAMP
 HYDROLOGIC RESTORATION**

ELEMENT 1 — PLAN VIEW

| | |
|-----------------|-------------------------------|
| CLIENT | ST. MARTIN PARISH GOVERNMENT |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. |
| LOCATION | ST. MARTIN PARISH, LOUISIANA |

| | |
|--------------|----|
| SHEET | 4 |
| OF | 44 |

MATCH LINE C-C SHEET 6

LIMITS OF CLEARING AND SNAGGING
(WIDTH VARIES 90'-100')

30'± EXISTING WATER BOTTOM

LITTLE BAYOU DE PLOMB

DOW PIPELINE CANAL

DOW PIPELINE CANAL

Sta. 77+75
END EXCAVATION
BEGIN CLEARING &
SNAGGING ONLY

LITTLE BAYOU DE PLOMB

30'± EXISTING WATER BOTTOM

LIMITS OF EXCAVATION
(WIDTH VARIES 50'-80')

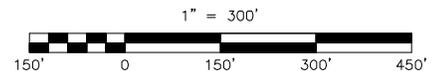
CLEARING & SPOIL DISPOSAL AREA
ALTERNATE BANKS EVERY 400'
(400'x60' TYP.)

10' WIDE BERM BETWEEN EXCAVATED MATERIAL BERM
AND EXISTING TOP OF BANK (TYP.)



LEGEND

-  NON-WETLAND (EL. > 15.6)
-  NON-WETLAND WATER BOTTOM
-  AFFECTED WETLANDS
-  OHW (EL. 14.3)
-  OLV (EL. 3.9)



MATCH LINE B-B SHEET 4

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| | |
|----------|-------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | J. FABRE |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-07 |
| FILE NO. | OVERALL.DWG |



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**BEAU BAYOU SWAMP
HYDROLOGIC RESTORATION**

ELEMENT 1 - PLAN VIEW

| | |
|----------|-------------------------------|
| CLIENT | ST. MARTIN PARISH GOVERNMENT |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. |
| LOCATION | ST. MARTIN PARISH, LOUISIANA |

SHEET
5
OF
44

118+82
END CLEARING
& SNAGGING

FOUR HUNDRED
DOLLAR BAYOU

LIMITS OF CLEARING AND SNAGGING
(WIDTH VARIES 90'-100')

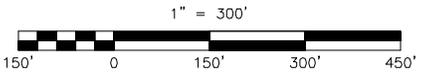
30'± EXISTING WATER BOTTOM

LITTLE BAYOU DE PLOMB

Scale: 1" = 300'

LEGEND

-  NON-WETLAND (EL. > 15.6)
-  NON-WETLAND WATER BOTTOM
-  AFFECTED WETLANDS
-  OHW (EL. 14.3)
-  OLW (EL. 3.9)



MATCH LINE C-C SHEET 5

M:\DATA\8004\8004-07 Permits\Permit Drawings\8004-07 Project 1 Plans.dwg

| | |
|-----------------|-------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | J. FABRE |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-07 |
| FILE NO. | OVERALL.DWG |



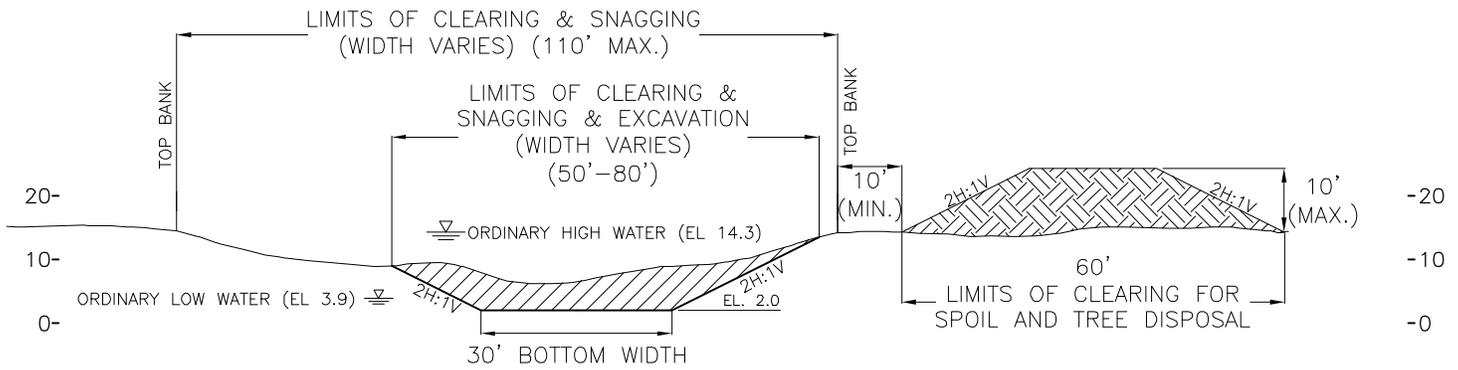
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**BEAU BAYOU SWAMP
HYDROLOGIC RESTORATION**

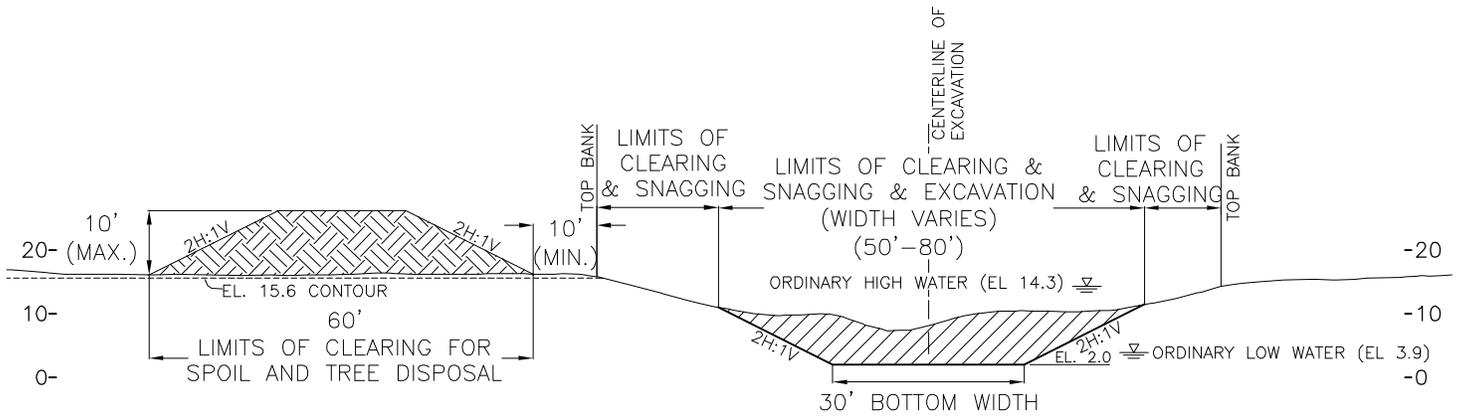
ELEMENT 1 - PLAN VIEW

| | |
|-----------------|-------------------------------|
| CLIENT | ST. MARTIN PARISH GOVERNMENT |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. |
| LOCATION | ST. MARTIN PARISH, LOUISIANA |

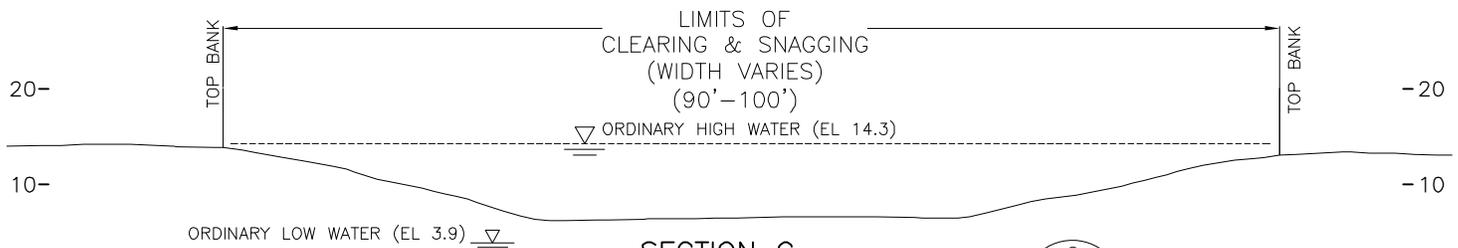
SHEET
6
OF
44



SECTION A
 TYPICAL SECTION-CLEARING & SNAGGING & EXCAVATION
 STA 1+35 TO STA 77+75
 SCALE: 1"=30'



SECTION B
 TYPICAL SECTION-CLEARING & SNAGGING & EXCAVATION
 STA 1+35 TO STA 77+75
 SCALE: 1"=30'



SECTION C
 TYPICAL SECTION-CLEARING & SNAGGING
 STA 77+75 TO STA 118+82
 SCALE: 1"=20'

| PROJECT FEATURES | QUANTITY |
|--------------------------------|----------|
| CHANNEL EXCAVATION (CU. YDS.) | 86,670 |
| CLEARING & SNAGGING (LIN. FT.) | 11,747 |
| CLEARING (ACRES) | 12.3 |

LEGEND

- SECTION TITLE
- SHEET NO. SHOWING PLAN VIEW
- EXCAVATED MATERIAL BERM
- EXCAVATION

| | |
|----------|-------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | N. SONNIER |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-05 |
| FILE NO. | 8004-05\CAD |

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**BEAU BAYOU SWAMP
 HYDROLOGIC RESTORATION**

ELEMENT 1 - TYPICAL SECTIONS

| | | | |
|----------|-------------------------------|-------|----|
| CLIENT | ST. MARTIN PARISH GOVERNMENT | SHEET | 7 |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. | OF | 44 |
| LOCATION | ST. MARTIN PARISH, LOUISIANA | | |

| ELEMENT # | SCOPE | BEGINNING STATION | END STATION | LENGTH | BOTTOM WIDTH | TOP WIDTH |
|-----------|-----------------------|-------------------|-------------|--------|--------------|------------------|
| 2 | CLEARING & EXCAVATION | 0+67 | 16+25 | 1,558' | 15' | VARIES (25'-55') |



42" SNG PIPELINE CANAL

STA 0+67

REQ'D CLEARING & SNAGGING & EXCAVATION (STA 0+67 TO STA 16+25)

CLEARING & SPOIL DISPOSAL AREAS (400'x45' TYP.)

UNNAMED CANAL

STA 16+25

UNNAMED CANAL

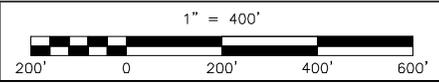
NOTES:

1. THE CONTRACTOR SHALL CLEAR & SNAG ALL VEGETATIVE MATERIAL & DEBRIS WITHIN THE LIMITS SHOWN. ALL VEGETATIVE MATERIAL & DEBRIS SHALL BE CLEARED, GRUBBED, PILED AND BURIED WITHIN THE CLEARING & SPOIL DISPOSAL AREAS.
2. MATERIAL EXCAVATED FROM ELEMENT 2 SHALL BE PLACED IN THE CLEARING & SPOIL DISPOSAL AREAS SHOWN OR HAULED TO THE ATCHAFALAYA RIVER AND DISPOSED OF AS DIRECTED BY THE ENGINEER.
3. THE CONTRACTOR SHALL CLEAR AND EXCAVATE ACCORDING TO THE ALIGNMENT AND TYPICAL SECTION SHOWN. SINCE THE EXISTING CHANNEL CENTERLINE MEANDERS, THE PROPOSED ALIGNMENT MAY INVOLVE EXCAVATION OUTSIDE OF THE EXISTING TOP BANK.

CLEARING & SPOIL DISPOSAL AREAS
 UPLANDS (EL. > 15.6)

LEGEND

SECTION TITLE
 SHEET NO. SHOWING SECTION



| | |
|----------|---------------|
| ENGINEER | N. SONNIER |
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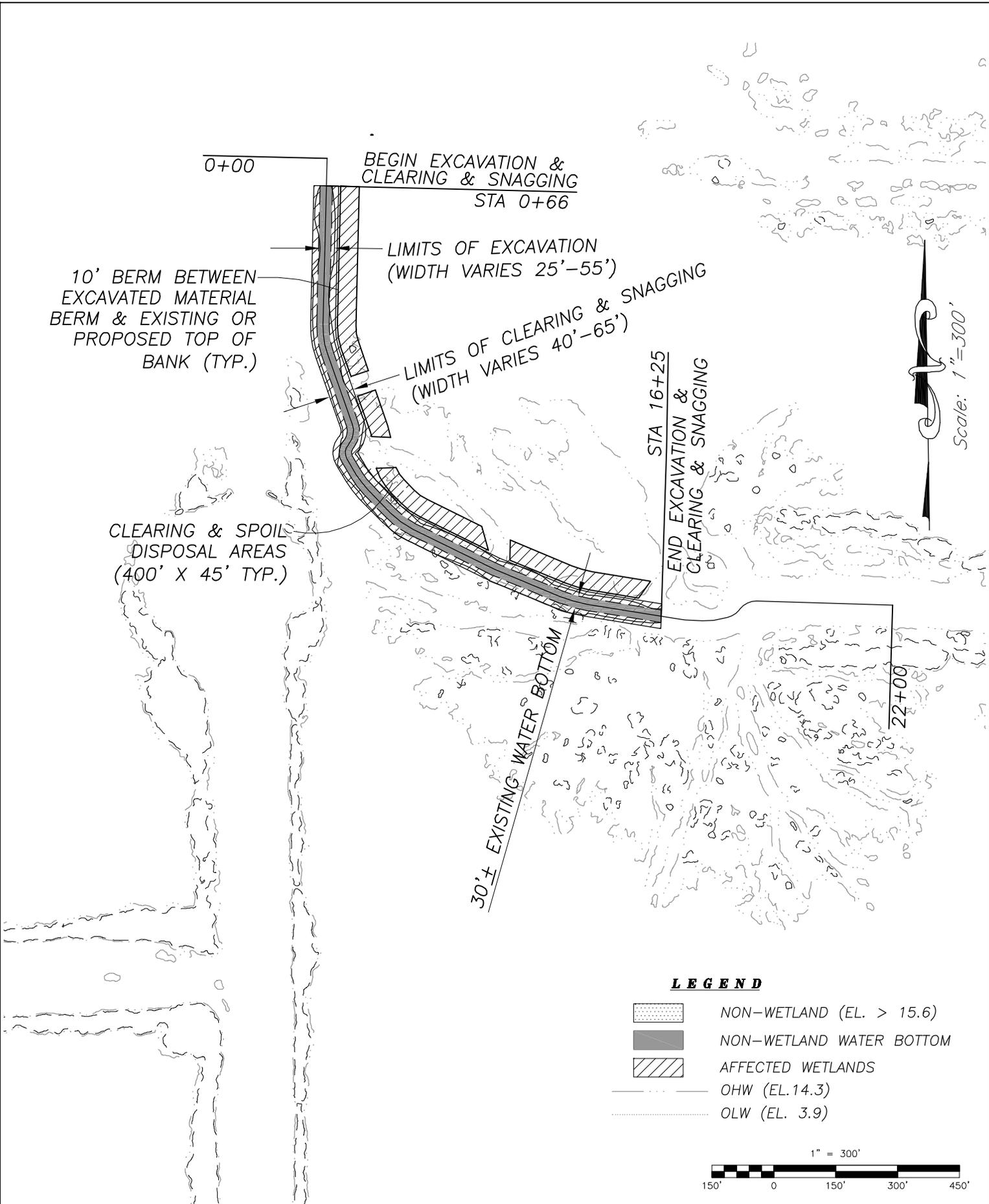
**BEAU BAYOU SWAMP
 HYDROLOGIC RESTORATION**

ELEMENT 2 - OVERALL PLAN VIEW

| | | | |
|----------|-------------------------------|-------|----|
| CLIENT | ST. MARTIN PARISH GOVERNMENT | SHEET | 8 |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. | OF | |
| LOCATION | ST. MARTIN PARISH, LOUISIANA | | 44 |

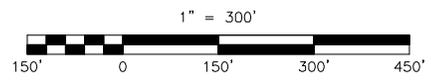
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LEGEND

- NON-WETLAND (EL. > 15.6)
- NON-WETLAND WATER BOTTOM
- AFFECTED WETLANDS
- OHW (EL. 14.3)
- OLW (EL. 3.9)



| | |
|-----------------|--------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | J. FABRE |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-07 |
| FILE NO. | PROJECT2.DWG |

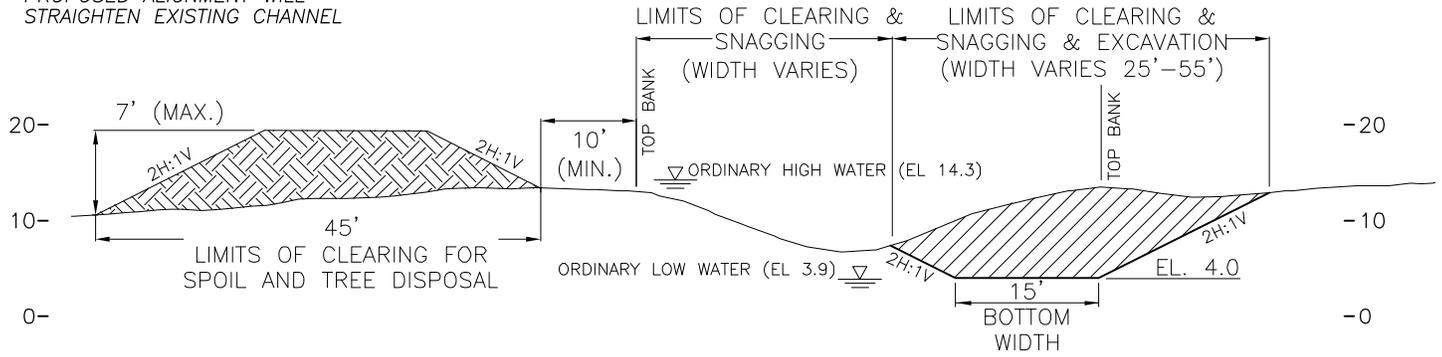
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**BEAU BAYOU SWAMP
 HYDROLOGIC RESTORATION**

ELEMENT 2 — PLAN VIEW

| | |
|-----------------|-------------------------------|
| CLIENT | ST. MARTIN PARISH GOVERNMENT |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. |
| LOCATION | ST. MARTIN PARISH, LOUISIANA |

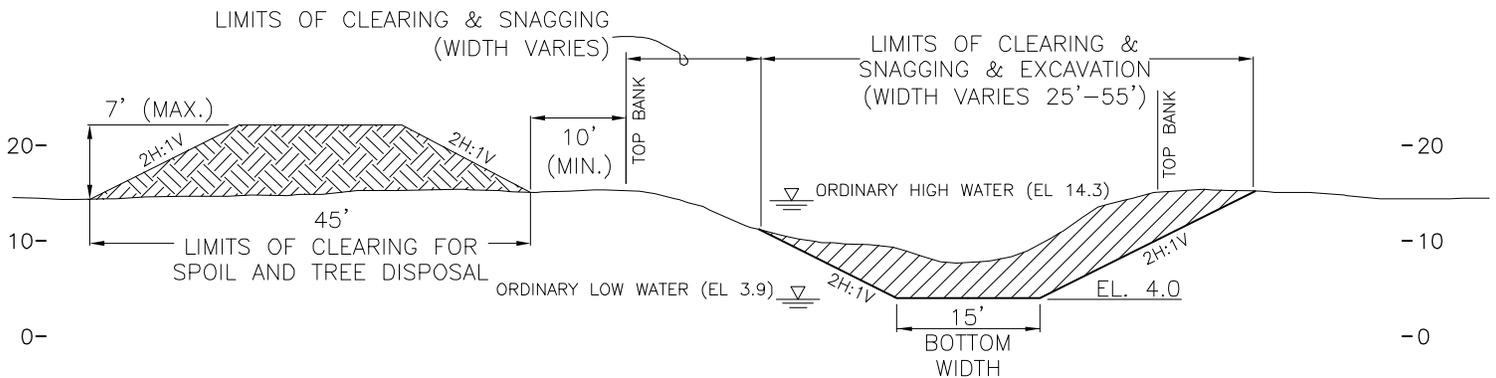
NOTE: EXISTING CHANNEL MEANDERS.
PROPOSED ALIGNMENT WILL
STRAIGHTEN EXISTING CHANNEL



SECTION A – EXISTING CHANNEL OFFSET FROM PROPOSED CENTERLINE

TYPICAL SECTION—CLEARING & SNAGGING & EXCAVATION
STA 0+67 TO STA 16+25
SCALE: 1"=20'

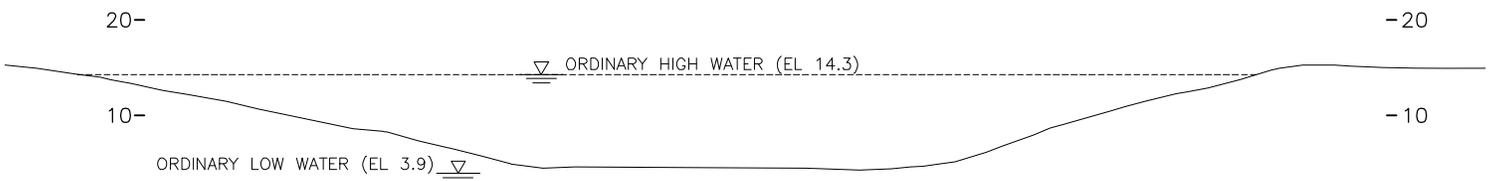
A
8



SECTION B

TYPICAL SECTION—CLEARING & SNAGGING & EXCAVATION
STA 0+67 TO STA 16+25
SCALE: 1"=20'

B
8

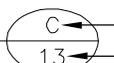
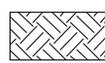
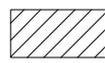


SECTION C

TYPICAL SECTION—NO WORK
SCALE: 1"=20'

C
8

LEGEND

-  SECTION TITLE
-  SHEET NO. SHOWING PLAN VIEW
-  EXCAVATED MATERIAL BERM
-  EXCAVATION

| PROJECT FEATURES | QUANTITY |
|--------------------------------|----------|
| EXCAVATION (CU. YDS.) | 9,191 |
| CLEARING & SNAGGING (LIN. FT.) | 1,558 |
| CLEARING (ACRES) | 1.5 |

| | |
|----------|-------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | N. SONNIER |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-05 |
| FILE NO. | 8004-05\CAD |

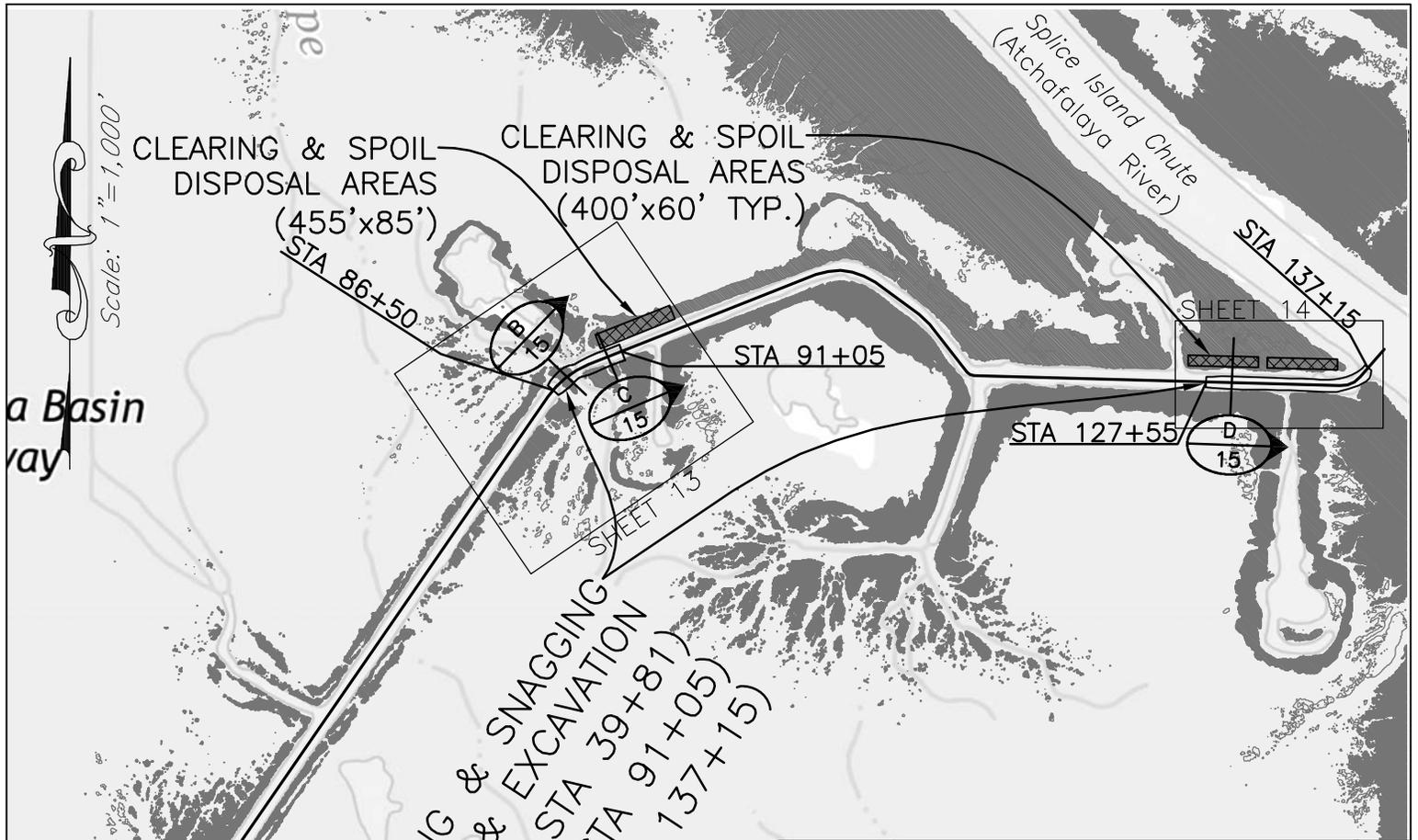


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**BEAU BAYOU SWAMP
HYDROLOGIC RESTORATION**

ELEMENT 2 – TYPICAL SECTIONS

| | | |
|----------|-------------------------------|-------------------------|
| CLIENT | ST. MARTIN PARISH GOVERNMENT | SHEET 10 OF 44 |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. | |
| LOCATION | ST. MARTIN PARISH, LOUISIANA | |



- NOTES:**
1. THE CONTRACTOR SHALL CLEAR & SNAG ALL VEGETATIVE MATERIAL & DEBRIS WITHIN THE LIMITS SHOWN. ALL VEGETATIVE MATERIAL & DEBRIS SHALL BE CLEARED, GRUBBED, PILED AND BURIED WITHIN THE CLEARING & SPOIL DISPOSAL AREAS.
 2. MATERIAL EXCAVATED FROM ELEMENT 3 SHALL BE PLACED IN THE CLEARING & SPOIL DISPOSAL AREAS SHOWN OR HAULED TO THE ATCHAFALAYA RIVER AND DISPOSED OF AS DIRECTED BY THE ENGINEER.
 3. STA 10+10 TO STA 39+81: EXCAVATION WILL INVOLVE CREATING A NEW CHANNEL WITHIN A CLEARED ROW AND ENLARGING AN EXISTING SLOUGH.
 4. STA 86+50 TO STA 91+05: THE CHANNEL EXCAVATION WILL RESULT IN REMOVING AN EXISTING EARTHEN PLUG AT APPROXIMATELY STA 87+50 WITHIN THE EXISTING CHANNEL.
 5. STA 127+55 TO STA 137+15: IF THE PROPOSED TYPICAL SECTION WILL RESULT IN EXCAVATION OUTSIDE OF THE EXISTING TOP BANK, THE CONTRACTOR SHALL FIRST SHIFT THE CENTERLINE OF THE TEMPLATE, OR SECOND DECREASE THE BOTTOM WIDTH TO REMAIN WITHIN THE EXISTING TOP BANK.

| ELEMENT # | SCOPE | BEGINNING STATION | END STATION | LENGTH | BOTTOM WIDTH | TOP WIDTH |
|-----------|-----------------------|-------------------|-------------|--------|--------------|-------------------|
| 3 | CLEARING & EXCAVATION | 10+10 | 39+81 | 2,971 | 10' | VARIES (17'-25') |
| 3 | CLEARING & EXCAVATION | 86+50 | 91+05 | 455' | 60' | VARIES (75'-110') |
| 3 | CLEARING & EXCAVATION | 127+55 | 137+15 | 960' | 40' | VARIES (60'-75') |

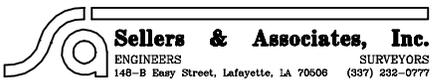


LEGEND

- CLEARING & SPOIL DISPOSAL AREAS
- UPLANDS (EL. > 15.6)
- SECTION TITLE
- SHEET NO. SHOWING SECTION

Scale: 1" = 1,000'

ENGINEER: N. SONNIER
 DRAWN BY: J. FABRE
 DATE: APRIL 2016
 SCALE: AS SHOWN
 PROJECT: 8004-07
 FILE NO.: SEE LEFT SIDE



**BEAU BAYOU SWAMP
 HYDROLOGIC RESTORATION**

ELEMENT 3 - OVERALL PLAN VIEW

| | | | |
|----------|-------------------------------|-------|----|
| CLIENT | ST. MARTIN PARISH GOVERNMENT | SHEET | 11 |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. | OF | |
| LOCATION | ST. MARTIN PARISH, LOUISIANA | | 44 |

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STA 39+81
 END EXCAVATION & CLEARING & SNAGGING
 EXISTING CANAL

10' BERM BETWEEN EXCAVATED MATERIAL BERM & EXISTING OR PROPOSED TOP OF BANK (TYP.)

CLEARING & SPOIL DISPOSAL AREAS (400' X 45' TYP.)

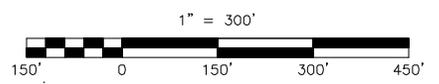
30'± EXISTING WATER BOTTOM LIMITS OF CLEARING & SNAGGING (30' MAX.)

LIMITS OF EXCAVATION (WIDTH VARIES 17'-25')

Scale: 1" = 300'

LEGEND

-  NON-WETLAND (EL. > 15.6)
-  NON-WETLAND WATER BOTTOM
-  AFFECTED WETLANDS
-  OHW (EL. 14.3)
-  OLW (EL. 3.9)



STA 10+10.00
 BEGIN EXCAVATION & CLEARING & SNAGGING
 42" SNG PIPELINE
 10+00

| | |
|----------|-------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | J. FABRE |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-07 |
| FILE NO. | OVERALL.DWG |



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**BEAU BAYOU SWAMP
 HYDROLOGIC RESTORATION**

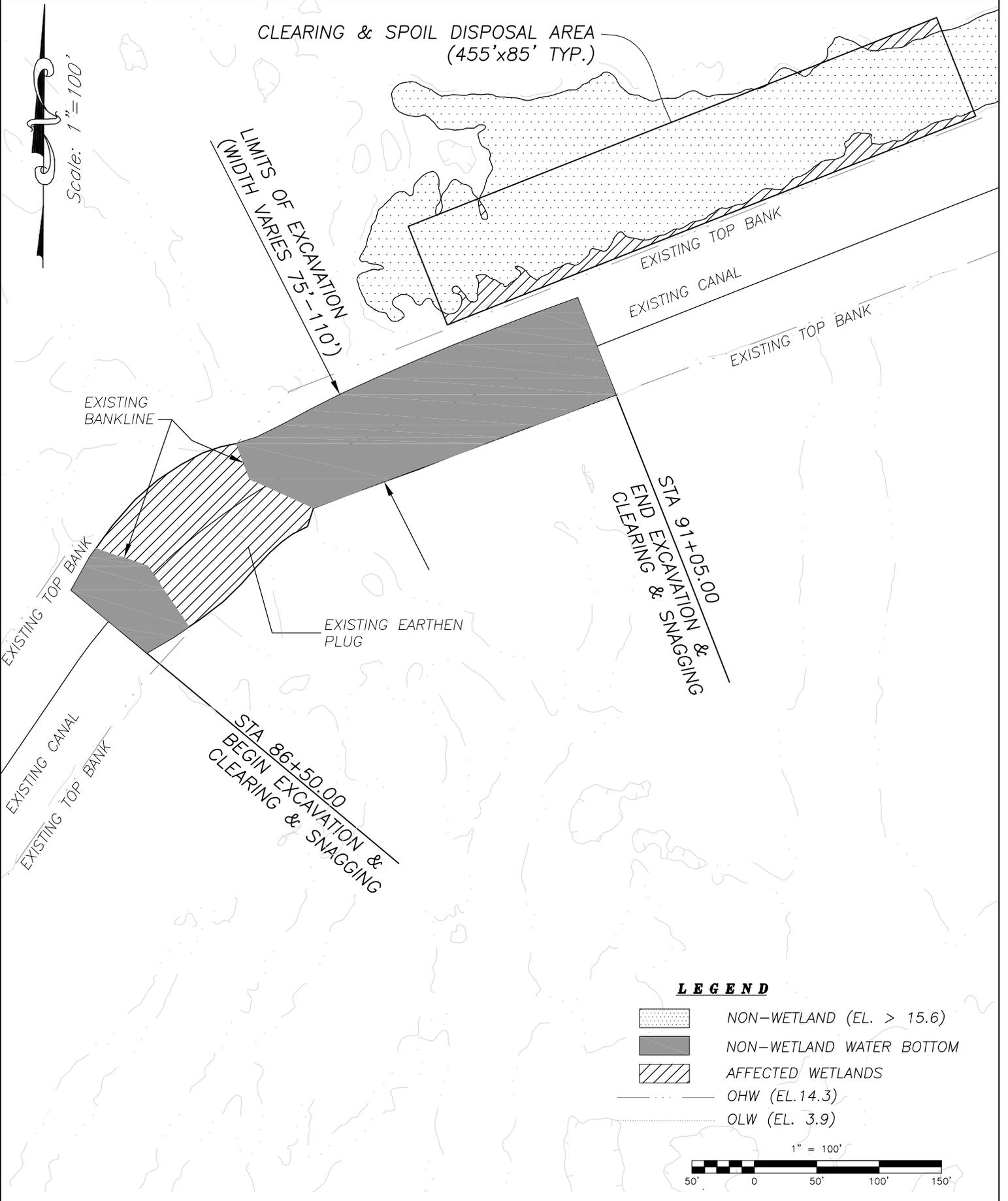
ELEMENT 3 - PLAN VIEW

| | |
|----------|-------------------------------|
| CLIENT | ST. MARTIN PARISH GOVERNMENT |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. |
| LOCATION | ST. MARTIN PARISH, LOUISIANA |

SHEET
 12
 OF
 44

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| | |
|-----------------|-------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | J. FABRE |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-07 |
| FILE NO. | OVERALL.DWG |



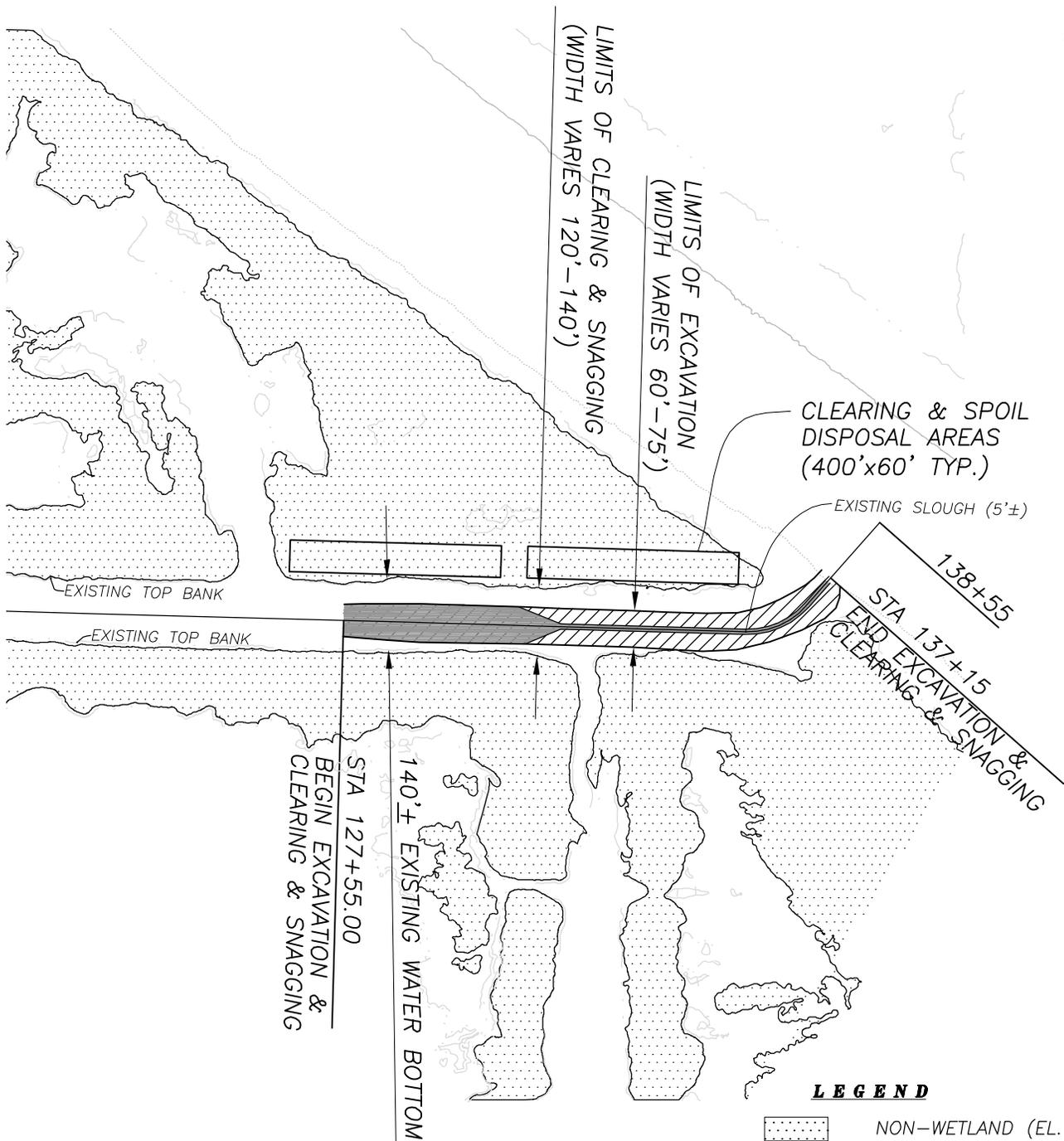
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**BEAU BAYOU SWAMP
 HYDROLOGIC RESTORATION**

ELEMENT 3 — PLAN VIEW

| | |
|-----------------|-------------------------------|
| CLIENT | ST. MARTIN PARISH GOVERNMENT |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. |
| LOCATION | ST. MARTIN PARISH, LOUISIANA |

Scale: 1"=300'



NOTE: SEDIMENT HAS BUILT UP WITHIN THE EXISTING CANAL AT THE ATCHAFALAYA RIVER. VEGETATION (MAINLY WILLOW TREES) HAS ALSO GROWN WITHIN THE EXISTING CANAL. THERE IS A SMALL EXISTING SLOUGH (APPROXIMATELY 5' WIDE) AT THE ATCHAFALAYA RIVER THAT OPENS UP TO THE EXISTING CANAL APPROXIMATELY 700' FROM THE ATCHAFALAYA RIVER.

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| | |
|----------|-------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | J. FABRE |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-07 |
| FILE NO. | OVERALL.DWG |



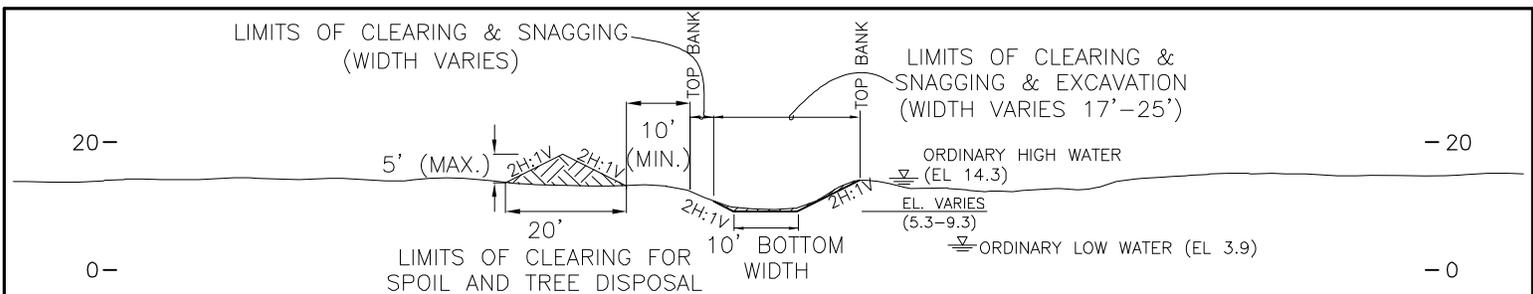
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**BEAU BAYOU SWAMP
HYDROLOGIC RESTORATION**

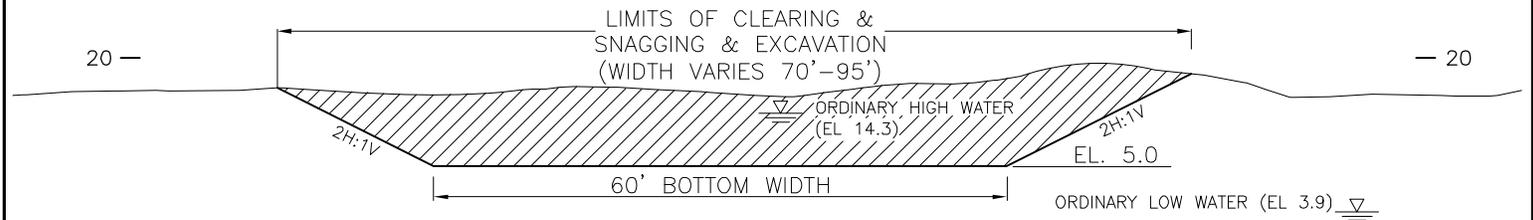
ELEMENT 3 - PLAN VIEW

| | |
|----------|-------------------------------|
| CLIENT | ST. MARTIN PARISH GOVERNMENT |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. |
| LOCATION | ST. MARTIN PARISH, LOUISIANA |

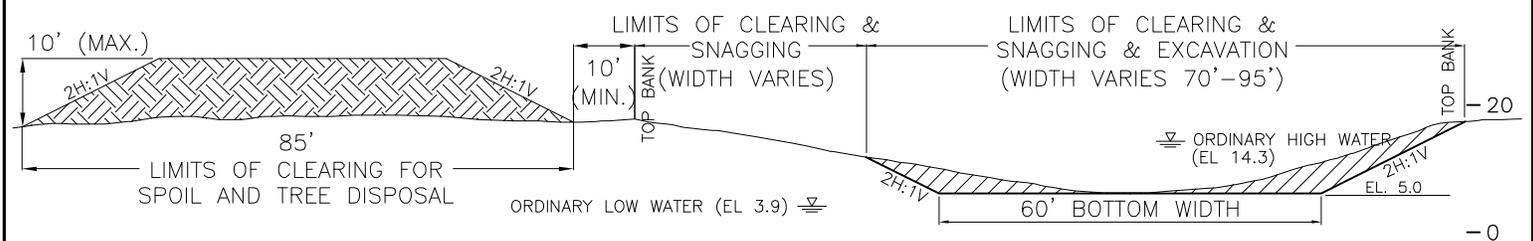
SHEET
14
OF
44



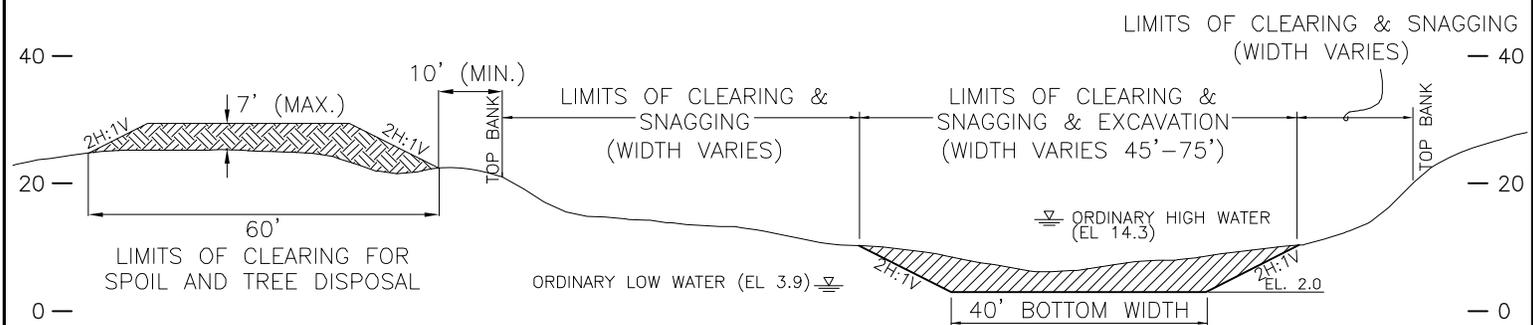
SECTION A - SECTION THROUGH EXISTING CHANNEL (A/11)
 TYPICAL SECTION-CLEARING & SNAGGING & EXCAVATION
 STA 10+10 TO STA 39+81
 SCALE: 1"=30'



SECTION B - SECTION THROUGH EXISTING EARTHEN PLUG (B/11)
 TYPICAL SECTION-CLEARING & SNAGGING & EXCAVATION
 STA 86+50 TO STA 91+05
 SCALE: 1"=20'



SECTION C
 TYPICAL SECTION-CLEARING & SNAGGING & EXCAVATION (C/11)
 STA 86+50 TO STA 91+05
 SCALE: 1"=30'



SECTION D
 TYPICAL SECTION-CLEARING & SNAGGING & EXCAVATION (D/11)
 STA 127+55 TO STA 137+15
 SCALE: 1"=30'

LEGEND

-  SECTION TITLE
-  SHEET NO. SHOWING PLAN VIEW
-  EXCAVATED MATERIAL BERM
-  EXCAVATION

| PROJECT FEATURES | QUANTITY |
|--------------------------------|----------|
| EXCAVATION (CU. YDS.) | 19,795 |
| CLEARING & SNAGGING (LIN. FT.) | 4,386 |
| CLEARING (ACRES) | 3.8 |

| | |
|----------|-------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | N. SONNIER |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-05 |
| FILE NO. | 8004-05\CAD |



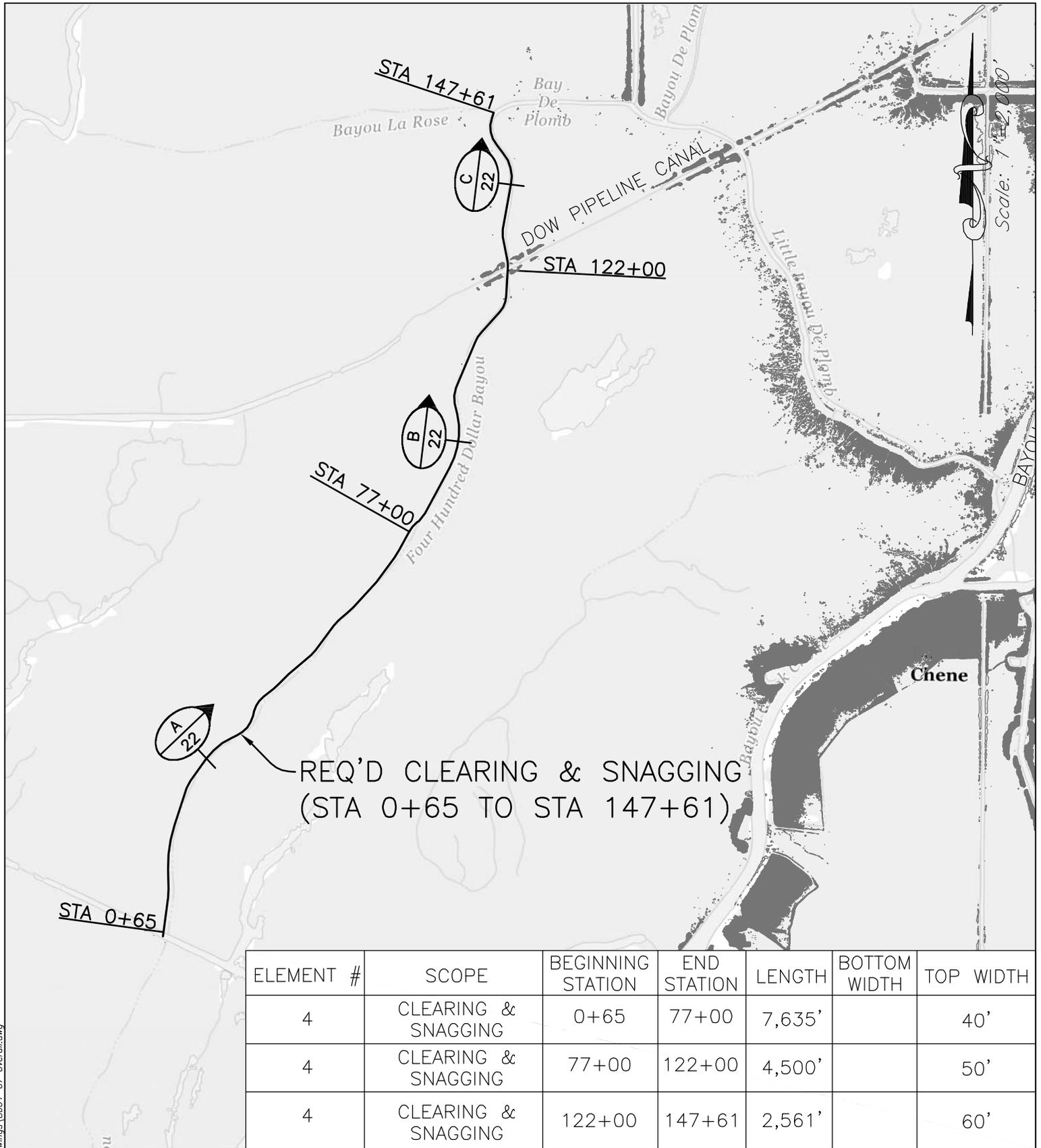
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**BEAU BAYOU SWAMP
 HYDROLOGIC RESTORATION**

ELEMENT 3 - TYPICAL SECTIONS

| | |
|----------|-------------------------------|
| CLIENT | ST. MARTIN PARISH GOVERNMENT |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. |
| LOCATION | ST. MARTIN PARISH, LOUISIANA |

SHEET
 15
 OF
 44



| ELEMENT # | SCOPE | BEGINNING STATION | END STATION | LENGTH | BOTTOM WIDTH | TOP WIDTH |
|-----------|---------------------|-------------------|-------------|--------|--------------|-----------|
| 4 | CLEARING & SNAGGING | 0+65 | 77+00 | 7,635' | | 40' |
| 4 | CLEARING & SNAGGING | 77+00 | 122+00 | 4,500' | | 50' |
| 4 | CLEARING & SNAGGING | 122+00 | 147+61 | 2,561' | | 60' |

NOTES:
 1. THE CONTRACTOR SHALL CLEAR & SNAG ALL VEGETATIVE MATERIAL & DEBRIS WITHIN THE LIMITS SHOWN. ALL VEGETATIVE MATERIAL & DEBRIS SHALL BE CHIPPED IN PLACE AS CLOSE TO THE GROUND AS THE CUTTING TOOLS PERMIT.

| | | | |
|---|---------------|--|--|
|  CLEARING & SPOIL DISPOSAL AREAS  UPLANDS (EL. > 15.6) | LEGEND |  SECTION TITLE  SHEET NO. SHOWING SECTION | 1" = 2,000'  |
|---|---------------|--|--|

| | |
|----------|---------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | J. FABRE |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-07 |
| FILE NO. | SEE LEFT SIDE |



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**BEAU BAYOU SWAMP
 HYDROLOGIC RESTORATION**

ELEMENT 4 - OVERALL PLAN VIEW

| | | | |
|----------|-------------------------------|-------|----|
| CLIENT | ST. MARTIN PARISH GOVERNMENT | SHEET | 16 |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. | OF | |
| LOCATION | ST. MARTIN PARISH, LOUISIANA | | 44 |

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MATCH LINE A-A SHEET 18

Scale: 1" = 300'

FOUR HUNDRED DOLLAR BAYOU

20'± EXISTING WATER BOTTOM

LIMITS OF CLEARING & SNAGGING
(40' MAX.)

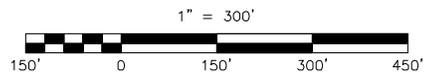
STA 0+65.00
BEGIN CLEARING & SNAGGING

0+00.00

SORRENTO PIPELINE CANAL

LEGEND

-  NON-WETLAND (EL. > 15.6)
-  NON-WETLAND WATER BOTTOM
-  AFFECTED WETLANDS
-  OHW (EL. 14.3)
-  OLW (EL. 3.9)



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| | |
|----------|-------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | J. FABRE |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-07 |
| FILE NO. | OVERALL.DWG |



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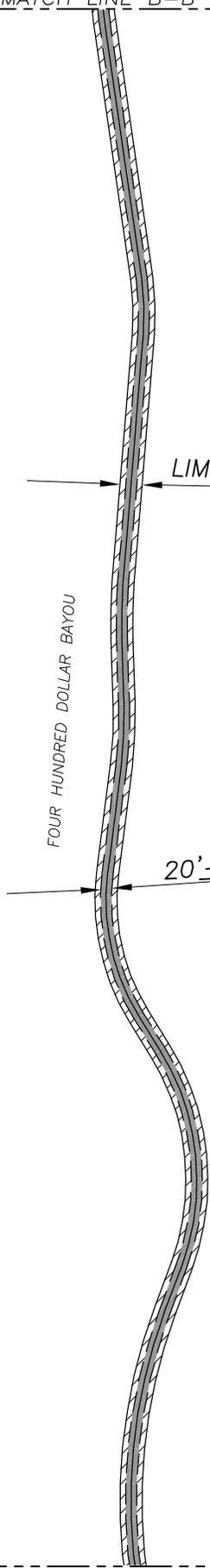
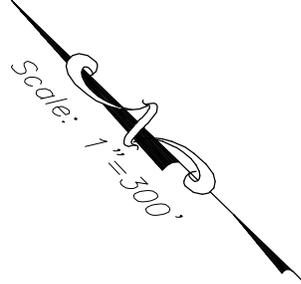
**BEAU BAYOU SWAMP
HYDROLOGIC RESTORATION**

ELEMENT 4 - PLAN VIEW

| | |
|----------|-------------------------------|
| CLIENT | ST. MARTIN PARISH GOVERNMENT |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. |
| LOCATION | ST. MARTIN PARISH, LOUISIANA |

SHEET
17
OF
44

MATCH LINE B-B SHEET 19



LIMITS OF CLEARING & SNAGGING (40' MAX.)

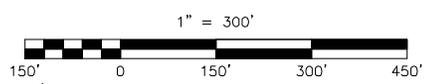
FOUR HUNDRED DOLLAR BAYOU

20'± EXISTING WATER BOTTOM

MATCH LINE A-A SHEET 17

LEGEND

-  NON-WETLAND (EL. > 15.6)
-  NON-WETLAND WATER BOTTOM
-  AFFECTED WETLANDS
-  OHW (EL. 14.3)
-  OLV (EL. 3.9)



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|----------|-------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | J. FABRE |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-07 |
| FILE NO. | OVERALL.DWG |



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**BEAU BAYOU SWAMP
HYDROLOGIC RESTORATION**

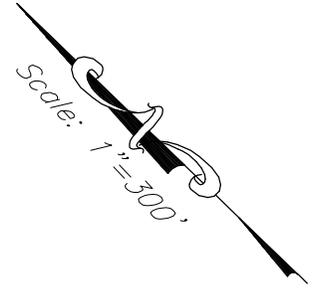
ELEMENT 4 - PLAN VIEW

| | |
|----------|-------------------------------|
| CLIENT | ST. MARTIN PARISH GOVERNMENT |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. |
| LOCATION | ST. MARTIN PARISH, LOUISIANA |

SHEET
18
OF
44

MATCH LINE C-C SHEET 20

LIMITS OF CLEARING & SNAGGING
(50' MAX.)



Scale: 1" = 300'

25' TRANSITION
(40' TO 50')
STA 77+00.00
STA 76+75.00

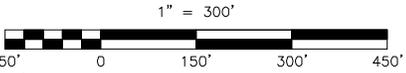
FOUR HUNDRED DOLLAR BAYOU

20'± EXISTING WATER BOTTOM

LEGEND

-  NON-WETLAND (EL. > 15.6)
-  NON-WETLAND WATER BOTTOM
-  AFFECTED WETLANDS
-  OHW (EL. 14.3)
-  OLW (EL. 3.9)

LIMITS OF CLEARING & SNAGGING
(40' MAX.)



MATCH LINE B-B SHEET 18

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| | |
|----------|-------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | J. FABRE |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-07 |
| FILE NO. | OVERALL.DWG |



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**BEAU BAYOU SWAMP
HYDROLOGIC RESTORATION**

ELEMENT 4 - PLAN VIEW

| | |
|----------|-------------------------------|
| CLIENT | ST. MARTIN PARISH GOVERNMENT |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. |
| LOCATION | ST. MARTIN PARISH, LOUISIANA |



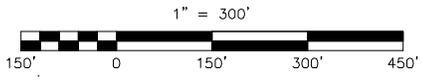
20'± EXISTING WATER BOTTOM

FOUR HUNDRED DOLLAR BAYOU

LIMITS OF CLEARING & SNAGGING
(50' MAX.)

LEGEND

-  NON-WETLAND (EL. > 15.6)
-  NON-WETLAND WATER BOTTOM
-  AFFECTED WETLANDS
-  OHW (EL. 14.3)
-  OLW (EL. 3.9)



MATCH LINE C-C SHEET 19

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| | |
|-----------------|-------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | J. FABRE |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-07 |
| FILE NO. | OVERALL.DWG |



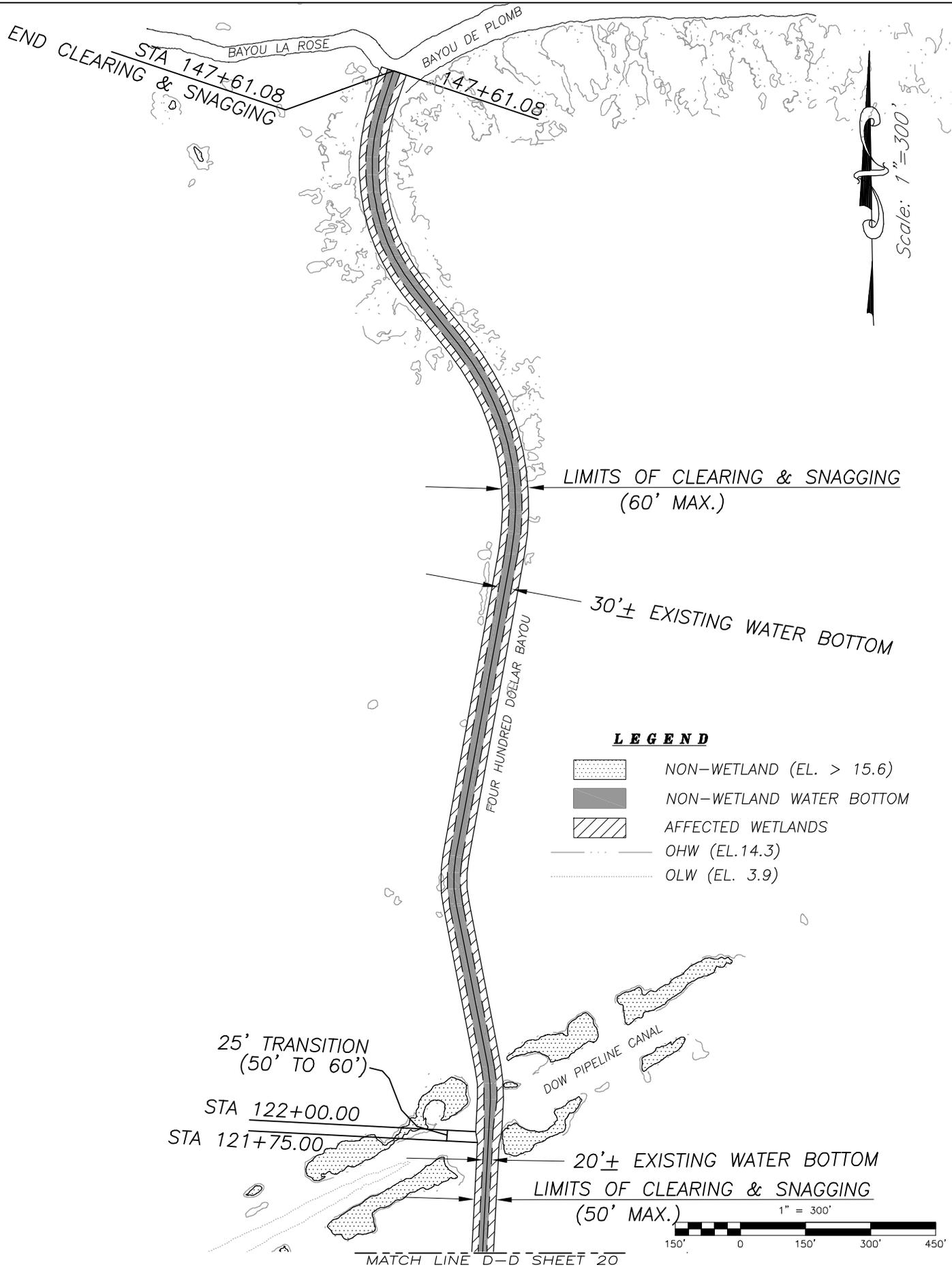
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**BEAU BAYOU SWAMP
HYDROLOGIC RESTORATION**

ELEMENT 4 - PLAN VIEW

| | |
|-----------------|-------------------------------|
| CLIENT | ST. MARTIN PARISH GOVERNMENT |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. |
| LOCATION | ST. MARTIN PARISH, LOUISIANA |

SHEET
20
OF
44



Scale: 1" = 300'

LEGEND

-  NON-WETLAND (EL. > 15.6)
-  NON-WETLAND WATER BOTTOM
-  AFFECTED WETLANDS
-  OHW (EL. 14.3)
-  OLW (EL. 3.9)

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| | |
|-----------------|-------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | J. FABRE |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-07 |
| FILE NO. | OVERALL.DWG |



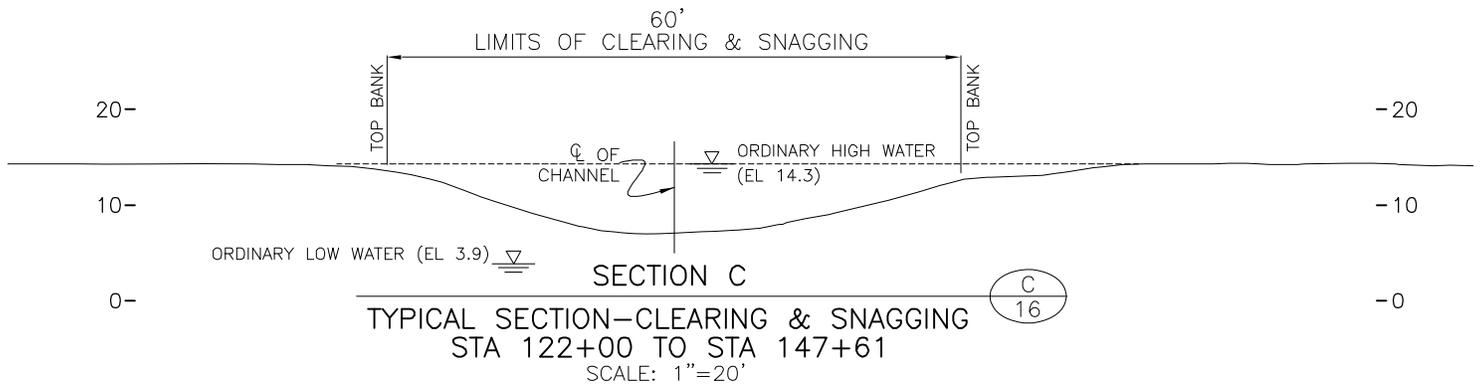
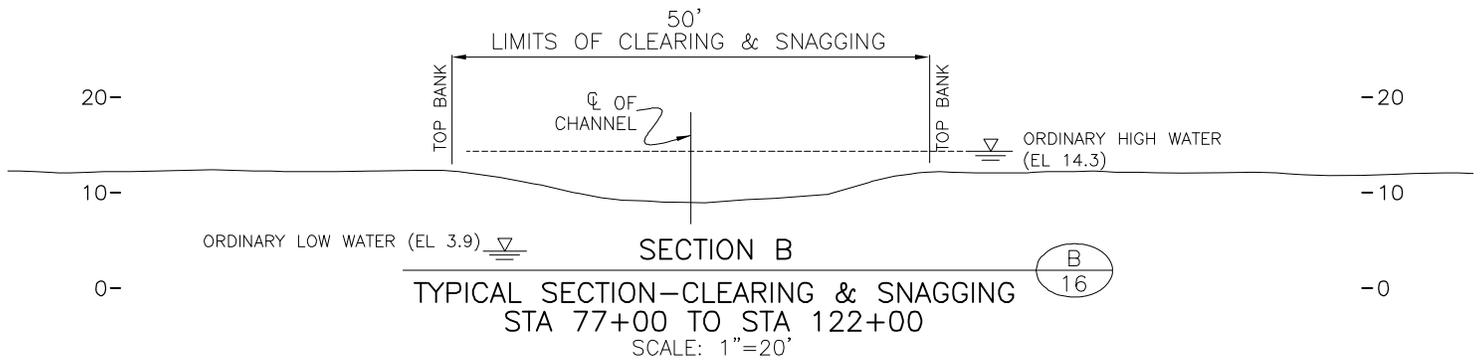
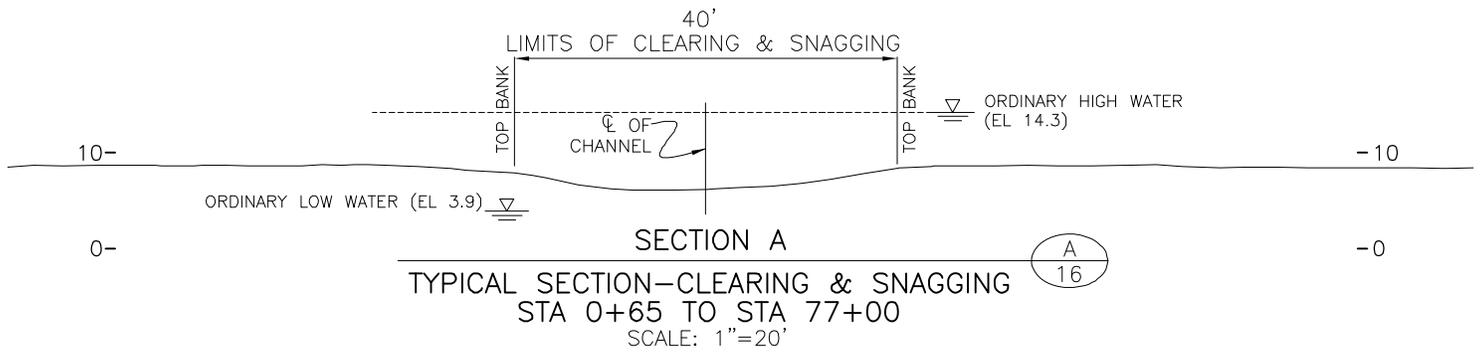
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ENGINEERS SURVEYORS
148-B Easy Street, Lafayette, LA 70506 (337) 232-0777

**BEAU BAYOU SWAMP
HYDROLOGIC RESTORATION**

ELEMENT 4 - PLAN VIEW

| | |
|-----------------|-------------------------------|
| CLIENT | ST. MARTIN PARISH GOVERNMENT |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. |
| LOCATION | ST. MARTIN PARISH, LOUISIANA |

SHEET
21
OF
44



LEGEND

- SECTION TITLE
- SHEET NO. SHOWING PLAN VIEW
- EXCAVATED MATERIAL BERM
- EXCAVATION

| PROJECT FEATURES | QUANTITY |
|--------------------------------|----------|
| CLEARING & SNAGGING (LIN. FT.) | 14,696 |

| | |
|----------|-------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | N. SONNIER |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-05 |
| FILE NO. | 8004-05\CAD |



**BEAU BAYOU SWAMP
HYDROLOGIC RESTORATION**

ELEMENT 4 — TYPICAL SECTIONS

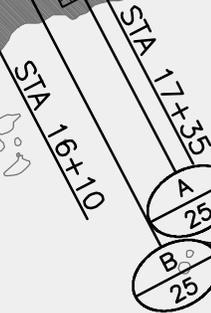
| | | | |
|----------|-------------------------------|-------|----|
| CLIENT | ST. MARTIN PARISH GOVERNMENT | SHEET | 22 |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. | OF | 44 |
| LOCATION | ST. MARTIN PARISH, LOUISIANA | | |

REQ'D CLEARING & SNAGGING
& EXCAVATION
(STA 16+10 TO STA 17+35)

LITTLE BAYOU DE PLOMB

CLEARING & SPOIL
DISPOSAL AREAS
(50' WIDE TYP.)

DOW PIPELINE CANAL



| ELEMENT # | SCOPE | BEGINNING STATION | END STATION | LENGTH | BOTTOM WIDTH | TOP WIDTH |
|-----------|-----------------------|-------------------|-------------|--------|--------------|-------------------|
| 5 | CLEARING & EXCAVATION | 16+10 | 17+35 | 125' | 40' | VARIES (70'-121') |

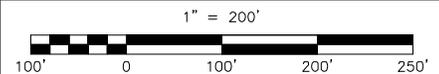
NOTES:

1. THE CONTRACTOR SHALL CLEAR & SNAG ALL VEGETATIVE MATERIAL & DEBRIS WITHIN THE LIMITS SHOWN. ALL VEGETATIVE MATERIAL & DEBRIS SHALL BE CLEARED, GRUBBED, PILED AND BURIED WITHIN THE CLEARING & SPOIL DISPOSAL AREAS.
2. MATERIAL EXCAVATED FROM ELEMENT 5 SHALL BE PLACED WITHIN THE CLEARING & SPOIL DISPOSAL AREAS SHOWN ON THIS SHEET, OR HAULED TO THE ATCHAFALAYA RIVER AND DISPOSED OF AS DIRECTED BY THE ENGINEER.
3. THE CONTRACTOR SHALL CLEAR AND EXCAVATE ACCORDING TO THE TYPICAL SECTION SHOWN. THE EXCAVATION WILL RESULT IN REMOVING AN EARTHEN PLUG WITHIN THE EXISTING CHANNEL AT APPROXIMATELY STA 16+50. IF THE PROPOSED TYPICAL SECTION WOULD RESULT IN EXCAVATION AND/OR CLEARING OUTSIDE OF THE ADJACENT CHANNEL TOP BANK, THE CONTRACTOR SHALL FIRST SHIFT THE CENTERLINE OF THE TEMPLATE, OR SECOND DECREASE THE BOTTOM WIDTH TO REMAIN WITHIN THE TOP BANK OF THE ADJACENT CHANNEL.
4. PROPOSED WORK WILL INCLUDE EXCAVATION OVER THE EXISTING DOW PIPELINE. EXTREME CAUTION SHALL BE EXERCISED TO INSURE NO DAMAGE TO THE PIPELINE. THE PIPELINE SHALL NOT BE DISTURBED.

CLEARING & SPOIL DISPOSAL AREAS
 UPLANDS (EL. > 15.6)

LEGEND

SECTION TITLE
 SHEET NO. SHOWING SECTION



| | |
|----------|---------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | J. FABRE |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-07 |
| FILE NO. | SEE LEFT SIDE |

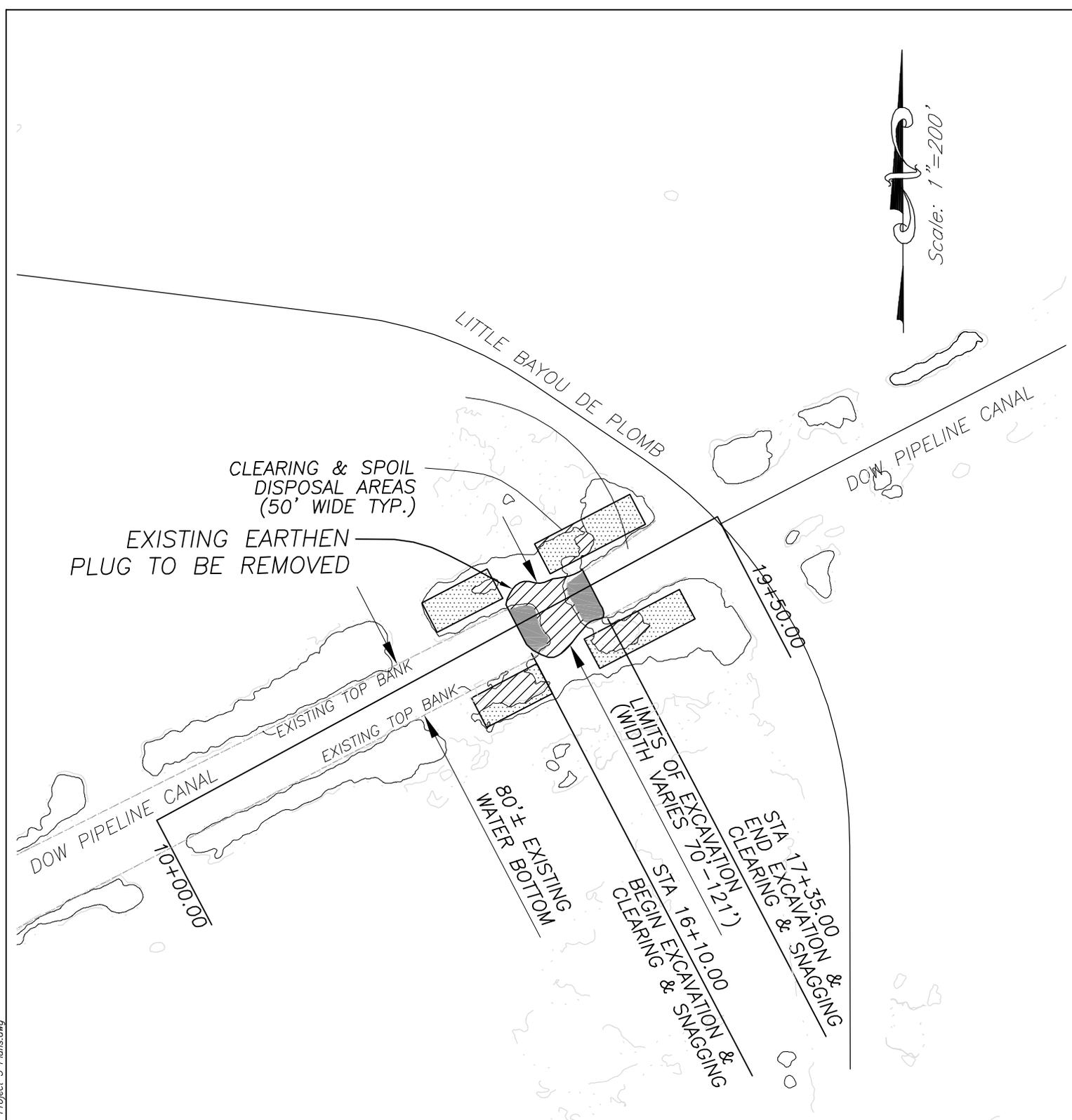
Sellers & Associates, Inc.
ENGINEERS SURVEYORS
148-B Esy Street, Lafayette, LA 70508 (337) 232-0777

**BEAU BAYOU SWAMP
HYDROLOGIC RESTORATION**

| | | | |
|----------|-------------------------------|-------|----|
| CLIENT | ST. MARTIN PARISH GOVERNMENT | SHEET | 23 |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. | OF | |
| LOCATION | ST. MARTIN PARISH, LOUISIANA | | 44 |

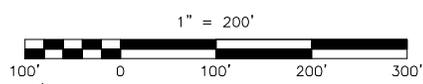
ELEMENT 5 - OVERALL PLAN VIEW

Scale: 1"=200'



LEGEND

- NON-WETLAND (EL. > 15.6)
- NON-WETLAND WATER BOTTOM
- AFFECTED WETLANDS
- OHW (EL. 14.3)
- OLW (EL. 3.9)



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| | |
|-----------------|-------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | J. FABRE |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-07 |
| FILE NO. | OVERALL.DWG |

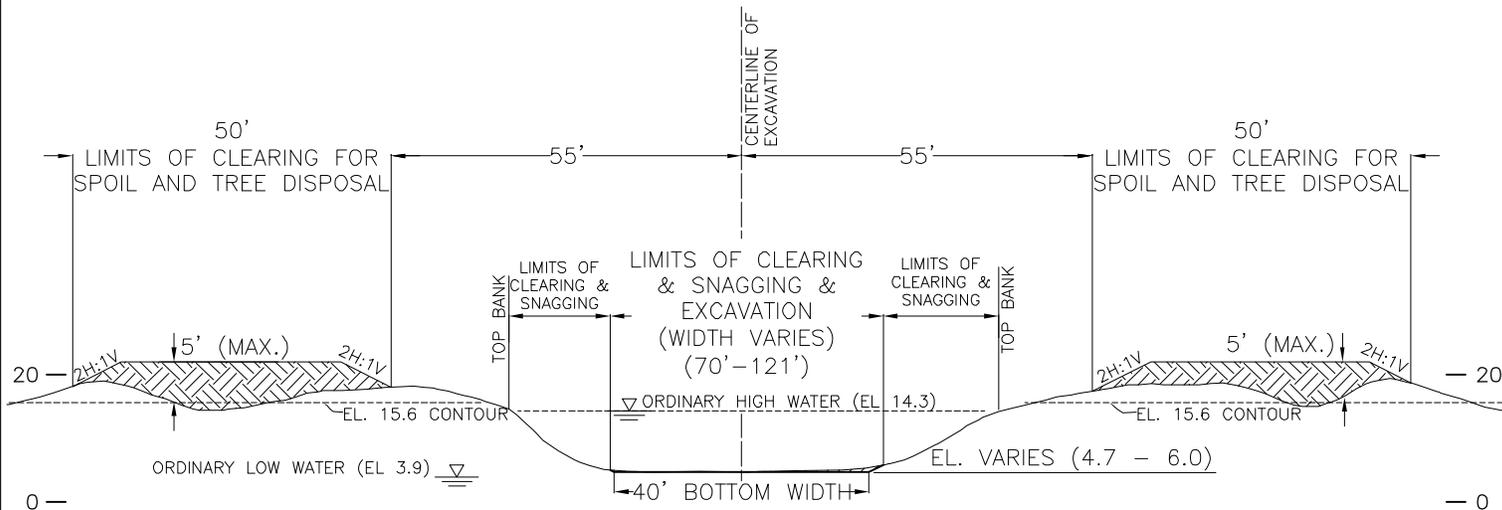
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**BEAU BAYOU SWAMP
 HYDROLOGIC RESTORATION**

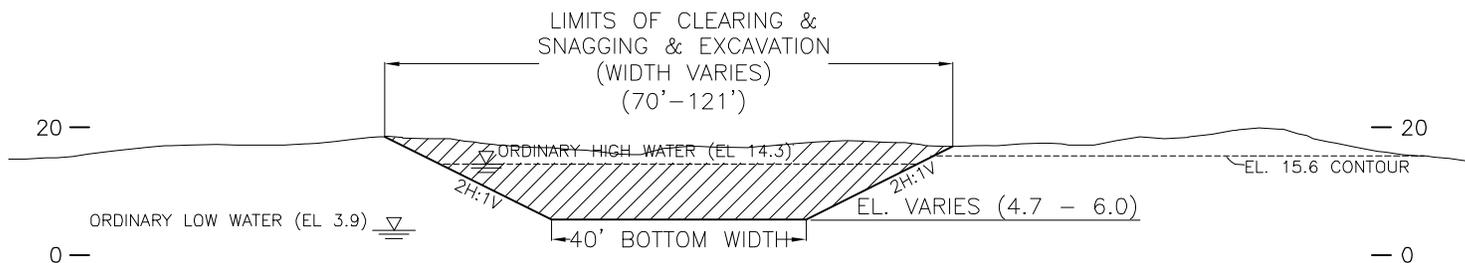
ELEMENT 5 — PLAN VIEW

| | |
|-----------------|-------------------------------|
| CLIENT | ST. MARTIN PARISH GOVERNMENT |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. |
| LOCATION | ST. MARTIN PARISH, LOUISIANA |

SHEET
24
OF
44



SECTION A
 TYPICAL SECTION—CLEARING & SNAGGING & EXCAVATION W/ DISPOSAL AREA A
23
 STA 15+00 TO STA 18+50
 STA 15+00 TO STA 16+10 (NO EXCAVATION)
 STA 17+35 TO STA 18+50 (NO EXCAVATION)
 SCALE: 1"=30'



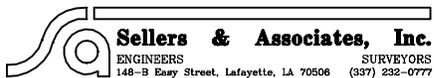
SECTION B
 TYPICAL SECTION—CLEARING & SNAGGING & EXCAVATION B
23
 STA 16+10 TO STA 16+90
 SCALE: 1"=30'

LEGEND

- C SECTION TITLE
- 13 SHEET NO. SHOWING PLAN VIEW
- EXCAVATED MATERIAL BERM
- EXCAVATION

| PROJECT FEATURES | QUANTITY |
|--------------------------------|----------|
| EXCAVATION (CU. YDS.) | 2,715 |
| CLEARING & SNAGGING (LIN. FT.) | 125 |
| CLEARING (ACRES) | 0.7 |

| | |
|----------|-------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | N. SONNIER |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-05 |
| FILE NO. | 8004-05\CAD |

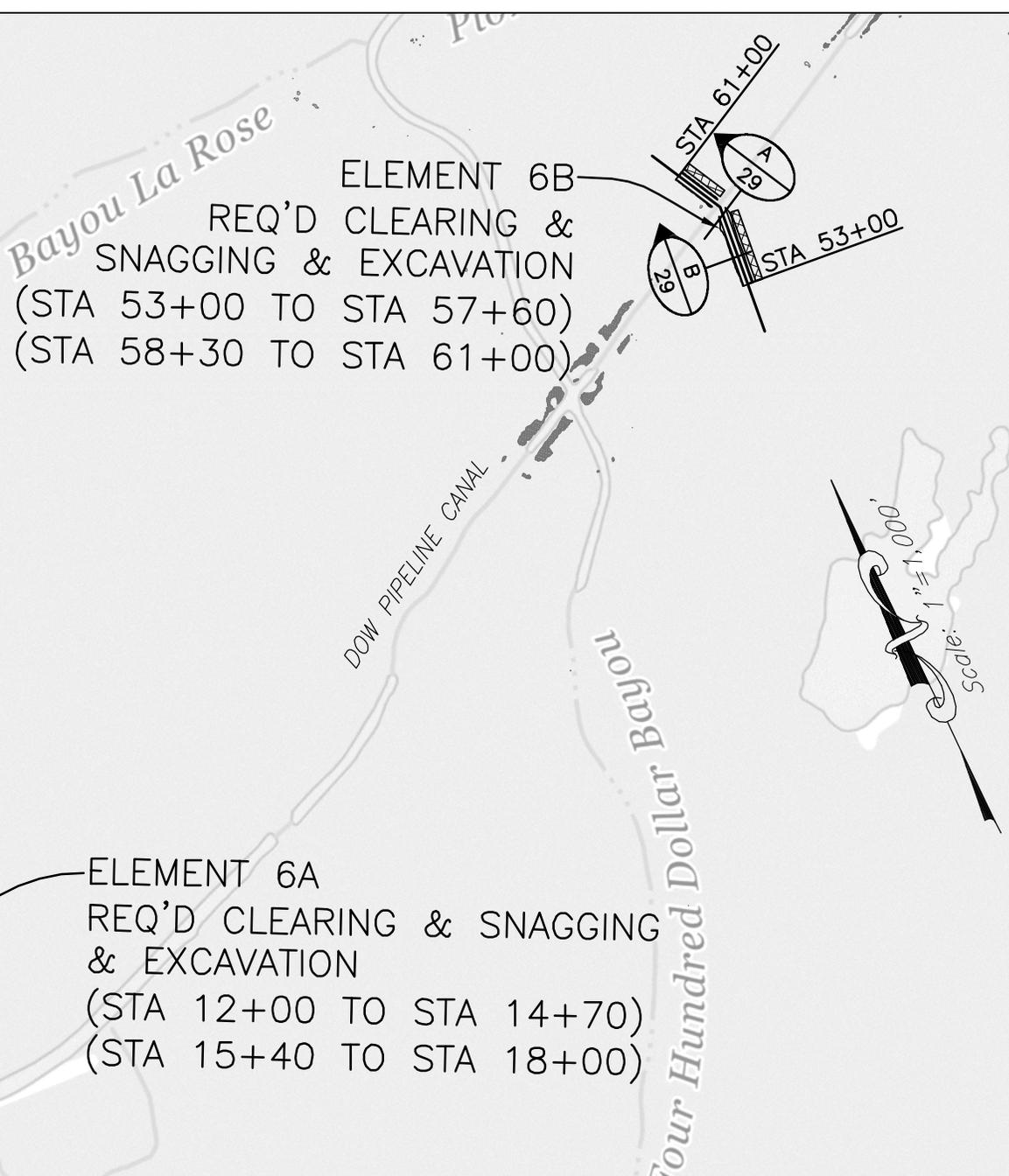


**BEAU BAYOU SWAMP
 HYDROLOGIC RESTORATION**

ELEMENT 5 — TYPICAL SECTIONS

| | |
|----------|-------------------------------|
| CLIENT | ST. MARTIN PARISH GOVERNMENT |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. |
| LOCATION | ST. MARTIN PARISH, LOUISIANA |

SHEET
25
OF
44



ELEMENT 6B
 REQ'D CLEARING &
 SNAGGING & EXCAVATION
 (STA 53+00 TO STA 57+60)
 (STA 58+30 TO STA 61+00)

ELEMENT 6A
 REQ'D CLEARING & SNAGGING
 & EXCAVATION
 (STA 12+00 TO STA 14+70)
 (STA 15+40 TO STA 18+00)



| ELEMENT # | SCOPE | BEGINNING STATION | END STATION | LENGTH | BOTTOM WIDTH | TOP WIDTH |
|-----------|-----------------------|-------------------|-------------|--------|--------------|------------------|
| 6A | CLEARING & EXCAVATION | 12+00 | 18+00 | 530' | 50' | VARIES (50'-70') |
| 6B | CLEARING & EXCAVATION | 53+00 | 61+00 | 730' | 50' | VARIES (50'-75') |

NOTES:

1. THE CONTRACTOR SHALL CLEAR & SNAG ALL VEGETATIVE MATERIAL & DEBRIS WITHIN THE LIMITS SHOWN. ALL VEGETATIVE MATERIAL & DEBRIS SHALL BE CLEARED, GRUBBED, PILED AND BURIED WITHIN THE CLEARING & SPOIL DISPOSAL AREAS.
2. MATERIAL EXCAVATED FROM ELEMENT 6 SHALL BE PLACED IN THE CLEARING & SPOIL DISPOSAL AREAS SHOWN OR HAULED TO THE ATCHAFALAYA RIVER AND DISPOSED OF AS DIRECTED BY THE ENGINEER.
3. THE CONTRACTOR SHALL CLEAR AND EXCAVATE ACCORDING TO THE TYPICAL SECTION AND ALIGNMENTS SHOWN. THE WORK WILL INVOLVE EXCAVATING THROUGH AN EXISTING SPOIL BANK AND VIRGIN CUT THROUGH THE SWAMP.
4. PROPOSED WORK WILL INCLUDE OPERATING OVER THE EXISTING DOW PIPELINE. EXTREME CAUTION SHALL BE EXERCISED TO INSURE NO DAMAGE TO THE PIPELINE. THE PIPELINE SHALL NOT BE DISTURBED.

| | | | | | |
|--|---------------------------------|---------------|--|---------------------------|-------------|
| | CLEARING & SPOIL DISPOSAL AREAS | LEGEND | | SECTION TITLE | 1" = 1,000' |
| | UPLANDS (EL. > 15.6) | | | SHEET NO. SHOWING SECTION | |

| | |
|----------|---------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | J. FABRE |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-07 |
| FILE NO. | SEE LEFT SIDE |

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**BEAU BAYOU SWAMP
 HYDROLOGIC RESTORATION**

ELEMENT 6 - OVERALL PLAN VIEW

| | | | |
|----------|-------------------------------|-------|----|
| CLIENT | ST. MARTIN PARISH GOVERNMENT | SHEET | 26 |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. | OF | |
| LOCATION | ST. MARTIN PARISH, LOUISIANA | | 44 |

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STA 18+00.00

END EXCAVATION &
CLEARING & SNAGGING

LIMITS OF CLEARING & SNAGGING &
EXCAVATION (WIDTH VARIES 50'-70')

10' BERM (MIN.)

CLEARING AND SOIL DISPOSAL AREA
(260' X 30')

STA 15+40.00
END NO WORK ZONE

EXISTING TOP BANK

☐ DOW PIPELINE CANAL
STA 14+70.00

EXISTING TOP BANK

BEGIN NO WORK ZONE

LIMITS OF CLEARING & SNAGGING &
EXCAVATION (WIDTH VARIES 50'-70')

CLEARING AND SOIL DISPOSAL AREA
(270' X 30')

10' BERM (MIN.)

STA 12+00.00
BEGIN EXCAVATION &
CLEARING & SNAGGING

LEGEND



NON-WETLAND (EL. > 15.6)



NON-WETLAND WATER BOTTOM



AFFECTED WETLANDS



OHW (EL. 14.3)



OLW (EL. 3.9)

1" = 100'



| | |
|----------|-------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | J. FABRE |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-07 |
| FILE NO. | OVERALL.DWG |



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148-B Easy Street, Lafayette, LA 70506 (937) 232-0777

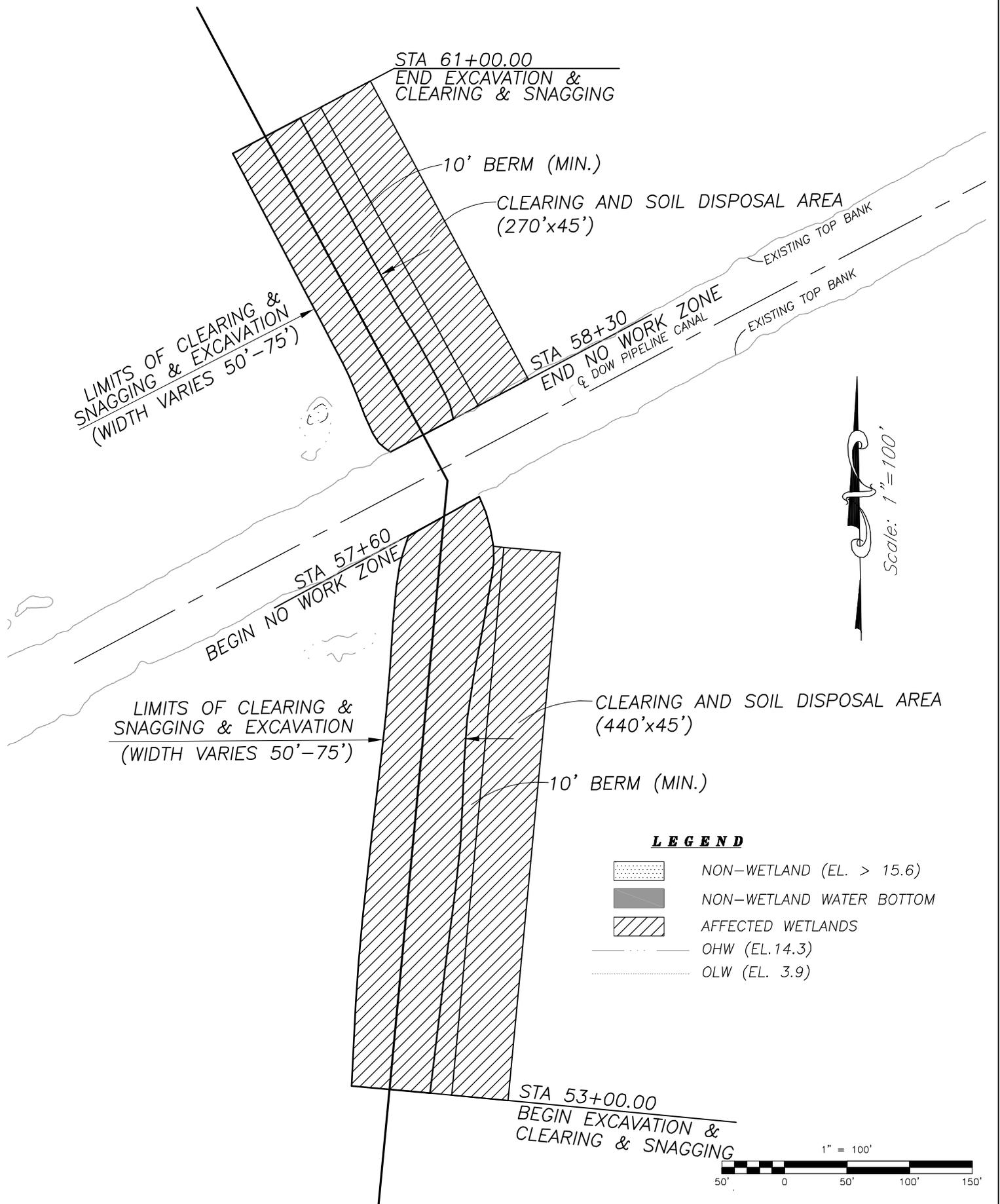
**BEAU BAYOU SWAMP
HYDROLOGIC RESTORATION**

ELEMENT 6A - PLAN VIEW

| | |
|----------|-------------------------------|
| CLIENT | ST. MARTIN PARISH GOVERNMENT |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. |
| LOCATION | ST. MARTIN PARISH, LOUISIANA |

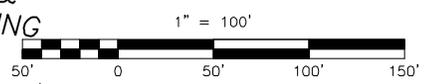
SHEET
27
OF
44

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LEGEND

-  NON-WETLAND (EL. > 15.6)
-  NON-WETLAND WATER BOTTOM
-  AFFECTED WETLANDS
-  OHW (EL. 14.3)
-  OLW (EL. 3.9)



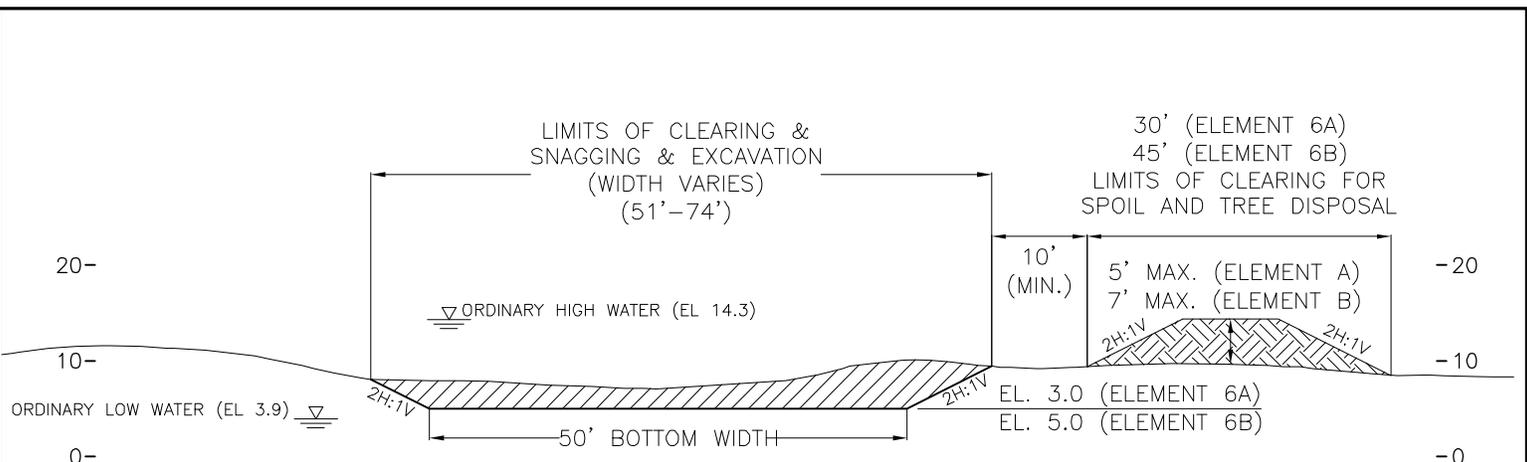
| | |
|----------|-------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | J. FABRE |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-07 |
| FILE NO. | OVERALL.DWG |



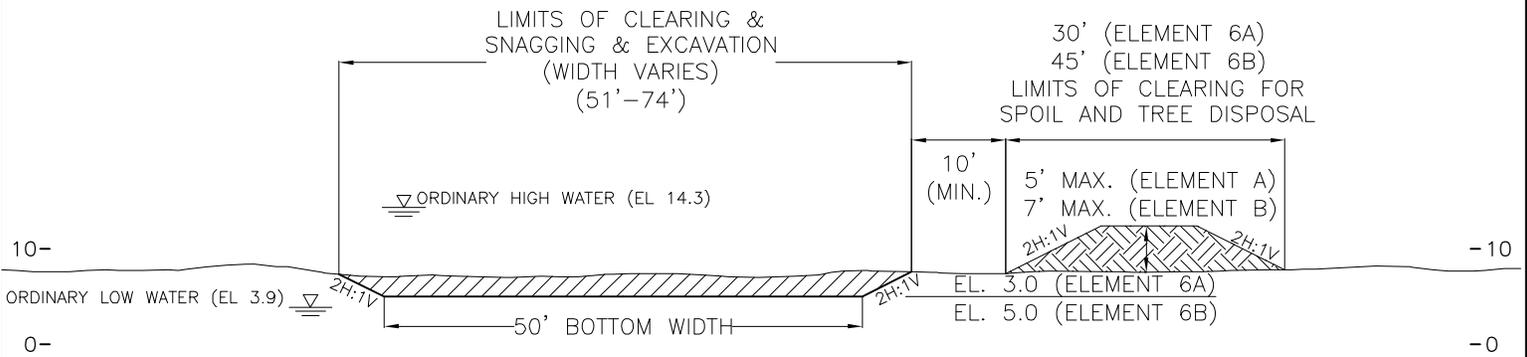
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**BEAU BAYOU SWAMP
 HYDROLOGIC RESTORATION**
 ELEMENT 6B - PLAN VIEW

| | |
|----------|-------------------------------|
| CLIENT | ST. MARTIN PARISH GOVERNMENT |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. |
| LOCATION | ST. MARTIN PARISH, LOUISIANA |



SECTION A - TYPICAL THROUGH EXISTING BANK (A/26)
 TYPICAL SECTION-CLEARING & SNAGGING & EXCAVATION
 STA 12+00 TO STA 18+00 (ELEMENT 6A)
 STA 53+00 TO STA 61+00 (ELEMENT 6B)
 SCALE: 1"=20'



SECTION B - TYPICAL THROUGH EXISTING SWAMP (B/26)
 TYPICAL SECTION-CLEARING & SNAGGING & EXCAVATION
 STA 12+00 TO STA 18+00 (ELEMENT 6A)
 STA 53+00 TO STA 61+00 (ELEMENT 6B)
 SCALE: 1"=20'

LEGEND

- SECTION TITLE
- SHEET NO. SHOWING PLAN VIEW
- EXCAVATED MATERIAL BERM
- EXCAVATION

| PROJECT FEATURES | QUANTITY |
|--------------------------------|----------|
| EXCAVATION (CU. YDS.) | 6,029 |
| CLEARING & SNAGGING (LIN. FT.) | 1,290 |
| CLEARING (ACRES) | 1.4 |

| | |
|----------|-------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | N. SONNIER |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-05 |
| FILE NO. | 8004-05\CAD |

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**BEAU BAYOU SWAMP
 HYDROLOGIC RESTORATION**

ELEMENT 6 - TYPICAL SECTIONS

| | |
|----------|-------------------------------|
| CLIENT | ST. MARTIN PARISH GOVERNMENT |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. |
| LOCATION | ST. MARTIN PARISH, LOUISIANA |

SHEET 29 OF 44

Bayou Darby

REQ'D CLEARING & SNAGGING
& EXCAVATION
(STA 10+95 TO STA 20+50)

Scale: 1"=500'

LITTLE GONSOULIN BAYOU

STA 20+50
STA 10+95
LAKE FAUSSE POINTE CUT

CLEARING & SPOIL
DISPOSAL AREAS
(400'x30' TYP.)

| ELEMENT # | SCOPE | BEGINNING STATION | END STATION | LENGTH | BOTTOM WIDTH | TOP WIDTH |
|-----------|-----------------------|-------------------|-------------|--------|--------------|------------------|
| 7 | CLEARING & EXCAVATION | 10+95 | 20+50 | 955' | 30' | VARIES (30'-45') |

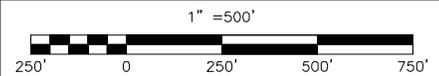
- NOTES:
1. THE CONTRACTOR SHALL CLEAR & SNAG ALL VEGETATIVE MATERIAL & DEBRIS WITHIN THE LIMITS SHOWN. ALL VEGETATIVE MATERIAL & DEBRIS SHALL BE CLEARED, GRUBBED, PILED AND BURIED WITHIN THE CLEARING & SPOIL DISPOSAL AREAS.
 2. MATERIAL EXCAVATED FROM ELEMENT 7 SHALL BE PLACED IN THE CLEARING & SPOIL DISPOSAL AREAS SHOWN OR HAULED TO THE ATCHAFALAYA RIVER AND DISPOSED OF AS DIRECTED BY THE ENGINEER.
 3. THE CONTRACTOR SHALL CLEAR AND EXCAVATE ACCORDING TO THE TYPICAL SECTION AND ALIGNMENT SHOWN. THE WORK WILL INVOLVE ENLARGING AN EXISTING SLOUGH AND VIRGIN CUT THROUGH THE SWAMP.

 CLEARING & SPOIL DISPOSAL AREAS
 UPLANDS (EL. > 15.6)

LEGEND

 SECTION TITLE

 SHEET NO. SHOWING SECTION



| | |
|----------|---------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | J. FABRE |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-07 |
| FILE NO. | SEE LEFT SIDE |



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ENGINEERS SURVEYORS
148-B Bay Street, Lafayette, LA 70508 (337) 232-0777

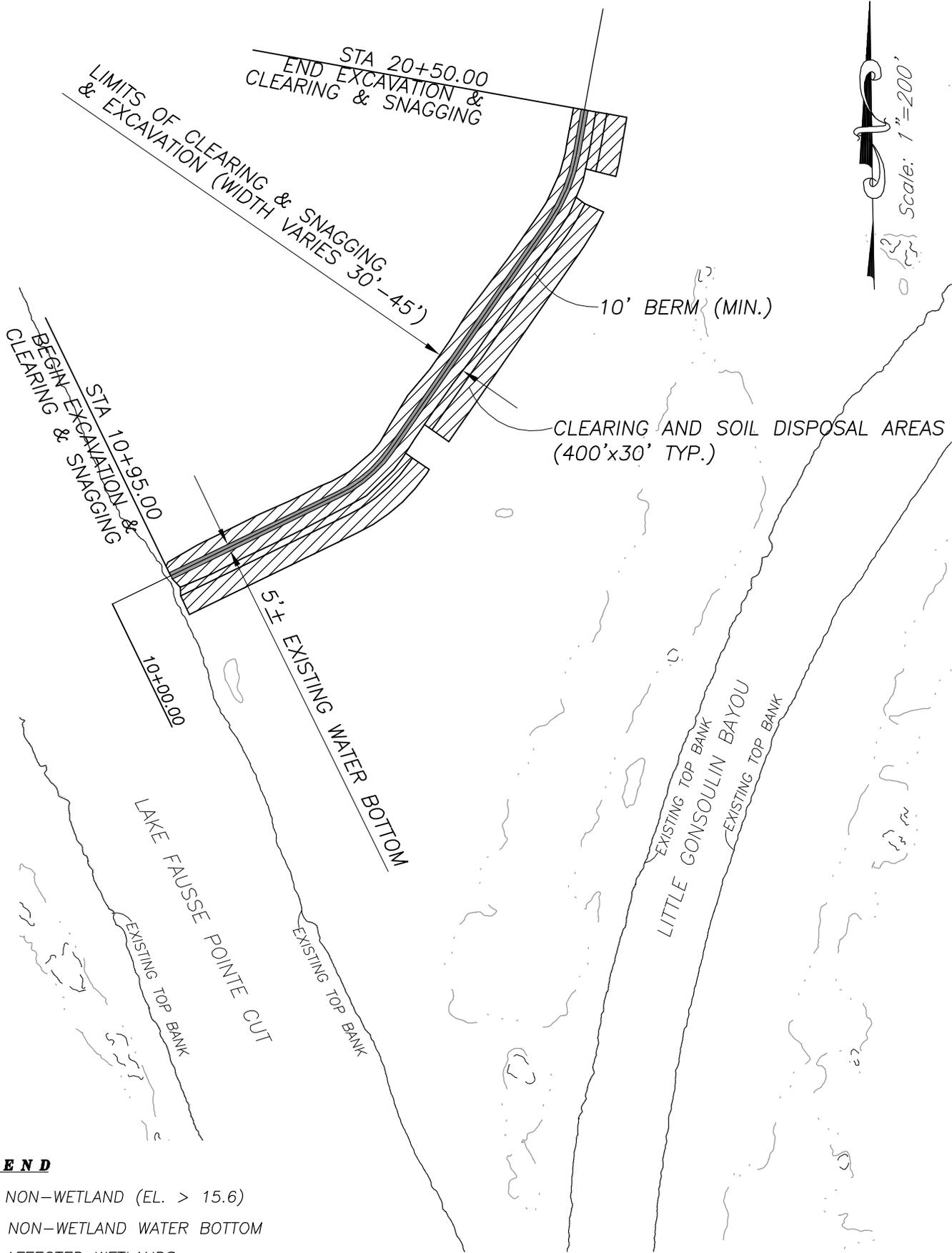
**BEAU BAYOU SWAMP
HYDROLOGIC RESTORATION**

ELEMENT 7 - OVERALL PLAN VIEW

| | | | |
|----------|-------------------------------|-------|----|
| CLIENT | ST. MARTIN PARISH GOVERNMENT | SHEET | 30 |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. | OF | |
| LOCATION | ST. MARTIN PARISH, LOUISIANA | | 44 |

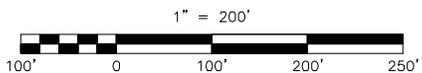
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LEGEND

- NON-WETLAND (EL. > 15.6)
- NON-WETLAND WATER BOTTOM
- AFFECTED WETLANDS
- OHW (EL. 14.3)
- OLW (EL. 3.9)



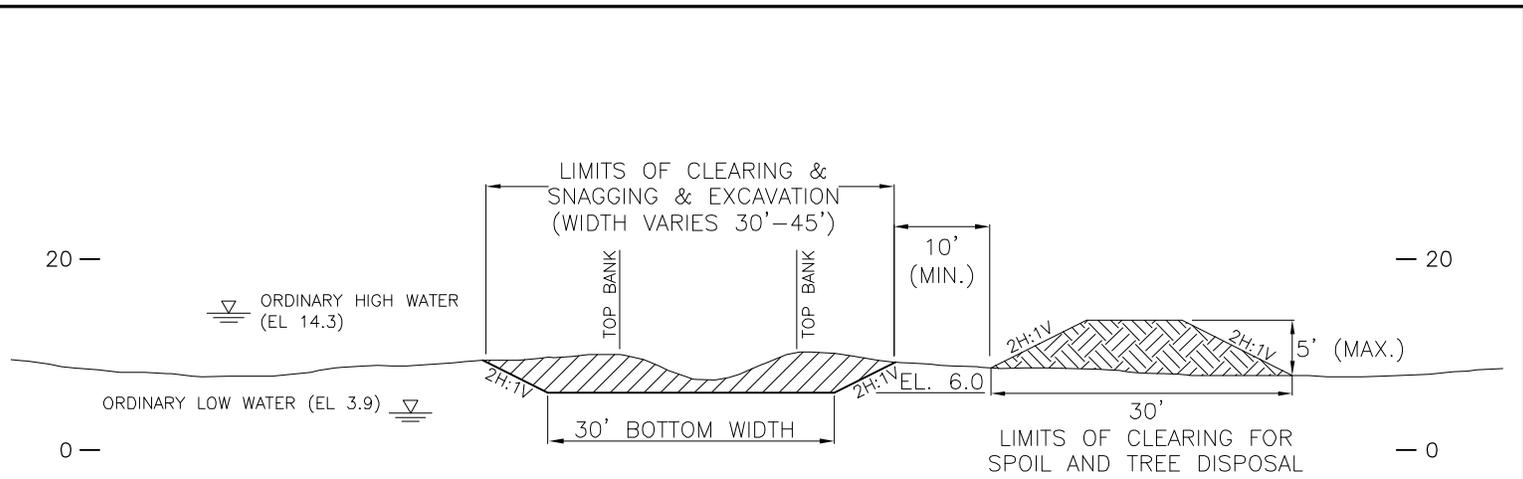
| | |
|-----------------|-------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | J. FABRE |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-07 |
| FILE NO. | OVERALL.DWG |

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**BEAU BAYOU SWAMP
 HYDROLOGIC RESTORATION**

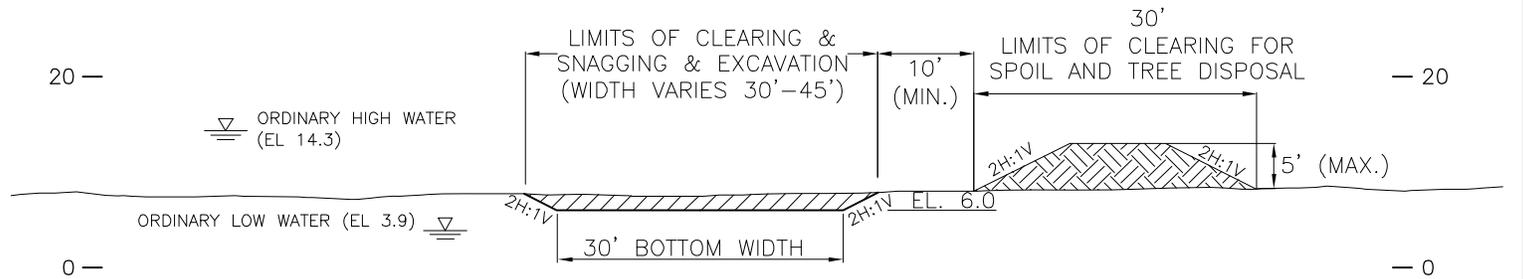
ELEMENT 7 — PLAN VIEW

| | |
|-----------------|-------------------------------|
| CLIENT | ST. MARTIN PARISH GOVERNMENT |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. |
| LOCATION | ST. MARTIN PARISH, LOUISIANA |



SECTION A – SECTION THROUGH EXISTING CUT
 TYPICAL SECTION—CLEARING & SNAGGING & EXCAVATION
 STA 10+95 TO STA 20+50
 SCALE: 1"=20'

A
30



SECTION B
 TYPICAL SECTION—CLEARING & SNAGGING & EXCAVATION
 STA 10+95 TO STA 20+50
 SCALE: 1"=20'

B
30

LEGEND

-  SECTION TITLE
-  SHEET NO. SHOWING PLAN VIEW
-  EXCAVATED MATERIAL BERM
-  EXCAVATION

| PROJECT FEATURES | QUANTITY |
|--------------------------------|----------|
| EXCAVATION (CU. YDS.) | 2,510 |
| CLEARING & SNAGGING (LIN. FT.) | 955 |
| CLEARING (ACRES) | 0.8 |

| | |
|----------|-------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | N. SONNIER |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-05 |
| FILE NO. | 8004-05\CAD |



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**BEAU BAYOU SWAMP
 HYDROLOGIC RESTORATION**

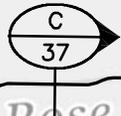
ELEMENT 7 – TYPICAL SECTIONS

| | | | |
|----------|-------------------------------|-------|----|
| CLIENT | ST. MARTIN PARISH GOVERNMENT | SHEET | 32 |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. | OF | 44 |
| LOCATION | ST. MARTIN PARISH, LOUISIANA | | |

REQ'D CLEARING & SNAGGING
(STA 10+50 TO STA 78+00)



BEAU BAYOU
STA 10+50



Bayou La Rose

STA 78+00

Bay De Plomb

Four Hundred Dollar Bayou

| ELEMENT # | SCOPE | BEGINNING STATION | END STATION | LENGTH | BOTTOM WIDTH | TOP WIDTH |
|-----------|---------------------|-------------------|-------------|--------|--------------|-----------|
| 8 | CLEARING & SNAGGING | 10+50 | 78+00 | 6,750' | | 40' |

NOTES:

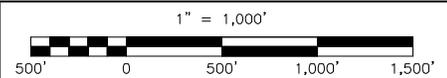
1. THE CONTRACTOR SHALL CLEAR & SNAG ALL VEGETATIVE MATERIAL & DEBRIS WITHIN THE LIMITS SHOWN. ALL VEGETATIVE MATERIAL & DEBRIS SHALL BE CHIPPED IN PLACE AS CLOSE TO THE GROUND AS THE CUTTING TOOLS PERMIT.

 CLEARING & SPOIL DISPOSAL AREAS
 UPLANDS (EL. > 15.6)

LEGEND



SECTION TITLE
SHEET NO. SHOWING SECTION



| | |
|----------|---------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | J. FABRE |
| DATE | APRIL 2016 |
| | AS SHOWN |
| PROJECT | 8004-07 |
| FILE NO. | SEE LEFT SIDE |



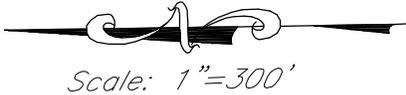
Sellers & Associates, Inc.
ENGINEERS SURVEYORS
148-B Esy Street, Lafayette, LA 70508 (337) 232-0777

**BEAU BAYOU SWAMP
HYDROLOGIC RESTORATION**

ELEMENT 8 - OVERALL PLAN VIEW

| | | | |
|----------|-------------------------------|-------|----|
| CLIENT | ST. MARTIN PARISH GOVERNMENT | SHEET | 33 |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. | OF | |
| LOCATION | ST. MARTIN PARISH, LOUISIANA | | 44 |

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LIMITS OF CLEARING & SNAGGING (40' MAX)

20'± EXISTING WATER BOTTOM

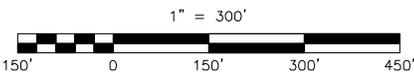
BAYOU LA ROSE

BEAU BAYOU

STA 10+50.00
BEGIN CLEARING
& SNAGGING
10+00.00

LEGEND

-  NON-WETLAND (EL. > 15.6)
-  NON-WETLAND WATER BOTTOM
-  AFFECTED WETLANDS
-  OHW (EL. 14.3)
-  OLW (EL. 3.9)



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| | |
|----------|-------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | J. FABRE |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-07 |
| FILE NO. | OVERALL.DWG |



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ENGINEERS SURVEYORS
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**BEAU BAYOU SWAMP
HYDROLOGIC RESTORATION**

ELEMENT 8 - PLAN VIEW

| | |
|----------|-------------------------------|
| CLIENT | ST. MARTIN PARISH GOVERNMENT |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. |
| LOCATION | ST. MARTIN PARISH, LOUISIANA |

SHEET
34
OF
44

MATCH LINE B-B SHEET 36

Scale: 1"=300'

LIMITS OF CLEARING & SNAGGING (40' MAX)

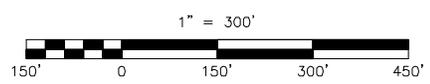
BAYOU LA ROSE

20'± EXISTING WATER BOTTOM

LEGEND

-  NON-WETLAND (EL. > 15.6)
-  NON-WETLAND WATER BOTTOM
-  AFFECTED WETLANDS
-  OHW (EL. 14.3)
-  OLW (EL. 3.9)

MATCH LINE A-A SHEET 34



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| | |
|----------|-------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | J. FABRE |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-07 |
| FILE NO. | OVERALL.DWG |



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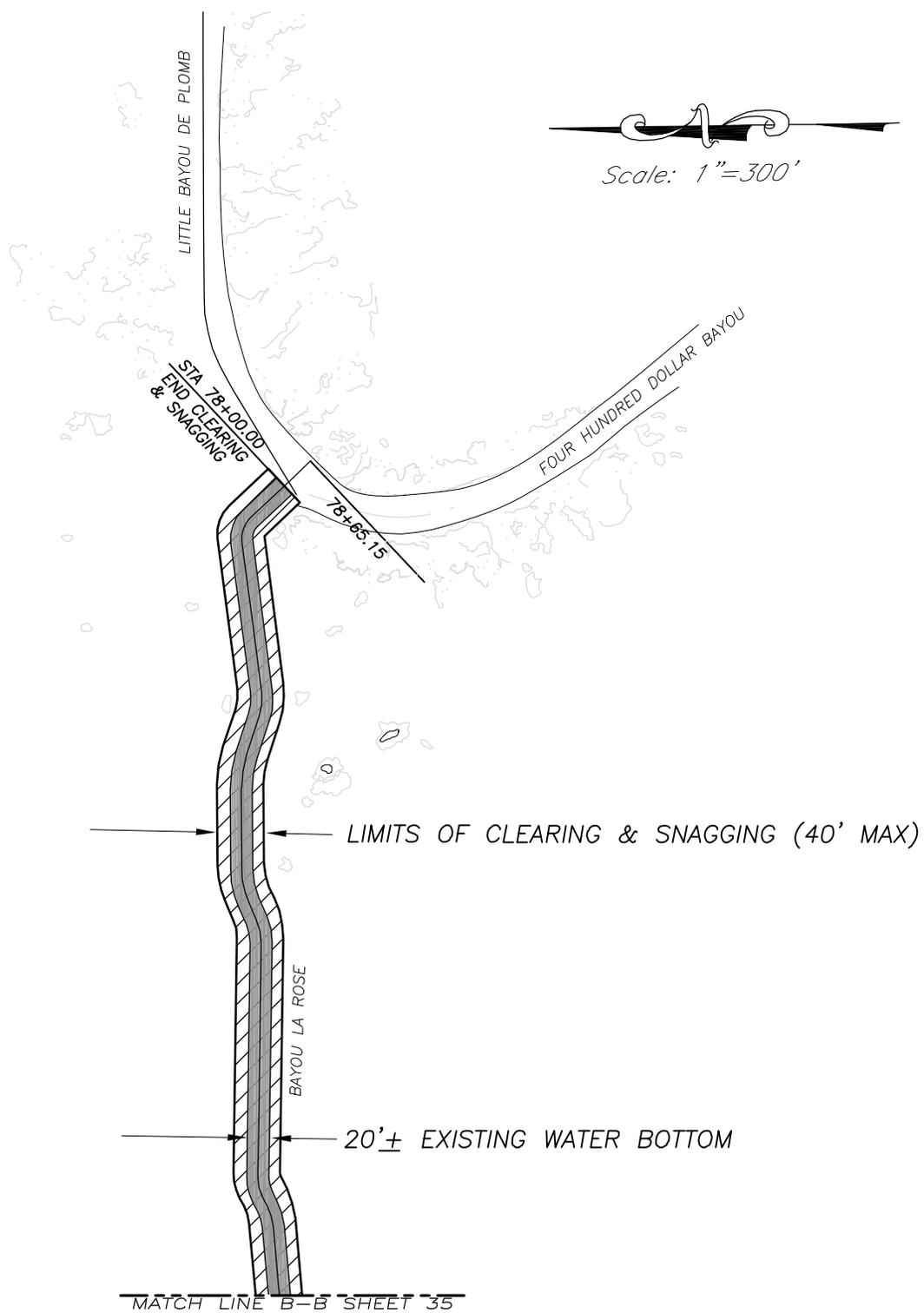
**BEAU BAYOU SWAMP
HYDROLOGIC RESTORATION**

ELEMENT 8 - PLAN VIEW

| | |
|----------|-------------------------------|
| CLIENT | ST. MARTIN PARISH GOVERNMENT |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. |
| LOCATION | ST. MARTIN PARISH, LOUISIANA |

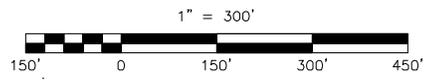
SHEET
35
OF
44

Scale: 1"=300'



LEGEND

-  NON-WETLAND (EL. > 15.6)
-  NON-WETLAND WATER BOTTOM
-  AFFECTED WETLANDS
-  OHW (EL. 14.3)
-  OLV (EL. 3.9)



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| | |
|----------|-------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | J. FABRE |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-07 |
| FILE NO. | OVERALL.DWG |



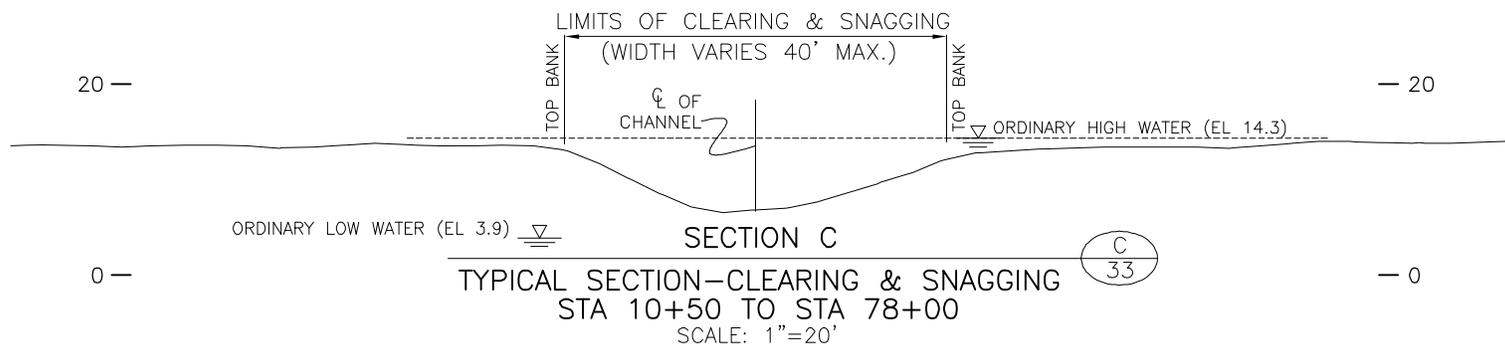
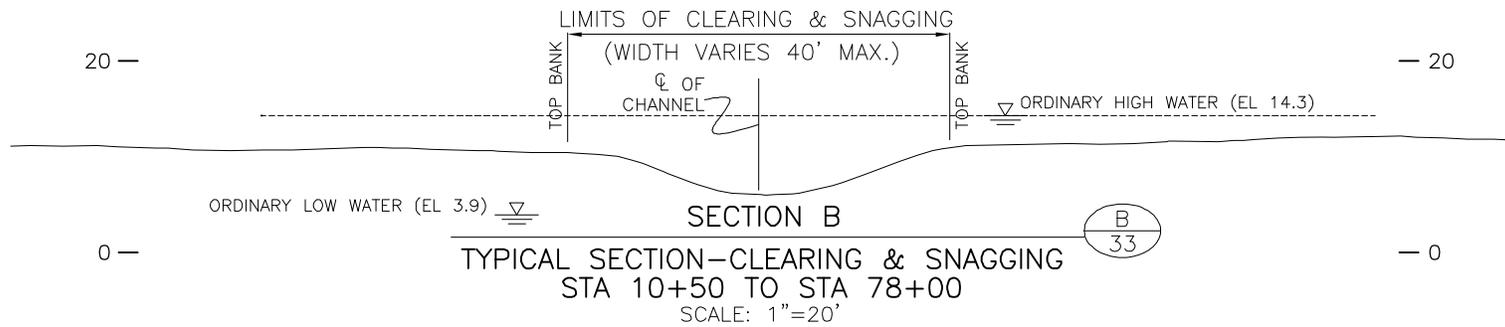
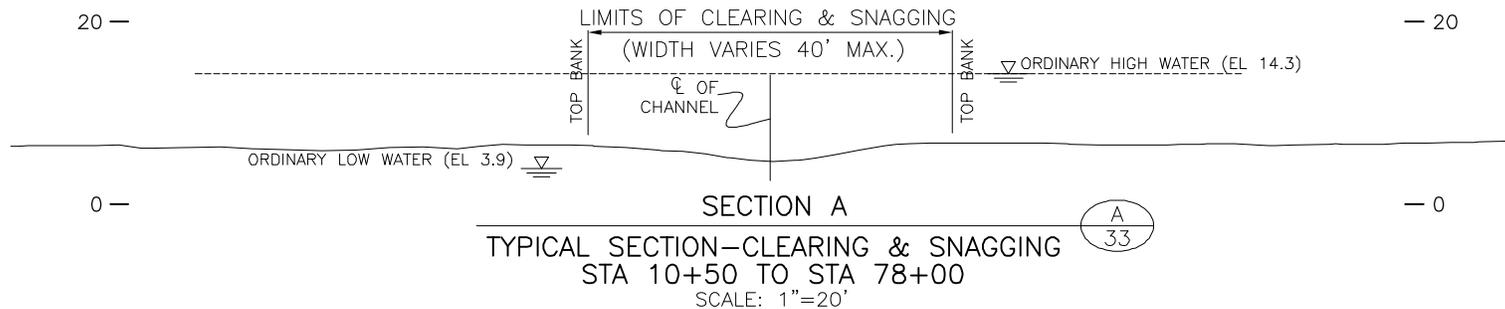
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**BEAU BAYOU SWAMP
HYDROLOGIC RESTORATION**

ELEMENT 8 - PLAN VIEW

| | |
|----------|-------------------------------|
| CLIENT | ST. MARTIN PARISH GOVERNMENT |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. |
| LOCATION | ST. MARTIN PARISH, LOUISIANA |

SHEET
36
OF
44



LEGEND

- SECTION TITLE
- SHEET NO. SHOWING PLAN VIEW
- EXCAVATED MATERIAL BERM
- EXCAVATION

| PROJECT FEATURES | QUANTITY |
|--------------------------------|----------|
| CLEARING & SNAGGING (LIN. FT.) | 6,750 |

| | |
|----------|-------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | N. SONNIER |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-05 |
| FILE NO. | 8004-05\CAD |

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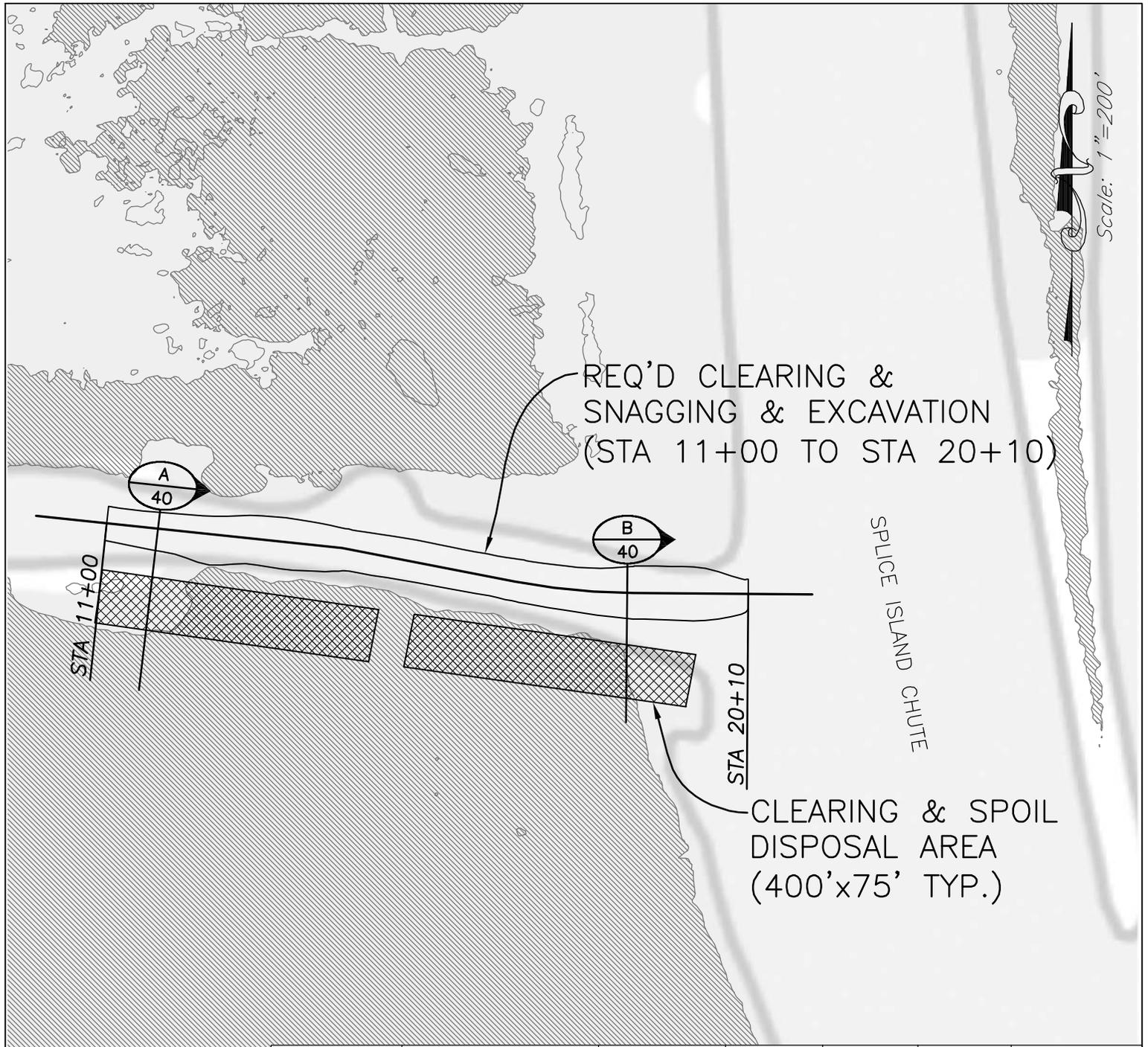
**BEAU BAYOU SWAMP
 HYDROLOGIC RESTORATION**

ELEMENT 8 - TYPICAL SECTIONS

| | |
|----------|-------------------------------|
| CLIENT | ST. MARTIN PARISH GOVERNMENT |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. |
| LOCATION | ST. MARTIN PARISH, LOUISIANA |

SHEET
 37
 OF
 44

Scale: 1" = 200'



| ELEMENT # | SCOPE | BEGINNING STATION | END STATION | LENGTH | BOTTOM WIDTH | TOP WIDTH |
|-----------|-----------------------|-------------------|-------------|--------|--------------|------------------|
| 9 | CLEARING & EXCAVATION | 11+00 | 20+10 | 910' | 40' | VARIES (40'-75') |

NOTES:

1. THE CONTRACTOR SHALL CLEAR & SNAG ALL VEGETATIVE MATERIAL & DEBRIS WITHIN THE LIMITS SHOWN. ALL VEGETATIVE MATERIAL & DEBRIS SHALL BE CLEARED, GRUBBED, PILED AND BURIED WITHIN THE CLEARING & SPOIL DISPOSAL AREAS.
2. MATERIAL EXCAVATED FROM ELEMENT 9 SHALL BE PLACED IN THE CLEARING & SPOIL DISPOSAL AREAS SHOWN OR HAULED TO THE ATCHAFALAYA RIVER AND DISPOSED OF AS DIRECTED BY THE ENGINEER.
3. THE CONTRACTOR SHALL CLEAR AND EXCAVATE ACCORDING TO THE TYPICAL SECTION AND ALIGNMENT SHOWN. IF THE PROPOSED TYPICAL SECTION WOULD RESULT IN EXCAVATION AND/OR CLEARING OUTSIDE OF THE EXISTING TOP BANK, THE CONTRACTOR SHALL FIRST SHIFT THE CENTERLINE OF THE TEMPLATE, OR SECOND DECREASE THE BOTTOM WIDTH TO REMAIN WITHIN THE EXISTING TOP BANK.

| | | | |
|---|---------------|--|--|
|  CLEARING & SPOIL DISPOSAL AREAS  UPLANDS (EL. > 15.6) | LEGEND |  SECTION TITLE  SHEET NO. SHOWING SECTION | 1" = 200'  |
|---|---------------|--|--|

ENGINEER: N. SONNIER
 DRAWN BY: J. FABRE
 DATE: APRIL 2016
 SCALE: AS SHOWN
 PROJECT: 8004-07
 FILE NO.: SEE LEFT SIDE



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**BEAU BAYOU SWAMP
 HYDROLOGIC RESTORATION**
 ELEMENT 9 - OVERALL PLAN VIEW

| | | | |
|----------|-------------------------------|-------|----|
| CLIENT | ST. MARTIN PARISH GOVERNMENT | SHEET | 38 |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. | OF | |
| LOCATION | ST. MARTIN PARISH, LOUISIANA | | 44 |

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BEGIN EXCAVATION & CLEARING & SNAGGING
Sta. 11+00

LIMITS OF CLEARING & SNAGGING
(WIDTH VARIES (75'-120'))

LIMITS OF EXCAVATION (WIDTH VARIES 40'-75')

END EXCAVATION & CLEARING & SNAGGING
STA 20+10

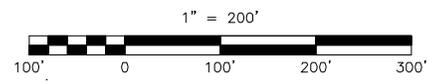
Scale: 1"=200'



CLEARING & SPOIL DISPOSAL AREA
(400'x75' TYP.)

LEGEND

- NON-WETLAND (EL. > 15.6)
- NON-WETLAND WATER BOTTOM
- AFFECTED WETLANDS
- OHW (EL. 14.3)
- OLW (EL. 3.9)



| | |
|----------|-------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | J. FABRE |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-07 |
| FILE NO. | OVERALL.DWG |

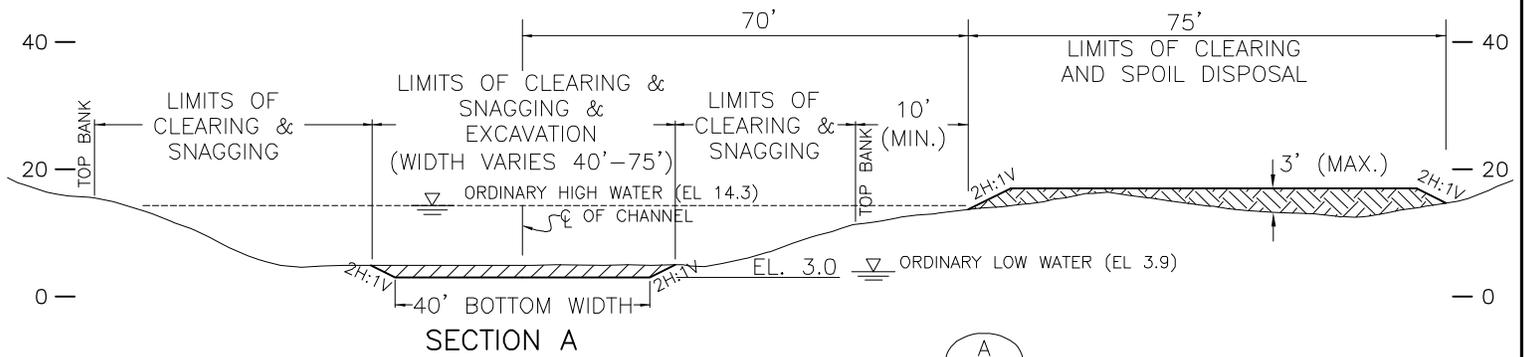
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**BEAU BAYOU SWAMP
HYDROLOGIC RESTORATION**

ELEMENT 9 - PLAN VIEW

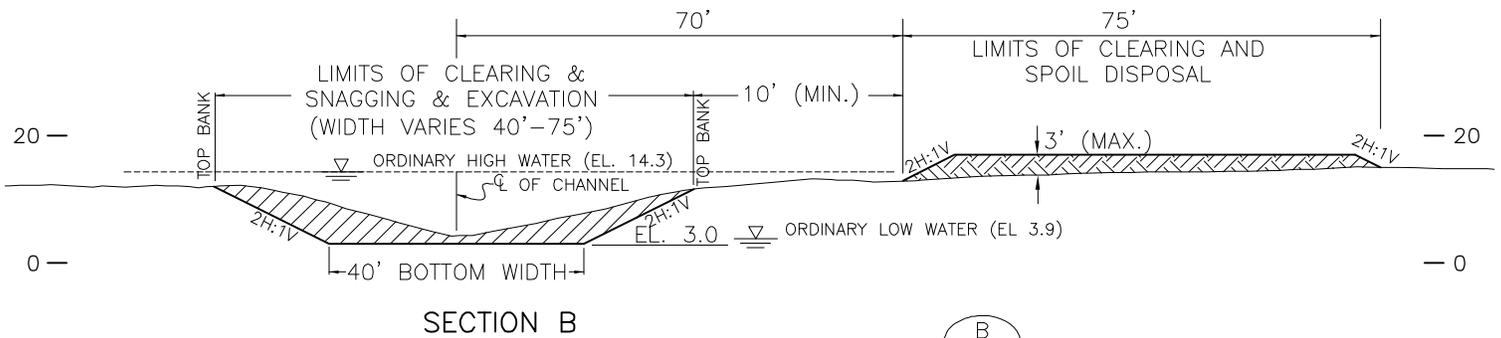
| | |
|----------|-------------------------------|
| CLIENT | ST. MARTIN PARISH GOVERNMENT |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. |
| LOCATION | ST. MARTIN PARISH, LOUISIANA |

SHEET
39
OF
44



SECTION A
 TYPICAL SECTION—CLEARING & SNAGGING & EXCAVATION
 STA 11+00 TO STA 20+10
 SCALE: 1"=30'

A
38



SECTION B
 TYPICAL SECTION—CLEARING & SNAGGING & EXCAVATION
 STA 11+00 TO STA 20+10
 SCALE: 1"=30'

B
38

LEGEND

- SECTION TITLE
- SHEET NO. SHOWING PLAN VIEW
- EXCAVATED MATERIAL BERM
- EXCAVATION

| PROJECT FEATURES | QUANTITY |
|--------------------------------|----------|
| GENERAL EXCAVATION (CU. YDS) | 4,690 |
| CLEARING & SNAGGING (LIN. FT.) | 910 |
| CLEARING (ACRES) | 1.6 |

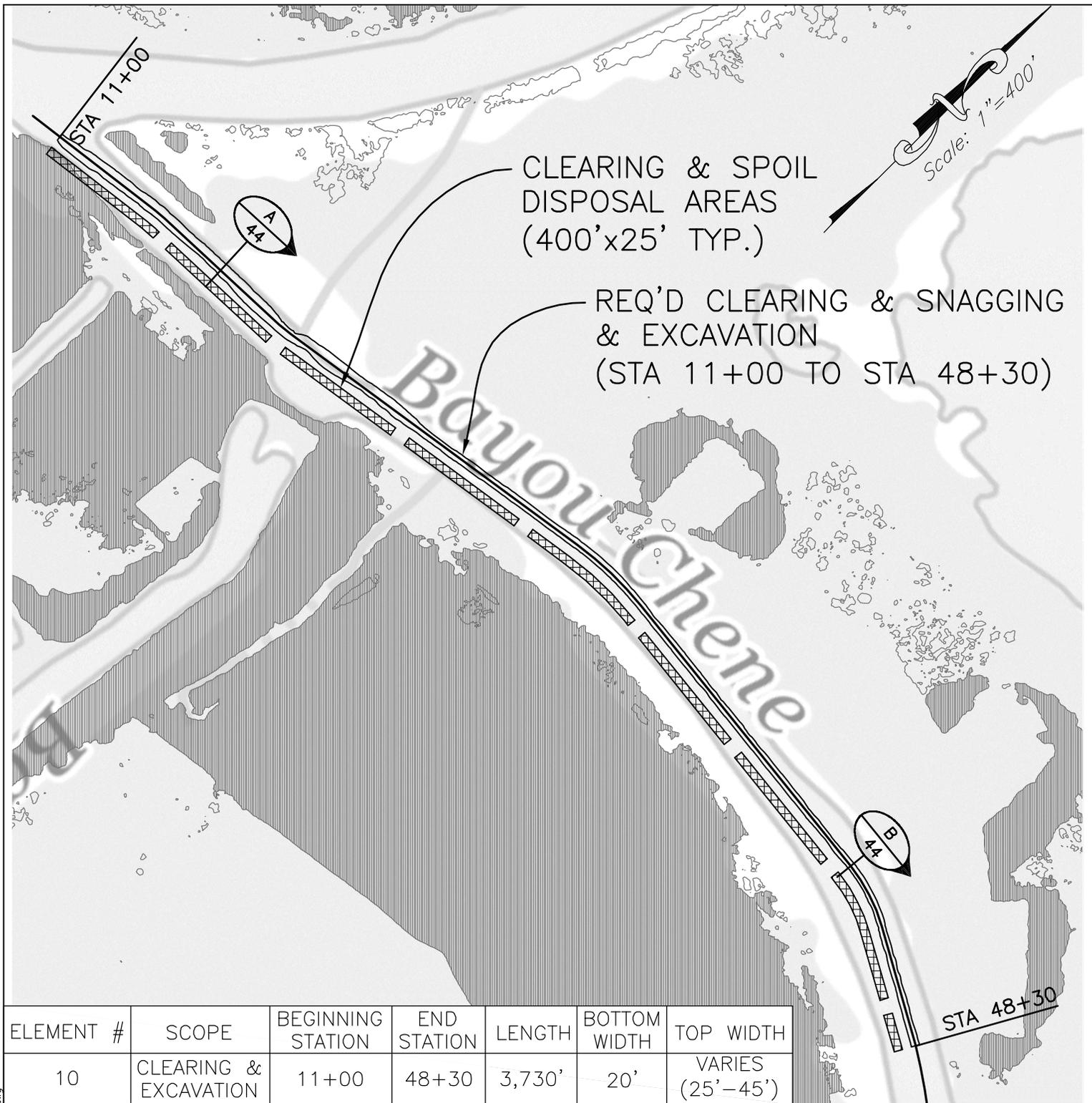
| | |
|----------|-------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | N. SONNIER |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-05 |
| FILE NO. | 8004-05\CAD |

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**BEAU BAYOU SWAMP
 HYDROLOGIC RESTORATION**

ELEMENT 9 — TYPICAL SECTIONS

| | | |
|----------|-------------------------------|-------------------------|
| CLIENT | ST. MARTIN PARISH GOVERNMENT | SHEET 40 OF 44 |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. | |
| LOCATION | ST. MARTIN PARISH, LOUISIANA | |



| ELEMENT # | SCOPE | BEGINNING STATION | END STATION | LENGTH | BOTTOM WIDTH | TOP WIDTH |
|-----------|-----------------------|-------------------|-------------|--------|--------------|------------------|
| 10 | CLEARING & EXCAVATION | 11+00 | 48+30 | 3,730' | 20' | VARIES (25'-45') |

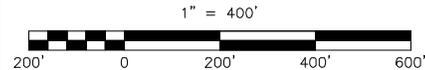
- NOTES:
1. THE CONTRACTOR SHALL CLEAR & SNAG ALL VEGETATIVE MATERIAL & DEBRIS WITHIN THE LIMITS SHOWN. ALL VEGETATIVE MATERIAL & DEBRIS SHALL BE CLEARED, GRUBBED, PILED AND BURIED WITHIN THE CLEARING & SPOIL DISPOSAL AREAS.
 2. MATERIAL EXCAVATED FROM ELEMENT 10 SHALL BE PLACED IN THE CLEARING & SPOIL DISPOSAL AREAS OR HAULED TO THE ATCHAFALAYA RIVER AND DISPOSED OF AS DIRECTED BY THE ENGINEER.
 3. THE CONTRACTOR SHALL CLEAR AND EXCAVATE ACCORDING TO THE TYPICAL SECTION AND ALIGNMENT SHOWN. IF THE PROPOSED TYPICAL SECTION WOULD RESULT IN EXCAVATION AND/OR CLEARING OUTSIDE OF THE EXISTING TOP BANK, THE CONTRACTOR SHALL FIRST SHIFT THE CENTERLINE OF THE TEMPLATE, OR SECOND DECREASE THE BOTTOM WIDTH TO REMAIN WITHIN THE EXISTING TOP BANK.

 CLEARING & SPOIL DISPOSAL AREAS
 UPLANDS (EL. > 15.6)

LEGEND



SECTION TITLE
SHEET NO. SHOWING SECTION



| | |
|----------|---------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | J. FABRE |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-07 |
| FILE NO. | SEE LEFT SIDE |



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**BEAU BAYOU SWAMP
 HYDROLOGIC RESTORATION**
 ELEMENT 10 - OVERALL PLAN VIEW

| | | | |
|----------|-------------------------------|-------|----|
| CLIENT | ST. MARTIN PARISH GOVERNMENT | SHEET | 41 |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. | OF | |
| LOCATION | ST. MARTIN PARISH, LOUISIANA | | 44 |

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MATCH LINE A-A SHEET 43

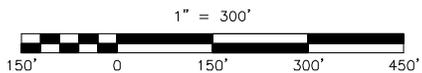


LIMITS OF CLEARING & SNAGGING & EXCAVATION (WIDTH VARIES 25'-45')

CLEARING AND SPOIL DISPOSAL AREAS (400' X 25' TYP.)

MINIMUM 10' WIDE BERM BETWEEN EXCAVATED MATERIAL BERM & PROPOSED LIMIT OF EXCAVATION (TYP.)

Sta. 11+00.00
 BEGIN EXCAVATION & CLEARING & SNAGGING
 10+00.00



LEGEND

-  NON-WETLAND (EL. \geq 15.6)
-  NON-WETLAND WATER BOTTOM
-  AFFECTED WETLANDS
-  OHW (EL. 14.3)
-  OLW (EL. 3.9)

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| | |
|----------|-------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | J. FABRE |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-07 |
| FILE NO. | OVERALL.DWG |



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**BEAU BAYOU SWAMP
 HYDROLOGIC RESTORATION**

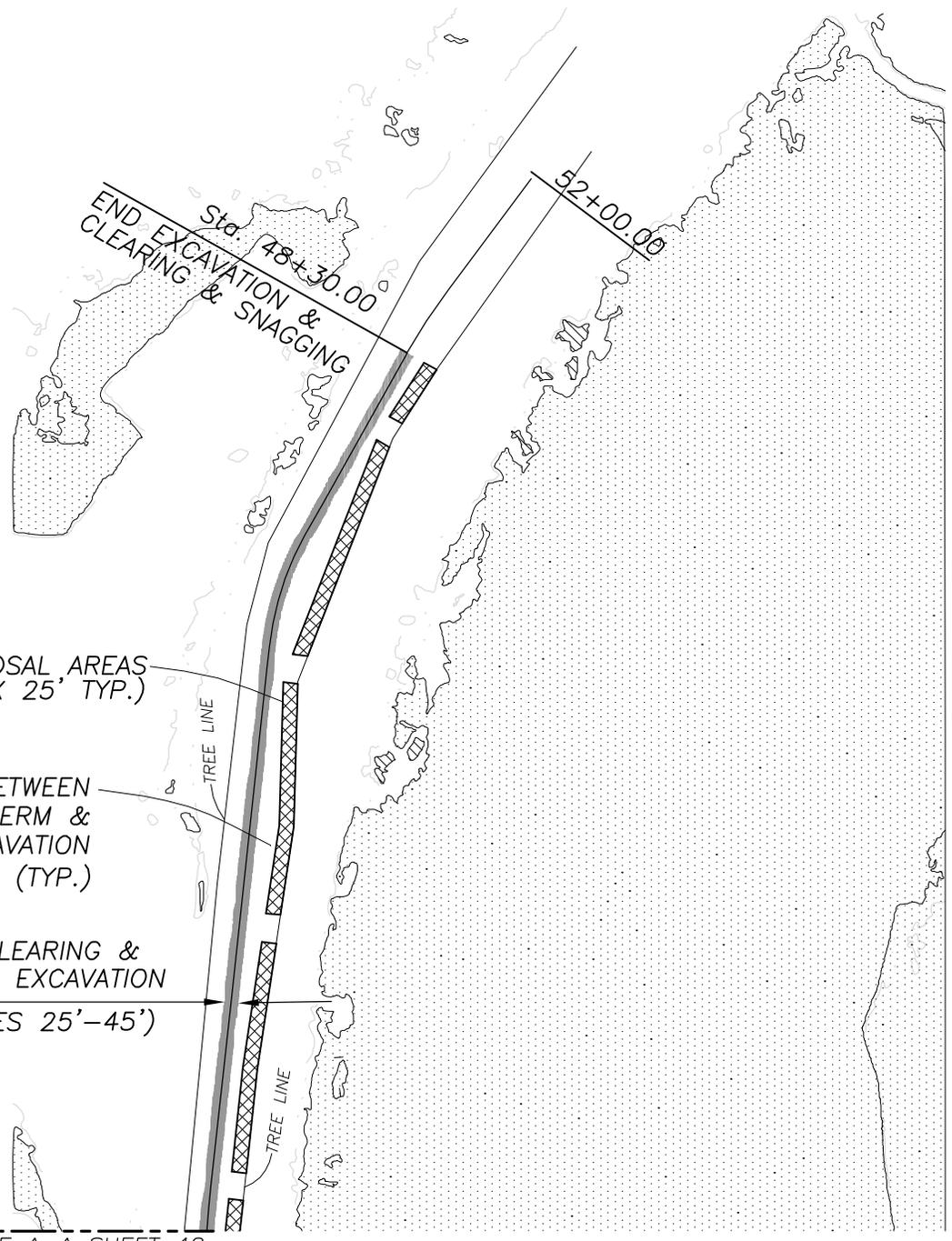
ELEMENT 10 - PLAN VIEW

| | |
|----------|-------------------------------|
| CLIENT | ST. MARTIN PARISH GOVERNMENT |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. |
| LOCATION | ST. MARTIN PARISH, LOUISIANA |

SHEET
 42
 OF
 44

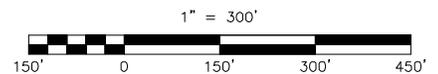


Scale: 1"=300'



LEGEND

-  NON-WETLAND (EL. > 15.6)
-  NON-WETLAND WATER BOTTOM
-  AFFECTED WETLANDS
-  OHW (EL. 14.3)
-  OLW (EL. 3.9)



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| | |
|----------|-------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | J. FABRE |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-07 |
| FILE NO. | OVERALL.DWG |



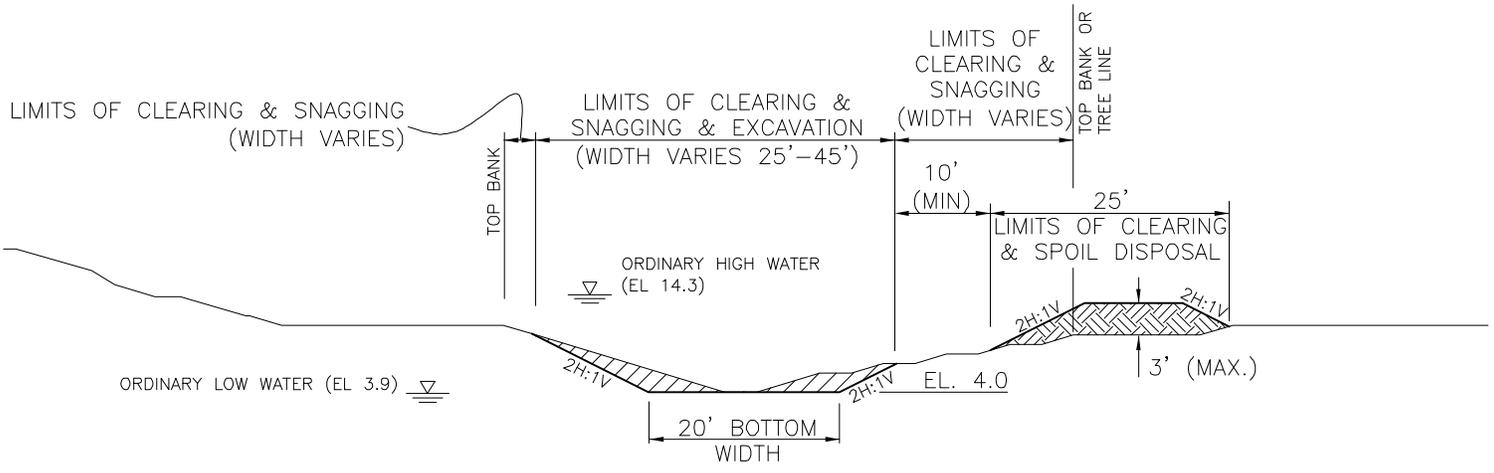
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**BEAU BAYOU SWAMP
 HYDROLOGIC RESTORATION**

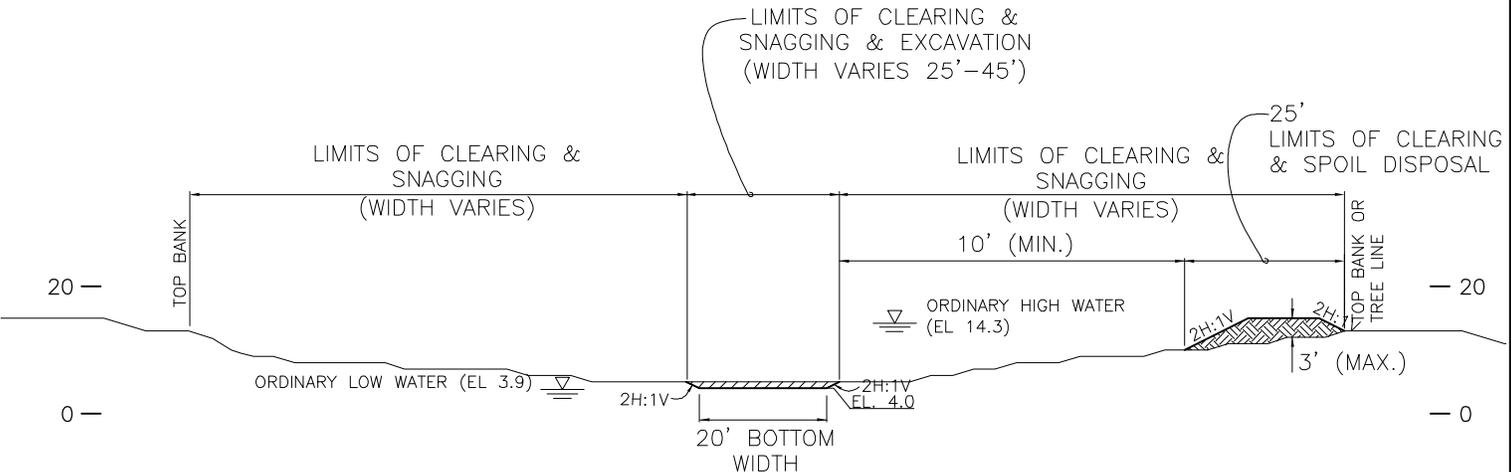
ELEMENT 10 – PLAN VIEW

| | |
|----------|-------------------------------|
| CLIENT | ST. MARTIN PARISH GOVERNMENT |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. |
| LOCATION | ST. MARTIN PARISH, LOUISIANA |

SHEET
 43
 OF
 44



SECTION A A
41
TYPICAL SECTION-CLEARING & SNAGGING & EXCAVATION
 STA 11+00 TO STA 48+30
 SCALE: 1"=20'



SECTION B B
41
TYPICAL SECTION-CLEARING & SNAGGING & EXCAVATION
 STA 11+00 TO STA 48+30
 SCALE: 1"=30'

LEGEND

- C SECTION TITLE
- 13 SHEET NO. SHOWING PLAN VIEW
- EXCAVATED MATERIAL BERM
- EXCAVATION

| PROJECT FEATURES | QUANTITY |
|--------------------------------|----------|
| GENERAL EXCAVATION (CU. YDS) | 4,931 |
| CLEARING & SNAGGING (LIN. FT.) | 3,730 |
| CLEARING (ACRES) | 0.1 |

| | |
|-----------------|-------------|
| ENGINEER | N. SONNIER |
| DRAWN BY | N. SONNIER |
| DATE | APRIL 2016 |
| SCALE | AS SHOWN |
| PROJECT | 8004-05 |
| FILE NO. | 8004-05\CAD |

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**BEAU BAYOU SWAMP
 HYDROLOGIC RESTORATION**

ELEMENT 10 - TYPICAL SECTIONS

| | |
|-----------------|-------------------------------|
| CLIENT | ST. MARTIN PARISH GOVERNMENT |
| PROJECT | BEAU BAYOU SWAMP HYDRO. REST. |
| LOCATION | ST. MARTIN PARISH, LOUISIANA |

SHEET
44
OF
44