

# JOINT PUBLIC NOTICE

December 17, 2018

United States Army  
Corps of Engineers  
New Orleans District  
Regulatory Branch, ODR-E  
Room 280  
7400 Leake Avenue  
New Orleans, Louisiana 70118

(504) 862-1564

[Stephanie.L.Castaing@usace.army.mil](mailto:Stephanie.L.Castaing@usace.army.mil)

Project Manager  
Stephanie Castaing  
Permit Application Number  
MVN-2017-0708-EPP

State of Louisiana  
Department of Environmental Quality  
ATTN: Water Quality Certifications

Post Office Box 4313  
Baton Rouge, Louisiana 70821-4313

(225) 219-3225

Project Manager  
Elizabeth Hill  
WQC Application Number  
WQC 181212-01

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

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

## **PHASE 2- LONG DISTANCE SEDIMENT PIPELINE AT THE MISSISSIPPI RIVER IN JEFFERSON, PLAQUEMINES AND LAFOURCHE PARISHES.**

**NAME OF APPLICANT:** Jefferson Parish Public Works Department, c/o APTIM, Atten: Charlotte Liner, 2503 Petroleum Drive, in Houma, Louisiana 70363.

**LOCATION OF WORK:** Project site is located in Jefferson, Plaquemines, and Lafourche Parishes, within Mississippi River, between 60 to 67 miles above Head of Passes, in Louisiana, as shown on the attached drawings.

POB (Phase 2-pipeline corridor): Latitude: 29.602633 Longitude: -90.071328  
POE (Phase 2-pipeline corridor): Latitude: 29.554822 Longitude: -90.217261

Hydrologic Unit Codes: 08090100 Lower Mississippi River - New Orleans and 080900301 East Central Louisiana Coastal.

**CHARACTER OF WORK:** Dredge for sediment within the Mississippi River at the notated Alliance Anchorage and Willis Point Anchorage borrow areas in order to create a pipeline access corridor and emergent marsh. The purpose of the project is to: 1) obtain renewable sediment resources, 2) establish an adequate access corridor that supports equipment mobilization for long distance sediment conveyance, and 3) restore intertidal wetlands. Phase 2 will incorporate previously permitted borrow areas and pipeline routes (MVN-2009-1353-EFF) to deliver sediment to the new Phase 2 corridor. Phase 2 will extend the existing Phase I corridor an additional 12.6 miles.

Project implementation will require excavation and deposition of approximately 3,833,790 cubic yards of native material and the deposition of approximately 800 cubic yards of crushed stone or gravel and 696 cubic yards of rock.

The comment period for the Department of the Army Permit and the Louisiana Department of Environmental Quality WQC will close **30 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.**

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

### **Corps of Engineers Permit Criteria**

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

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

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

The New Orleans District has determined that the proposed project is Not likely to Adversely Affect the endangered Pallid Sturgeon (*Scaphirhynchus albus*) and the West Indian Manatee (*Trichechus manatus*), based on the Standard Local Operating Procedure for Endangered Species of Louisiana (SLOPES), dated October 22, 2014, between the U.S. Army Corps of Engineers and U.S. Fish and Wildlife Service, Ecological Services Office.

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 700.0 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 Environmental Protection Agency. Also, a certification that the proposed activity will not violate applicable water quality standards will be required from the Department of Environmental Quality, Water Quality Certifications, before a permit is issued.

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

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

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

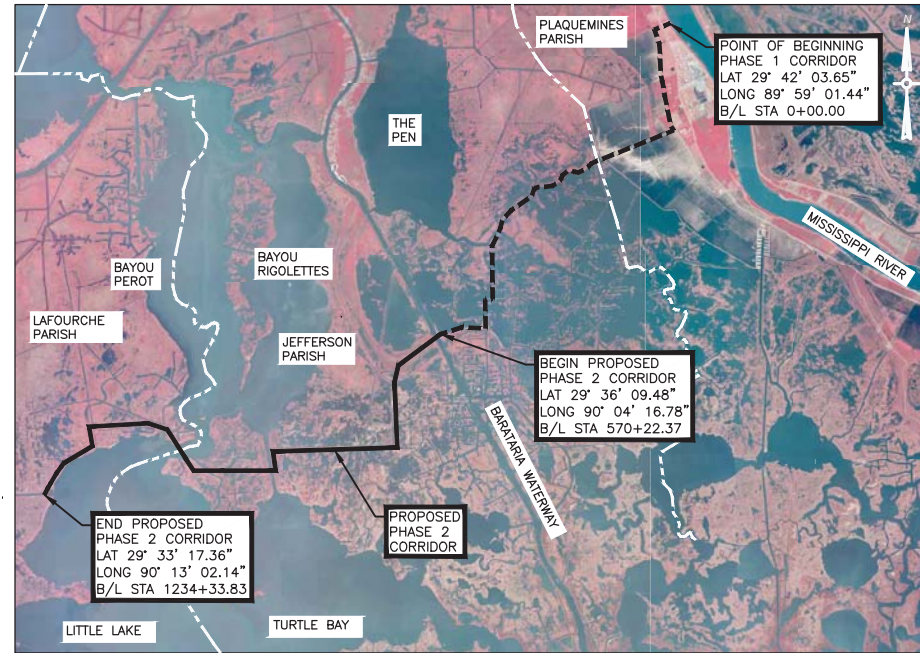
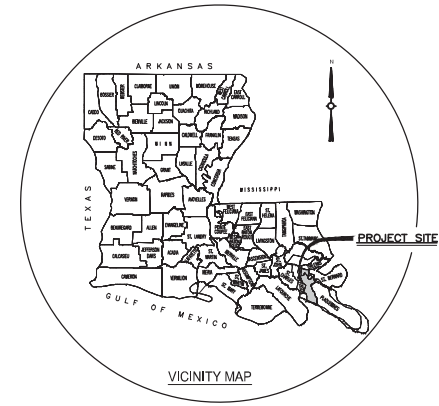
Michael V. Farabee  
Chief, Eastern Evaluation Section

Enclosure

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## JEFFERSON PARISH DEPARTMENT OF ENVIRONMENTAL AFFAIRS MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE WEST OF BARATARIA WATERWAY (PHASE 2 - CORRIDOR) JEFFERSON, PLAQUEMINES, & LAFOURCHE PARISH



**LOCATION MAP**

PHASE 1  
PREVIOUS PERMITS  
CUP NO. P20111445  
COE NO. MVN-2009-1353

THIS DRAWING SET IS FOR PERMITTING PURPOSES ONLY AND NOT TO BE USED FOR CONSTRUCTION

DATE: MAY 2017  
MARCH 2018 (REVISED)  
JULY 2018 (REVISED)



NO.	DATE	REVISION DESCRIPTION
1	07/25/18	ADDED DESIGN CROSS SECTIONS
2	03/16/18	PERMIT PLANS RE-ISSUED

DESIGNED	CHECKED	SCALE	DATE	TIME

APTIM  
THE METAIRIE CENTRE  
1000 BOURBON AVE.  
SUITE 650  
METAIRIE, LA. 70001 504.832.4878

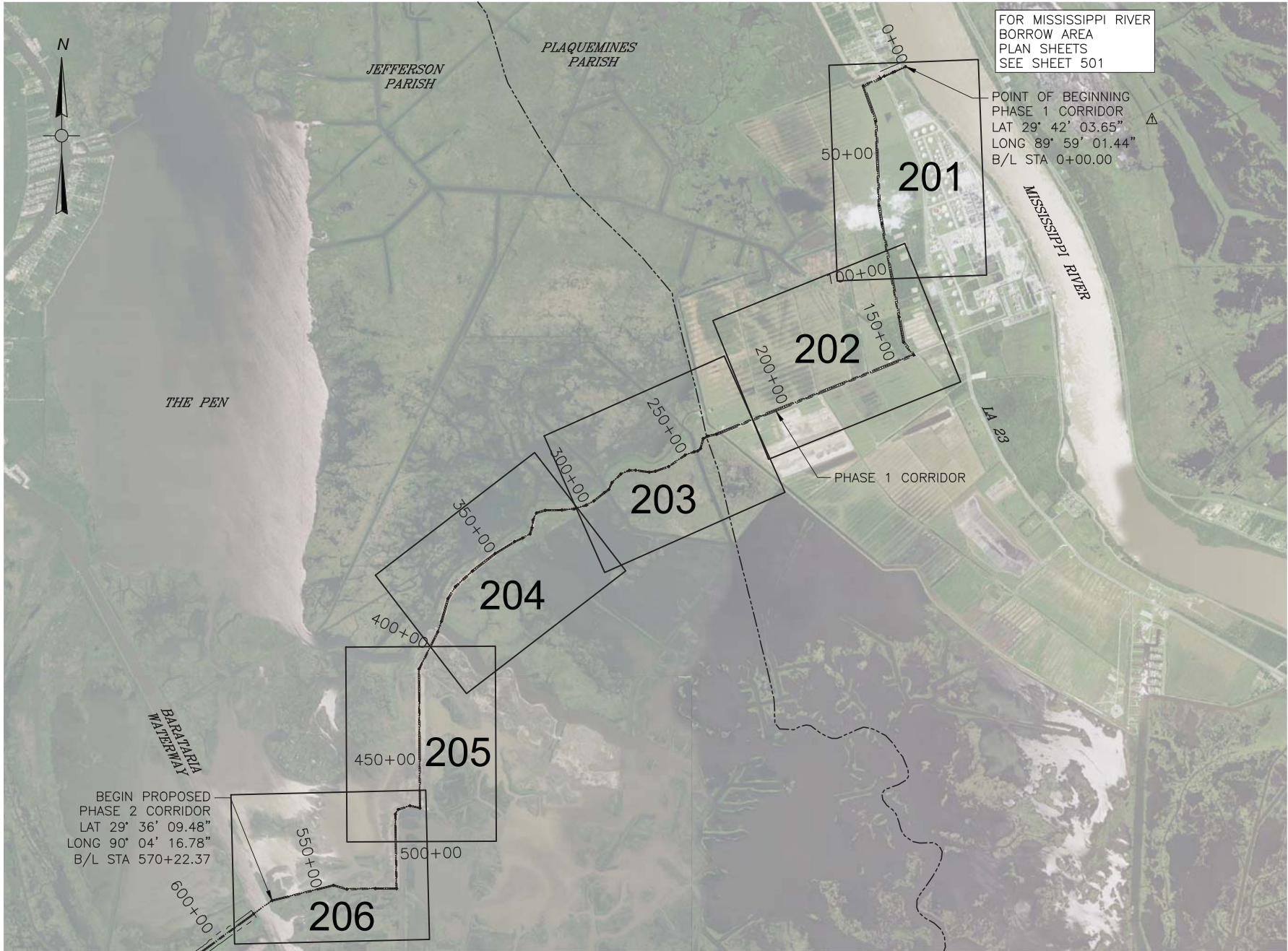
LONG DISTANCE SEDIMENT PIPELINE  
WEST OF BARATARIA WATERWAY  
TITLE SHEET

PROJECT NO. 153455
DATE MAY 2017
SHEET NO. 001

AIMS Group, Inc.  
Consulting Engineers  
4421 Zenith Street  
Metairie, LA 70001  
Ph: 504.887.7045  
Fax: 504.887.7088

FOR PERMITTING ONLY - NOT FOR CONSTRUCTION

FOR PERMITTING ONLY - NOT FOR CONSTRUCTION



FOR MISSISSIPPI RIVER  
BORROW AREA  
PLAN SHEETS  
SEE SHEET 501

POINT OF BEGINNING  
PHASE 1 CORRIDOR  
LAT 29° 42' 03.65"  
LONG 89° 59' 01.44"  
B/L STA 0+00.00

BEGIN PROPOSED  
PHASE 2 CORRIDOR  
LAT 29° 36' 09.48"  
LONG 90° 04' 16.78"  
B/L STA 570+22.37



SCALE: 1"=6,000'

NOTE:  
SEE SHEET 006 FOR IMAGERY DISCLAIMER CITATION PROVIDED BY  
THE REGIONAL PLANNING COMMISSION AND THE UNITED STATES  
DEPARTMENT OF AGRICULTURE (USDA).



NO.	DATE	REVISION DESCRIPTION	BY
1	07/25/18	CITATION NOTE REVISION	SPL
2	03/16/18	PERMIT PLANS RE-ISSUED	SPL
3	03/15/18	ADDED POINT OF BEGINNING	SPL

DESIGNED	CHECKED	SCALE	
DETAILED	CHECKED	DATE	TIME

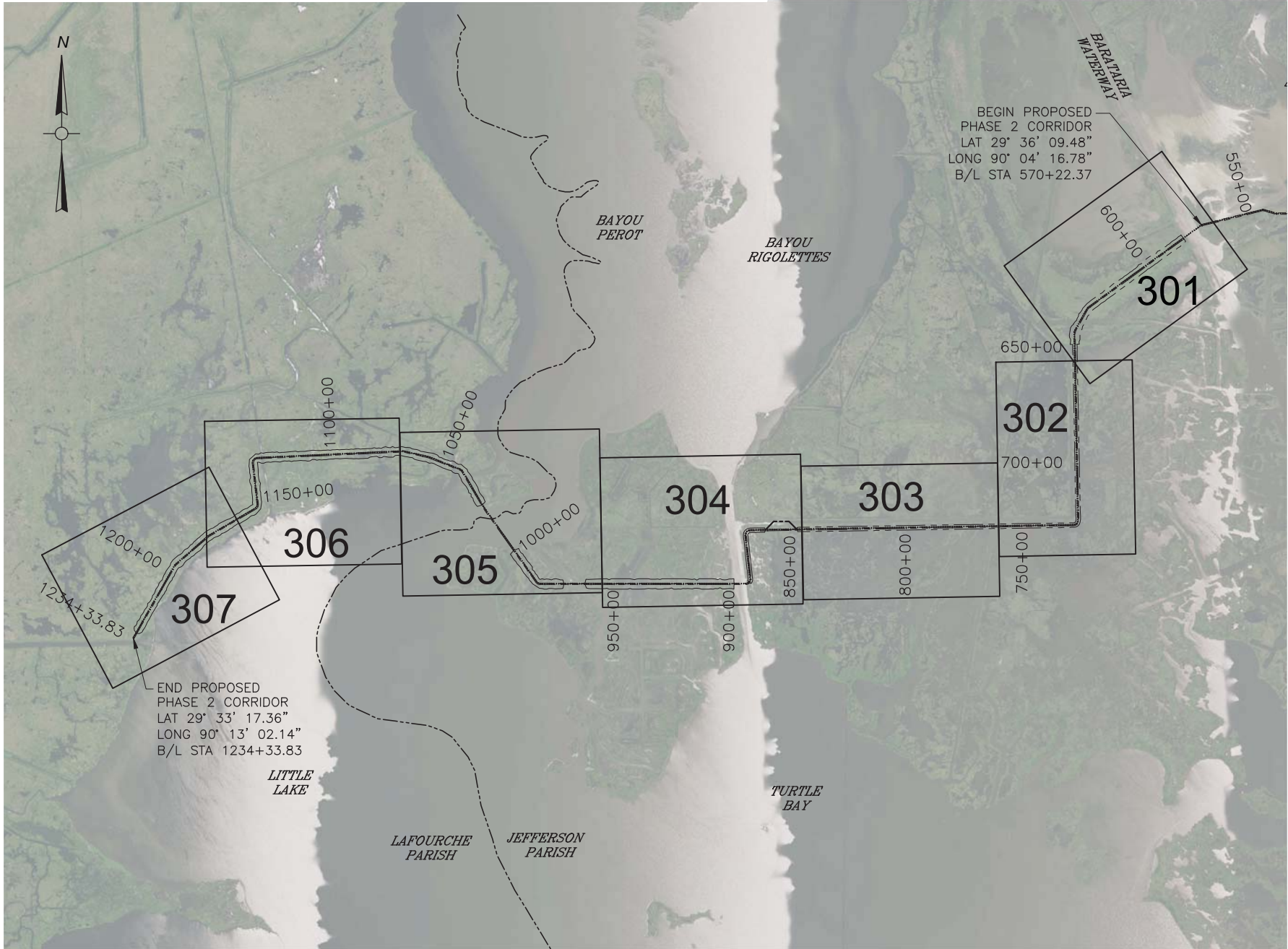
APTIM  
THE METAIRIE CENTRE  
4421 ZENITH STREET  
SUITE 450  
METAIRIE, LA 70003 504.832.4878

LONG DISTANCE SEDIMENT PIPELINE  
WEST OF BARATARIA WATERWAY  
PROJECT LAYOUT - PHASE 1  
(EXISTING CORRIDOR)

PROJECT NO. 153455
DATE MAY 2017
SHEET NO. 002

AIMS Group, Inc.  
Consulting Engineers  
4421 Zenith Street  
Metairie, LA 70001  
Ph: 504.887.7045  
Fax: 504.887.7088

FOR PERMITTING ONLY - NOT FOR CONSTRUCTION



BEGIN PROPOSED  
PHASE 2 CORRIDOR  
LAT 29° 36' 09.48"  
LONG 90° 04' 16.78"  
B/L STA 570+22.37

END PROPOSED  
PHASE 2 CORRIDOR  
LAT 29° 33' 17.36"  
LONG 90° 13' 02.14"  
B/L STA 1234+33.83



**NOTE:**  
SEE SHEET 006 FOR IMAGERY DISCLAIMER CITATION PROVIDED BY THE REGIONAL PLANNING COMMISSION AND THE UNITED STATES DEPARTMENT OF AGRICULTURE (USDA).

**AIMS Group, Inc.**  
Consulting Engineers  
4421 Zenith Street  
Metairie, LA 70001  
Ph: 504.887.7045  
Fax: 504.887.7088



NO.	DATE	REVISION DESCRIPTION	SPL	BY
1	03/16/18	PERMIT PLANS RE-ISSUED		
2	07/25/18	CITATION NOTE REVISION		

DESIGNED	CHECKED	SCALE	DATE	TIME
DETAILED	CHECKED			

**APTIM**  
THE METAIRIE CENTRE  
1400 BOBROIN AVE.  
SUITE 650  
METAIRIE, LA. 70001.504.832.4878

LONG DISTANCE SEDIMENT PIPELINE  
WEST OF BARATARIA WATERWAY  
PROJECT LAYOUT - PHASE 2  
(CORRIDOR)

PROJECT NO. 153455
DATE MAY 2017
SHEET NO. 003

**GENERAL NOTES:**

- BACKGROUND AERIAL IMAGES FROM THE REGIONAL PLANNING COMMISSION FOR JEFFERSON, ORLEANS, PLAQUEMINES, ST. BERNARD, ST. TAMMANY AND TANGIPAHOA PARISHES (RPC) AND THE UNITED STATES DEPARTMENT OF AGRICULTURE (USDA).
- COORDINATES ARE NAVD83, LOUISIANA STATE PLANE, SOUTHERN ZONE, U.S. SURVEY FEET.
- ALL ELEVATIONS ARE IN NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), U.S. SURVEY FEET.
- THE RIVER DATUMS SHOWN BASED ON HISTORIC DATA FOR MISSISSIPPI RIVER AT ALLIANCE (01390) RIVER MILE 62.5. RECORDS AVAILABLE FROM APRIL 2, 1977 TO DATE.
- THE CONTRACTOR SHALL NOT EXCAVATE WITHIN 500' OF ANY PIPELINE IN THE MISSISSIPPI RIVER OR WITHIN 50' OF ANY OTHER PIPELINE EXCEPT FOR NAOMI SIPHON PIPES.
- NO EXCAVATION SHALL BE PERMITTED WITHIN 25' OF THE NAOMI SIPHON PIPES. THE EDGE OF THE DREDGE SLURRY PIPELINE SHALL BE PLACED A MINIMUM OF 25' OF THE EDGE OF THE NAOMI SIPHON PIPES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING PIPELINE AND UTILITY OPERATORS AT THE TIME OF CONSTRUCTION. ALL PIPELINES AND UNDERGROUND UTILITIES SHALL BE FIELD LOCATED AND MARKED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING PIPELINE AND UTILITY OPERATORS 72 HOURS PRIOR TO ANY EXCAVATION.
- NO CONSTRUCTION EQUIPMENT OR ACTIVITIES MAY OPERATE, TRANSIT, STAGE OR STORE OUTSIDE OF THE CONSTRUCTION LIMITS.
- THIS DRAWING SET IS FOR PERMITTING PURPOSES ONLY AND IS NOT TO BE USED FOR CONSTRUCTION.
- ESTIMATED RANGE OF FULLY-LOADED DRAFTS FOR VESSELS TO BE USED DURING CONSTRUCTION:
  - 4,000 HP TUGS ..... 15-20 FT
  - 2,000 HP TUGS ..... 10-14 FT
  - WORK BOATS, TENDERS ..... 6-8 FT
  - CREW BOATS ..... 2-4 FT
  - BOOSTER PUMP BARGES, WORK BARGES, FUEL BARGES ..... 4-6 FT
  - SMALL BARGE-MOUNTED CLAMSHELL OR EXCAVATOR ..... 4-6 FT
  - LARGE HYDRAULIC DREDGE ..... 10 FT
- REFER TO SHEET 507 FOR CORRIDOR ALIGNMENT TABLES.

**DREDGING NOTES:**

- THE CONTRACTOR WILL BE REQUIRED TO ANCHOR WITHIN THE DREDGE ANCHOR LIMITS SHOWN IN SHEETS 503 AND 504.
- DREDGE ANCHOR LIMITS SHALL BE MARKED WITH BUOYS AS SHOWN IN SHEETS 503 AND 504.
- DREDGING BEYOND THE BORROW AREA LIMITS SHOWN WILL NOT BE ALLOWED.
- DREDGING WILL BE ALLOWED TO A MAXIMUM DEPTH OF -90 FT NAVD88.
- THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A DAILY COMMUNICATION PLAN TO THE OWNER, THE USACE OPERATIONS DIVISION, AND MNSA DELINEATING THE LOCATION OF THE DREDGE, ATTENDANT PLANT, ANCHOR BUOYS, AND FLOATING PIPELINE AS PER THE OWNER SPECIFICATIONS.

**CANAL CROSSINGS**

STA.	CANAL	CROSSING	PIPE
STA. 575+00	BAYOU BARATARIA WATERWAY	TEMPORARY CROSSING	BURIED PIPE
STA. 638+00	CANAL NO. 1	PERMANENT CROSSING	FILL
STA. 762+50	CANAL NO. 3	PERMANENT CROSSING	FILL
STA. 855+00	LITTLE LAKE CLUB CANAL	TEMPORARY CROSSING	BURIED PIPE
STA. 895+50	HARVEY CUT	TEMPORARY CROSSING	BURIED PIPE
STA. 967+00	CANAL NO. 4	TEMPORARY CROSSING	BURIED PIPE
STA. 1015+00	BAYOU PEROT	TEMPORARY CROSSING	BURIED PIPE
STA. 1037+50	CANAL NO. 5	PERMANENT CROSSING	FILL
STA. 1045+00	CANAL NO. 6	PERMANENT CROSSING	FILL
STA. 1056+00	CANAL NO. 8	PERMANENT CROSSING	FILL
STA. 1078+00	UNNAMED CANAL	PERMANENT CROSSING	FILL
STA. 1130+00	CANAL NO. 8	PERMANENT CROSSING	FILL

**ABBREVIATIONS**

\* UNLESS OTHERWISE NOTED ON EACH SHEET

A/E	ARCHITECT OR ENGINEER	ID	INSIDE DIAMETER
ALT.	ALTERNATE	LS	LUMP SUM
APPROX	APPROXIMATE	L.S.	LIFT STATION
ASPH.	ASPHALT	MISC	MISCELLANEOUS
AVG.	AVERAGE	MH	MANHOLE
AZ	AZIMUTH	M.S.L.	MEAN SEA LEVEL
B/L	BASELINE	N.T.S.	NOT TO SCALE
BLDG.	BUILDING	N/A	NOT APPLICABLE
BM	BENCH MARK	NO	NUMBER
BRG.A.	BEARING	OF	OUTSIDE FACE
CB	CATCH BASIN	OC	ON CENTER
C/L	CENTERLINE	OD	OUTSIDE DIAMETER
CMP	CORRUGATED METAL PIPE	OHL	OVERHEAD LINE
CONC	CONCRETE	PC	POINT OF CURVATURE
CFS	CUBIC FEET PER SECOND	P.I.	POINT OF INFLECTION
DTL.	DETAIL	P/S	PROTECTED SIDE
DI	DUCTILE IRON	P/L	PIPELINE
DIA	DIAMETER	PL	PIPELINE
DIST	DISTANCE	RR	RAILROAD
DWG	DRAWING	R/W	RIGHT OF WAY
EL	ELEVATION	S/P	SHEET PILE
EJ	EXPANSION JOINT	SPEC	SPECIFICATIONS
EX	EXISTING	STA	STATION
EXIST	EXISTING	SUB	SUBMERGED
FT	FEET	T&B	TOP AND BOTTOM
FH	FIRE HYDRANT	TYP	TYPICAL
F/S	FLOOD SIDE	UGND	UNDERGROUND
FM	FORCE MAIN	V	VERTICAL
HT	HEIGHT	WL	WATER LINE
H	HORIZONTAL	WM	WATER MAIN
HP	HORSEPOWER	WV	WATER VALVE

**PERMITTING NOTES**

PHASE 1 WAS CONSTRUCTED UNDER PERMITS  
CUP NO. P20111445  
USACE NO. MVN-2009-1353

THE INTENT OF THIS PERMIT IS TO RE-USE PREVIOUSLY AUTHORIZED BORROW AREAS WITHIN THE MISSISSIPPI RIVER AND CONSTRUCTION METHODS TO DELIVER RIVER SEDIMENT TO THE NEW PHASE 2 CORRIDOR.

**UTILITY CROSSINGS**

PHASE 1 CORRIDOR	PROPOSED PHASE 2 CORRIDOR
1 ENTERGY OVERHEAD LINE	9 16" JP WATERLINE
2 6" PHILLIPS 66 PIPELINE	10 8" CHEVRON PIPELINE
3 8" PHILLIPS 66 PIPELINE	11 6" CASTEX ENERGY FLOW LINE
4 ENTERGY TRANSMISSION LINE	12 24" PLAINS PIPELINE
5 PLAINS PIPELINE	13 GULF PIPE LINE COMPANY
6 PLAINS PIPELINE	14 BP OIL PIPE LINE COMPANY
7 20" SHELL PIPELINE	15 EXXON PIPELINE
8 18" BP PIPELINE	16 2.5" EXXON FLOW LINE
	17 BADGER OIL CORP. PIPELINE
	18 BADGER OIL CORP. PIPELINE
	19 2-16" EXXONMOBIL PIPELINES



NO.	DATE	PERMIT PLANS RE-ISSUED	BY

SCALE	DATE	TIME

DESIGNED	CHECKED	DETAILED	CHECKED
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APTIM  
THE METAIRIE CENTRE  
10000 METAIRIE AVENUE  
SUITE 450  
METAIRIE, LA. 70003 504.832.4878



LONG DISTANCE SEDIMENT PIPELINE  
WEST OF BARATARIA WATERWAY

GENERAL NOTES

PROJECT NO.  
153455

DATE  
MAY 2017

SHEET NO.  
004

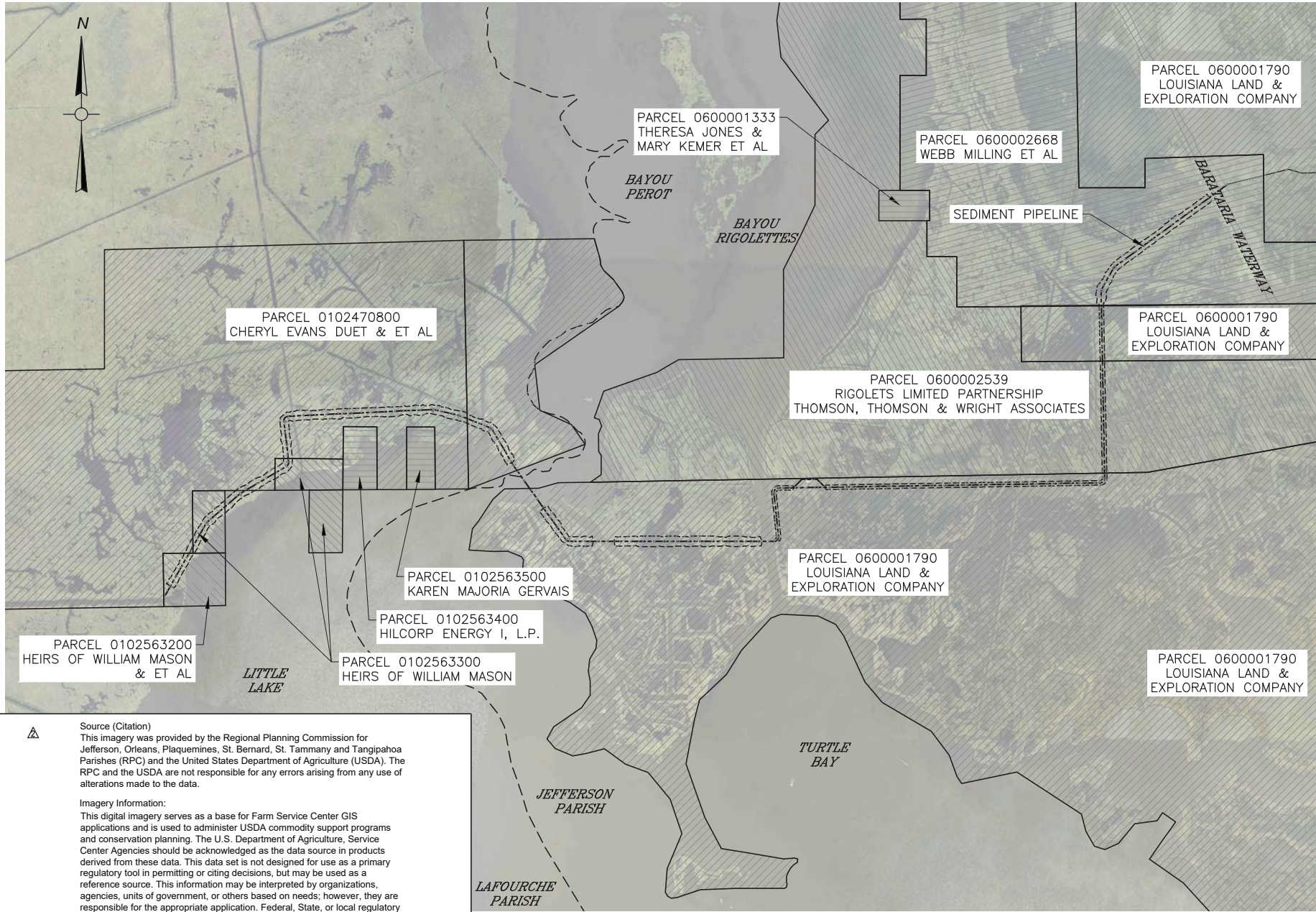


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PARCEL 0102563200  
HEIRS OF WILLIAM MASON  
& ET AL

PARCEL 0102470800  
CHERYL EVANS DUET & ET AL

PARCEL 0102563300  
HEIRS OF WILLIAM MASON

PARCEL 0102563400  
HILCORP ENERGY I, L.P.

PARCEL 0102563500  
KAREN MAJORIA GERVAIS

PARCEL 0600001333  
THERESA JONES &  
MARY KEMER ET AL

PARCEL 0600002668  
WEBB MILLING ET AL

PARCEL 0600002539  
RIGOLETS LIMITED PARTNERSHIP  
THOMSON, THOMSON & WRIGHT ASSOCIATES

PARCEL 0600001790  
LOUISIANA LAND &  
EXPLORATION COMPANY



PARCEL 0600001790  
LOUISIANA LAND &  
EXPLORATION COMPANY

PARCEL 0600001790  
LOUISIANA LAND &  
EXPLORATION COMPANY

PARCEL 0600001790  
LOUISIANA LAND &  
EXPLORATION COMPANY



SCALE: 1"=5000'

This color infrared geotiff imagery was captured in 2015 and projected to UTM; the unit of measure is meters. The compressed mrsid imagery was produced from the geotiff data as true color parish mosaics. Specific dates are included in imagery metadata at the file level. The spatial resolution is approximately a one meter pixel. Any use of the data must be accompanied with this citation and accompanying seals and logos.

**Source (Citation)**  
This imagery was provided by the Regional Planning Commission for Jefferson, Orleans, Plaquemines, St. Bernard, St. Tammany and Tangipahoa Parishes (RPC) and the United States Department of Agriculture (USDA). The RPC and the USDA are not responsible for any errors arising from any use of alterations made to the data.

**Imagery Information:**  
This digital imagery serves as a base for Farm Service Center GIS applications and is used to administer USDA commodity support programs and conservation planning. The U.S. Department of Agriculture, Service Center Agencies should be acknowledged as the data source in products derived from these data. This data set is not designed for use as a primary regulatory tool in permitting or citing decisions, but may be used as a reference source. This information may be interpreted by organizations, agencies, units of government, or others based on needs; however, they are responsible for the appropriate application. Federal, State, or local regulatory bodies are not to reassign to the Service Center Agencies any authority for the decisions that they make. The Service Center Agencies will not perform any evaluations of these data for purposes related solely to State or local regulatory programs.



NO.	DATE	REVISION DESCRIPTION
1	07/25/18	ADDED CITATION
2	03/16/18	PERMIT PLANS RE-ISSUED

DESIGNED	CHECKED	SCALE
DETAILED	CHECKED	DATE
		TIME



**APTIM**  
THE METAIRIE CENTRE  
1400 BOBROW AVE.  
SUITE 450  
METAIRIE, LA. 70003 504.832.4878

LONG DISTANCE SEDIMENT PIPELINE  
WEST OF BARATARIA WATERWAY

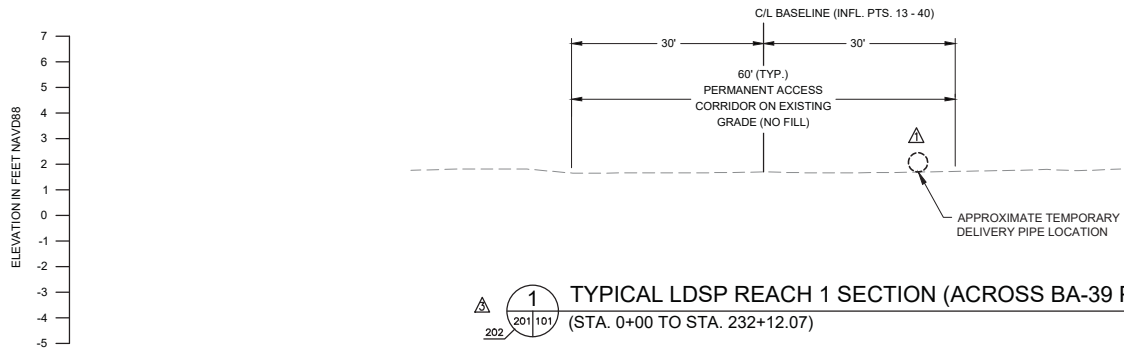
PROPERTY OWNERS

PROJECT NO. 153455
DATE MAY 2017
SHEET NO. 006



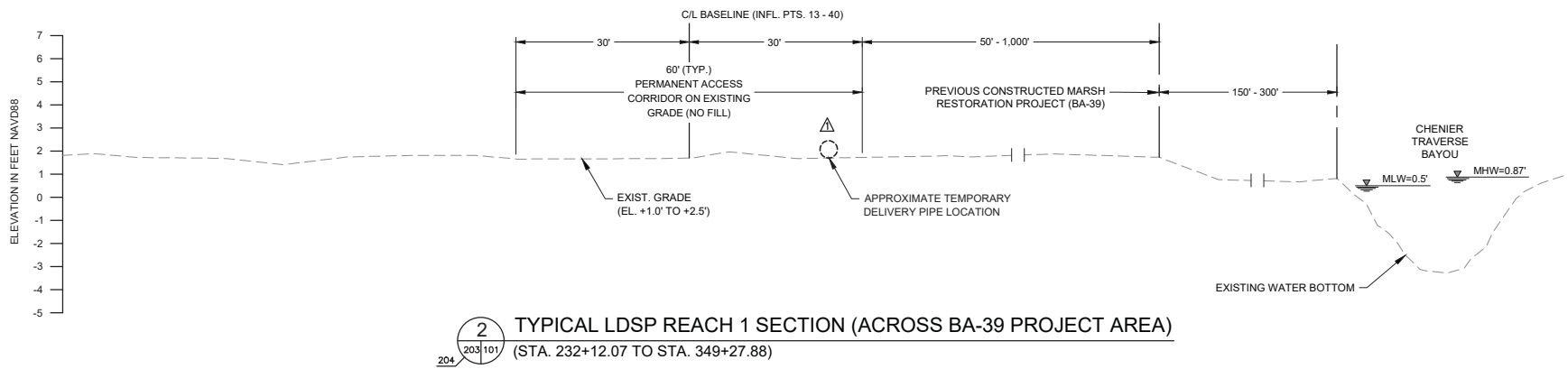
**AIMS Group, Inc.**  
Consulting Engineers  
4421 Zenith Street  
Metairie, LA 70001  
Ph: 504.887.7045  
Fax: 504.887.7088

FOR PERMITTING ONLY - NOT FOR CONSTRUCTION

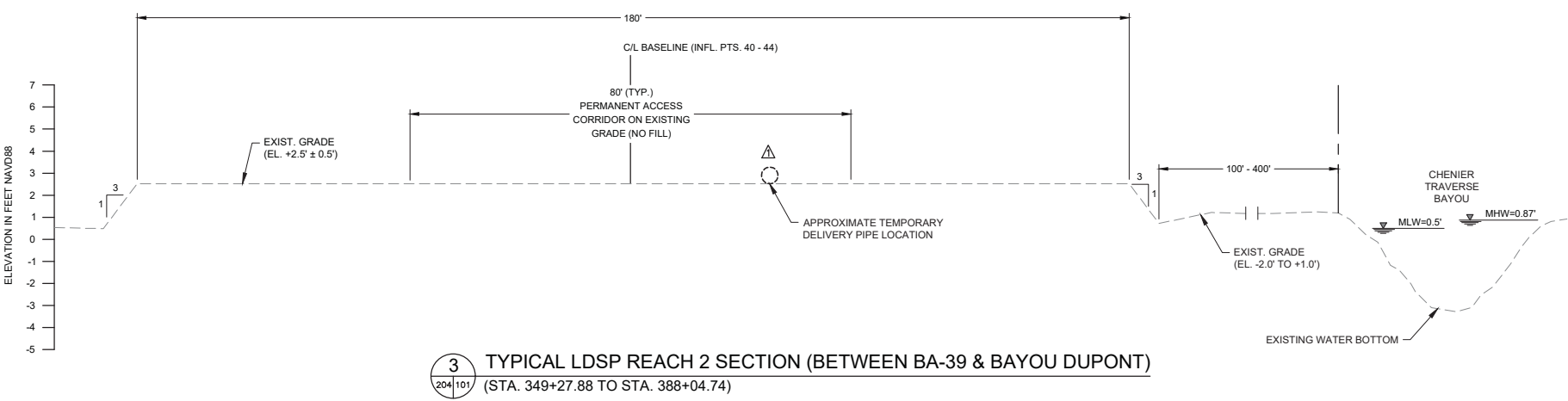


NOTE:  
TEMPORARY DELIVERY PIPE MAY BE LOCATED BY CONTRACTOR ANYWHERE WITHIN PERMANENT ACCESS CORRIDOR.

**1** TYPICAL LDSP REACH 1 SECTION (ACROSS BA-39 PROJECT AREA)  
(STA. 0+00 TO STA. 232+12.07)

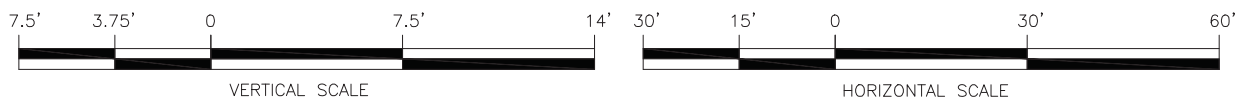


**2** TYPICAL LDSP REACH 1 SECTION (ACROSS BA-39 PROJECT AREA)  
(STA. 232+12.07 TO STA. 349+27.88)



**3** TYPICAL LDSP REACH 2 SECTION (BETWEEN BA-39 & BAYOU DUPONT)  
(STA. 349+27.88 TO STA. 388+04.74)

NOTE:  
1. EXISTING GROUND ELEVATIONS BASED ON TOPOGRAPHIC SURVEY'S PERFORMED FROM JULY 26 THROUGH OCTOBER 10, 2011 BY T. BAKER SMITH, LLC.



NO.	DATE	REVISION DESCRIPTION	BY
1	08/10/18	ADDED NEW TYPICAL SECTION	SPL
2	03/16/18	PERMIT PLANS RE-ISSUED	SPL
3	03/15/18	TEMPORARY PIPE NOTED	SPL

SCALE	DATE	TIME

DESIGNED	CHECKED	DETAILED	CHECKED

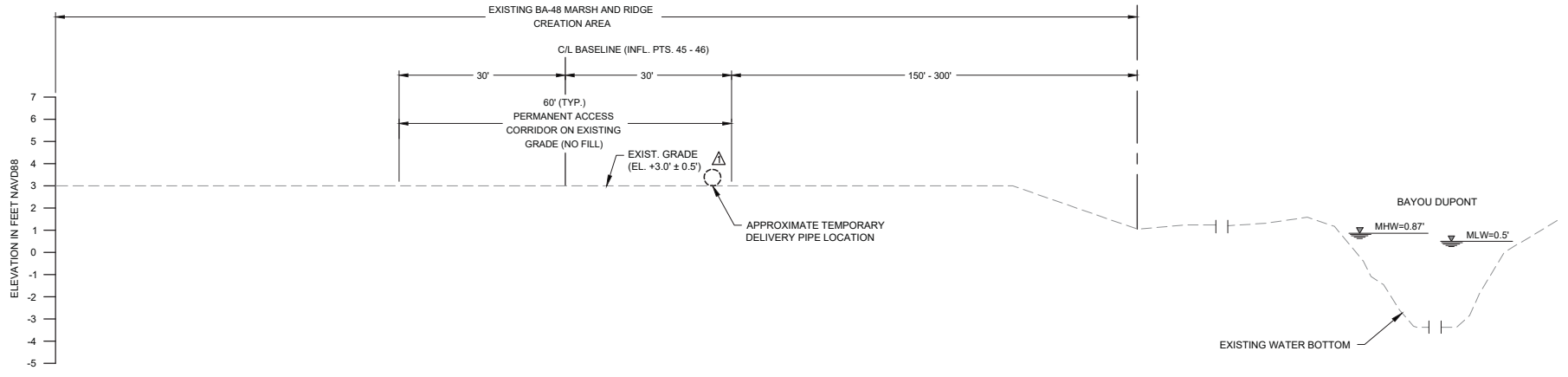
**APTIM**  
THE METAIRIE CENTRE  
1000 BARBOUR AVE.  
SUITE 450  
METAIRIE, LA. 70001 504.832.4878

LONG DISTANCE SEDIMENT PIPELINE  
WEST OF BARATARIA WATERWAY  
BASE BID: TYPICAL LDSP  
EXISTING SECTIONS

PROJECT NO. 153455
DATE MAY 2017
SHEET NO. 101

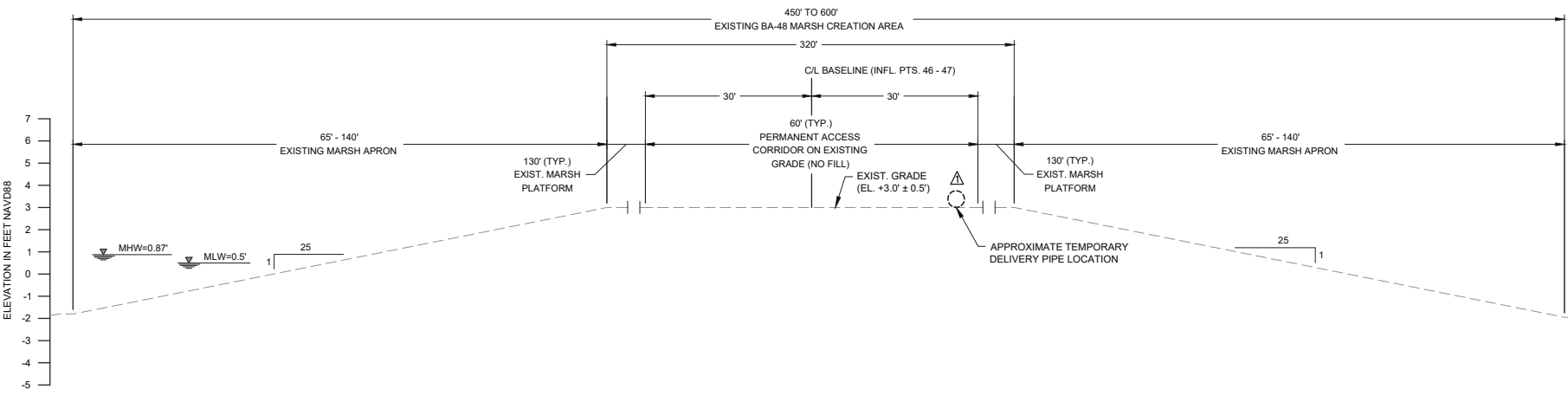
**AIMS Group, Inc.**  
Consulting Engineers  
4421 Zenith Street  
Metairie, LA 70001  
Ph: 504.887.7045  
Fax: 504.887.7088

FOR PERMITTING ONLY - NOT FOR CONSTRUCTION

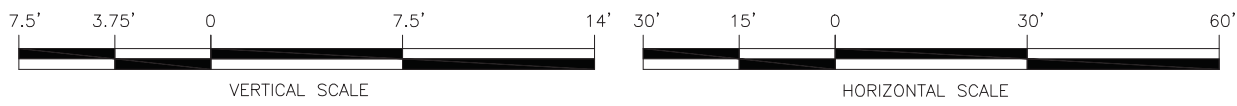


NOTE:  
TEMPORARY DELIVERY PIPE MAY BE LOCATED BY CONTRACTOR ANYWHERE WITHIN PERMANENT ACCESS CORRIDOR.

**4** TYPICAL LDSP REACH 3 SECTION (ACROSS BA-48 MARSH CREATION AREA)  
(STA. 392+97.96 TO STA. 410+90.02)



**5** TYPICAL LDSP REACH 4 SECTION (FROM BA-48 TO THE FISH CAMP)  
(STA. 410+90.02 TO STA. 468+07.02)



NO.	DATE	REVISION DESCRIPTION
1	07/25/18	RENUMBERED TYPICAL SECTIONS
2	03/16/18	PERMIT PLANS RE-ISSUED
3	03/15/18	TEMPORARY PIPE NOTED

SCALE	DATE	TIME

DESIGNED	CHECKED	DETAILED	CHECKED

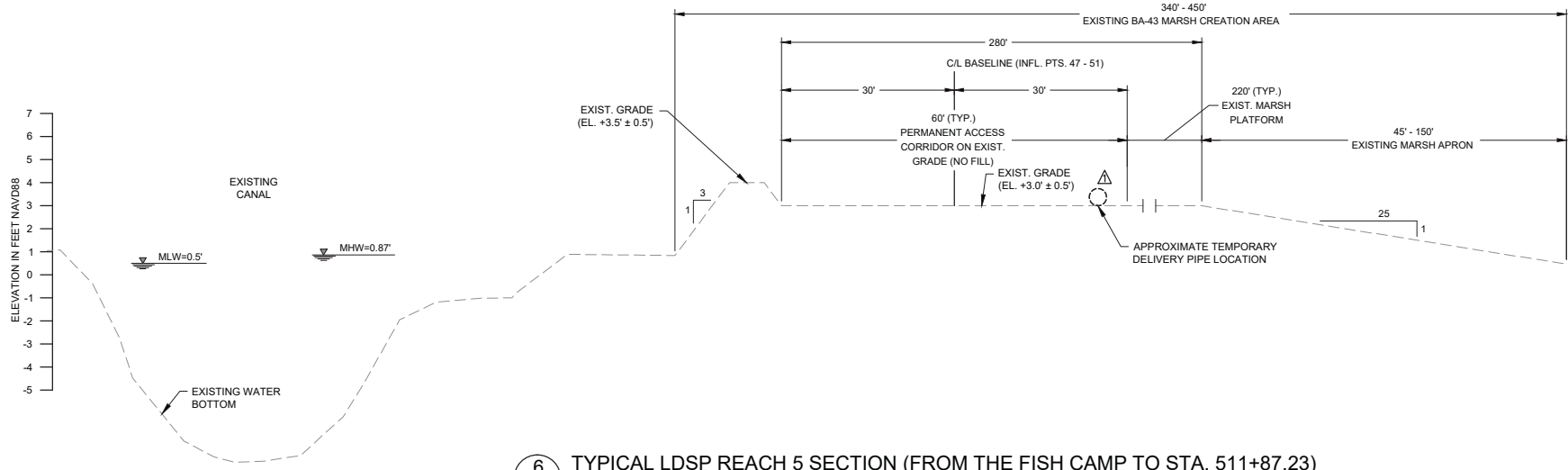
**APTIM**  
THE METAIRIE CENTRE  
614 BOBROW AVE.  
SUITE 450  
METAIRIE, LA. 70003 504.832.4878

LONG DISTANCE SEDIMENT PIPELINE  
WEST OF BARATARIA WATERWAY  
BASE BID: TYPICAL LDSP  
EXISTING SECTIONS

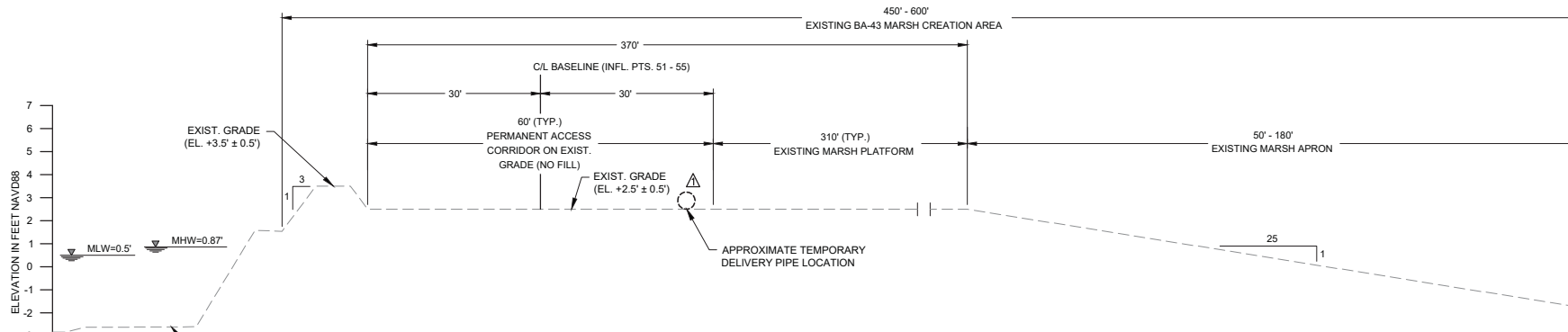
PROJECT NO. 153455
DATE MAY 2017
SHEET NO. 102

FOR PERMITTING ONLY - NOT FOR CONSTRUCTION

NOTE:  
TEMPORARY DELIVERY PIPE MAY BE LOCATED BY CONTRACTOR ANYWHERE WITHIN PERMANENT ACCESS CORRIDOR.

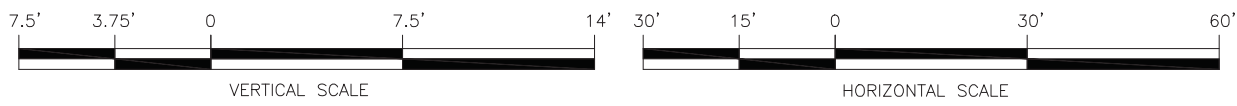


**6** TYPICAL LDSP REACH 5 SECTION (FROM THE FISH CAMP TO STA. 511+87.23)  
208/103 (STA. 468+07.02 TO STA. 511+87.23)



**7** TYPICAL LDSP REACH 6 SECTION (FROM STA. 511+87.23 TO BARATARIA WATERWAY)  
208/103 (STA. 511+87.23 TO STA. 570+22.0)

NOTE:  
1. EXISTING GROUND ELEVATIONS BASED ON TOPOGRAPHIC SURVEYS PERFORMED FROM JULY 26 THROUGH OCTOBER 10, 2011 BY T. BAKER SMITH, LLC.



AIMS Group, Inc.  
Consulting Engineers  
4421 Zenith Street  
Metairie, LA 70001  
Ph: 504.887.7045  
Fax: 504.887.7088



NO.	DATE	REVISION DESCRIPTION
1	07/25/18	RENUMBERED TYPICAL SECTIONS
2	03/16/18	PERMIT PLANS RE-ISSUED
3	03/15/18	TEMPORARY PIPE NOTED

DESIGNED	CHECKED	DETAILED	CHECKED

APTIM  
THE METAIRIE CENTRE  
1000 BOON AVENUE  
SUITE 450  
METAIRIE, LA 70003 504.832.4878

LONG DISTANCE SEDIMENT PIPELINE  
WEST OF BARATARIA WATERWAY  
BASE BID: TYPICAL LDSP  
EXISTING SECTIONS

PROJECT NO.  
153455  
DATE  
MAY 2017  
SHEET NO.  
103



NO.	DATE	REVISION DESCRIPTION
1	07/25/18	ADDED NEW TYP. SECTION & ACRES
2	03/16/18	PERMIT PLANS RE-ISSUED

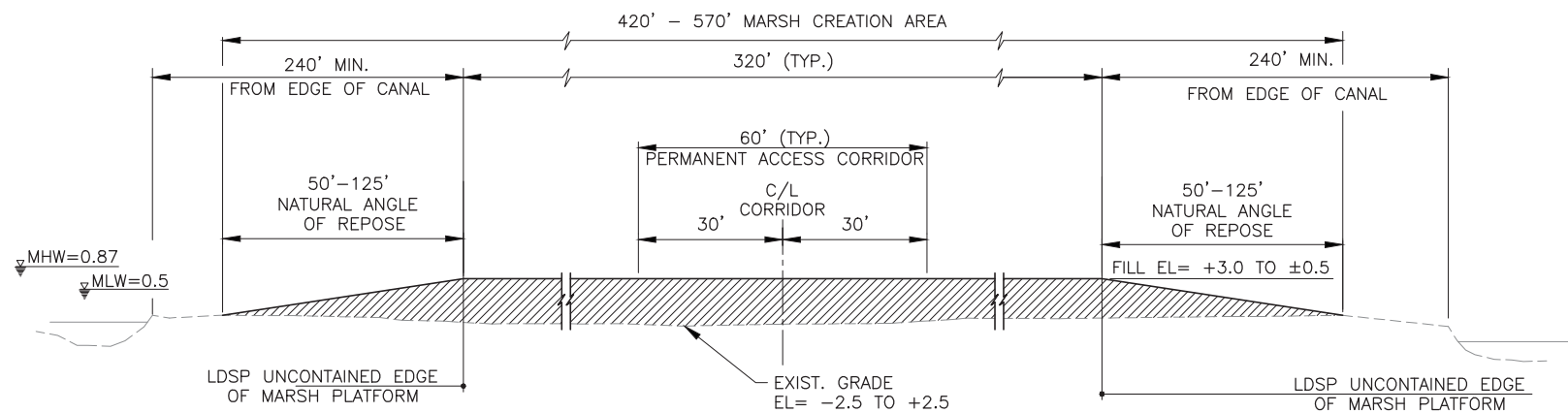
SCALE	DATE	TIME

DESIGNED	CHECKED	DETAILED	CHECKED

**APTIM**  
 THE METAIRIE CENTRE  
 1400 BOULEVARD AVENUE  
 SUITE 450  
 METAIRIE, LA 70003 504.832.4878

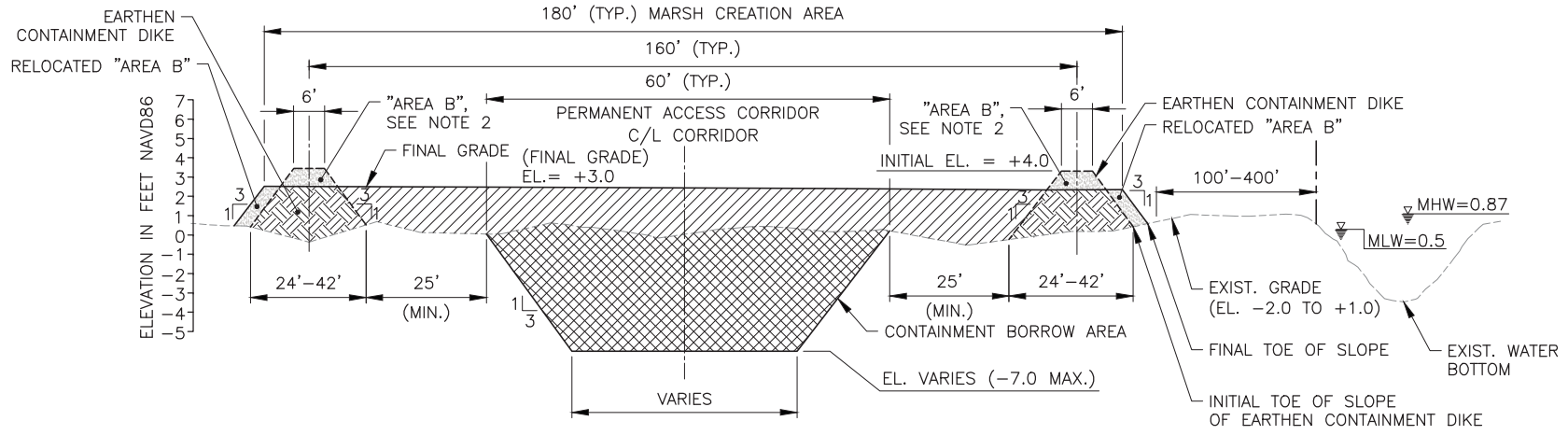
LONG DISTANCE SEDIMENT PIPELINE  
 WEST OF BARATARIA WATERWAY  
 TYPICAL SECTIONS

PROJECT NO.	153455
DATE	MAY 2017
SHEET NO.	104



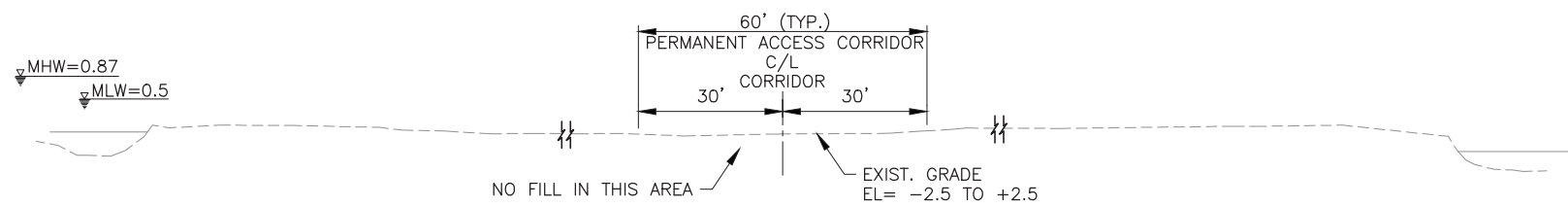
**TYPICAL LDSP SECTION 1**

STA. 580+00 TO 647+00 (59 ACRES)  
 STA. 898+25 TO 962+50 (63 ACRES)  $\Delta$   
 STA. 972+25 TO 1000+25 (27 ACRES)  
 STA. 1025+25 TO 1231+74.81 (189 ACRES)  
 N.T.S.



**TYPICAL LDSP SECTION 2**

STA. 647+00 TO 847+00 (89 ACRES)  
 STA. 861+25 TO 891+00 (14 ACRES)  $\Delta$   
 N.T.S.



**TYPICAL LDSP SECTION 3**

STA. 1231+74.81 TO STA. 1234+33.83  $\Delta$   
 N.T.S.

- NOTES:**
- EXISTING GROUND ELEVATIONS BASED ON LIDAR DATA.
  - THE CONTRACTOR SHALL MECHANICALLY RELOCATE "AREA B" MATERIAL TO THE LOCATION LABELED "RELOCATED AREA B" PRIOR TO DEMOBILIZATION.

**AIMS Group, Inc.**  
 Consulting Engineers  
 4421 Zenith Street  
 Metairie, LA 70001  
 Ph: 504.887.7045  
 Fax: 504.887.7088

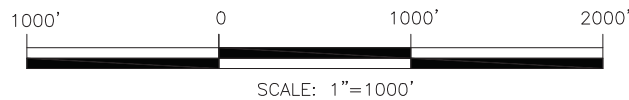
FOR PERMITTING ONLY - NOT FOR CONSTRUCTION

FOR PERMITTING ONLY - NOT FOR CONSTRUCTION

MATCHLINE STA. 105+00  
SEE SHEET 202



### PIPELINE CORRIDOR LAYOUT



NOTE:  
SEE SHEET 006 FOR IMAGERY DISCLAIMER CITATION PROVIDED BY THE REGIONAL PLANNING COMMISSION AND THE UNITED STATES DEPARTMENT OF AGRICULTURE (USDA).



NO.	DATE	REVISION DESCRIPTION	BY
1	03/16/18	PERMIT PLANS RE-ISSUED	SPL
2	07/25/18	CITATION NOTE REVISION	SPL

DESIGNED	CHECKED	SCALE
DETAILED	CHECKED	DATE
		TIME

DESIGNED	CHECKED
DETAILED	CHECKED

APTIM  
THE METAIRIE CENTRE  
1400 BOULEVARD AVENUE  
SUITE 450  
METAIRIE, LA 70003 504.832.4878



LONG DISTANCE SEDIMENT PIPELINE  
WEST OF BARATARIA WATERWAY  
PIPELINE CORRIDOR LAYOUT  
SHEETS (1 OF 6)

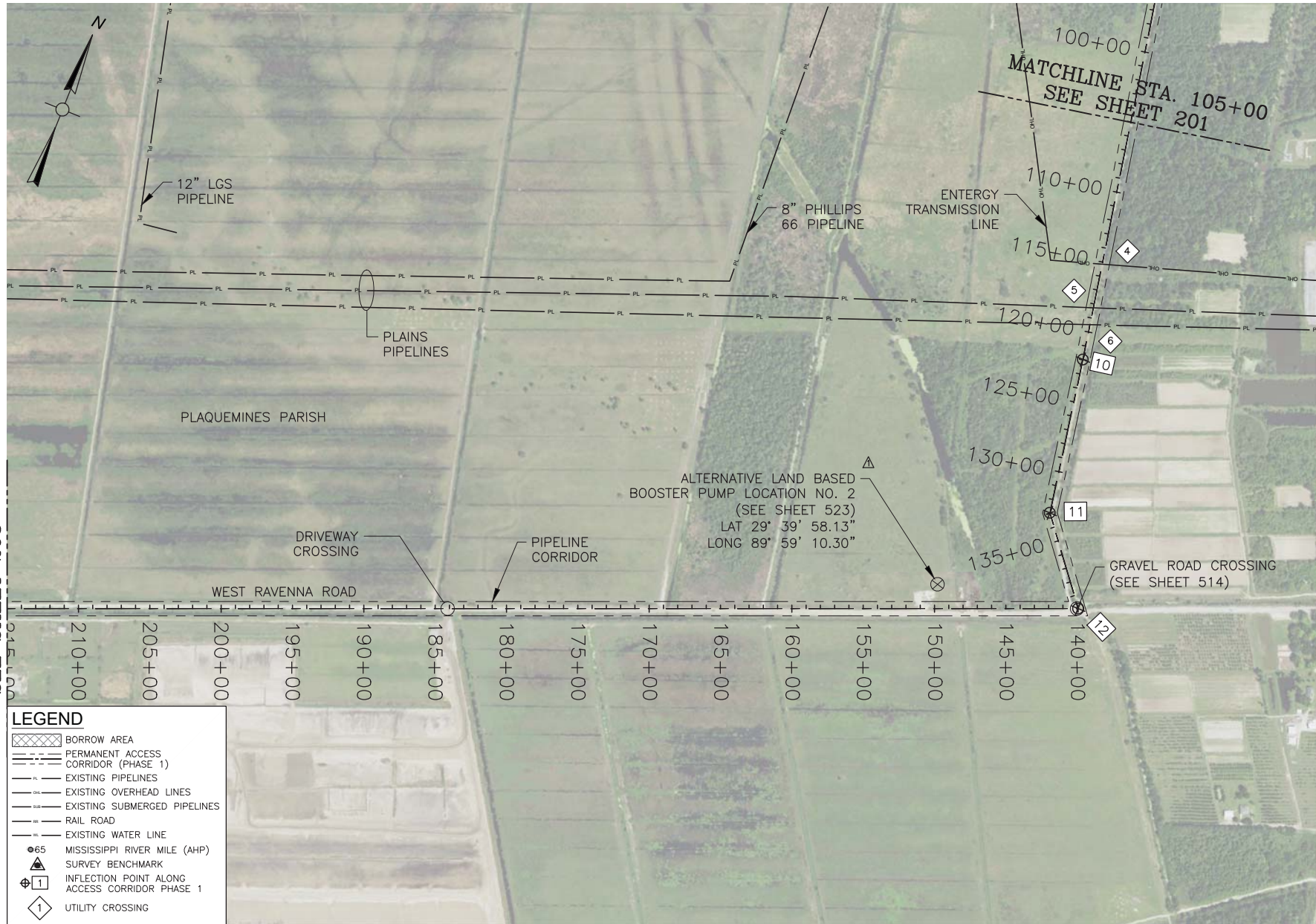
PROJECT NO.  
153455

DATE  
MAY 2017

SHEET NO.  
201

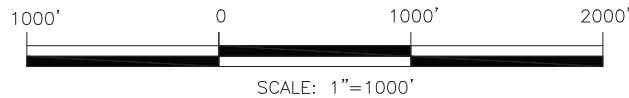
AIMS Group, Inc.  
Consulting Engineers  
4421 Zenith Street  
Metairie, LA 70001  
Ph: 504.887.7045  
Fax: 504.887.7088

MATCHLINE STA. 215+00  
SEE SHEET 203



LEGEND	
	BORROW AREA
	PERMANENT ACCESS CORRIDOR (PHASE 1)
	EXISTING PIPELINES
	EXISTING OVERHEAD LINES
	EXISTING SUBMERGED PIPELINES
	RAIL ROAD
	EXISTING WATER LINE
	MISSISSIPPI RIVER MILE (AHP)
	SURVEY BENCHMARK
	INFLECTION POINT ALONG ACCESS CORRIDOR PHASE 1
	UTILITY CROSSING

### PIPELINE CORRIDOR LAYOUT



NOTE:  
SEE SHEET 006 FOR IMAGERY DISCLAIMER CITATION PROVIDED BY THE REGIONAL PLANNING COMMISSION AND THE UNITED STATES DEPARTMENT OF AGRICULTURE (USDA).



NO.	DATE	REVISION DESCRIPTION
1	07/25/18	CITATION NOTE REVISION
2	03/16/18	PERMIT PLANS RE-ISSUED
3	03/15/18	BOOSTER PUMP LAT/LONG

DESIGNED	CHECKED	SCALE

DATE	TIME

**APTIM**  
 THE METAIRIE CENTRE  
 1000 BARATARIA AVE.  
 SUITE 450  
 METAIRIE, LA. 70003 504.832.4878

LONG DISTANCE SEDIMENT PIPELINE  
 WEST OF BARATARIA WATERWAY  
 PIPELINE CORRIDOR LAYOUT  
 SHEETS (2 OF 6)

PROJECT NO. 153455
DATE MAY 2017
SHEET NO. 202



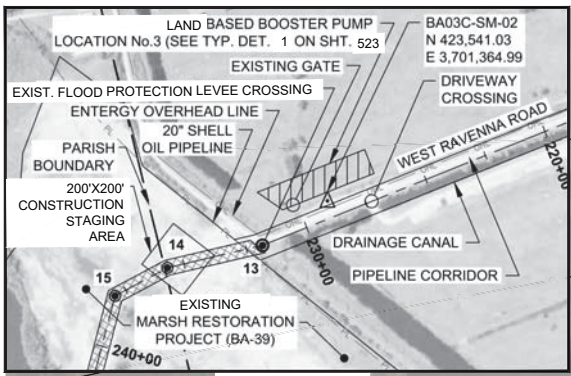
NO.	DATE	REVISION DESCRIPTION	BY
1	07/25/18	CITATION NOTE REVISION	SPL
2	03/16/18	PERMIT PLANS RE-ISSUED	SPL
3	03/15/18	BOOSTER PUMP LAT/LONG	SPL

DESIGNED	CHECKED	SCALE	DATE	TIME
DETAILED	CHECKED			

**APTIM**  
THE METABRE CENTRE  
1400 BOBROW AVE.  
SUITE 450  
METABRE, LA. 70003 504.832.4878

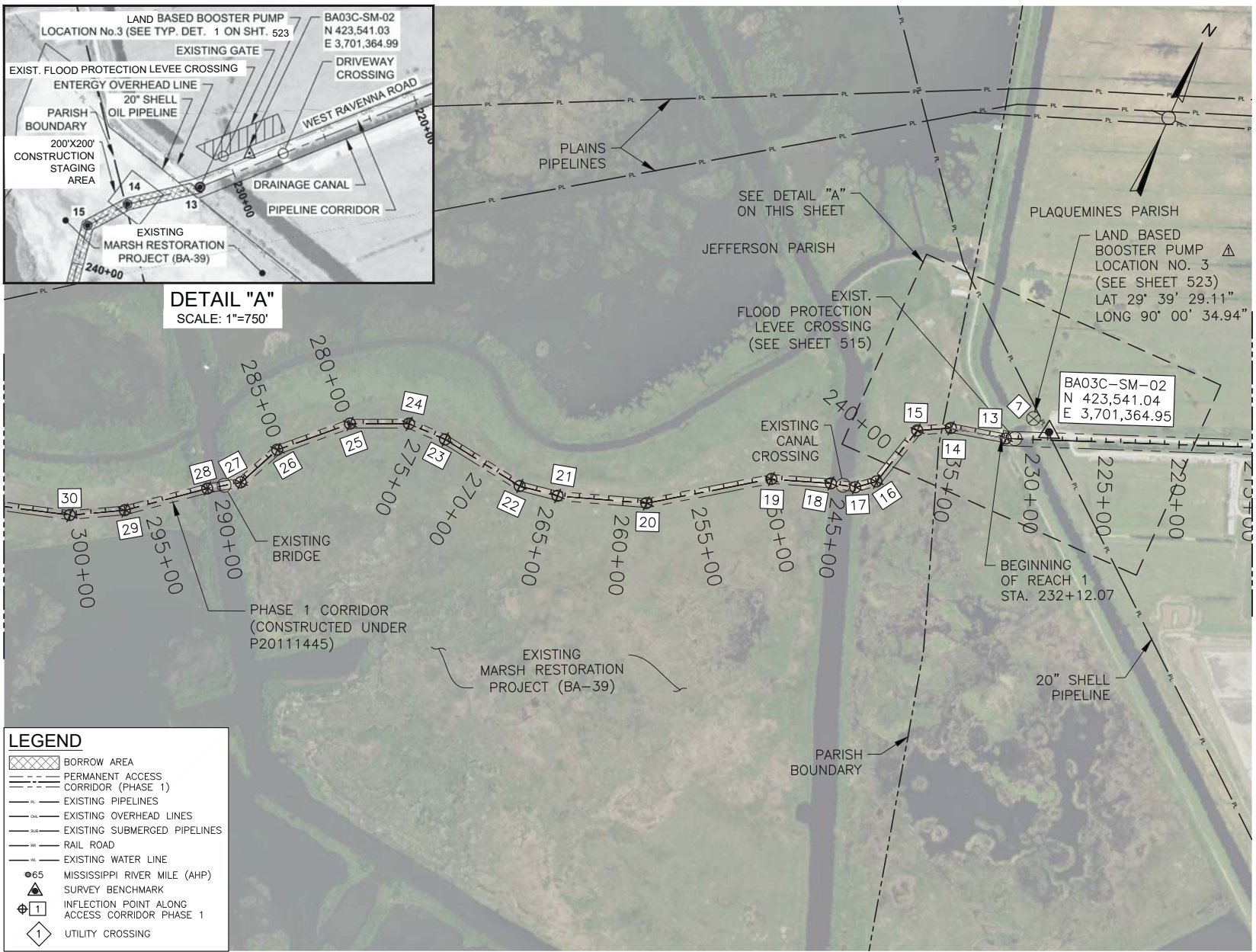
LONG DISTANCE SEDIMENT PIPELINE  
WEST OF BARATARIA WATERWAY  
PIPELINE CORRIDOR LAYOUT  
SHEETS (3 OF 6)

PROJECT NO. 153455
DATE MAY 2017
SHEET NO. 203



**DETAIL "A"**  
SCALE: 1"=750'

MATCHLINE STA. 305+00  
SEE SHEET 204

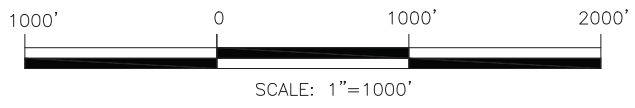


MATCHLINE STA. 215+00  
SEE SHEET 202

**LEGEND**

	BORROW AREA
	PERMANENT ACCESS CORRIDOR (PHASE 1)
	EXISTING PIPELINES
	EXISTING OVERHEAD LINES
	EXISTING SUBMERGED PIPELINES
	RAIL ROAD
	EXISTING WATER LINE
	MISSISSIPPI RIVER MILE (AHP)
	SURVEY BENCHMARK
	INFLECTION POINT ALONG ACCESS CORRIDOR PHASE 1
	UTILITY CROSSING

**PIPELINE CORRIDOR LAYOUT**



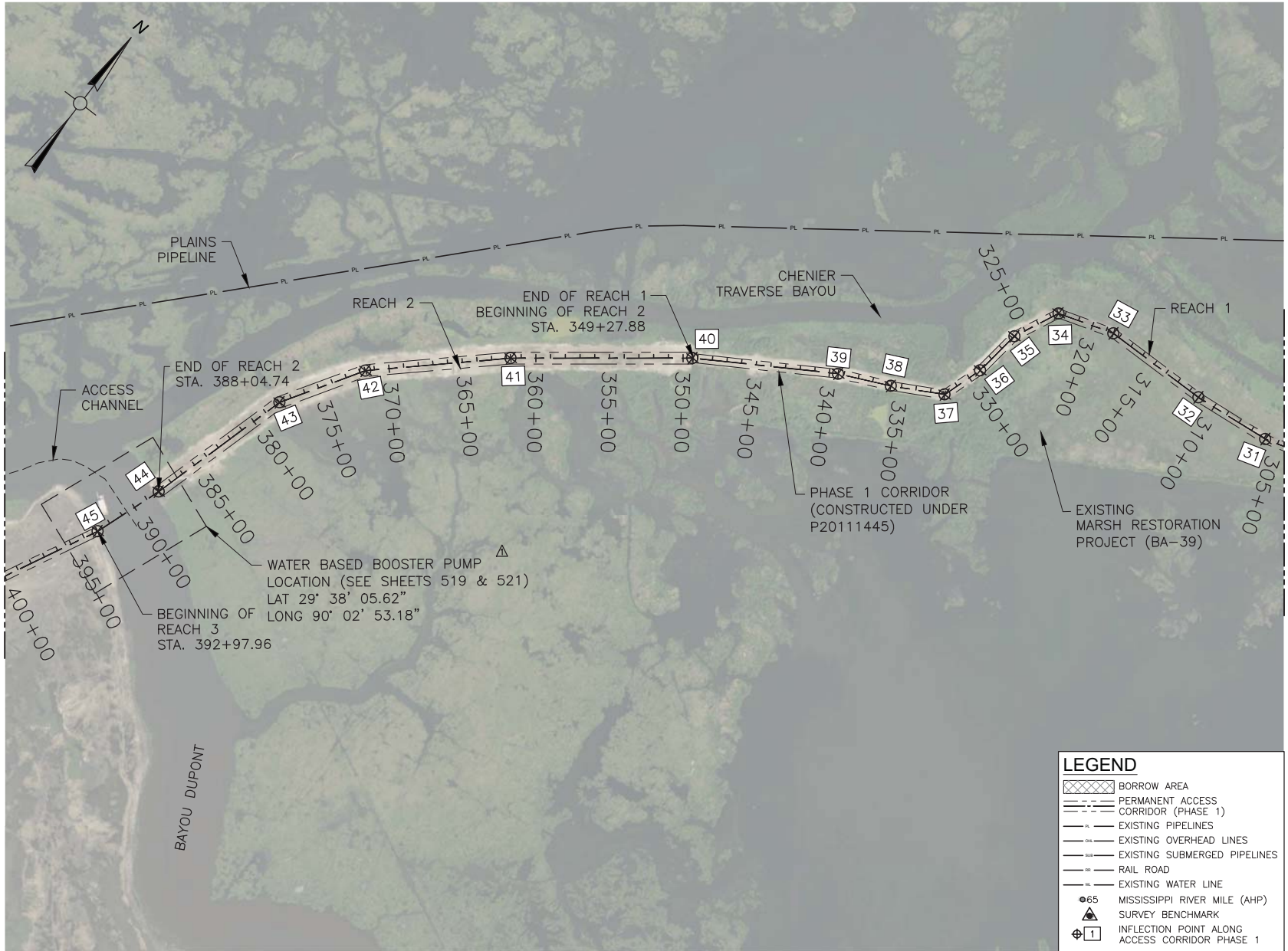
**NOTE:**  
SEE SHEET 006 FOR IMAGERY DISCLAIMER CITATION PROVIDED BY THE REGIONAL PLANNING COMMISSION AND THE UNITED STATES DEPARTMENT OF AGRICULTURE (USDA).

**AIMS Group, Inc.**  
Consulting Engineers  
4421 Zenith Street  
Metairie, LA 70001  
Ph. 504.887.7045  
Fax. 504.887.7088



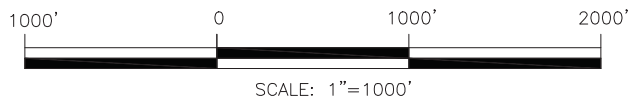
FOR PERMITTING ONLY - NOT FOR CONSTRUCTION

MATCHLINE STA. 400+00  
SEE SHEET 205



MATCHLINE STA. 305+00  
SEE SHEET 203

### PIPELINE CORRIDOR LAYOUT



LEGEND	
	BORROW AREA
	PERMANENT ACCESS CORRIDOR (PHASE 1)
	EXISTING PIPELINES
	EXISTING OVERHEAD LINES
	EXISTING SUBMERGED PIPELINES
	RAIL ROAD
	EXISTING WATER LINE
	MISSISSIPPI RIVER MILE (AHP)
	SURVEY BENCHMARK
	INFLECTION POINT ALONG ACCESS CORRIDOR PHASE 1

NOTE:  
SEE SHEET 006 FOR IMAGERY DISCLAIMER CITATION PROVIDED BY THE REGIONAL PLANNING COMMISSION AND THE UNITED STATES DEPARTMENT OF AGRICULTURE (USDA).



NO.	DATE	REVISION DESCRIPTION	BY
1	07/25/18	CITATION NOTE REVISION	SPL
2	03/16/18	PERMIT PLANS RE-ISSUED	SPL
3	03/15/18	BOOSTER PUMP LAT/LONG	SPL

DESIGNED	CHECKED	SCALE

DATE	TIME

APTIM  
THE METAIRIE CENTRE  
1400 BOBROW AVE.  
SUITE 400  
METAIRIE, LA. 70003 504.832.4878



LONG DISTANCE SEDIMENT PIPELINE  
WEST OF BARATARIA WATERWAY  
PIPELINE CORRIDOR LAYOUT  
SHEETS (4 OF 6)

PROJECT NO.  
153455

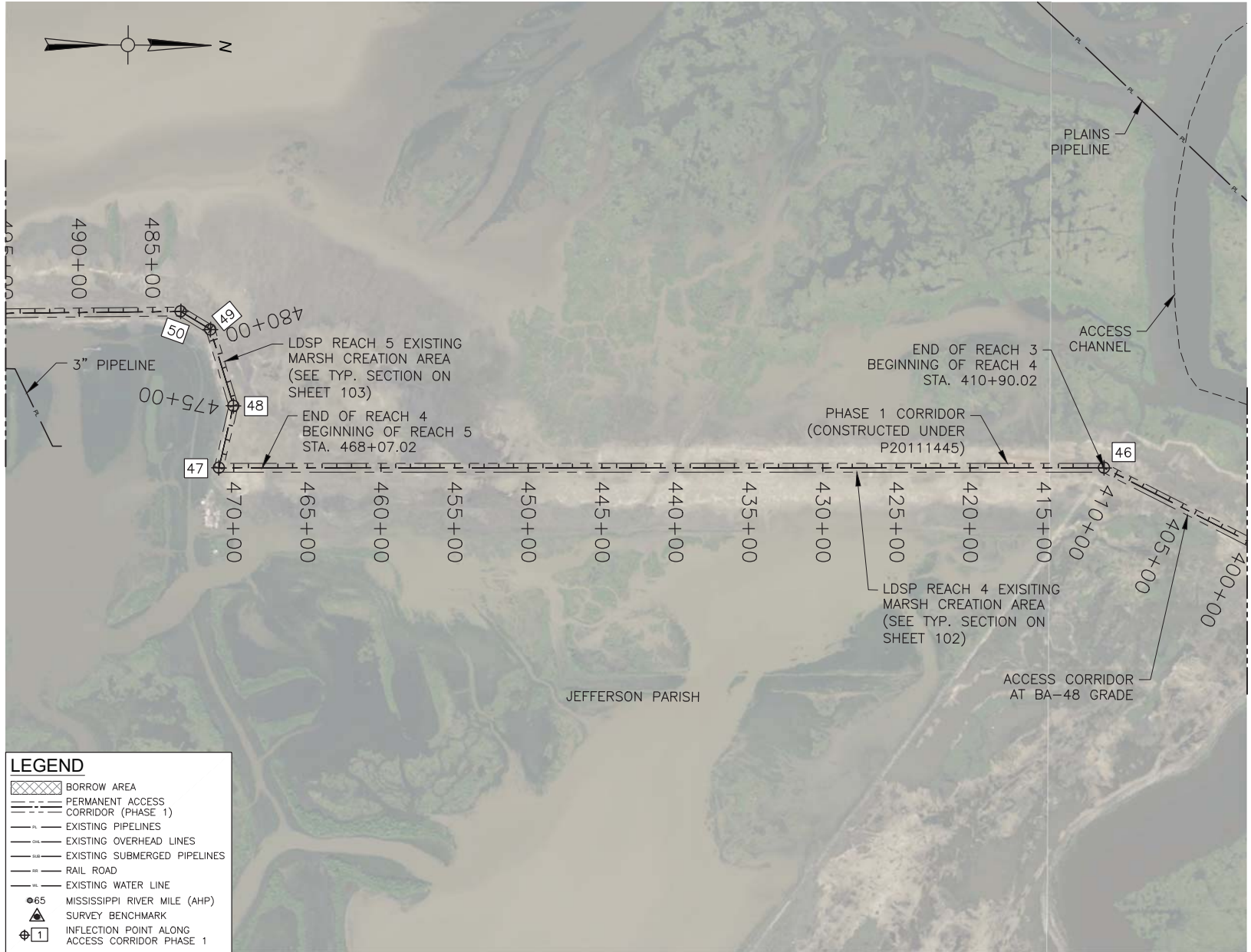
DATE  
MAY 2017

SHEET NO.  
204

AIMS Group, Inc.  
Consulting Engineers  
4421 Zenith Street  
Metairie, LA 70001  
Ph: 504.887.7045  
Fax: 504.887.7088

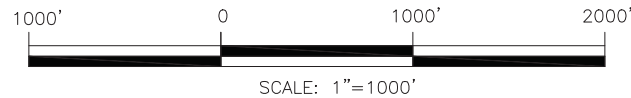
FOR PERMITTING ONLY - NOT FOR CONSTRUCTION

MATCHLINE STA. 495+00  
SEE SHEET 206



LEGEND	
	BORROW AREA
	PERMANENT ACCESS CORRIDOR (PHASE 1)
	EXISTING PIPELINES
	EXISTING OVERHEAD LINES
	EXISTING SUBMERGED PIPELINES
	RAIL ROAD
	EXISTING WATER LINE
	MISSISSIPPI RIVER MILE (AHP)
	SURVEY BENCHMARK
	INFLECTION POINT ALONG ACCESS CORRIDOR PHASE 1

### PIPELINE CORRIDOR LAYOUT



NOTE:  
SEE SHEET 006 FOR IMAGERY DISCLAIMER CITATION PROVIDED BY THE REGIONAL PLANNING COMMISSION AND THE UNITED STATES DEPARTMENT OF AGRICULTURE (USDA).

MATCHLINE STA. 400+00  
SEE SHEET 204



NO.	DATE	REVISION DESCRIPTION	SPL	BY
1	07/25/18	CITATION NOTE REVISION	SPL	
2	03/16/18	PERMIT PLANS RE-ISSUED	SPL	

DESIGNED	CHECKED	SCALE	DATE	TIME
DETAILED	CHECKED			

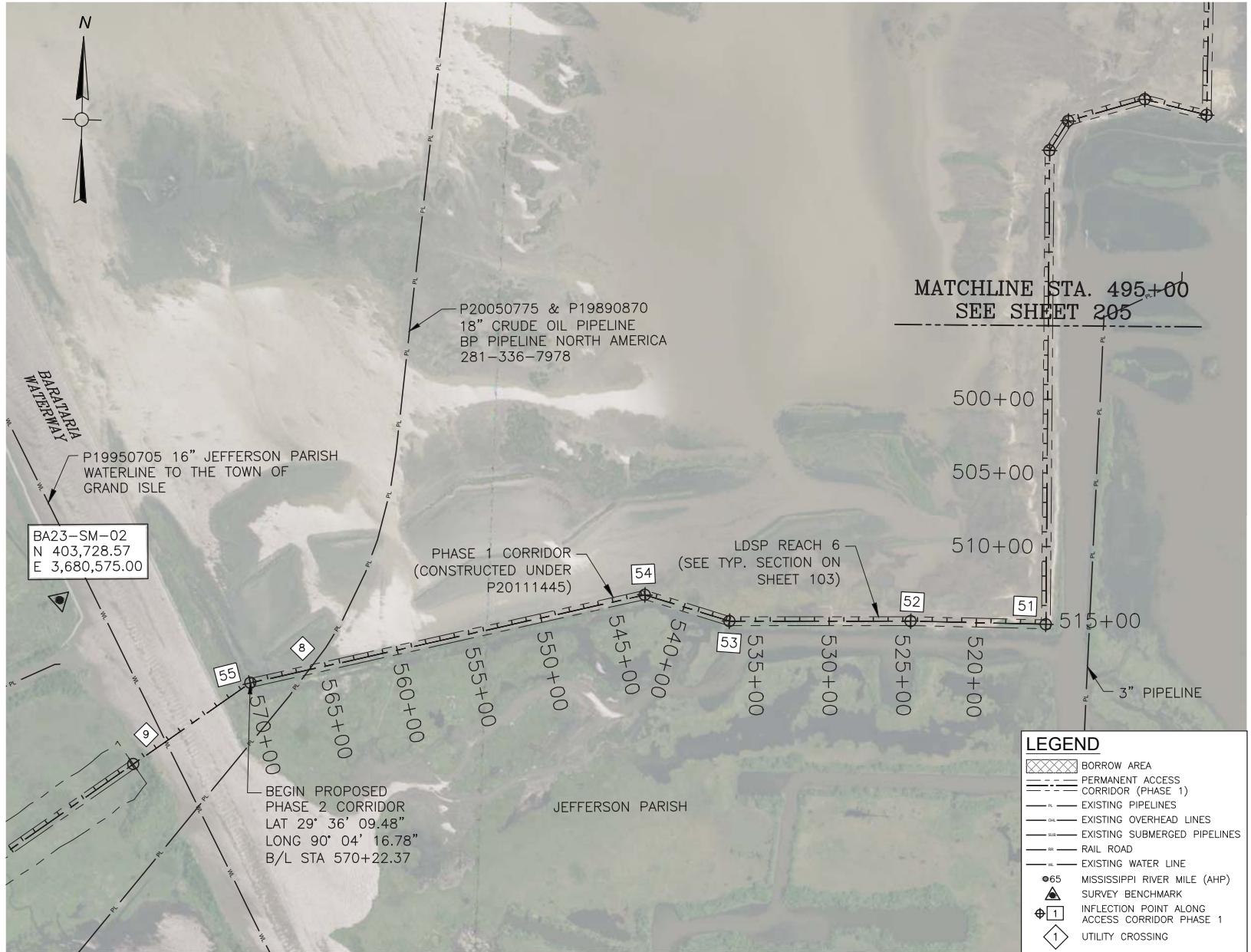
APTIM  
THE METAIRIE CENTRE  
1400 BOBROW AVE.  
SUITE 450  
METAIRIE, LA. 70003 504.832.4878

LONG DISTANCE SEDIMENT PIPELINE  
WEST OF BARATARIA WATERWAY  
PIPELINE CORRIDOR LAYOUT  
SHEETS (5 OF 6)

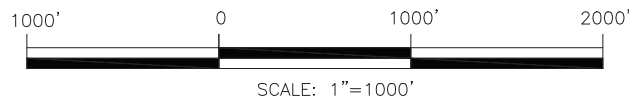
PROJECT NO. 153455
DATE MAY 2017
SHEET NO. 205

AIMS Group, Inc.  
Consulting Engineers  
4421 Zenith Street  
Metairie, LA 70001  
Ph: 504.887.7045  
Fax: 504.887.7088

FOR PERMITTING ONLY - NOT FOR CONSTRUCTION



### PIPELINE CORRIDOR LAYOUT



**NOTE:**  
SEE SHEET 006 FOR IMAGERY DISCLAIMER CITATION PROVIDED BY THE REGIONAL PLANNING COMMISSION AND THE UNITED STATES DEPARTMENT OF AGRICULTURE (USDA).



NO.	DATE	REVISION DESCRIPTION	SPL	BY
1	03/16/18	PERMIT PLANS RE-ISSUED	SPL	
2	07/25/18	CITATION NOTE REVISION	SPL	

DESIGNED	CHECKED	SCALE	DATE	TIME
DETAILED	CHECKED			

**APTIM**  
THE METAIRIE CENTRE  
1000 BOBROW AVE.  
SUITE 450  
METAIRIE, LA. 70003 504.832.4878

LONG DISTANCE SEDIMENT PIPELINE  
WEST OF BARATARIA WATERWAY  
PIPELINE CORRIDOR LAYOUT  
SHEETS (6 OF 6)

PROJECT NO. 153455
DATE MAY 2017
SHEET NO. 206

**AIMS Group, Inc.**  
Consulting Engineers  
4421 Zenith Street  
Metairie, LA 70001  
Ph: 504.887.7045  
Fax: 504.887.7088

FOR PERMITTING ONLY - NOT FOR CONSTRUCTION



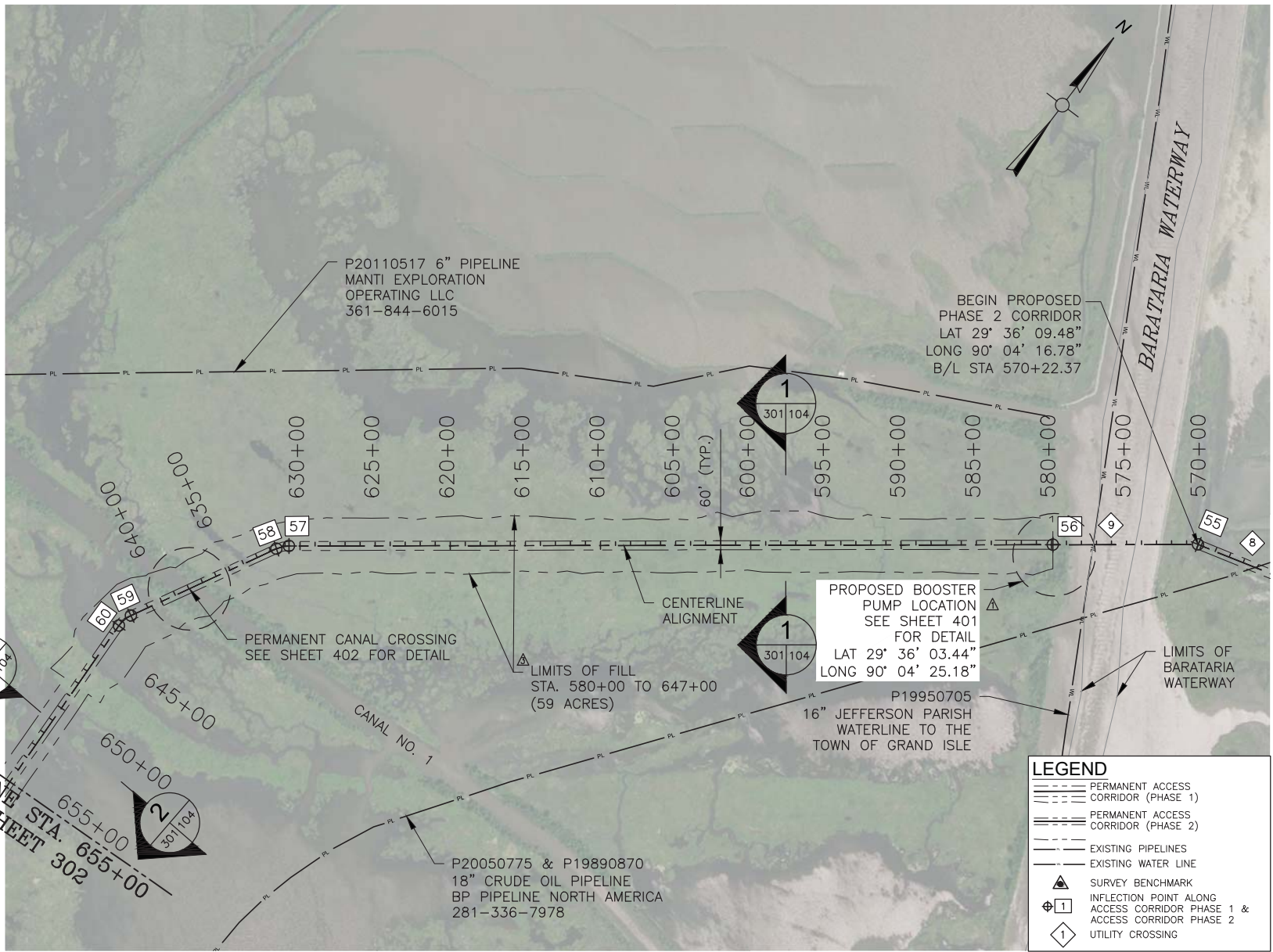
NO.	DATE	REVISION DESCRIPTION	BY
1	07/25/18	REVISED CITATION & ADDED ACRES	SPL
2	03/16/18	PERMIT PLANS RE-ISSUED	SPL
3	03/15/18	BOOSTER PUMP LAT/LONG	SPL

DESIGNED	CHECKED	SCALE	
DETAILED	CHECKED	DATE	TIME

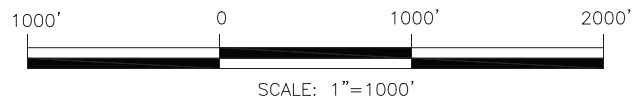
**APTIM**  
THE METAIRIE CENTRE  
1000 BOGARD AVENUE  
SUITE 450  
METAIRIE, LA. 70003 504.832.4878

LONG DISTANCE SEDIMENT PIPELINE  
WEST OF BARATARIA WATERWAY  
PIPELINE CORRIDOR LAYOUT  
SHEETS (1 OF 7)

PROJECT NO. 153455
DATE MAY 2017
SHEET NO. <b>301</b>



### PIPELINE CORRIDOR LAYOUT



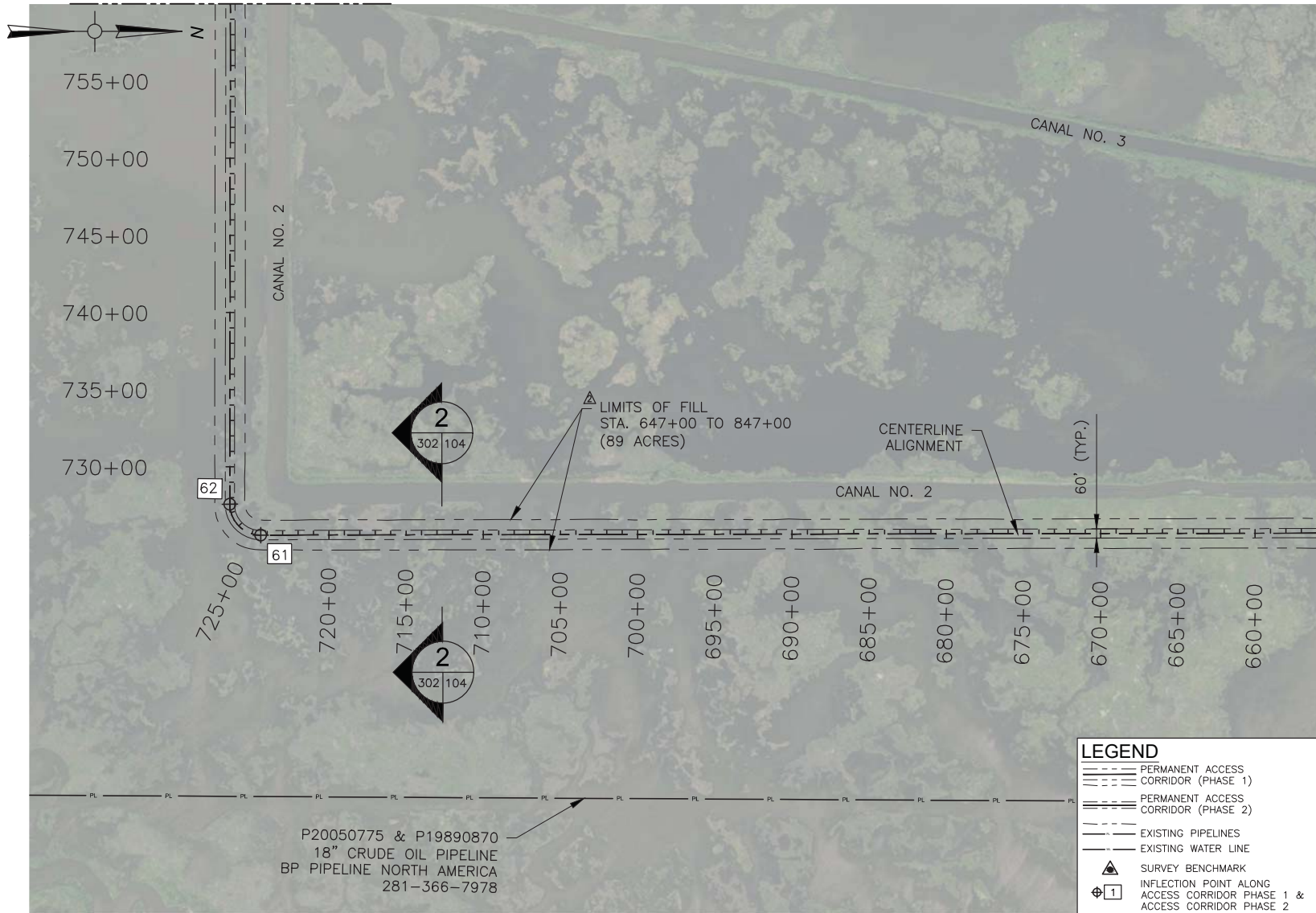
NOTE: SEE SHEET 403 FOR BARATARIA WATERWAY CROSSING.

NOTE:  
SEE SHEET 006 FOR IMAGERY DISCLAIMER CITATION PROVIDED BY THE REGIONAL PLANNING COMMISSION AND THE UNITED STATES DEPARTMENT OF AGRICULTURE (USDA).

**AIMS Group, Inc.**  
Consulting Engineers  
4421 Zenith Street  
Metairie, LA 70001  
Ph. 504.887.7045  
Fax. 504.887.7088

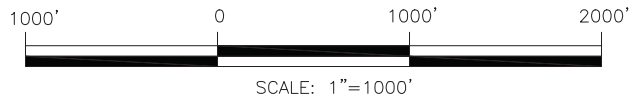
FOR PERMITTING ONLY - NOT FOR CONSTRUCTION

MATCHLINE STA. 760+00  
SEE SHEET 303



MATCHLINE STA. 655+00  
SEE SHEET 301

### PIPELINE CORRIDOR LAYOUT



NOTE:  
SEE SHEET 006 FOR IMAGERY DISCLAIMER CITATION PROVIDED BY THE REGIONAL PLANNING COMMISSION AND THE UNITED STATES DEPARTMENT OF AGRICULTURE (USDA).



NO.	DATE	REVISION DESCRIPTION	SPL	BY
1	07/25/18	REVISED CITATION & ADDED ACRES		
2	03/16/18	PERMIT PLANS RE-ISSUED		

DESIGNED	CHECKED	SCALE

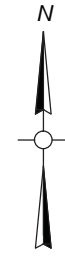
DATE	TIME	DETAILED	CHECKED

APTIM  
THE METAIRIE CENTRE  
METAIRIE AVENUE  
SUITE 450  
METAIRIE, LA. 70003 504.832.4878

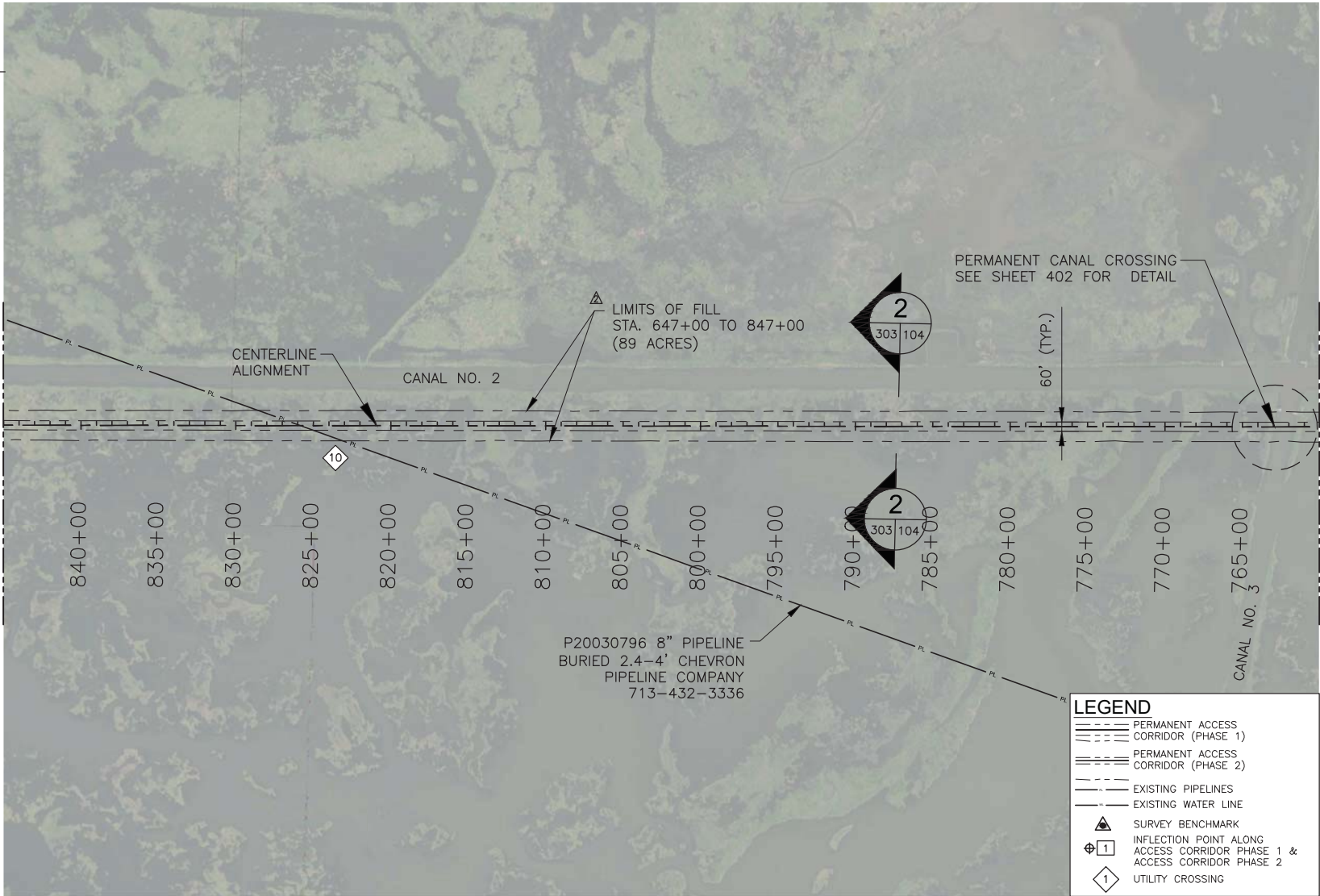
LONG DISTANCE SEDIMENT PIPELINE  
WEST OF BARATARIA WATERWAY  
PIPELINE CORRIDOR LAYOUT  
SHEETS (2 OF 7)

PROJECT NO. 153455
DATE MAY 2017
SHEET NO. 302

FOR PERMITTING ONLY - NOT FOR CONSTRUCTION

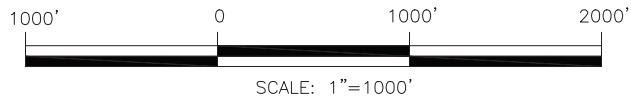


MATCHLINE STA. 845+00  
SEE SHEET 304



MATCHLINE STA. 760+00  
SEE SHEET 302

### PIPELINE CORRIDOR LAYOUT



LEGEND	
	PERMANENT ACCESS CORRIDOR (PHASE 1)
	PERMANENT ACCESS CORRIDOR (PHASE 2)
	EXISTING PIPELINES
	EXISTING WATER LINE
	SURVEY BENCHMARK
	INFLECTION POINT ALONG ACCESS CORRIDOR PHASE 1 & ACCESS CORRIDOR PHASE 2
	UTILITY CROSSING

NOTE:  
SEE SHEET 006 FOR IMAGERY DISCLAIMER CITATION PROVIDED BY THE REGIONAL PLANNING COMMISSION AND THE UNITED STATES DEPARTMENT OF AGRICULTURE (USDA).



NO.	DATE	REVISION DESCRIPTION	BY
1	07/25/18	REVISED CITATION & ADDED ACRES	SPL
2	03/16/18	PERMIT PLANS RE-ISSUED	SPL

DESIGNED	CHECKED	SCALE
<input type="checkbox"/>	<input type="checkbox"/>	
DETAILED	CHECKED	DATE
<input type="checkbox"/>	<input type="checkbox"/>	
		TIME

APTIM  
THE METAIRIE CENTRE  
1000 BOBROW AVE.  
SUITE 450  
METAIRIE, LA. 70003 504.832.4878

LONG DISTANCE SEDIMENT PIPELINE  
WEST OF BARATARIA WATERWAY  
PIPELINE CORRIDOR LAYOUT  
SHEETS (3 OF 7)

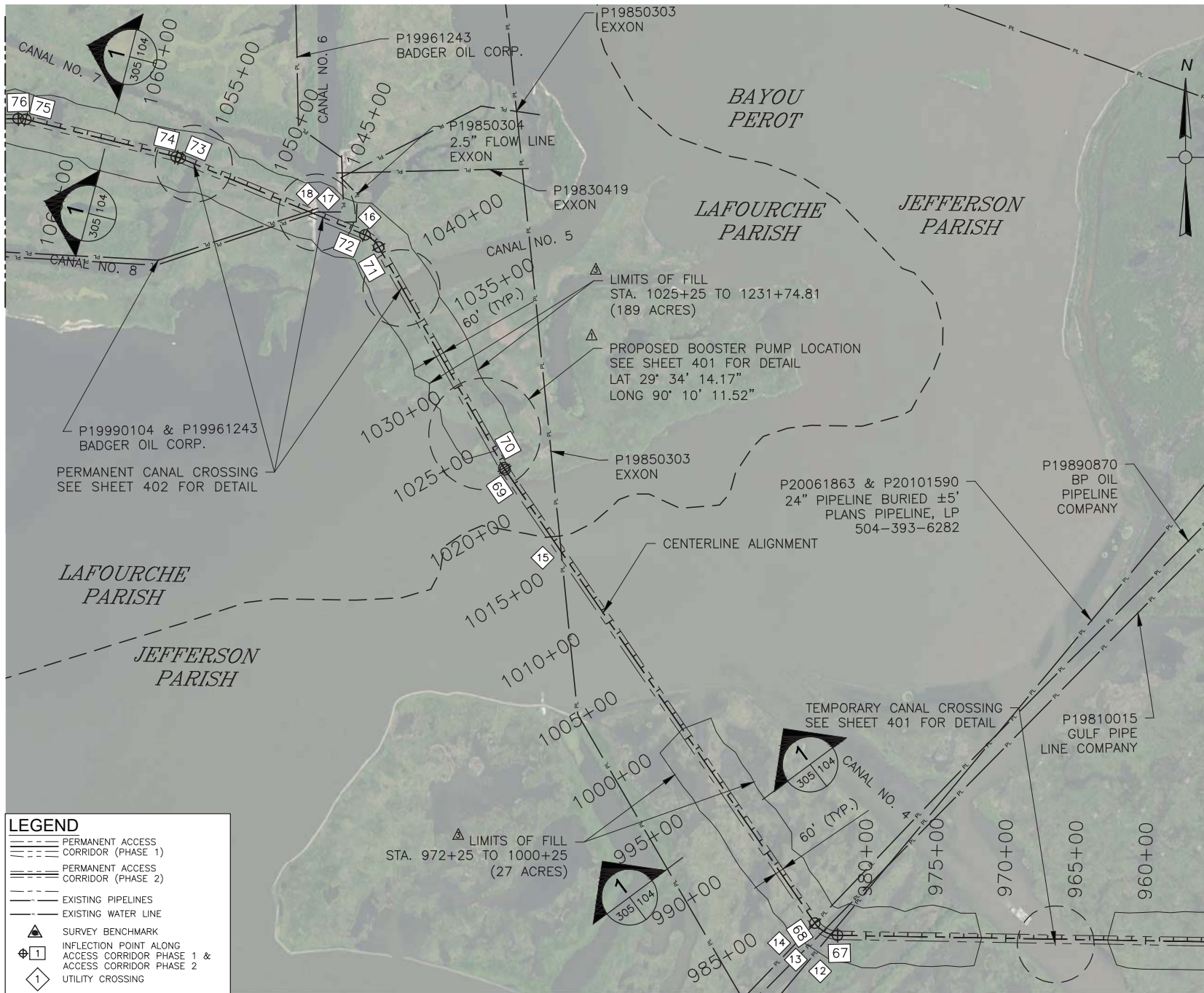
PROJECT NO. 153455
DATE MAY 2017
SHEET NO. 303

AIMS Group, Inc.  
Consulting Engineers  
4421 Zenith Street  
Metairie, LA 70001  
Ph: 504.887.7045  
Fax: 504.887.7088



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MATCHLINE STA. 1070+00  
SEE SHEET 306



### PIPELINE CORRIDOR LAYOUT

NOTE: SEE SHEET 405 FOR BAYOU PEROT CROSSING.

MATCHLINE STA. 955+00  
SEE SHEET 304



NO.	DATE	REVISION DESCRIPTION	SPL	BY
1	07/25/18	REVISED CITATION & ADDED ACRES	SPL	
2	03/16/18	PERMIT PLANS RE-ISSUED	SPL	
3	03/15/18	BOOSTER PUMP LAT/LONG	SPL	

DESIGNED	CHECKED	SCALE	DATE	TIME
DETAILED	CHECKED			

**APTIM**  
THE METAIRIE CENTRE  
1400 BARATARIA AVE.  
SUITE 450  
METAIRIE, LA. 70003 504.832.4878

LONG DISTANCE SEDIMENT PIPELINE  
WEST OF BARATARIA WATERWAY

PIPELINE CORRIDOR LAYOUT  
SHEETS (5 OF 7)

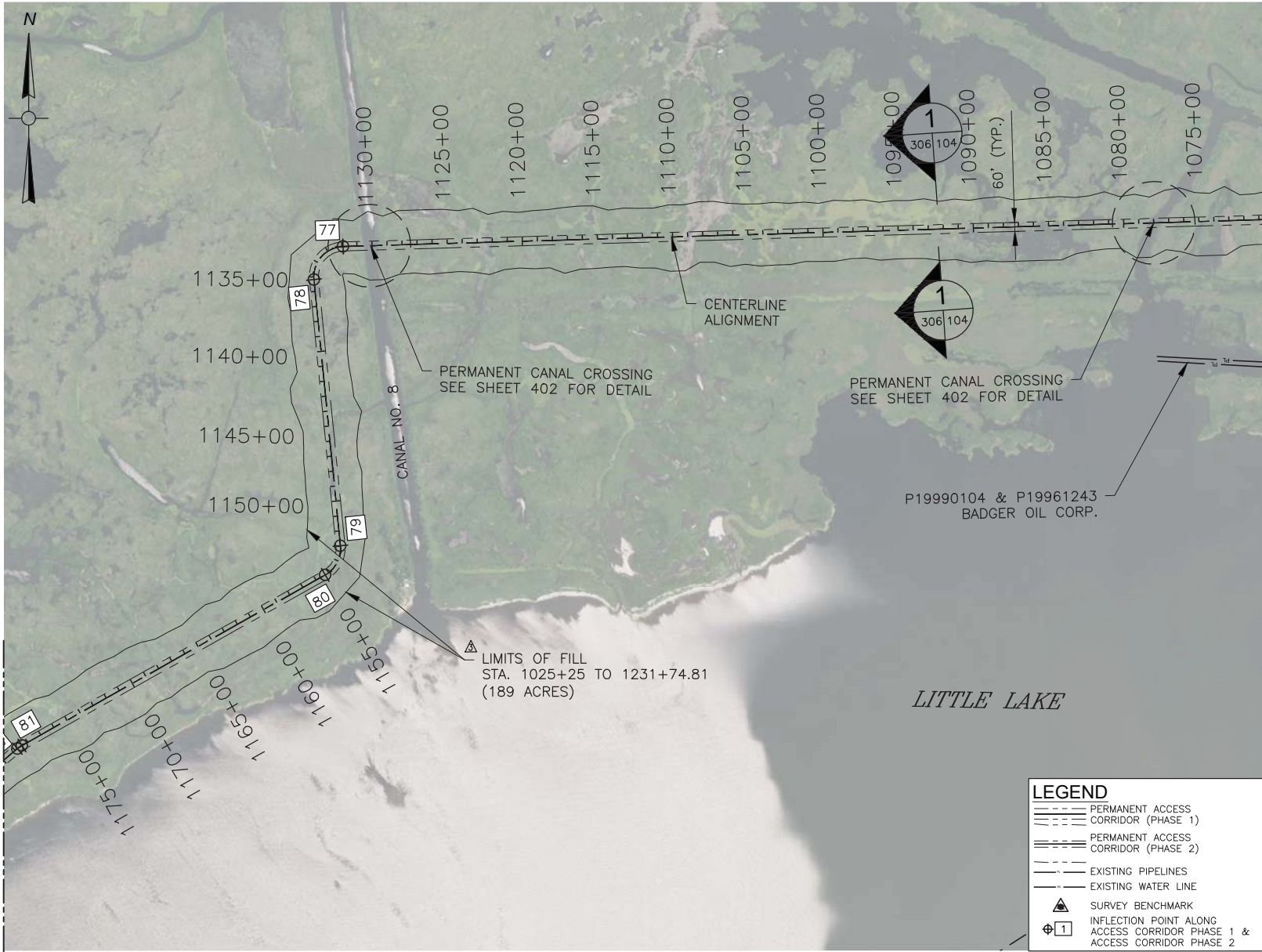
PROJECT NO.	153455
DATE	MAY 2017
SHEET NO.	305

**AIMS Group, Inc.**  
Consulting Engineers  
4421 Zenith Street  
Metairie, LA 70001  
Ph: 504.887.7045  
Fax: 504.887.7088

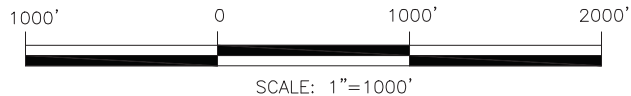


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MATCHLINE STA. 1180+00  
SEE SHEET 307



### PIPELINE CORRIDOR LAYOUT



LEGEND	
	PERMANENT ACCESS CORRIDOR (PHASE 1)
	PERMANENT ACCESS CORRIDOR (PHASE 2)
	EXISTING PIPELINES
	EXISTING WATER LINE
	SURVEY BENCHMARK
	INFLECTION POINT ALONG ACCESS CORRIDOR PHASE 1 & ACCESS CORRIDOR PHASE 2

NOTE:  
SEE SHEET 006 FOR IMAGERY DISCLAIMER CITATION PROVIDED BY THE REGIONAL PLANNING COMMISSION AND THE UNITED STATES DEPARTMENT OF AGRICULTURE (USDA).

MATCHLINE STA. 1070+00  
SEE SHEET 305



NO.	DATE	REVISION DESCRIPTION	SPL	BY
1	07/25/18	REVISED CITATION & ADDED ACRES		
2	03/16/18	PERMIT PLANS RE-ISSUED		

DESIGNED	CHECKED	SCALE

DATE	TIME

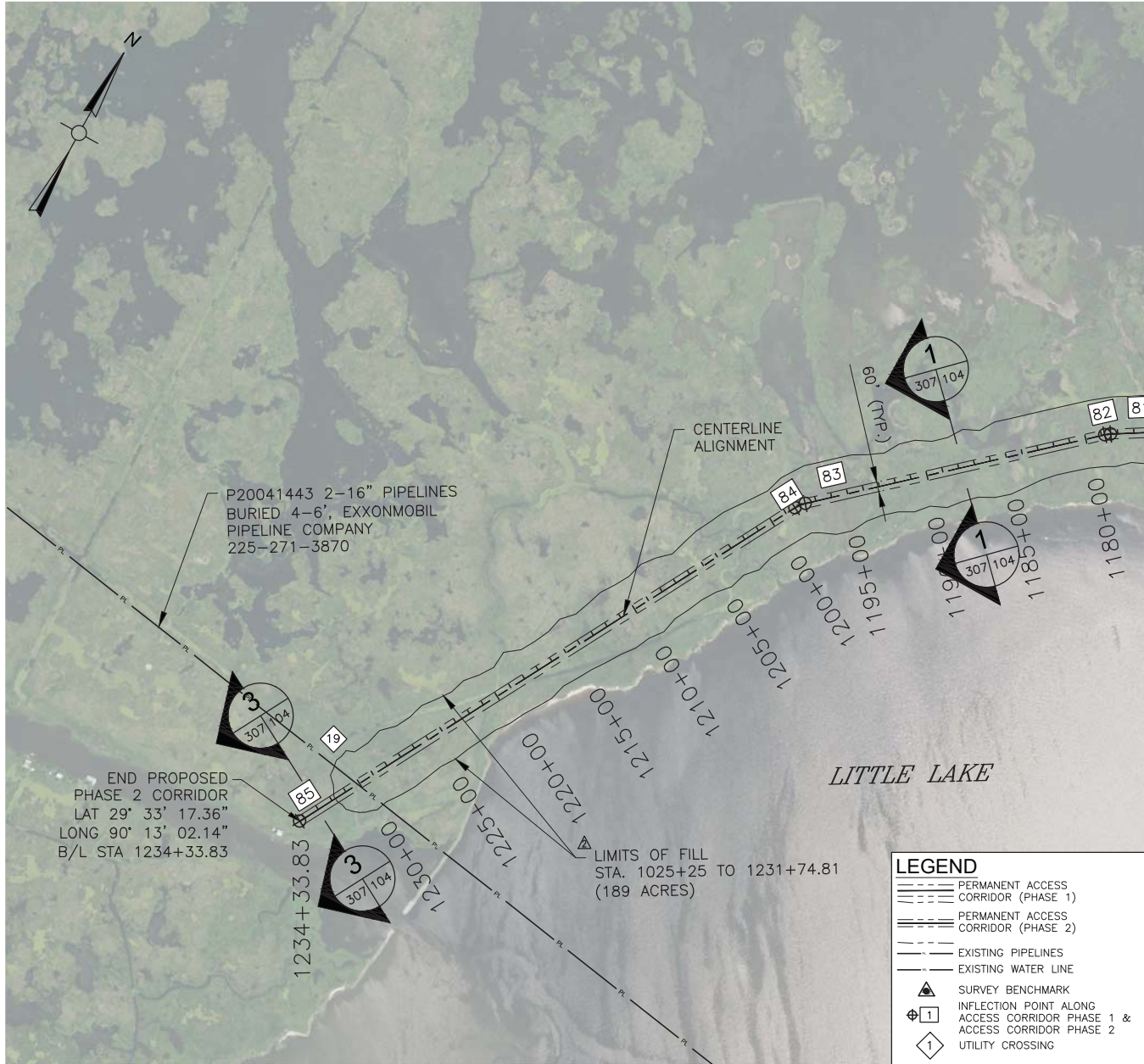
APTIM  
THE METABRIC CENTRE  
1400 BOBROW AVE.  
SUITE 450  
METABRIC, LA. 70001 504.832.4878

LONG DISTANCE SEDIMENT PIPELINE  
WEST OF BARATARIA WATERWAY  
PIPELINE CORRIDOR LAYOUT  
SHEETS (6 OF 7)

PROJECT NO. 153455
DATE MAY 2017
SHEET NO. <b>306</b>

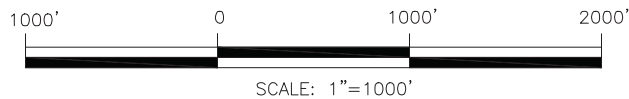
AIMS Group, Inc.  
Consulting Engineers  
4421 Zenith Street  
Metairie, LA 70001  
Ph: 504.887.7045  
Fax: 504.887.7088

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MATCHLINE STA. 1180+00  
SEE SHEET 306

### PIPELINE CORRIDOR LAYOUT



LEGEND	
	PERMANENT ACCESS CORRIDOR (PHASE 1)
	PERMANENT ACCESS CORRIDOR (PHASE 2)
	EXISTING PIPELINES
	EXISTING WATER LINE
	SURVEY BENCHMARK
	INFLECTION POINT ALONG ACCESS CORRIDOR PHASE 1 & ACCESS CORRIDOR PHASE 2
	UTILITY CROSSING

**NOTE:**  
SEE SHEET 006 FOR IMAGERY DISCLAIMER CITATION PROVIDED BY THE REGIONAL PLANNING COMMISSION AND THE UNITED STATES DEPARTMENT OF AGRICULTURE (USDA).



NO.	DATE	REVISION DESCRIPTION	SPL	BY
1	07/25/18	REVISED CITATION & ADDED ACRES		
2	03/16/18	PERMIT PLANS RE-ISSUED		

DESIGNED	CHECKED	SCALE

DATE	TIME

**APTIM**  
 THE METAIRIE CENTRE  
 4421 ZENITH STREET  
 SUITE 450  
 METAIRIE, LA. 70003 504.832.4878

LONG DISTANCE SEDIMENT PIPELINE  
 WEST OF BARATARIA WATERWAY  
 PIPELINE CORRIDOR LAYOUT  
 SHEETS (7 OF 7)

PROJECT NO. 153455
DATE MAY 2017
SHEET NO. 307

**AIMS Group, Inc.**  
 Consulting Engineers  
 4421 Zenith Street  
 Metairie, LA 70001  
 Ph. 504.887.7045  
 Fax. 504.887.7088



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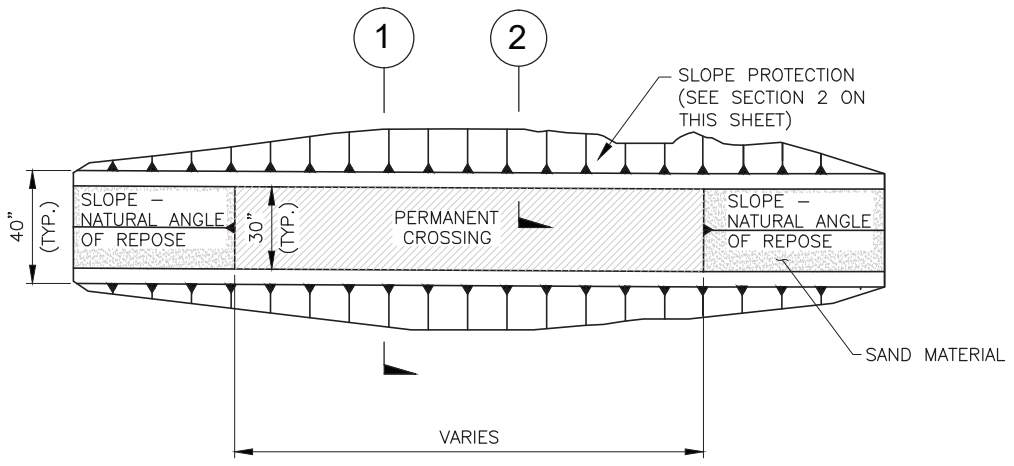
NO.	DATE	PERMIT PLANS RE-ISSUED	SPR	BY
1	03/16/18			
		REVISION DESCRIPTION		

DESIGNED	CHECKED	DATE	SCALE
DETAILED	CHECKED	TIME	

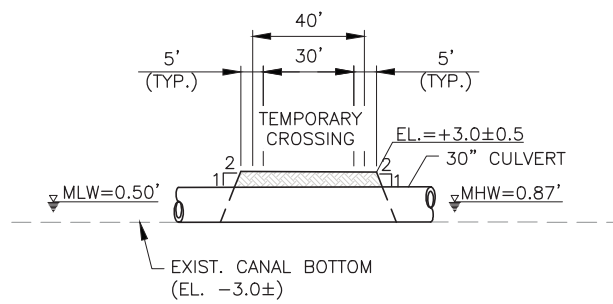
**APTIM**  
 THE METAIRIE CENTRE  
 1400 BOGARD AVENUE  
 SUITE 400  
 METAIRIE, LA. 70003 504.832.4878

LONG DISTANCE SEDIMENT PIPELINE  
 WEST OF BARATARIA WATERWAY  
 PERMANENT CROSSING DETAIL

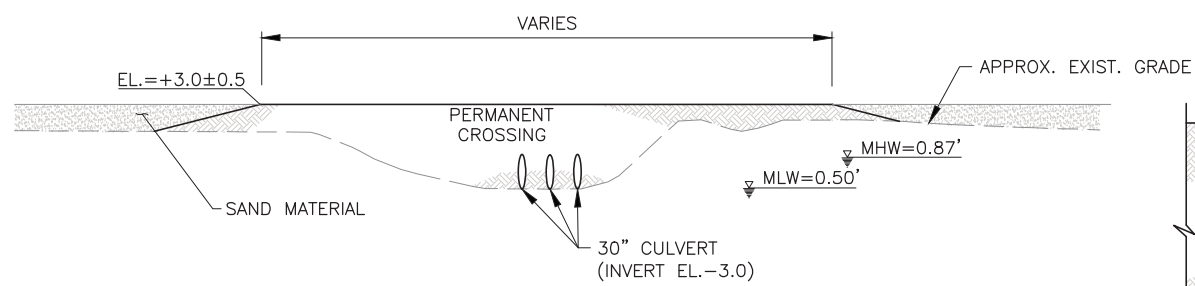
PROJECT NO.	153455
DATE	MAY 2017
SHEET NO.	402



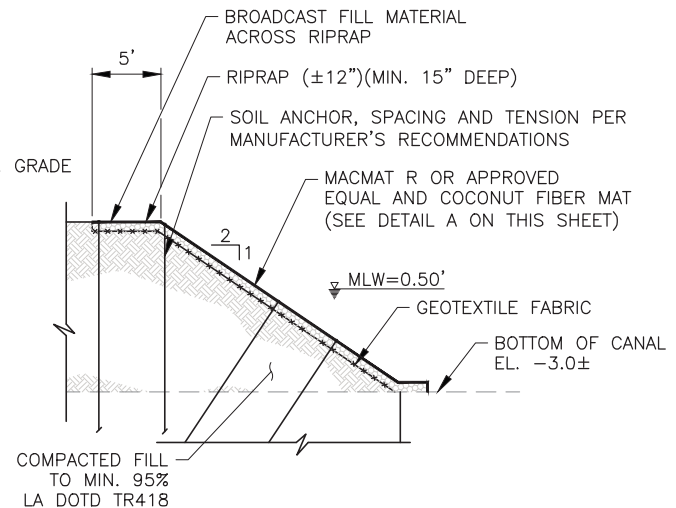
**PLAN**  
N.T.S.



**TYPICAL SECTION 1**  
N.T.S.



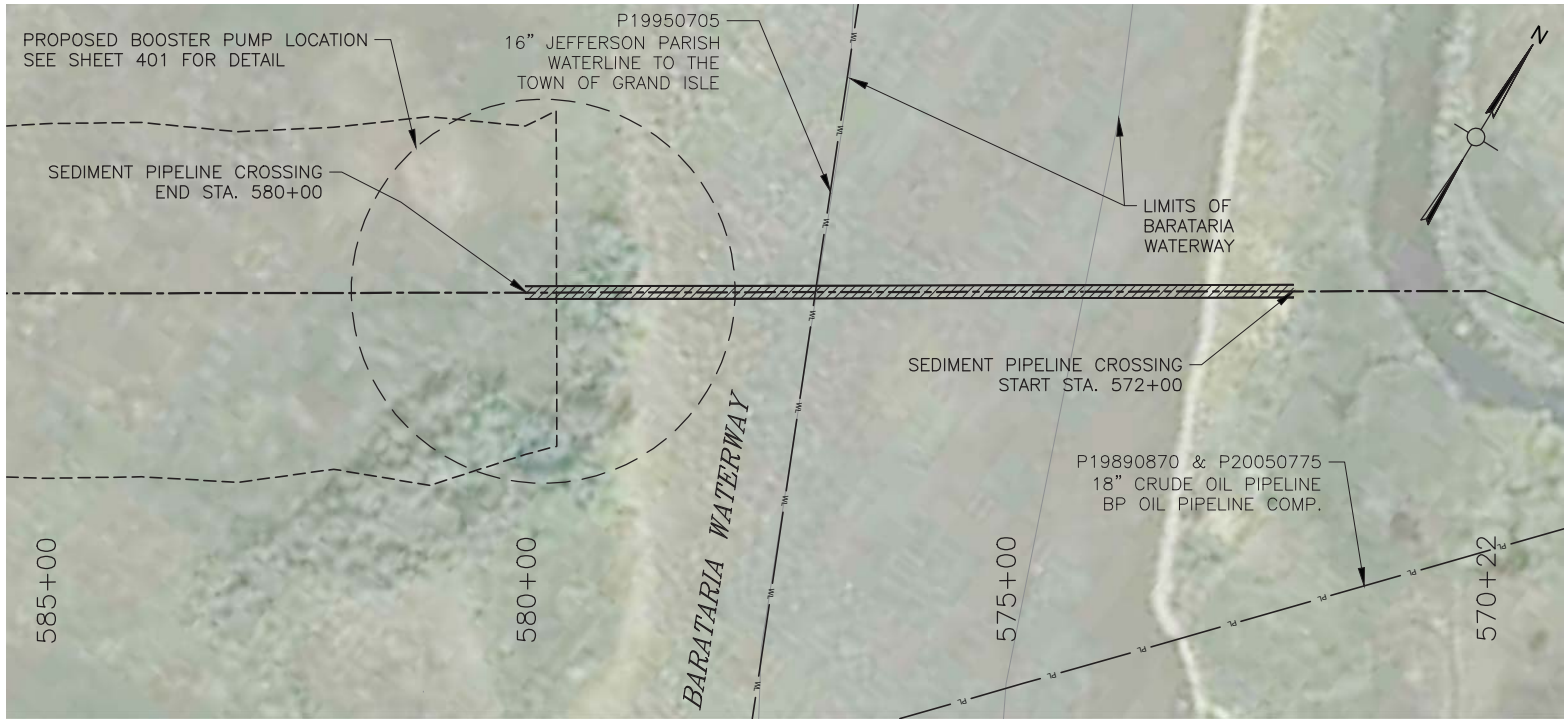
**PROFILE**  
N.T.S.



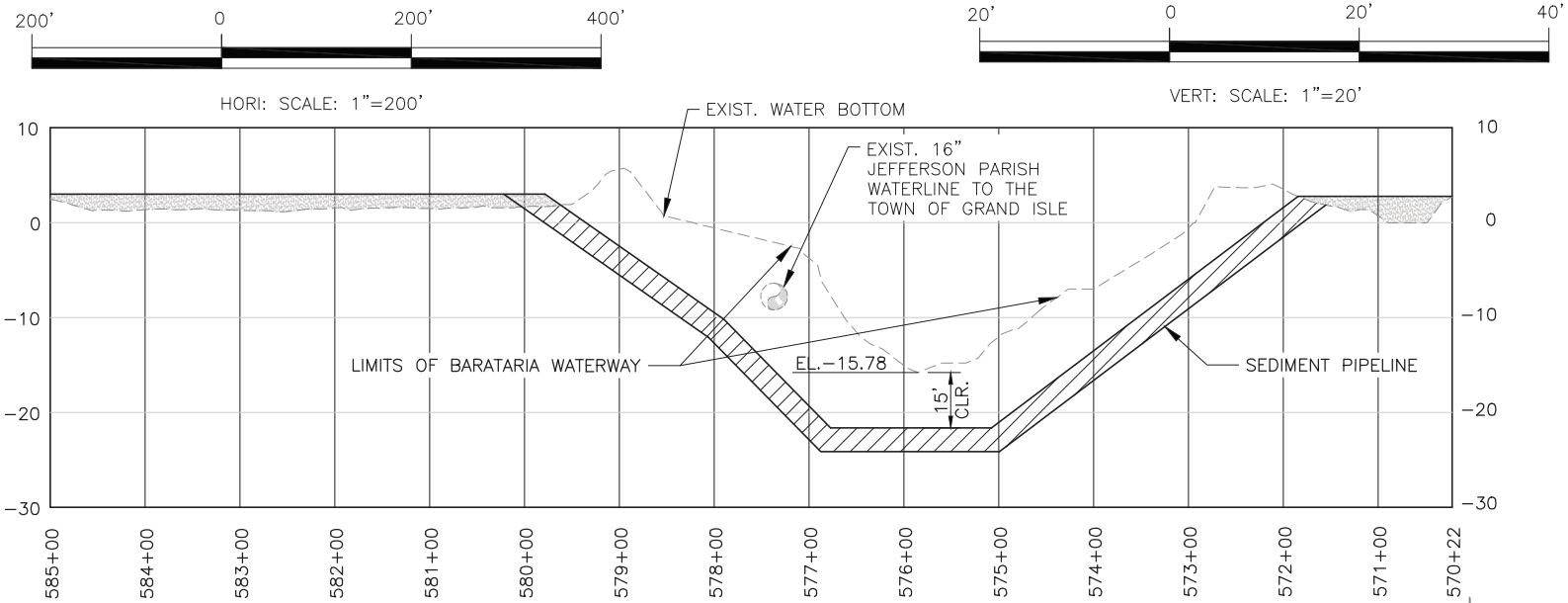
**SECTION 2**  
N.T.S.

**PERMANENT CANAL CROSSING DETAILS**  
N.T.S.

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### BARATARIA TEMPORARY CANAL CROSSING



**AIMS Group, Inc.**  
 Consulting Engineers  
 4421 Zenith Street  
 Metairie, LA 70001  
 Ph: 504.887.7045  
 Fax: 504.887.7088



NO.	DATE	PERMIT PLANS RE-ISSUED	SPL	BY
1	03/16/18	Δ		

DESIGNED	CHECKED	SCALE	
DETAILED	CHECKED	DATE	TIME

**APTIM**  
 THE METAIRIE CENTRE  
 1000 BOBROW AVE.  
 SUITE 450  
 METAIRIE, LA. 70003 504.832.4878

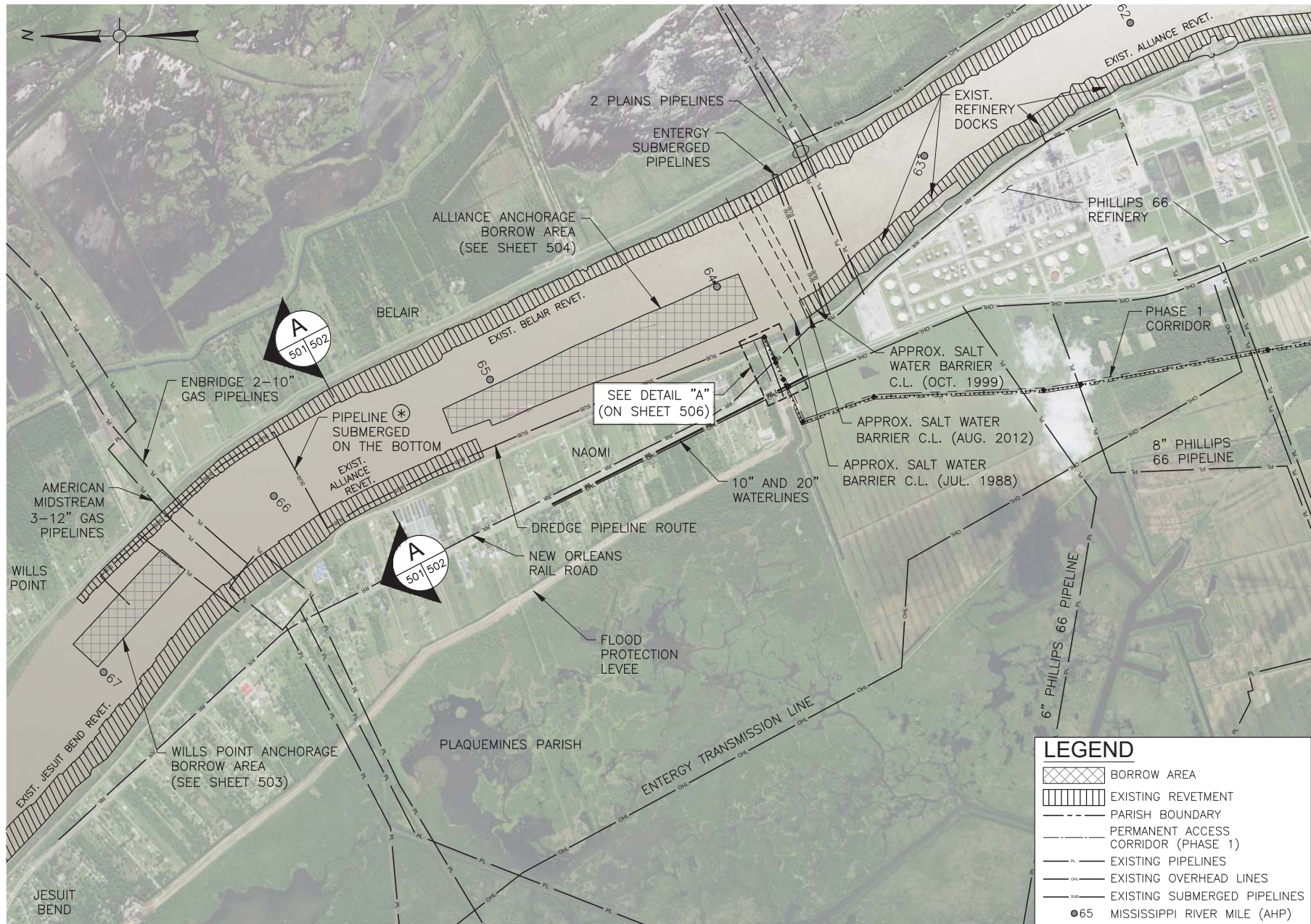
LONG DISTANCE SEDIMENT PIPELINE  
 WEST OF BARATARIA WATERWAY  
 CROSSING DETAIL - BARATARIA TEMPORARY

PROJECT NO. 153455
DATE MAY 2017
SHEET NO. 403





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⚠️ \* NOTE:  
CONTRACTOR TO PROVIDE CROSS SECTION  
OF RIVER PRIOR TO INSTALLATION FOR APPROVAL.

⚠️ NOTE:  
SEE SHEET 006 FOR IMAGERY DISCLAIMER CITATION PROVIDED BY  
THE REGIONAL PLANNING COMMISSION AND THE UNITED STATES  
DEPARTMENT OF AGRICULTURE (USDA).

### BORROW AREAS

3,000' 1,500' 0 3,000' 6,000'



SCALE: 1"=3,000'

### LEGEND

- BORROW AREA
- EXISTING REVETMENT
- PARISH BOUNDARY
- PERMANENT ACCESS CORRIDOR (PHASE 1)
- EXISTING PIPELINES
- EXISTING OVERHEAD LINES
- EXISTING SUBMERGED PIPELINES
- MISSISSIPPI RIVER MILE (AHP)



NO.	DATE	REVISION DESCRIPTION	BY
1	07/25/18	ADDED PIPELINE NOTE	SPL
2	07/25/18	CITATION NOTE REVISION	SPL
3	03/16/18	PERMIT PLANS RE-ISSUED	SPL

DESIGNED	CHECKED	SCALE	
DETAILED	CHECKED	DATE	TIME

**APTIM**  
 THE METAIRIE CENTRE  
 1000 BOBBOURN AVE.  
 SUITE 650  
 METAIRIE, LA. 70001 504.832.4878

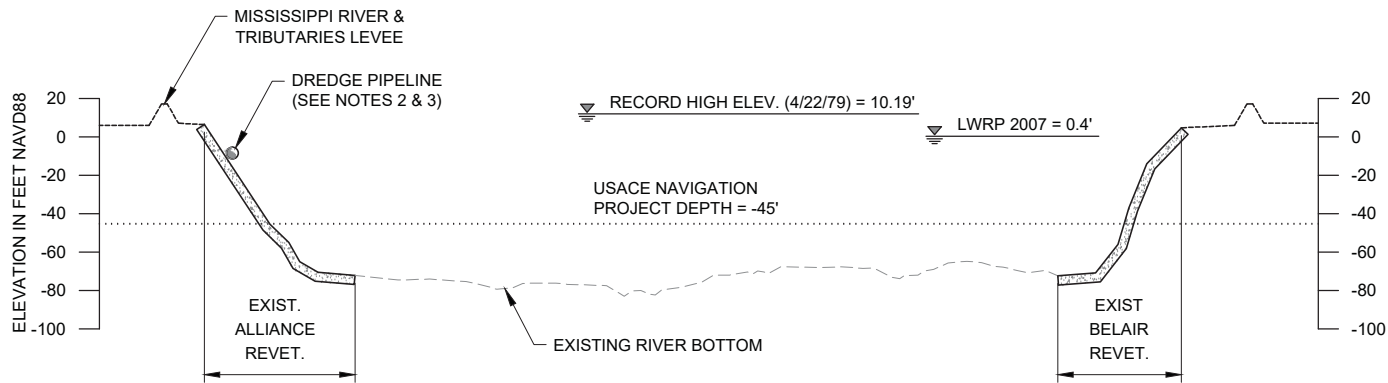
LONG DISTANCE SEDIMENT PIPELINE  
 WEST OF BARATARIA WATERWAY  
 BORROW AREAS

PROJECT NO. 153455
DATE MAY 2017
SHEET NO. 501

**AIMS Group, Inc.**  
 Consulting Engineers  
 4421 Zenth Street  
 Metairie, LA 70001  
 Ph: 504.887.7045  
 Fax: 504.887.7088



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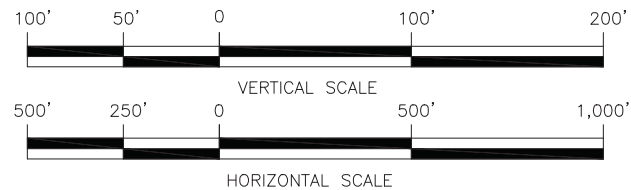
**A** TYPICAL DREDGE PIPELINE ROUTE SECTION  
 501 502 RIVER MILE 65.6

**NOTES:**

1. MISSISSIPPI RIVER BOTTOM PROFILE BASED ON OSI SURVEY DATED AUGUST 17, 2011.
2. DREDGE PIPELINE TO BE ROUTED ALONG RIVER BANK AT AN OFFSET 30 FT. MINIMUM FROM THE LWRP.
3. DREDGE PIPELINE MAY BE SUBMERGED OR FLOATING.

**LEGEND**

- AUGUST 2011 SURVEY
- EXISTING REVETMENT
- DREDGE PIPELINE



NO.	DATE	PERMIT PLANS RE-ISSUED	SPR	BY
1	03/16/18			

DESIGNED	CHECKED	SCALE
DETAILED	CHECKED	DATE
		TIME

**APTIM**  
 THE METAIRIE CENTRE  
 610 BOBROW AVE.  
 SUITE 450  
 METAIRIE, LA. 70003 504.832.4878

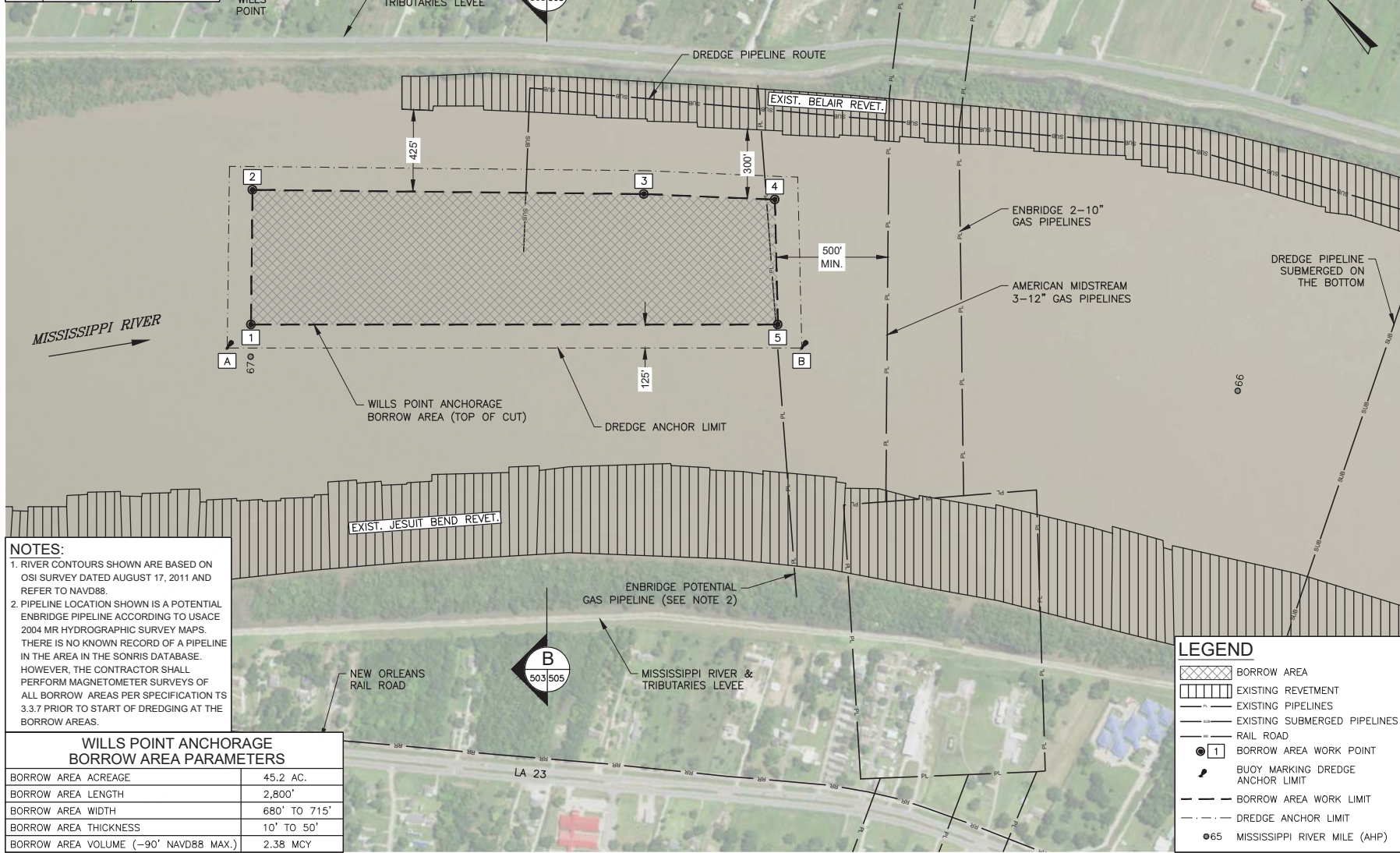
LONG DISTANCE SEDIMENT PIPELINE  
 WEST OF BARATARIA WATERWAY  
 TYPICAL MISSISSIPPI RIVER  
 DREDGE PIPELINE ROUTE SECTION

PROJECT NO. 153455
DATE MAY 2017
SHEET NO. 502

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BORROW AREA (TOP OF CUT)		
PT.	EASTING	NORTHING
1	3,702,191.97	453,645.40
2	3,702,680.08	454,174.11
3	3,704,219.24	452,757.35
4	3,704,719.35	452,266.22
5	3,704,284.29	451,759.64

BUOYS MARKING DREDGE ANCHOR LIMIT		
PT.	EASTING	NORTHING
A	3,702,014.32	453,637.24
B	3,704,295.70	451,581.07



**NOTES:**

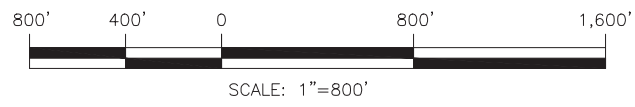
- RIVER CONTOURS SHOWN ARE BASED ON OSI SURVEY DATED AUGUST 17, 2011 AND REFER TO NAVD88.
- PIPELINE LOCATION SHOWN IS A POTENTIAL ENBRIDGE PIPELINE ACCORDING TO USACE 2004 MR HYDROGRAPHIC SURVEY MAPS. THERE IS NO KNOWN RECORD OF A PIPELINE IN THE AREA IN THE SONRIS DATABASE. HOWEVER, THE CONTRACTOR SHALL PERFORM MAGNETOMETER SURVEYS OF ALL BORROW AREAS PER SPECIFICATION TS 3.3.7 PRIOR TO START OF DREDGING AT THE BORROW AREAS.

WILLS POINT ANCHORAGE BORROW AREA PARAMETERS	
BORROW AREA ACREAGE	45.2 AC.
BORROW AREA LENGTH	2,800'
BORROW AREA WIDTH	680' TO 715'
BORROW AREA THICKNESS	10' TO 50'
BORROW AREA VOLUME (-90' NAVD88 MAX.)	2.38 MCY

LEGEND	
	BORROW AREA
	EXISTING RETEVMENT
	EXISTING PIPELINES
	EXISTING SUBMERGED PIPELINES
	RAIL ROAD
	BORROW AREA WORK POINT
	BUOY MARKING DREDGE ANCHOR LIMIT
	BORROW AREA WORK LIMIT
	DREDGE ANCHOR LIMIT
	MISSISSIPPI RIVER MILE (AHP)

NOTE:  
SEE SHEET 006 FOR IMAGERY DISCLAIMER CITATION PROVIDED BY THE REGIONAL PLANNING COMMISSION AND THE UNITED STATES DEPARTMENT OF AGRICULTURE (USDA).

### WILLS POINT ANCHORAGE BORROW AREA LAYOUT



**AIMS Group, Inc.**  
Consulting Engineers  
4421 Zenith Street  
Metairie, LA 70001  
Ph: 504.887.7045  
Fax: 504.887.7088



NO.	DATE	PERMIT PLANS RE-ISSUED	CITATION NOTE REVISION	SPL	BY
1	03/16/18				
2	07/25/18				

DESIGNED	CHECKED	SCALE	DATE	TIME
DETAILED	CHECKED			

**APTIM**  
THE METAIRIE CENTRE  
1000 BARRON AVE.  
SUITE 650  
METAIRIE, LA. 70001 504.832.4878

LONG DISTANCE SEDIMENT PIPELINE  
WEST OF BARATARIA WATERWAY  
WILLS POINT ANCHORAGE  
BORROW AREA LAYOUT

PROJECT NO.	153455
DATE	MAY 2017
SHEET NO.	503

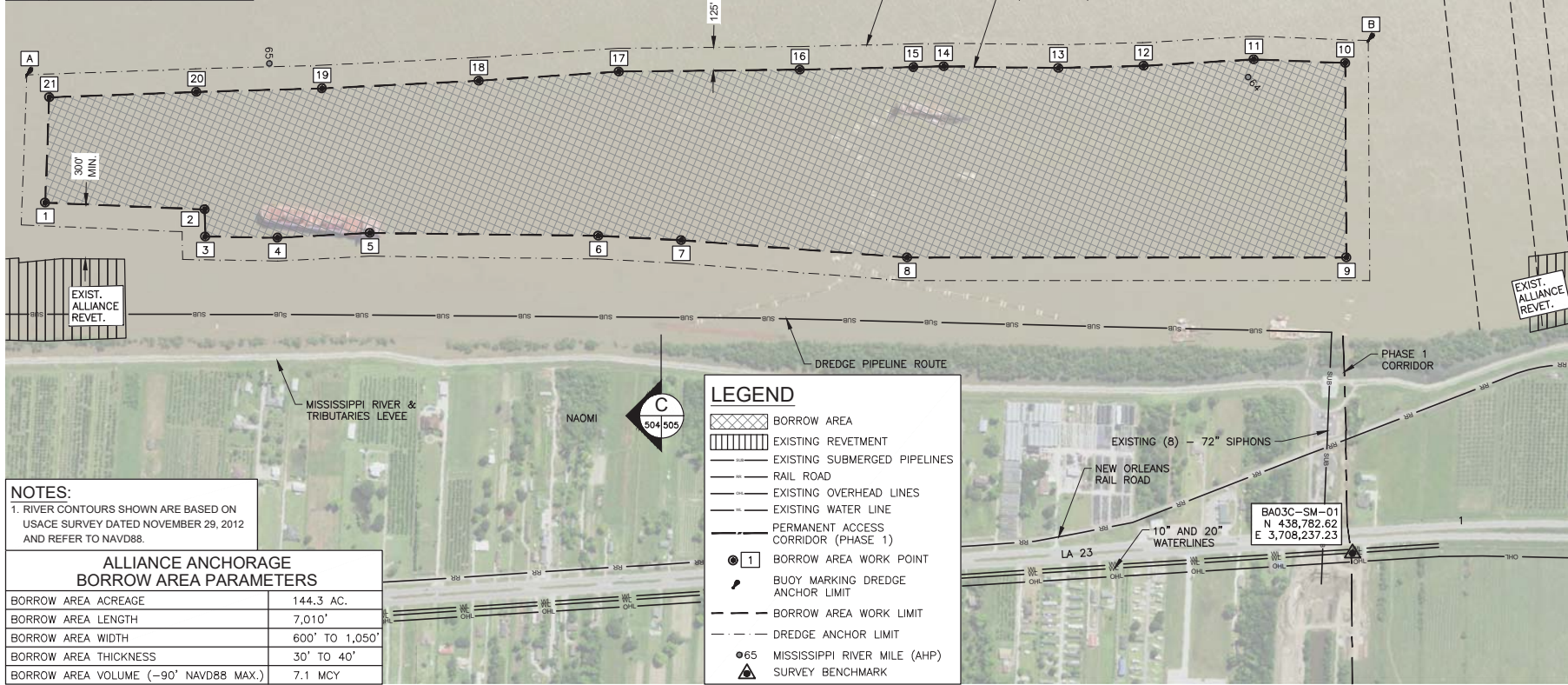
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**BORROW AREA (TOP OF CUT)**

PT.	EASTING	NORTHING
1	3,707,219.41	446,014.82
2	3,707,522.21	445,208.58
3	3,707,389.03	445,148.38
4	3,707,535.24	444,787.54
5	3,707,753.86	444,338.67
6	3,708,221.68	443,197.83
7	3,708,374.70	442,776.59
8	3,708,765.43	441,617.89
9	3,709,691.75	439,435.96
10	3,710,654.49	439,851.98
11	3,710,479.21	440,313.58
12	3,710,215.12	440,847.15
13	3,710,024.70	441,265.93
14	3,709,790.84	441,838.96
15	3,709,723.64	441,987.70
16	3,709,471.22	442,546.40
17	3,709,080.21	443,441.64
18	3,708,739.13	444,118.08
19	3,708,370.45	444,880.29
20	3,708,087.76	445,497.48
21	3,707,751.08	446,217.16

**BUOYS MARKING DREDGE ANCHOR LIMIT**

PT.	EASTING	NORTHING
A	3,707,815.11	446,375.28
B	3,710,813.77	439,784.64



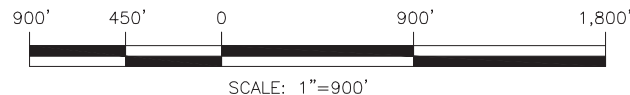
**NOTES:**  
 1. RIVER CONTOURS SHOWN ARE BASED ON USACE SURVEY DATED NOVEMBER 29, 2012 AND REFER TO NAVD88.

ALLIANCE ANCHORAGE BORROW AREA PARAMETERS	
BORROW AREA ACREAGE	144.3 AC.
BORROW AREA LENGTH	7,010'
BORROW AREA WIDTH	600' TO 1,050'
BORROW AREA THICKNESS	30' TO 40'
BORROW AREA VOLUME (-90° NAVD88 MAX.)	7.1 MCY

**LEGEND**

- BORROW AREA
- EXISTING REVETMENT
- EXISTING SUBMERGED PIPELINES
- RAIL ROAD
- EXISTING OVERHEAD LINES
- EXISTING WATER LINE
- PERMANENT ACCESS CORRIDOR (PHASE 1)
- BORROW AREA WORK POINT
- BUOY MARKING DREDGE ANCHOR LIMIT
- BORROW AREA WORK LIMIT
- DREDGE ANCHOR LIMIT
- MISSISSIPPI RIVER MILE (AHP)
- SURVEY BENCHMARK

**ALLIANCE ANCHORAGE BORROW AREA LAYOUT**



**NOTE:**  
 SEE SHEET 006 FOR IMAGERY DISCLAIMER CITATION PROVIDED BY THE REGIONAL PLANNING COMMISSION AND THE UNITED STATES DEPARTMENT OF AGRICULTURE (USDA).



NO.	DATE	REVISION DESCRIPTION
1	03/16/18	PERMIT PLANS RE-ISSUED
2	07/25/18	CITATION NOTE REVISION

DESIGNED	CHECKED	SCALE

DATE	TIME

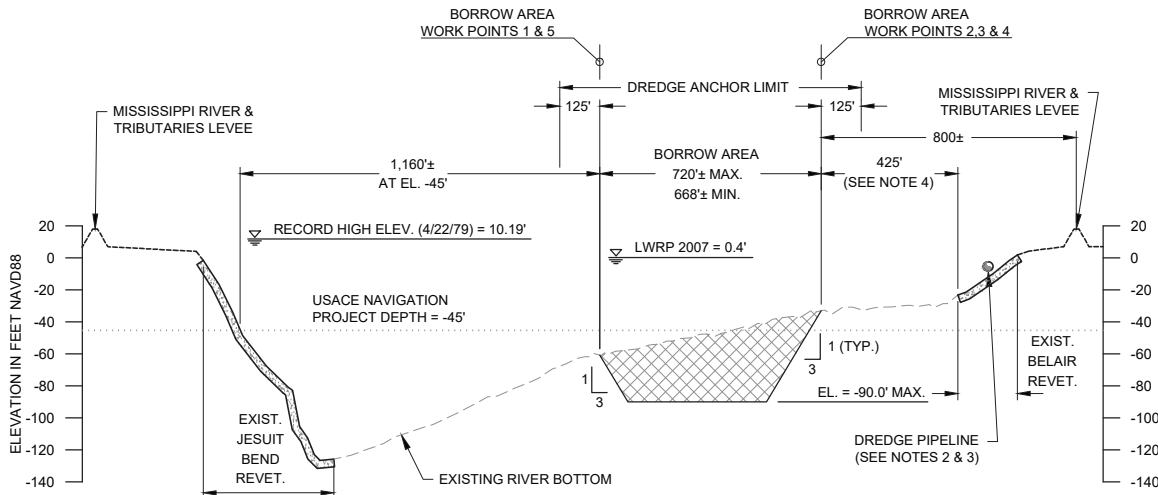
APTIM  
 THE METAIRIE CENTRE  
 1000 BARRON AVE.  
 SUITE 650  
 METAIRIE, LA. 70001 504.832.4878

LONG DISTANCE SEDIMENT PIPELINE  
 WEST OF BARATARIA WATERWAY  
 ALLIANCE ANCHORAGE  
 BORROW AREA LAYOUT

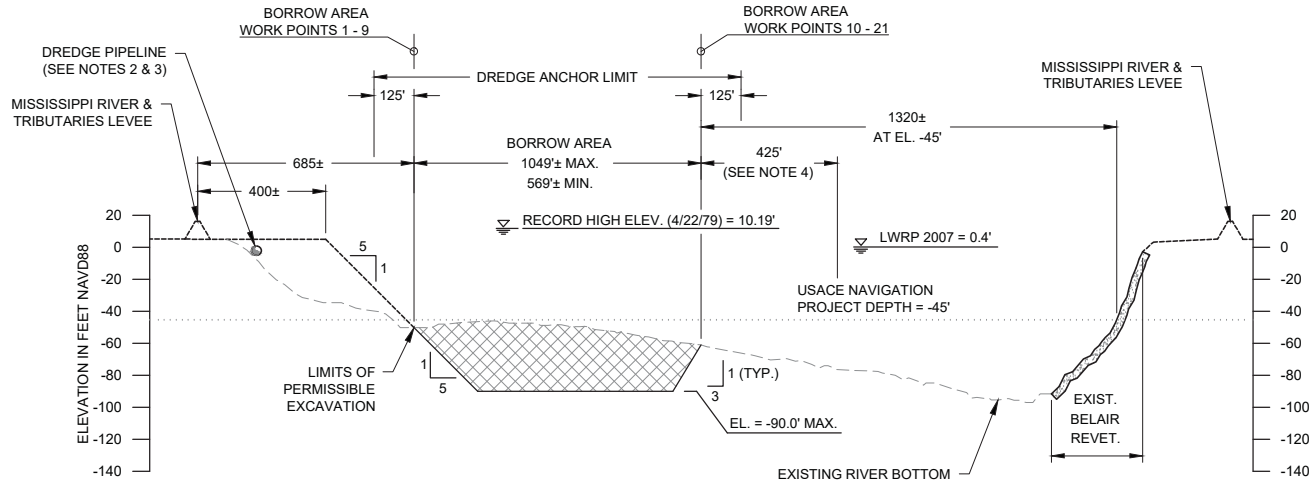
PROJECT NO.	153455
DATE	MAY 2017
SHEET NO.	504

AIMS Group, Inc.  
 Consulting Engineers  
 4421 Zenth Street  
 Metairie, LA 70001  
 Ph: 504.887.7045  
 Fax: 504.887.7088

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**B** WILLS POINT ANCHORAGE BORROW AREA  
RIVER MILE 66.7

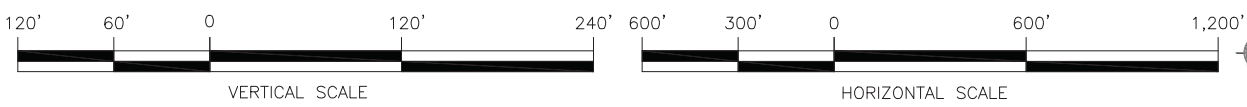


**C** ALLIANCE ANCHORAGE BORROW AREA  
RIVER MILE 64.6

- NOTES:**
- MISSISSIPPI RIVER BOTTOM PROFILE BASED ON OSI SURVEY DATED AUGUST 17, 2011.
  - DREDGE PIPELINE TO BE ROUTED ALONG RIVER BANK AT AN OFFSET ±30 FT. MINIMUM FROM THE LWRP.
  - DREDGE PIPELINE MAY BE SUBMERGED OR FLOATING.
  - THE MINIMUM DISTANCE BETWEEN TOP OF CUT AND TOE OF BELAIR REVETMENT VARIES FROM 300 TO 450 FT.
  - THE MINIMUM DISTANCE BETWEEN TOP OF CUT AND TOE OF ALLIANCE REVETMENT IS 300 FT. WHERE OCCURS, SEE SHEET 504 FOR EXTENTS.

**LEGEND**

- BORROW AREA
- AUGUST 2011 SURVEY
- APPROXIMATE EXISTING GRADE
- EXISTING REVETMENT
- DESIGN GRADE
- DREDGE PIPELINE



**AIMS Group, Inc.**  
Consulting Engineers  
4421 Zenith Street  
Metairie, LA 70001  
Ph: 504.887.7045  
Fax: 504.887.7068



NO.	DATE	REVISION DESCRIPTION	SPR	BY
1	03/16/18	PERMIT PLANS RE-ISSUED		

DESIGNED	CHECKED	SCALE	DATE	TIME

DESIGNED	CHECKED	DETAILED	CHECKED

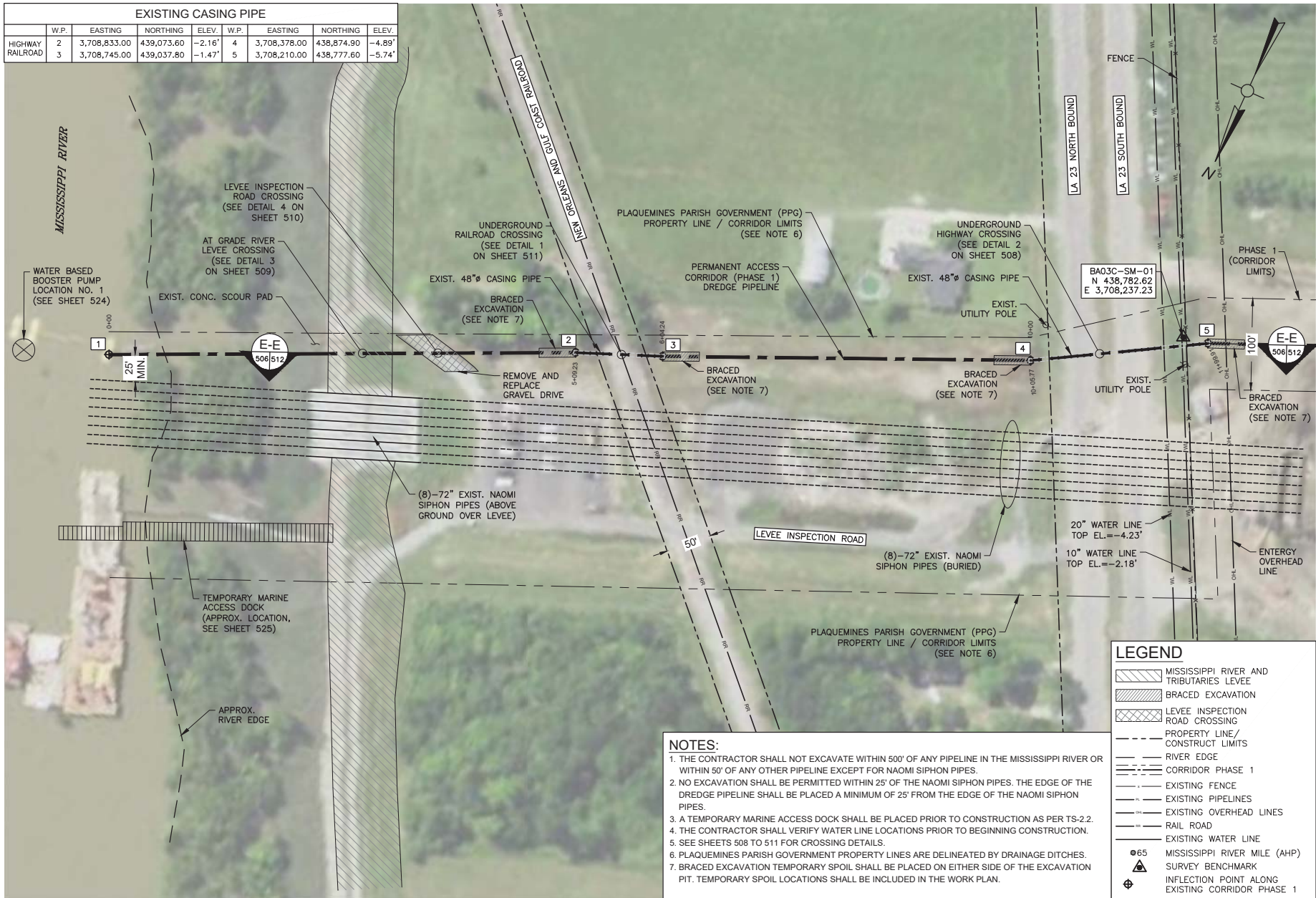
**APTIM**  
THE METAIRIE CENTRE  
1000 BARATARIA AVENUE  
SUITE 450  
METAIRIE, LA 70003 504.832.4878

LONG DISTANCE SEDIMENT PIPELINE  
WEST OF BARATARIA WATERWAY  
BORROW AREAS TYPICAL SECTIONS

PROJECT NO. 153455
DATE MAY 2017
SHEET NO. 505

FOR PERMITTING ONLY - NOT FOR CONSTRUCTION

EXISTING CASING PIPE								
	W.P.	EASTING	NORTHING	ELEV.	W.P.	EASTING	NORTHING	ELEV.
HIGHWAY	2	3,708,833.00	439,073.60	-2.16'	4	3,708,378.00	438,874.90	-4.89'
RAILROAD	3	3,708,745.00	439,037.80	-1.47'	5	3,708,210.00	438,777.60	-5.74'



**NOTES:**

1. THE CONTRACTOR SHALL NOT EXCAVATE WITHIN 500' OF ANY PIPELINE IN THE MISSISSIPPI RIVER OR WITHIN 50' OF ANY OTHER PIPELINE EXCEPT FOR NAOMI SIPHON PIPES.
2. NO EXCAVATION SHALL BE PERMITTED WITHIN 25' OF THE NAOMI SIPHON PIPES. THE EDGE OF THE DREDGE PIPELINE SHALL BE PLACED A MINIMUM OF 25' FROM THE EDGE OF THE NAOMI SIPHON PIPES.
3. A TEMPORARY MARINE ACCESS DOCK SHALL BE PLACED PRIOR TO CONSTRUCTION AS PER TS-2.2.
4. THE CONTRACTOR SHALL VERIFY WATER LINE LOCATIONS PRIOR TO BEGINNING CONSTRUCTION.
5. SEE SHEETS 508 TO 511 FOR CROSSING DETAILS.
6. PLAQUEMINES PARISH GOVERNMENT PROPERTY LINES ARE DELINEATED BY DRAINAGE DITCHES.
7. BRACED EXCAVATION TEMPORARY SPOIL SHALL BE PLACED ON EITHER SIDE OF THE EXCAVATION PIT. TEMPORARY SPOIL LOCATIONS SHALL BE INCLUDED IN THE WORK PLAN.

NOTE:  
SEE SHEET 006 FOR IMAGERY DISCLAIMER CITATION PROVIDED BY THE REGIONAL PLANNING COMMISSION AND THE UNITED STATES DEPARTMENT OF AGRICULTURE (USDA).

**LEGEND**

- MISSISSIPPI RIVER AND TRIBUTARIES LEVEE
- BRACED EXCAVATION
- LEVEE INSPECTION ROAD CROSSING
- PROPERTY LINE / CONSTRUCT LIMITS
- RIVER EDGE
- CORRIDOR PHASE 1
- EXISTING FENCE
- EXISTING PIPELINES
- EXISTING OVERHEAD LINES
- RAIL ROAD
- EXISTING WATER LINE
- MISSISSIPPI RIVER MILE (AHP)
- SURVEY BENCHMARK
- INFLECTION POINT ALONG EXISTING CORRIDOR PHASE 1

**DETAIL "A"**



SCALE: 1"=150'

**AIMS Group, Inc.**  
Consulting Engineers  
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Metairie, LA 70001  
Ph: 504.887.7045  
Fax: 504.887.7088



NO.	DATE	REVISION DESCRIPTION
1	07/25/18	CITATION NOTE REVISION
2	03/16/18	PERMIT PLANS RE-ISSUED
3		
4		
5		

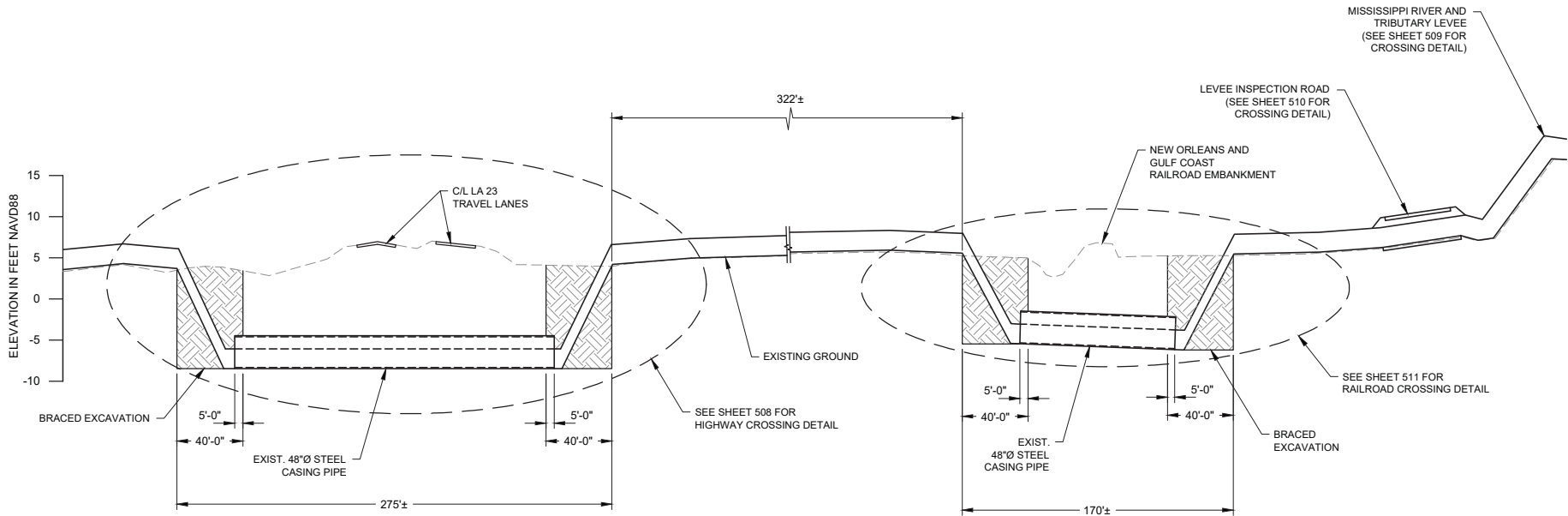
DESIGNED	CHECKED	DETAILED	CHECKED

**APTIM**  
THE METAIRIE CENTRE  
1000 BOGARD AVENUE  
SUITE 650  
METAIRIE, LA 70001 504.832.4878

LONG DISTANCE SEDIMENT PIPELINE  
WEST OF BARATARIA WATERWAY  
DETAIL "A"

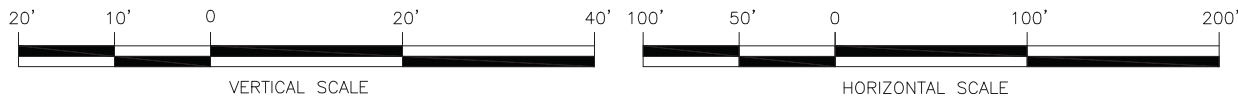
PROJECT NO.	153455
DATE	MAY 2017
SHEET NO.	506

FOR PERMITTING ONLY - NOT FOR CONSTRUCTION



**E-E DREDGE PIPELINE CORRIDOR SECTION**  
506507

LEGEND	
	BRACED EXCAVATION
	EXISTING GROUND



**AIMS Group, Inc.**  
Consulting Engineers  
4421 Zenith Street  
Metairie, LA 70001  
Ph: 504.887.7045  
Fax: 504.887.7088



NO.	DATE	REVISION DESCRIPTION	SP	BY
1	03/16/18	PERMIT PLANS RE-ISSUED		

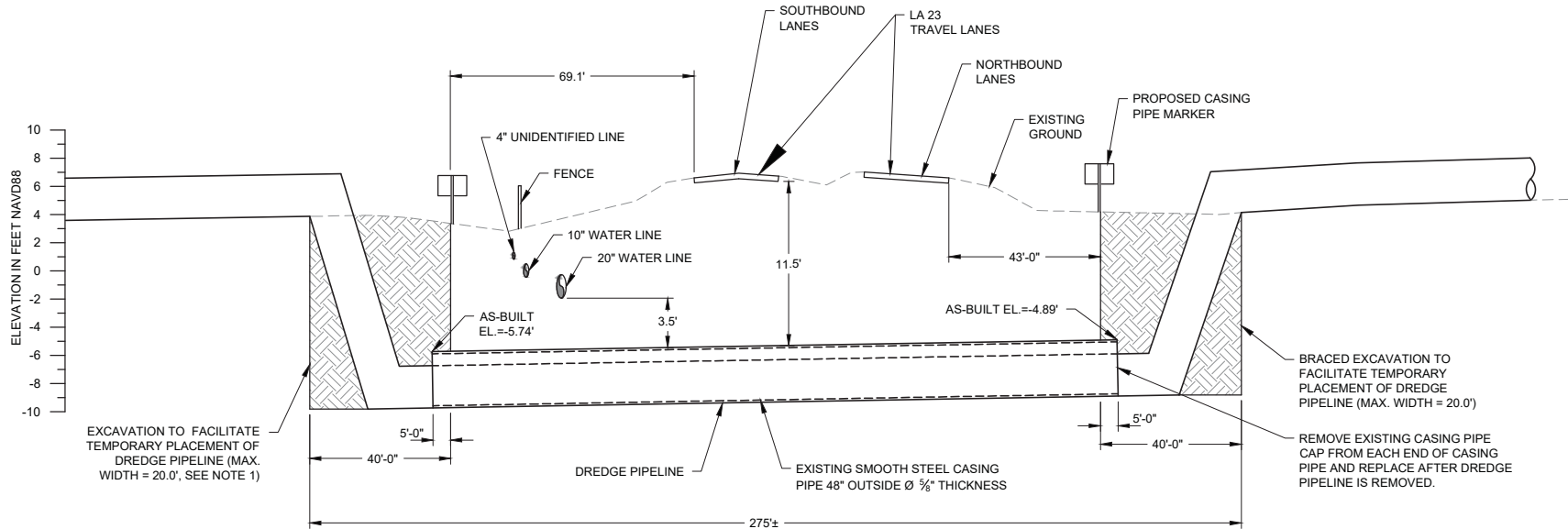
DESIGNED	CHECKED	SCALE	DATE	TIME

**APTIM**  
THE METAIRIE CENTRE  
1000 BOBROW AVE.  
SUITE 450  
METAIRIE, LA. 70003 504.832.4878

LONG DISTANCE SEDIMENT PIPELINE  
WEST OF BARATARIA WATERWAY  
DREDGE PIPELINE CORRIDOR SECTION

PROJECT NO. 153455
DATE MAY 2017
SHEET NO. 507

FOR PERMITTING ONLY - NOT FOR CONSTRUCTION



**NOTES:**

1. TEMPORARY SPOIL SHALL BE PLACED ADJACENT TO THE EXCAVATION ON BOTH SIDES WITHIN CONSTRUCTION LIMITS. LOCATION TO BE APPROVED BY ENGINEER AND INCLUDED IN WORK PLAN.
2. THE TEMPORARY SPOIL SHALL BE BACKFILLED INTO EXCAVATION AFTER COMPLETION OF CONSTRUCTION.

**2 HIGHWAY CROSSING DETAIL**  
506/508



LEGEND	
	BRACED EXCAVATION
	EXISTING GROUND

**AIMS Group, Inc.**  
 Consulting Engineers  
 4421 Zenith Street  
 Metairie, LA 70001  
 Ph: 504.887.7045  
 Fax: 504.887.7088



NO.	DATE	PERMIT PLANS RE-ISSUED	SPR	BY
1	03/16/18	RE-ISSUED		

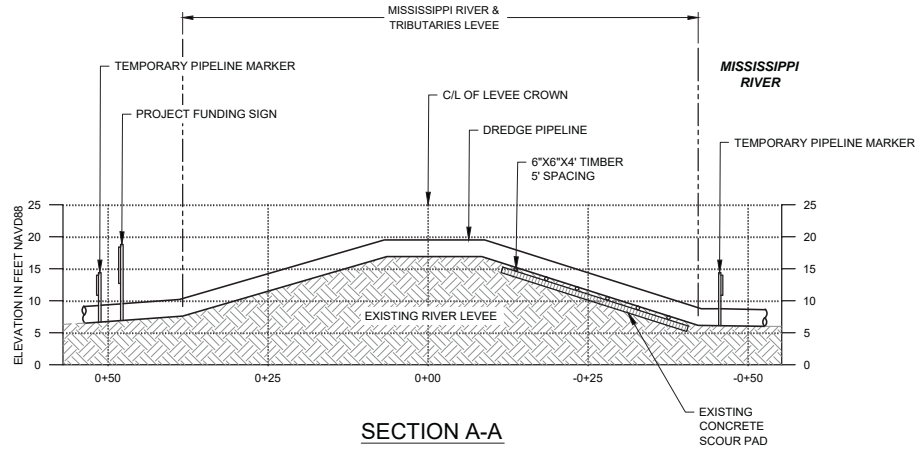
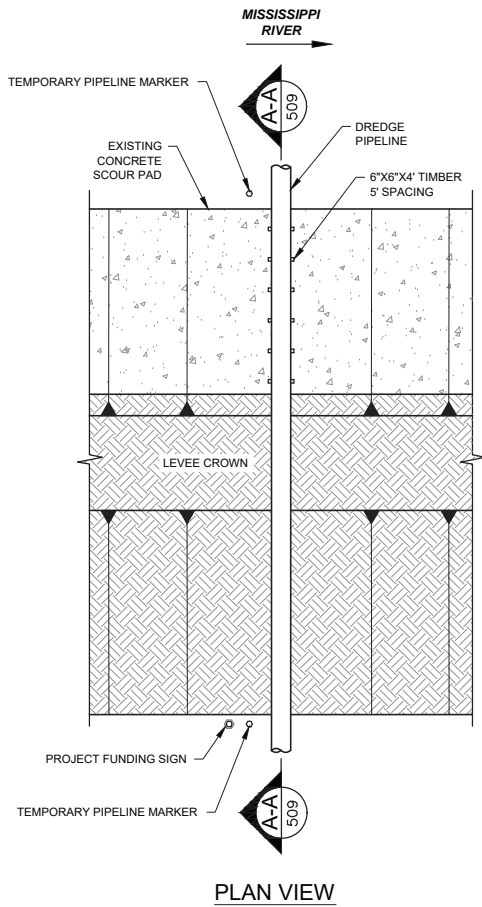
DESIGNED	CHECKED	DATE	SCALE

**APTIM**  
 THE METAIRIE CENTRE  
 211 BARATARIA AVE.  
 SUITE 450  
 METAIRIE, LA. 70003 504.832.4878

LONG DISTANCE SEDIMENT PIPELINE  
 WEST OF BARATARIA WATERWAY  
 HIGHWAY CROSSING DETAIL

PROJECT NO.	153455
DATE	MAY 2017
SHEET NO.	508

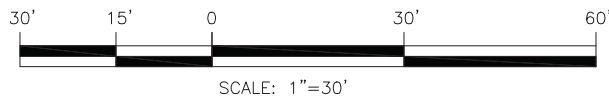
FOR PERMITTING ONLY - NOT FOR CONSTRUCTION



**NOTES:**

1. TEMPORARY PIPELINE MARKERS INDICATING OWNER, CONTENTS, AND ADDRESS FOR CONTACTING OWNER SHALL BE PLACED AND MAINTAINED AT EACH TOE OF LEVEE NEAR DREDGE PIPELINE. LOCATION TO BE APPROVED BY ENGINEER AND INCLUDED IN WORK PLAN.
2. EXISTING GRADE BASED ON JANUARY 2012 TBS SURVEY.

**3 MISSISSIPPI RIVER LEVEE CROSSING DETAIL**



**AIMS Group, Inc.**  
 Consulting Engineers  
4421 Zenith Street  
 Metairie, LA 70001  
 Ph: 504.887.7045  
 Fax: 504.887.7088



NO.	DATE	PERMIT PLANS RE-ISSUED	BY
1	03/16/18		

SCALE	DATE	TIME

DESIGNED	CHECKED	DETAILED	CHECKED

**APTIM**  
 THE METAIRIE CENTRE  
 1000 BOGARD AVENUE  
 SUITE 450  
 METAIRIE, LA. 70003 504.832.4878

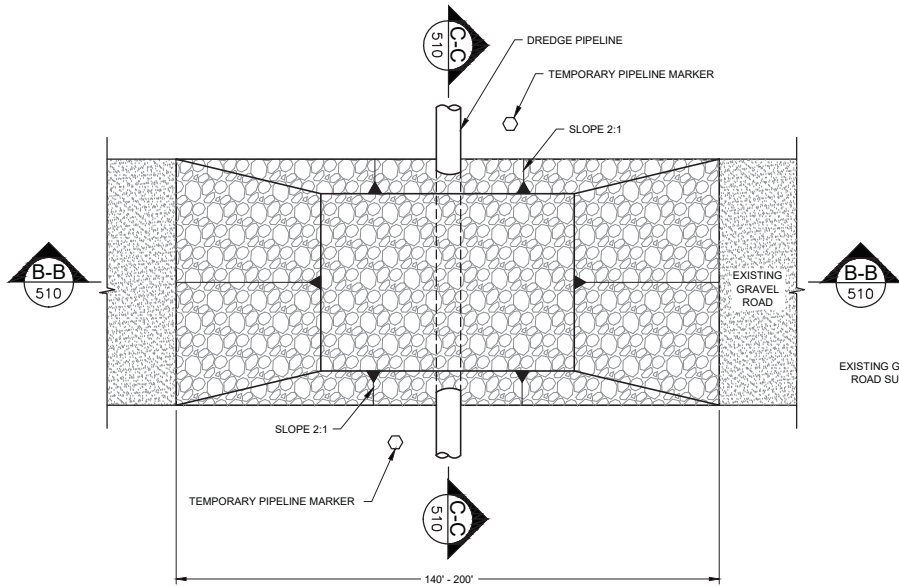
**APTIM**

LONG DISTANCE SEDIMENT PIPELINE  
 WEST OF BARATARIA WATERWAY  
 MISSISSIPPI RIVER LEVEE  
 CROSSING DETAIL

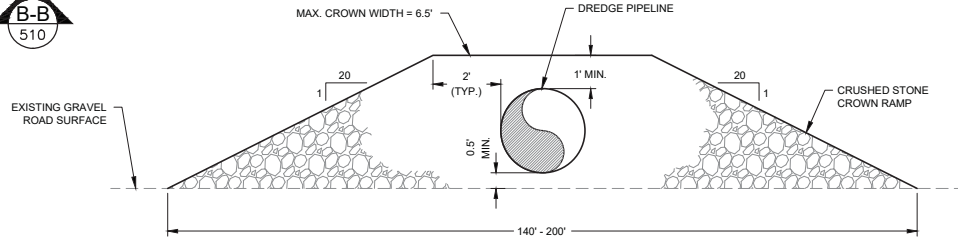
PROJECT NO. 153455
DATE MAY 2017
SHEET NO. <b>509</b>



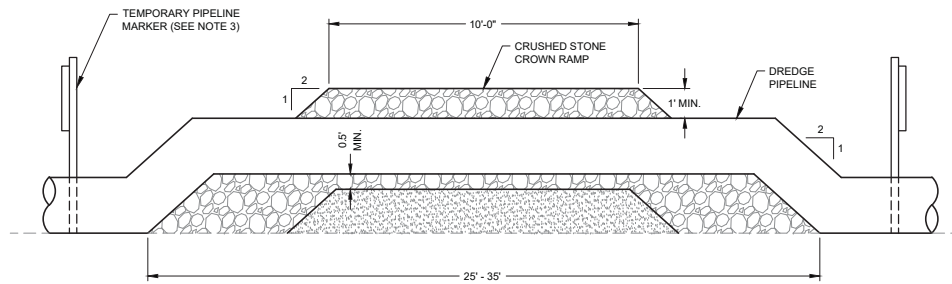
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**PLAN VIEW**



**SECTION B-B**



**SECTION C-C**

**NOTES:**

1. MISSISSIPPI RIVER LEVEE INSPECTION ROAD IS AT THE LANDSIDE TOE OF THE MISSISSIPPI RIVER LEVEE.
2. THE CROWN RAMP OVER THE PIPELINE CROSSINGS SHALL CONSIST OF CRUSHED STONE FOR FULL WIDTH AND LENGTH OF RAMP. THE CRUSH STONE MATERIAL SHALL CONFORM TO LA DOTD 2006 SPECIFICATION 1003.04 (a).
3. TEMPORARY PIPELINE MARKERS INDICATING OWNER, CONTENTS, AND ADDRESS FOR CONTACTING OWNER SHALL BE PLACED AND MAINTAINED AT EACH TOE OF LEVEE NEAR DREDGE PIPELINE. LOCATION TO BE APPROVED BY ENGINEER AND INCLUDED IN WORK PLAN.



**MISSISSIPPI RIVER LEVEE INSPECTION ROAD CROSSING DETAIL**

NOT TO SCALE



NO.	DATE	PERMIT PLANS RE-ISSUED	BY
1	03/16/18		

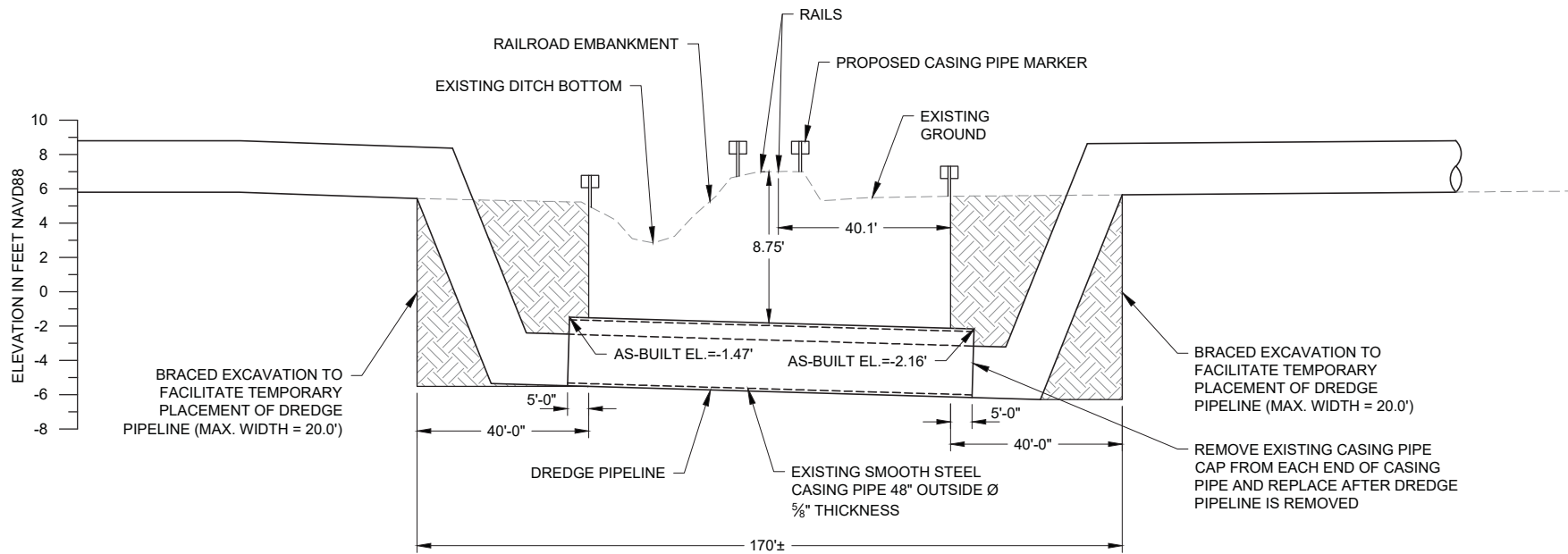
DESIGNED	CHECKED	SCALE	DATE	TIME

**APTIM**  
 THE METAIRIE CENTRE  
 65 BARBON AVENUE,  
 SUITE 450  
 METAIRIE, LA. 70003 504.832.4878

LONG DISTANCE SEDIMENT PIPELINE  
 WEST OF BARATARIA WATERWAY  
 LEVEE INSPECTION ROAD  
 CROSSING DETAIL

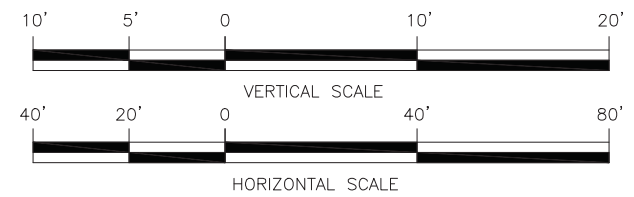
PROJECT NO. 153455
DATE MAY 2017
SHEET NO. 510

FOR PERMITTING ONLY - NOT FOR CONSTRUCTION



**1 RAILROAD CROSSING DETAIL**  
506511

LEGEND	
	BRACED EXCAVATION
	EXISTING GROUND



**NOTES:**

1. TEMPORARY SPOIL SHALL BE PLACED ADJACENT TO THE EXCAVATION ON BOTH SIDES. LOCATION TO BE APPROVED BY ENGINEER AND INCLUDED IN WORK PLAN.
2. THE TEMPORARY SPOIL SHALL BE BACKFILLED INTO EXCAVATION AFTER COMPLETION OF CONSTRUCTION.



NO.	DATE	PERMIT PLANS RE-ISSUED	SPR	BY
1	03/16/18			
		REVISION	DESCRIPTION	

DESIGNED	CHECKED	DATE	TIME

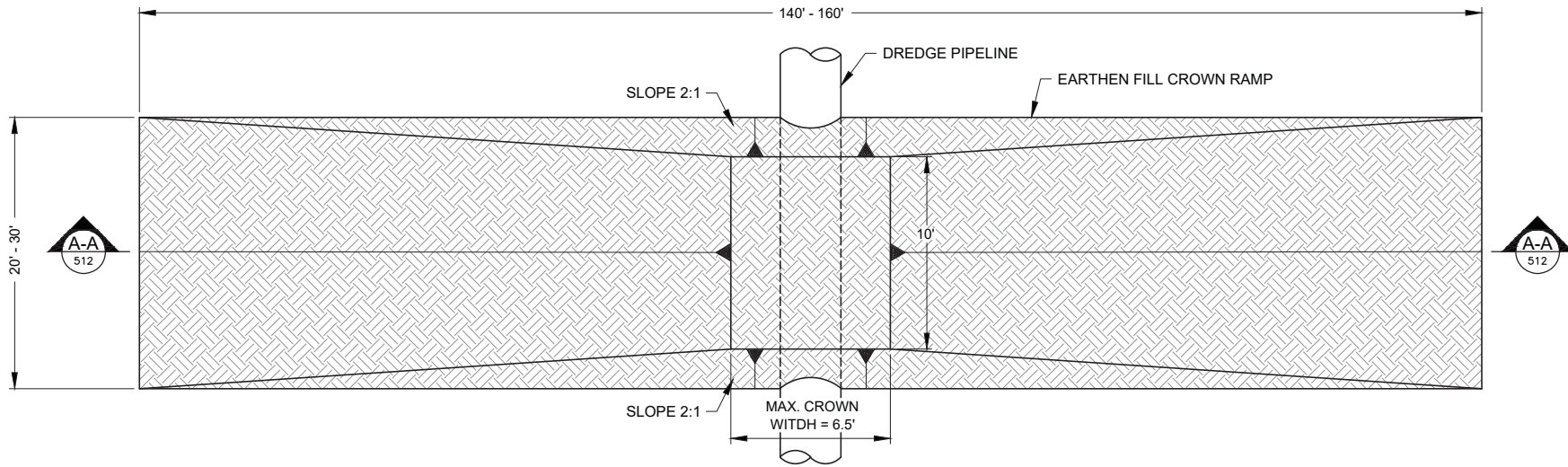
**APTIM**  
THE METAIRIE CENTRE  
1400 BOBROW AVE.  
SUITE 450  
METAIRIE, LA. 70003 504.832.4878



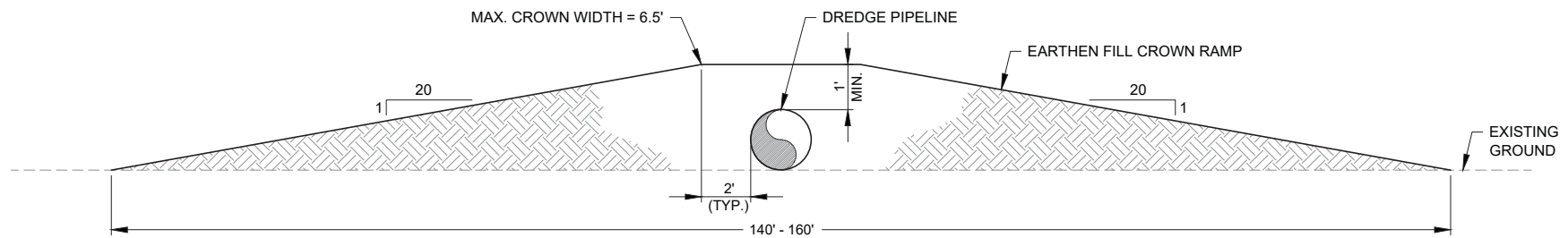
LONG DISTANCE SEDIMENT PIPELINE  
WEST OF BARATARIA WATERWAY  
RAILROAD CROSSING DETAIL

PROJECT NO. 153455
DATE MAY 2017
SHEET NO. 511

FOR PERMITTING ONLY - NOT FOR CONSTRUCTION



**PLAN VIEW**



**SECTION A-A**

**CATTLE CROSSING DETAIL**

N.T.S.



NO.	DATE	PERMIT PLANS RE-ISSUED	SPR	BY
1	03/16/18	RE-ISSUED		
		REVISION		
		DESCRIPTION		

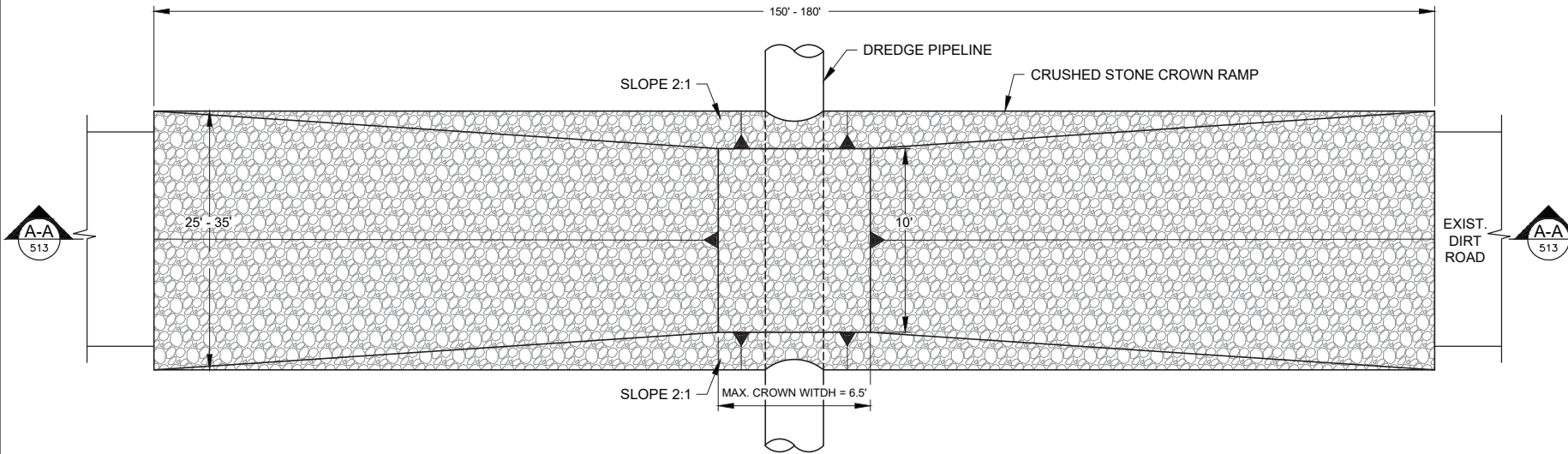
DESIGNED	CHECKED	SCALE	DATE	TIME
DETAILED	CHECKED			

**APTIM**  
 THE METAIRIE CENTRE  
 614 BOBROW AVE.  
 SUITE 450  
 METAIRIE, LA. 70003 504.832.4878

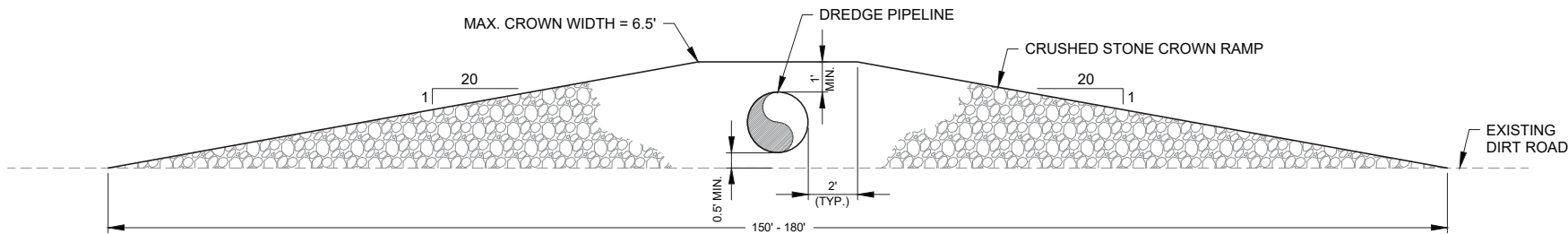
LONG DISTANCE SEDIMENT PIPELINE  
 WEST OF BARATARIA WATERWAY  
 CATTLE CROSSING DETAIL

PROJECT NO.	153455
DATE	MAY 2017
SHEET NO.	512

FOR PERMITTING ONLY - NOT FOR CONSTRUCTION



**PLAN VIEW**



**SECTION A-A**

**DIRT ROAD CROSSING DETAIL**

N.T.S.

NOTE:  
 THE CROWN RAMP OVER THE PIPELINE CROSSINGS SHALL CONSIST OF CRUSHED STONE FOR FULL WIDTH AND LENGTH OF RAMP. THE CRUSH STONE MATERIAL SHALL CONFORM TO LA DOTD 2006 SPECIFICATION 1003.04 (a).

**AIMS Group, Inc.**  
 Consulting Engineers  
 4421 Zenith Street  
 Metairie, LA 70001  
 Ph: 504.887.7045  
 Fax: 504.887.7088



NO.	DATE	PERMIT PLANS RE-ISSUED	SPR	BY
1	03/16/18			

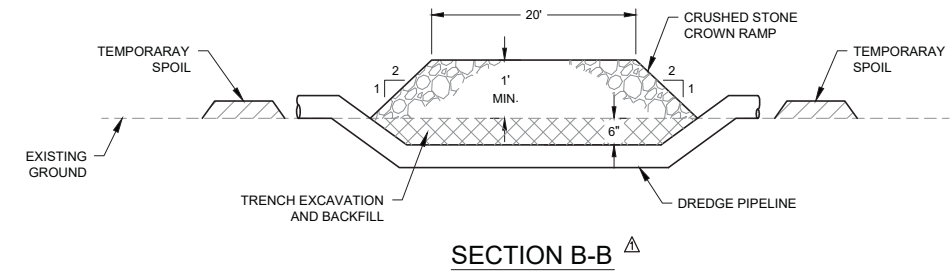
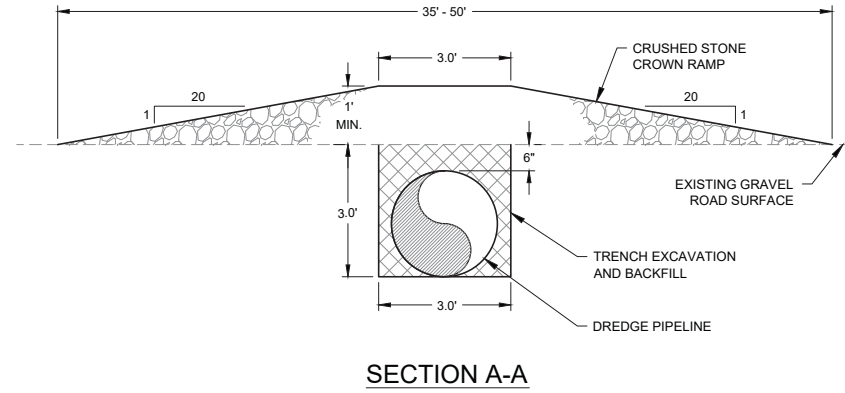
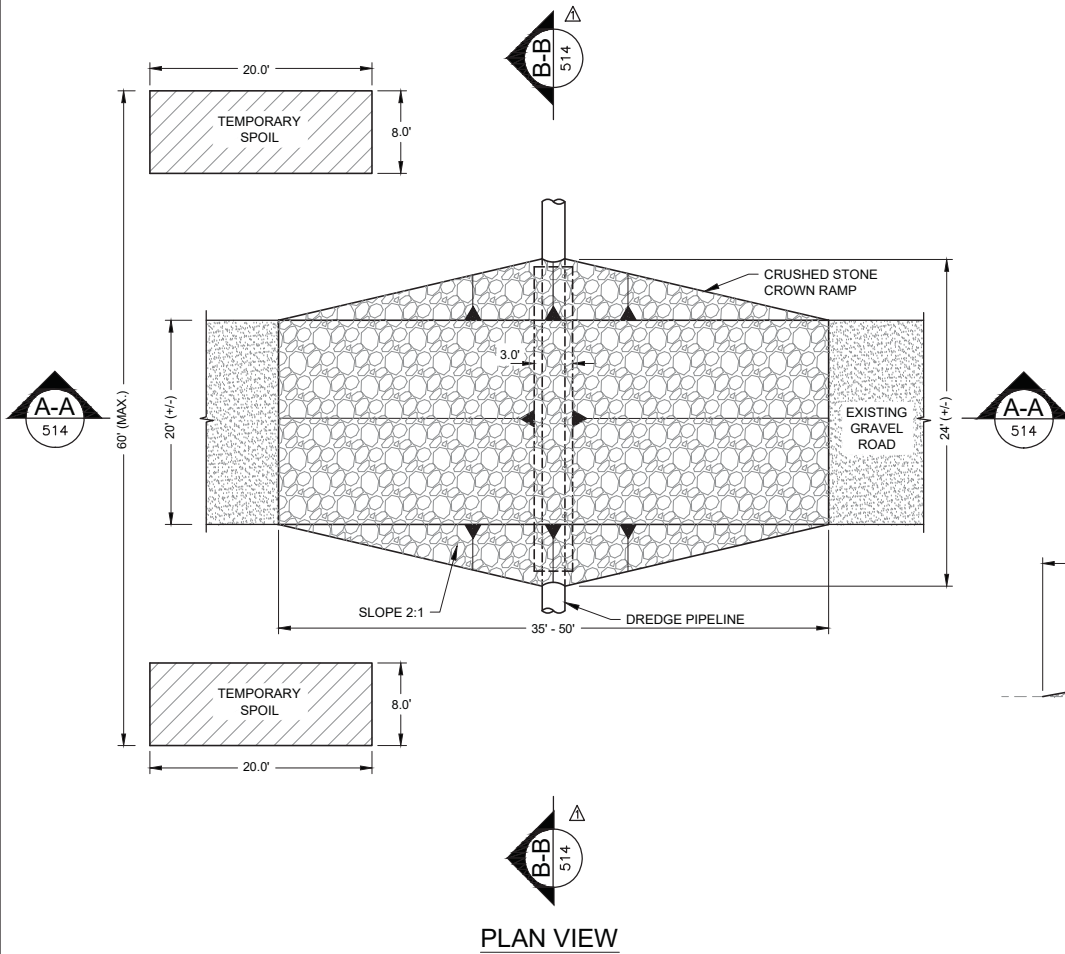
DESIGNED	CHECKED	SCALE	DATE	TIME

**APTIM**  
 THE METAIRIE CENTRE  
 614 BOBROW AVE.  
 SUITE 450  
 METAIRIE, LA. 70003 504.832.4878

**APTIM**  
 LONG DISTANCE SEDIMENT PIPELINE  
 WEST OF BARATARIA WATERWAY  
 DIRT ROAD CROSSING DETAIL

PROJECT NO. 153455
DATE MAY 2017
SHEET NO. 513

FOR PERMITTING ONLY - NOT FOR CONSTRUCTION



**GRAVEL ROAD CROSSING DETAIL**  
NOT TO SCALE

NOTE:  
THE CROWN RAMP OVER THE PIPELINE CROSSINGS SHALL CONSISTS OF CRUSHED STONE FOR FULL WIDTH AND LENGTH OF RAMP. THE CRUSH STONE MATERIAL SHALL CONFORM TO LA DOTD 2006 SPECIFICATION 1003.04 (a).



NO.	DATE	REVISION DESCRIPTION
1	03/16/18	PERMIT PLANS RE-ISSUED
2	06/07/17	ADDED DETAIL

DESIGNED	CHECKED	SCALE	DATE	TIME

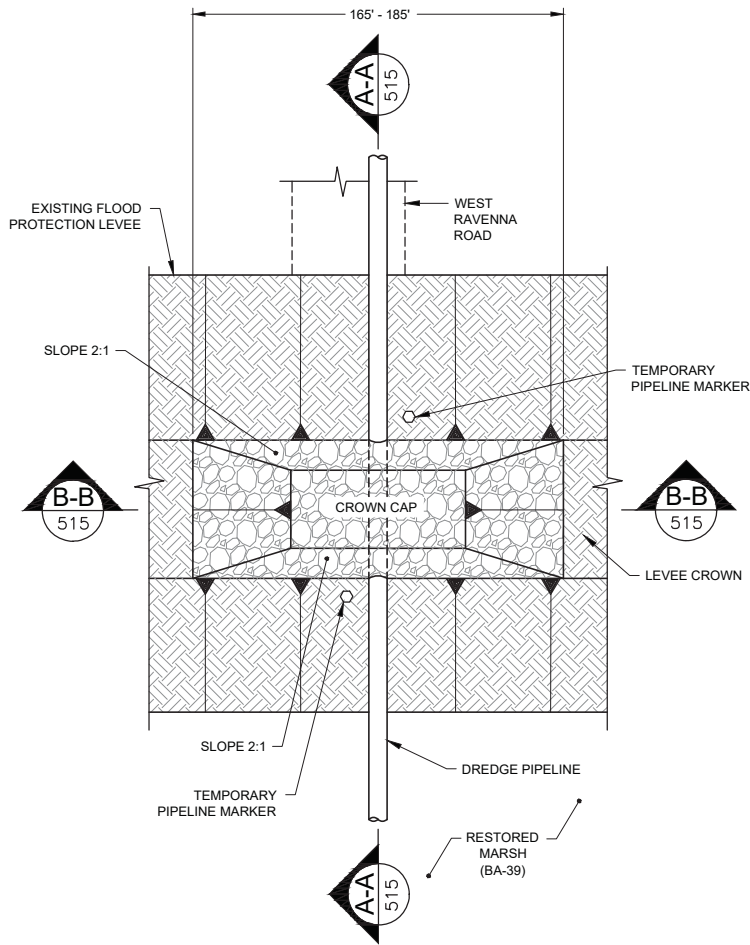
**APTIM**  
THE METAIRIE CENTRE  
100 BOBROW AVE.  
SUITE 450  
METAIRIE, LA. 70003 504.832.4878

LONG DISTANCE SEDIMENT PIPELINE  
WEST OF BARATARIA WATERWAY  
GRAVEL ROAD CROSSING DETAIL

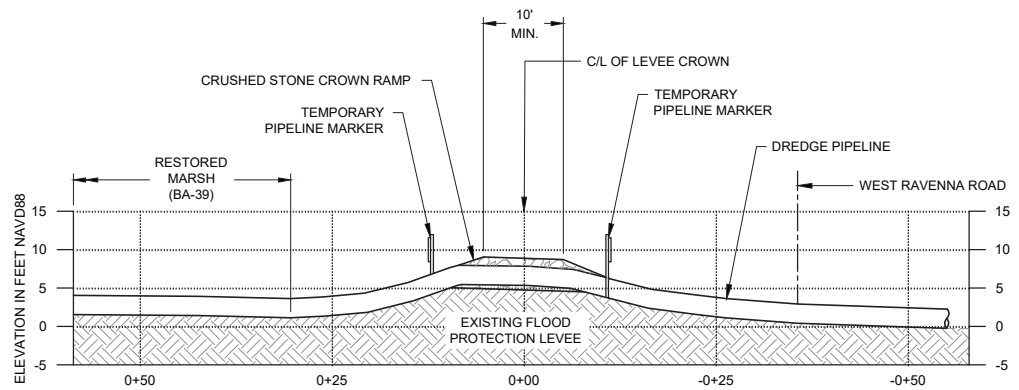
PROJECT NO. 153455
DATE MAY 2017
SHEET NO. 514

**AIMS Group, Inc.**  
Consulting Engineers  
4421 Zenith Street  
Metairie, LA 70001  
Ph: 504.887.7045  
Fax: 504.887.7088

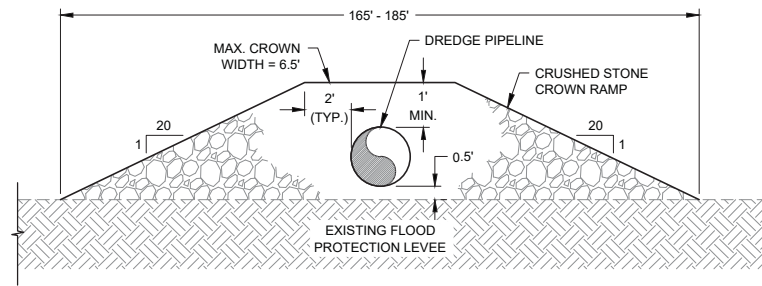
FOR PERMITTING ONLY - NOT FOR CONSTRUCTION



**PLAN VIEW**  
NOT TO SCALE



**SECTION A-A**  
SCALE: 1"=25'



**SECTION B-B**  
NOT TO SCALE

**NOTE:**

1. THE CROWN RAMP OVER THE PIPELINE CROSSINGS SHALL CONSIST OF CRUSHED STONE FOR FULL WIDTH AND LENGTH OF RAMP. THE CRUSH STONE MATERIAL SHALL CONFORM TO LA DOTD 2006 SPECIFICATION 1003.04 (a).
2. TEMPORARY PIPELINE MARKERS INDICATING OWNER, CONTENTS, AND ADDRESS FOR CONTACTING OWNER SHALL BE PLACED AND MAINTAINED AT EACH TOE OF LEVEE NEAR DREDGE PIPELINE. LOCATION TO BE APPROVED BY ENGINEER AND INCLUDED IN WORK PLAN.
3. EXISTING GRADE BASED ON JANUARY 2012 TBS SURVEY.

**FLOOD PROTECTION LEVEE CROSSING DETAIL**  
NOT TO SCALE



NO.	DATE	PERMIT PLANS RE-ISSUED	BY
1	03/16/18	RE-ISSUED	SP

SCALE	DATE	TIME

DESIGNED	CHECKED	DETAILED	CHECKED

**APTIM**  
THE METAIRIE CENTRE  
1000 BOBROW AVE.  
SUITE 400  
METAIRIE, LA. 70003 504.832.4878



LONG DISTANCE SEDIMENT PIPELINE  
WEST OF BARATARIA WATERWAY  
FLOOD PROTECTION  
LEVEE CROSSING DETAIL

PROJECT NO.  
153455

DATE  
MAY 2017

SHEET NO.  
515



**PHASE - 1  
CORRIDOR ALIGNMENT**

PT.	EASTING	NORTHING
1	3,709,295.15	439,287.46
2	3,708,833.00	439,073.60
3	3,708,745.00	439,037.80
4	3,708,378.00	438,874.90
5	3,708,210.00	438,777.60
6	3,707,468.37	438,457.08
7	3,708,010.71	436,924.44
8	3,708,151.13	433,271.33
9	3,708,274.87	432,470.08
10	3,709,020.90	428,442.06
11	3,709,207.34	427,358.82
12	3,709,640.03	426,810.80
13	3,701,112.29	423,381.44
14	3,700,741.69	423,294.08
15	3,700,538.00	423,185.19
16	3,700,424.62	422,753.89
17	3,700,308.53	422,659.59
18	3,700,145.88	422,615.52
19	3,699,761.50	422,478.14
20	3,699,047.76	421,979.44
21	3,698,472.93	421,778.59
22	3,698,209.03	421,735.03
23	3,697,614.62	421,819.58
24	3,697,345.59	421,817.02
25	3,696,976.65	421,653.04
26	3,696,595.44	421,288.58
27	3,696,457.72	420,983.63
28	3,696,265.66	420,853.30
29	3,695,810.63	420,487.43
30	3,695,480.80	420,305.26
31	3,694,958.57	420,150.54
32	3,694,425.06	420,098.06
33	3,693,702.83	420,090.22
34	3,693,324.98	419,970.64
35	3,693,181.49	419,664.54
36	3,693,138.44	419,339.30
37	3,693,047.57	419,061.89
38	3,692,722.33	418,884.92
39	3,692,387.88	418,732.22
40	3,691,538.80	418,212.58
41	3,690,560.34	417,459.37
42	3,689,830.18	416,790.07
43	3,689,499.31	416,263.43
44	3,689,218.65	415,281.97
45	3,689,054.74	414,815.39
46	3,688,249.91	413,214.21
47	3,688,283.09	407,203.22
48	3,687,861.43	407,299.85
49	3,687,344.87	407,141.21
50	3,687,223.27	408,938.83
51	3,687,273.39	403,722.11
52	3,686,355.04	403,722.11
53	3,685,124.98	403,693.14
54	3,684,546.62	403,857.35
55	3,681,882.06	403,197.09

**PROPOSED PHASE - 2  
CORRIDOR ALIGNMENT**

PT.	EASTING	NORTHING
56	3,681,100.11	402,626.99
57	3,676,992.87	399,632.47
58	3,676,936.35	399,568.85
59	3,676,414.36	398,640.11
60	3,676,388.75	398,538.26
61	3,676,545.34	390,428.13
62	3,676,348.61	390,224.30
63	3,662,353.17	389,998.57
64	3,662,157.57	389,776.99
65	3,662,361.55	387,899.71
66	3,662,162.72	387,678.11
67	3,653,271.75	387,678.11
68	3,653,108.61	387,762.40
69	3,650,837.37	390,964.68
70	3,650,828.15	390,977.80
71	3,649,905.77	392,540.35
72	3,649,807.12	392,624.61
73	3,648,475.83	393,151.03
74	3,648,447.17	393,159.94
75	3,647,367.25	393,408.65
76	3,647,313.05	393,413.54
77	3,641,033.07	393,120.88
78	3,640,843.74	392,897.85
79	3,641,050.34	391,132.34
80	3,640,952.75	390,936.50
81	3,638,956.56	389,767.81
82	3,638,926.63	389,746.36
83	3,637,500.36	388,510.40
84	3,637,457.55	388,458.25
85	3,635,676.12	385,330.91

**ACCESS CHANNEL ALIGNMENT**

PT.	EASTING	NORTHING
1	3,674,003.32	417,761.76
2	3,674,374.61	417,984.33
3	3,674,549.10	417,843.37
4	3,674,605.34	417,650.30
5	3,674,768.33	417,626.30
6	3,874,891.14	417,524.69
7	3,675,173.97	417,404.50
8	3,675,374.37	417,400.08
9	3,675,899.41	417,192.18
10	3,676,242.80	417,171.66
11	3,676,428.65	417,358.88
12	3,676,548.44	417,686.20
13	3,676,739.59	417,811.17
14	3,677,375.53	417,869.55
15	3,677,870.90	417,830.11
16	3,678,337.82	417,708.89
17	3,678,811.83	417,514.80
18	3,679,772.32	416,805.21
19	3,679,930.74	416,596.04
20	3,680,221.29	416,069.93
21	3,680,593.81	415,970.76
22	3,680,718.25	415,816.36
23	3,680,950.88	415,619.43
24	3,681,378.51	415,564.60
25	3,681,635.27	415,496.11
26	3,681,977.36	415,432.46
27	3,682,205.59	415,229.13
28	3,682,250.83	415,129.57
29	3,682,397.09	414,968.27
30	3,683,138.30	414,802.76
31	3,683,474.36	414,513.64
32	3,683,792.94	414,308.27
33	3,884,035.91	414,239.78
34	3,684,285.57	414,253.96
35	3,684,542.75	414,352.05
36	3,684,764.87	414,409.57
37	3,685,015.36	414,387.73
38	3,685,168.42	414,252.81
39	3,685,281.66	414,088.33
40	3,685,359.42	414,002.16
41	3,685,450.50	413,949.56
42	3,685,898.07	413,778.66
43	3,686,447.21	413,686.62
44	3,686,740.16	413,671.24
45	3,687,188.62	413,691.73
46	3,687,438.03	413,721.65
47	3,687,616.06	413,782.04
48	3,687,710.79	413,852.06
49	3,687,766.22	414,034.24
50	3,687,811.91	414,175.11
51	3,687,930.02	414,339.53
52	3,688,053.13	414,460.19
53	3,688,138.44	414,524.38
54	3,688,306.59	414,717.17
55	3,688,397.69	414,842.33
56	3,688,450.73	414,937.10
57	3,688,547.73	415,047.00
58	3,688,627.47	415,092.91
59	3,688,728.80	415,115.08
60	3,888,878.22	415,127.36
61	3,689,243.43	415,004.47



NO.	DATE	PERMIT PLANS RE-ISSUED	DESCRIPTION	BY
1	03/16/18			

SCALE	DATE	TIME

DESIGNED	CHECKED	DETAILED	CHECKED


**APTIM**  
 THE METAIRIE CENTRE  
 1000 BOBROW AVE.  
 SUITE 450  
 METAIRIE, LA. 70003 504.832.4878

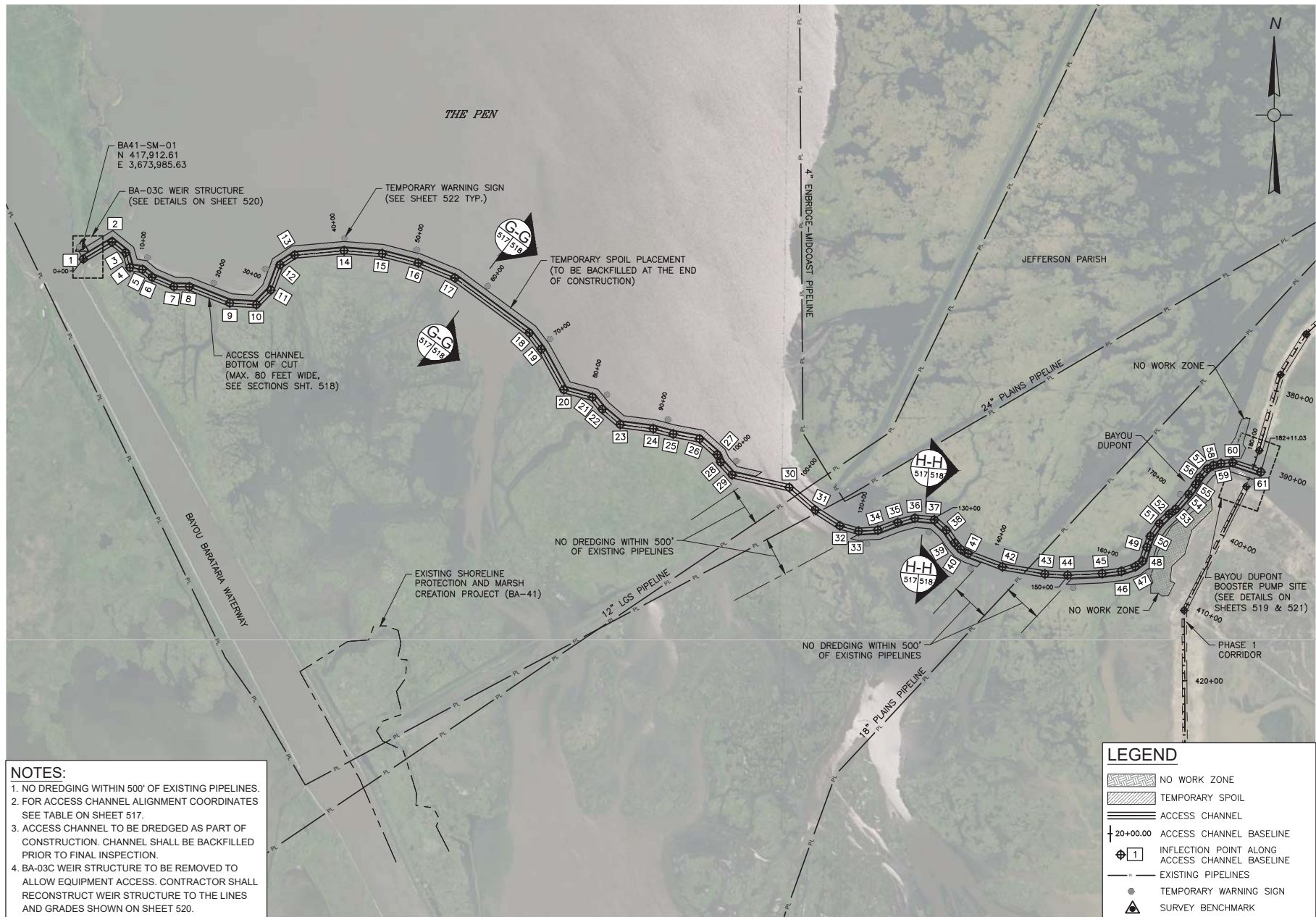
LONG DISTANCE SEDIMENT PIPELINE  
 WEST OF BARATARIA WATERWAY  
 PROJECT ALIGNMENT TABLES

PROJECT NO.  
153455

DATE  
MAY 2017

SHEET NO.  
516

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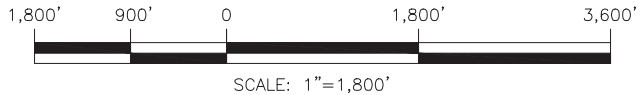
- NOTES:**
1. NO DREDGING WITHIN 500' OF EXISTING PIPELINES.
  2. FOR ACCESS CHANNEL ALIGNMENT COORDINATES SEE TABLE ON SHEET 517.
  3. ACCESS CHANNEL TO BE DREDGED AS PART OF CONSTRUCTION. CHANNEL SHALL BE BACKFILLED PRIOR TO FINAL INSPECTION.
  4. BA-03C WEIR STRUCTURE TO BE REMOVED TO ALLOW EQUIPMENT ACCESS. CONTRACTOR SHALL RECONSTRUCT WEIR STRUCTURE TO THE LINES AND GRADES SHOWN ON SHEET 520.

**LEGEND**

- NO WORK ZONE
- TEMPORARY SPOIL
- ACCESS CHANNEL
- +20+00.00 ACCESS CHANNEL BASELINE
- INFLECTION POINT ALONG ACCESS CHANNEL BASELINE
- EXISTING PIPELINES
- TEMPORARY WARNING SIGN
- SURVEY BENCHMARK

NOTE:  
SEE SHEET 006 FOR IMAGERY DISCLAIMER CITATION PROVIDED BY THE REGIONAL PLANNING COMMISSION AND THE UNITED STATES DEPARTMENT OF AGRICULTURE (USDA).

**ACCESS CHANNEL LAYOUT**



**AIMS Group, Inc.**  
Consulting Engineers  
4421 Zephyr Street  
Metairie, LA 70001  
Ph: 504.887.7045  
Fax: 504.887.7088



NO.	DATE	REVISION DESCRIPTION	BY
1	07/25/18	CITATION NOTE REVISION	SPL
2	03/16/18	PERMIT PLANS RE-ISSUED	SPL

DESIGNED	CHECKED	DATE	TIME

**APTIM**  
THE METAIRIE CENTRE  
1400 BARRON AVE.  
SUITE 650  
METAIRIE, LA 70001 504.832.4878

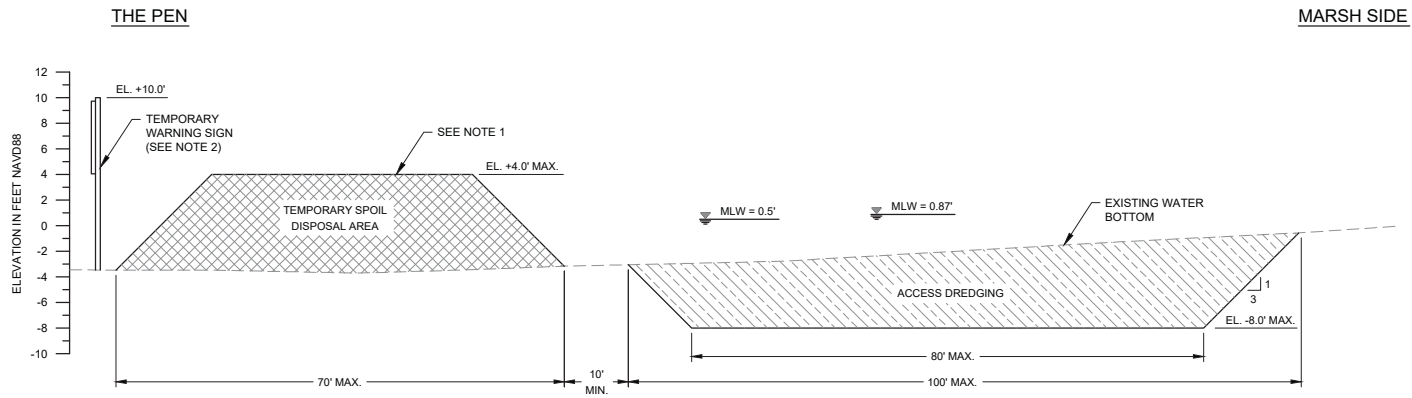
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WEST OF BARATARIA WATERWAY

ACCESS CHANNEL LAYOUT

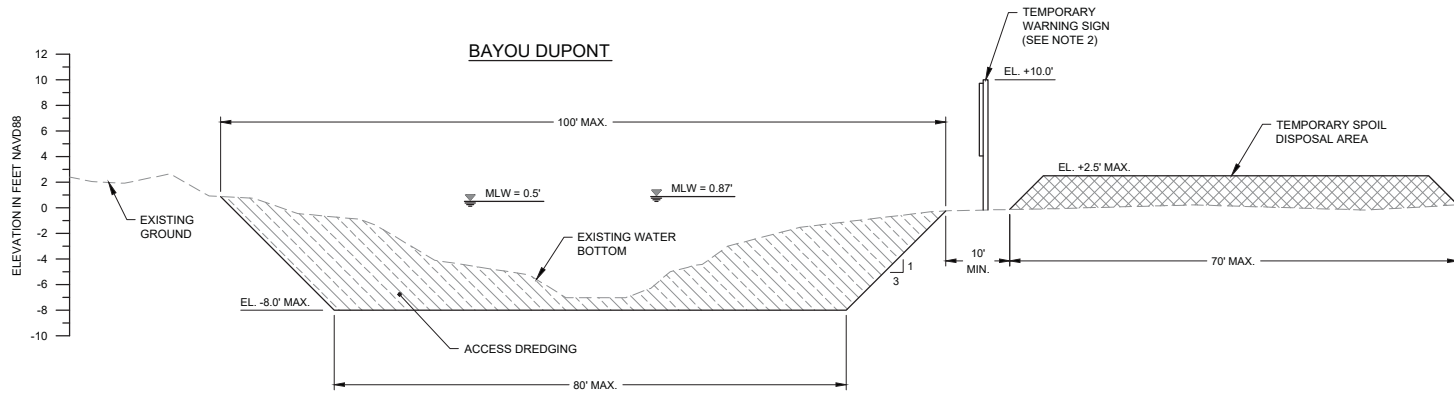
PROJECT NO. 153455
DATE MAY 2017
SHEET NO. 517



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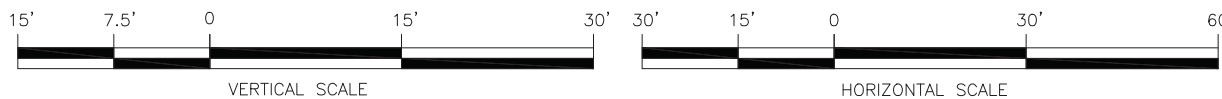
**G-G** TYPICAL ACCESS CHANNEL SECTION @ THE PEN  
517/518



**H-H** TYPICAL ACCESS CHANNEL SECTION @ BAYOU DUPONT  
517/518

**LEGEND**

- TEMPORARY SPOIL DISPOSAL AREA
- ACCESS DREDGING
- DESIGN GRADE
- EXISTING GRADE



**NOTES:**

1. MATERIAL EXCAVATED TO CONSTRUCT THE ACCESS CHANNEL SHALL BE PLACED ON THE LAKE SIDE AND BACKFILLED INTO THE ACCESS CHANNEL PRIOR TO FINAL INSPECTION. TEMPORARY SPOIL SHALL NOT BE PLACED ON EXISTING MARSH.
2. TEMPORARY WARNING SIGNS SHALL BE PLACED AT A MAXIMUM SPACING OF 1,000 FT. ALONG ALL TEMPORARY SPOIL DISPOSAL AREAS.
3. ACCESS CHANNEL TO BE DREDGED AS PART OF CONSTRUCTION. CHANNEL SHALL BE BACKFILLED PRIOR TO FINAL INSPECTION.



	PERMIT PLANS RE-ISSUED 03/16/18 NO. DATE
	REVISION DESCRIPTION BY

SCALE	DATE	TIME
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DESIGNED	CHECKED	DETAILED	CHECKED
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**APTIM**  
 THE METAIRIE CENTRE  
 1000 BOYD AVE.  
 SUITE 450  
 METAIRIE, LA. 70003 504.832.4878

LONG DISTANCE SEDIMENT PIPELINE  
 WEST OF BARATARIA WATERWAY  
 TYPICAL ACCESS CHANNEL SECTIONS

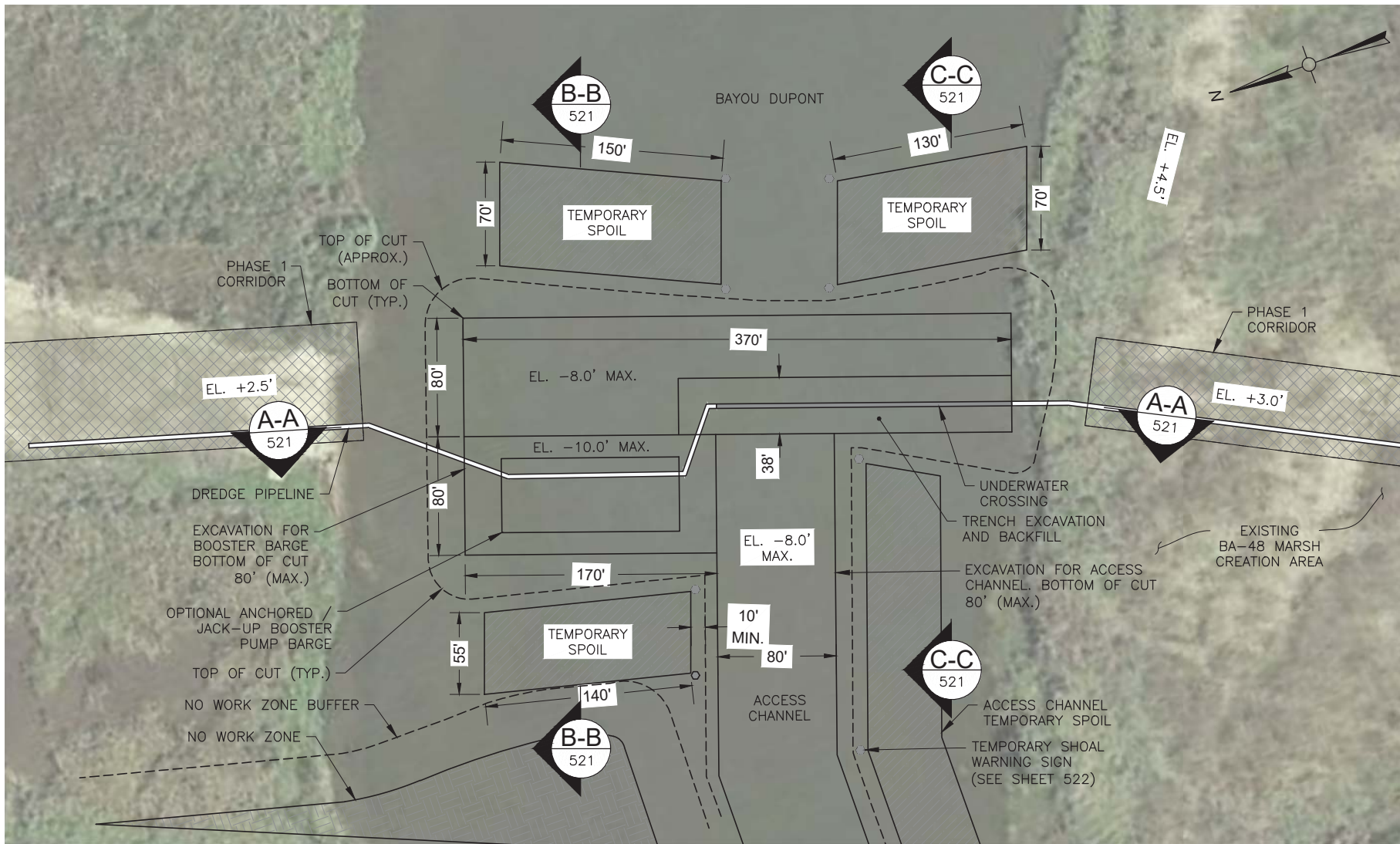
PROJECT NO.  
153455

DATE  
MAY 2017

SHEET NO.  
**518**

**AIMS Group, Inc.**  
 Consulting Engineers  
4421 Zenith Street  
 Metairie, LA 70001  
 Ph: 504.887.7045  
 Fax: 504.887.7088

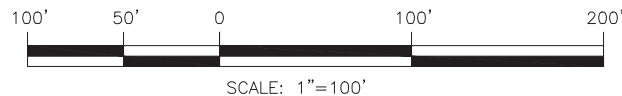
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**LEGEND**

- SEDIMENT PIPELINE
- SEDIMENT PIPELINE (BURIED)
- PIPELINE CORRIDOR
- EXCAVATION
- TRENCH EXCAVATION
- TEMPORARY SPOIL
- NO WORK ZONE
- TEMPORARY WARNING SIGN

**BAYOU DUPONT CROSSING DETAIL**



NOTE:  
SEE SHEET 006 FOR IMAGERY DISCLAIMER CITATION PROVIDED BY THE REGIONAL PLANNING COMMISSION AND THE UNITED STATES DEPARTMENT OF AGRICULTURE (USDA).



NO.	DATE	REVISION DESCRIPTION	SPL	BY
1	07/25/18	CITATION NOTE REVISION	SPL	
2	03/16/18	PERMIT PLANS RE-ISSUED	SPL	

DESIGNED	CHECKED	SCALE	DATE	TIME
DETAILED	CHECKED			

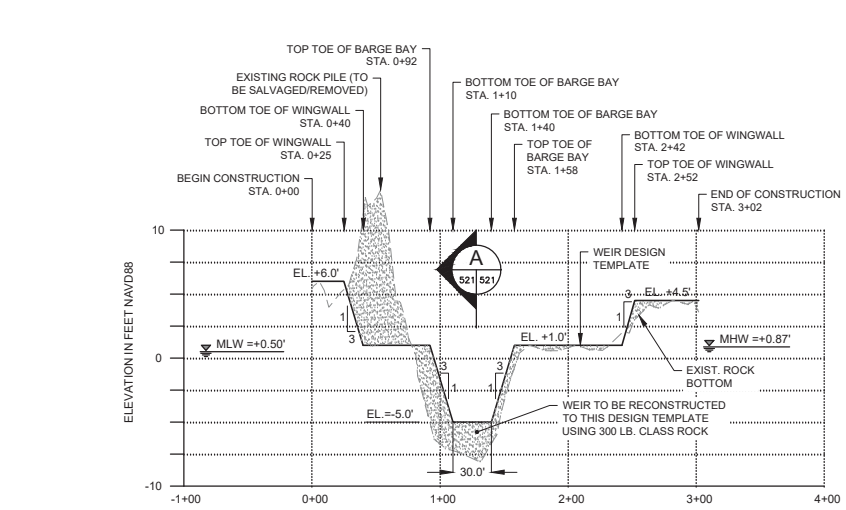
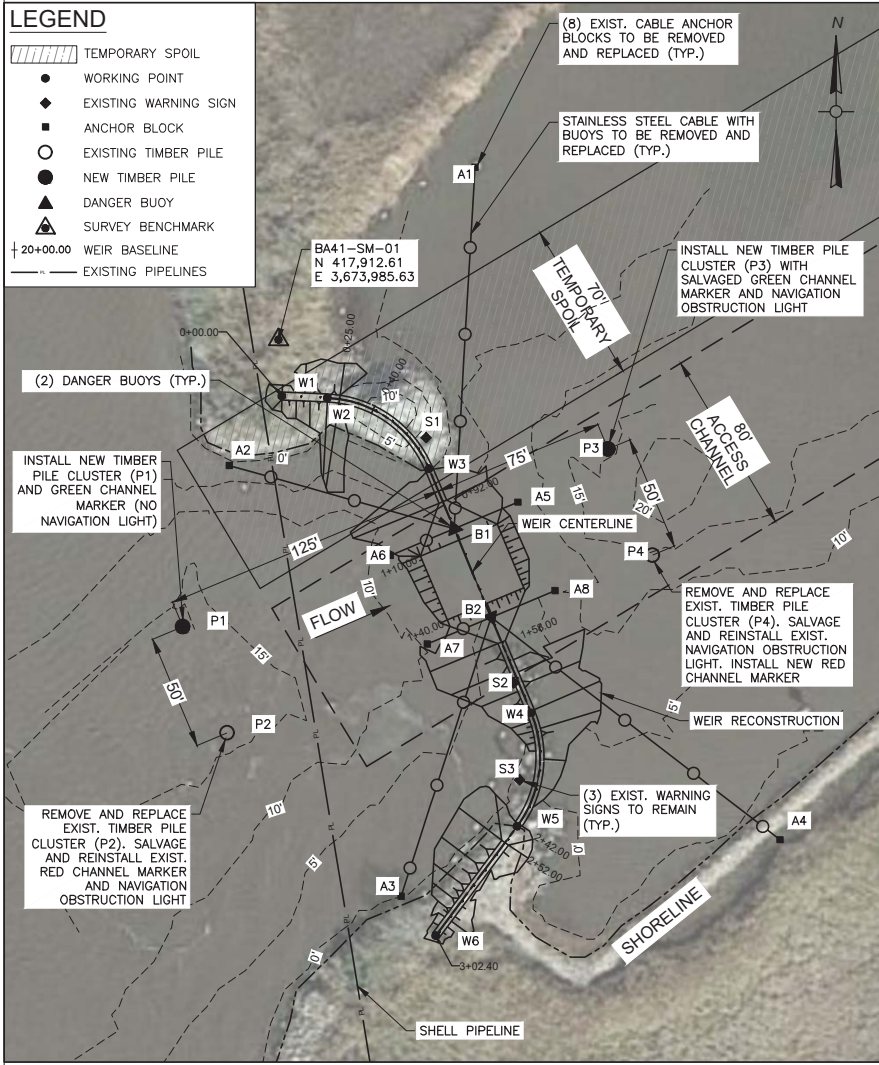
APTIM  
THE METAIRIE CENTRE  
1400 BOGARD AVENUE  
SUITE 650  
METAIRIE, LA. 70001 504.832.4878

LONG DISTANCE SEDIMENT PIPELINE  
WEST OF BARATARIA WATERWAY  
BAYOU DUPONT CROSSING DETAIL

PROJECT NO. 153455
DATE MAY 2017
SHEET NO. 519

AIMS Group, Inc.  
Consulting Engineers  
4421 Zenith Street  
Metairie, LA 70001  
Ph: 504.887.7045  
Fax: 504.887.7088

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**NAVIGATION SIGNS AND OBSTRUCTION LIGHTS COORDINATES**

PT.	EASTING	NORTHING
P1	3,673,944.08	417,788.05
P2	3,673,963.36	417,741.92
P3	3,674,128.60	417,865.19
P4	3,674,147.89	417,819.06

**ANCHOR BLOCK COORDINATES**

PT.	EASTING	NORTHING
A1	3,674,070.89	417,987.48
A2	3,673,964.21	417,858.02
A3	3,674,038.87	417,671.12
A4	3,674,203.23	417,695.60
A5	3,674,089.51	417,842.12
A6	3,674,034.15	417,818.97
A7	3,674,050.22	417,780.53
A8	3,674,105.58	417,803.68

**WEIR CENTERLINE COORDINATES**

PT.	EASTING	NORTHING
W1	3,673,987.11	417,888.11
W2	3,674,006.87	417,887.29
W3	3,674,050.93	417,856.62
W4	3,674,095.27	417,750.57
W5	3,674,089.21	417,701.38
W6	3,674,053.83	417,653.97

**NAVIGATIONAL BUOY COORDINATES**

PT.	EASTING	NORTHING
B1	3,674,061.83	417,830.55
B2	3,674,077.90	417,792.11

1  
517/520

**BAYOU DUPONT WEIR STRUCTURE DETAILS**

**AIMS Group, Inc.**  
Consulting Engineers  
4421 Zenith Street  
Metairie, LA 70001  
Ph: 504.887.7045  
Fax: 504.887.7088



NO.	DATE	REVISION DESCRIPTION
1	03/16/18	PERMIT PLANS RE-ISSUED
2	07/25/18	CITATION NOTE REVISION
SPL		
BY		

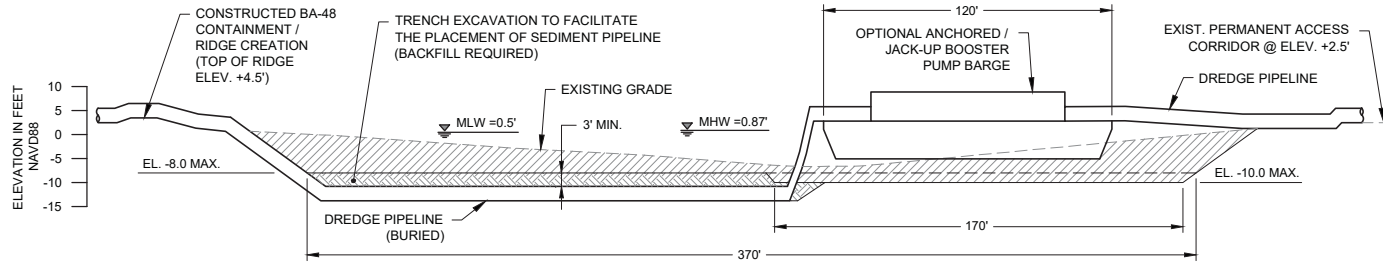
DESIGNED	CHECKED	SCALE
DETAILED	CHECKED	DATE
		TIME

**APTIM**  
THE METAIRIE CENTRE  
1000 BARRON AVE.  
SUITE 650  
METAIRIE, LA 70003 504.832.4878

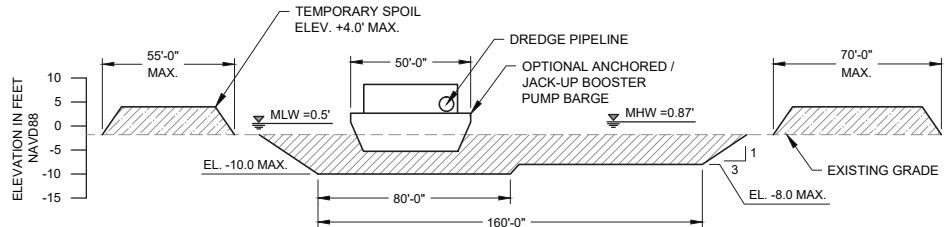
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WEST OF BARATARIA WATERWAY  
BAYOU DUPONT  
WEIR STRUCTURE DETAILS

PROJECT NO. 153455
DATE MAY 2017
SHEET NO. 520

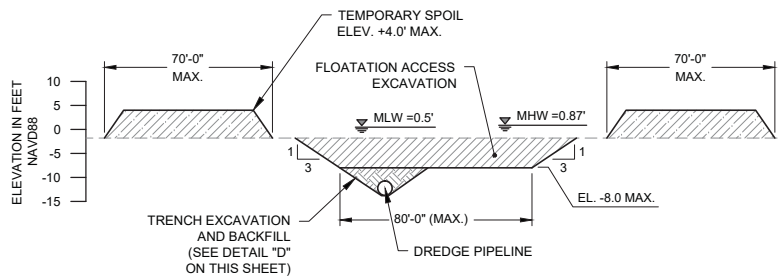
FOR PERMITTING ONLY - NOT FOR CONSTRUCTION



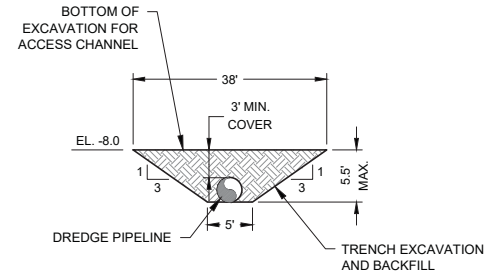
**A-A** PROFILE  
519 SCALE: 1"=80'



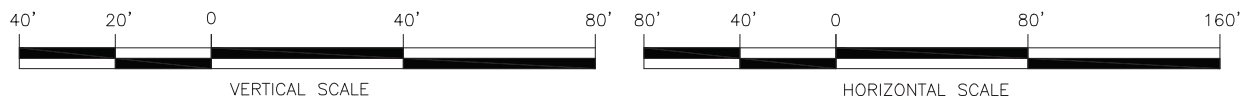
**B-B** CROSS SECTION  
519 SCALE: 1"=80'



**C-C** CROSS SECTION  
519 SCALE: 1"=80'



**D** TRENCH DETAIL  
519 NOT TO SCALE



NO.	DATE	PERMIT PLANS RE-ISSUED	BY
1	03/16/18	RE-ISSUED	SPL
		REVISION	DESCRIPTION

DESIGNED	CHECKED	SCALE	DATE	TIME

DETAILED	CHECKED

**APTIM**  
THE METAIRIE CENTRE  
600 BOBROW AVE.  
SUITE 450  
METAIRIE, LA. 70003 504.832.4878

**APTIM**  
LONG DISTANCE SEDIMENT PIPELINE  
WEST OF BARATARIA WATERWAY  
BAYOU DUPONT BOOSTER PUMP SITE  
TYPICAL DETAILS

PROJECT NO.  
153455

DATE  
MAY 2017

SHEET NO.  
521



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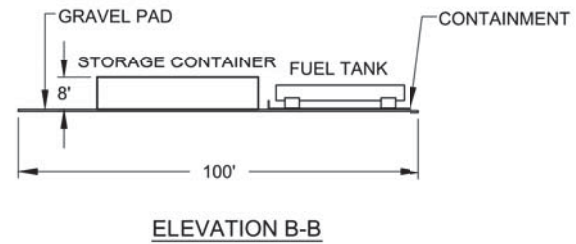
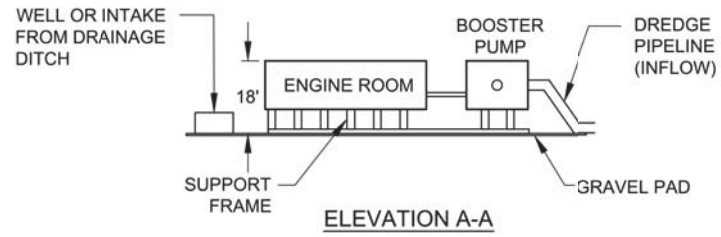
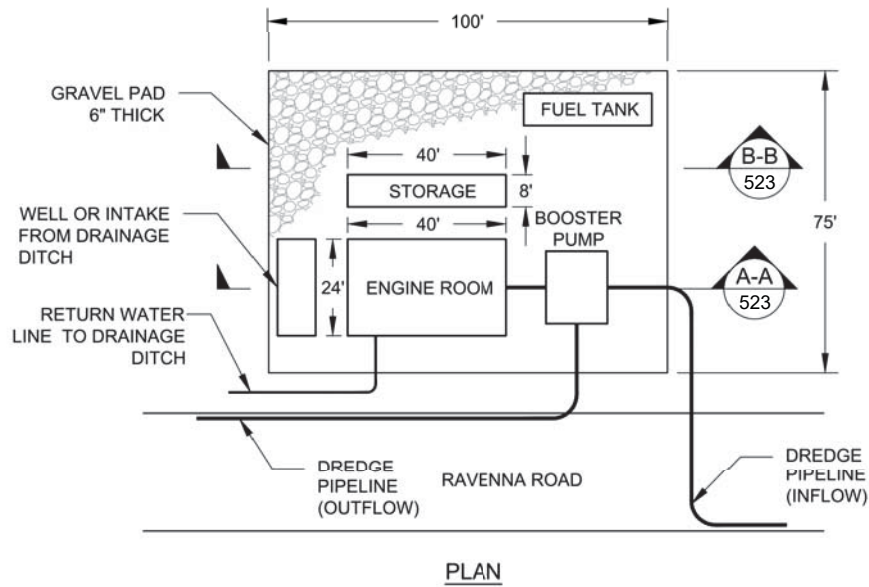
NO.	DATE	REVISION DESCRIPTION	BY
1	03/16/18	PERMIT PLANS RE-ISSUED	SPL

DESIGNED	CHECKED	DATE	TIME
DETAILED	CHECKED		

**APTIM**  
 THE METAIRIE CENTRE  
 4421 ZENITH STREET  
 SUITE 450  
 METAIRIE, LA. 70003 504.887.4878

LONG DISTANCE SEDIMENT PIPELINE  
 WEST OF BARATARIA WATERWAY  
 LANDSIDE BOOSTER PUMP  
 PLAN AND ELEVATIONS

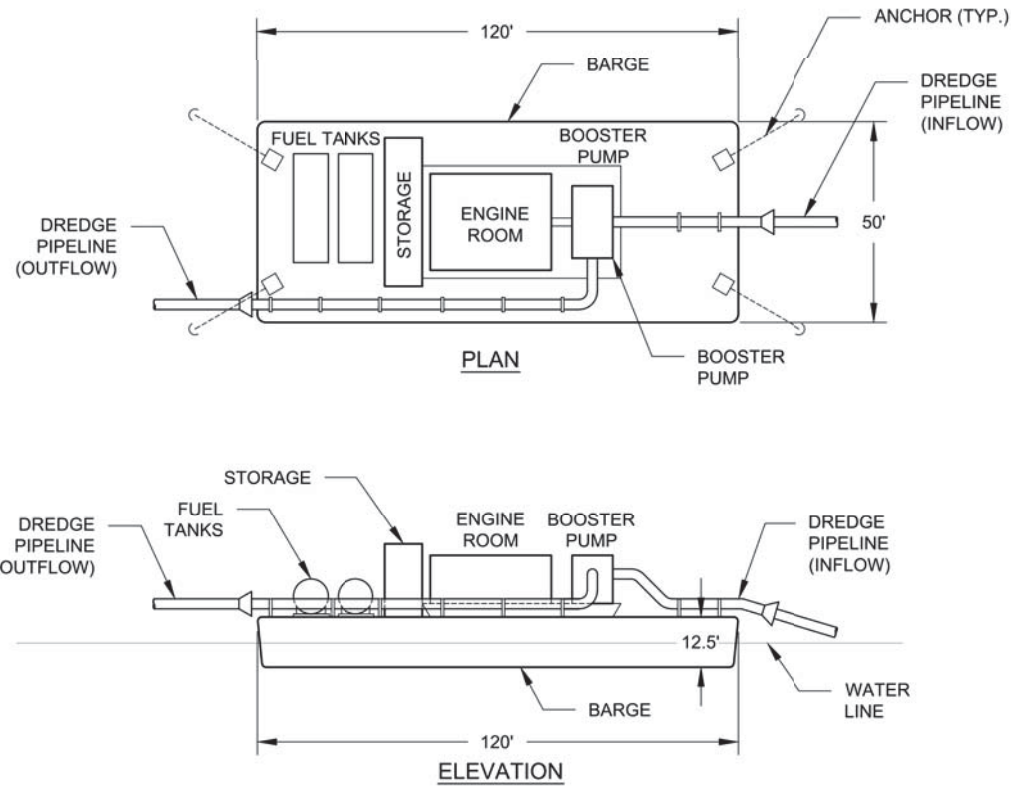
PROJECT NO.	153455
DATE	MAY 2017
SHEET NO.	523



**1**  
 202 **LANDSIDE BOOSTER PUMP DETAILS**  
 NOT TO SCALE

NOTE:  
 TYPICAL LANDSIDE BOOSTER SETUP. ACTUAL MAY VARY.

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**1** **FLOATING BOOSTER PUMP DETAILS**  
 506 NOT TO SCALE

NOTE:  
 TYPICAL FLOATING BOOSTER SETUP.  
 ACTUAL MAY VARY.



NO.	DATE	PERMIT PLANS RE-ISSUED	BY
1	03/16/18		

DESIGNED	CHECKED	SCALE	DATE	TIME

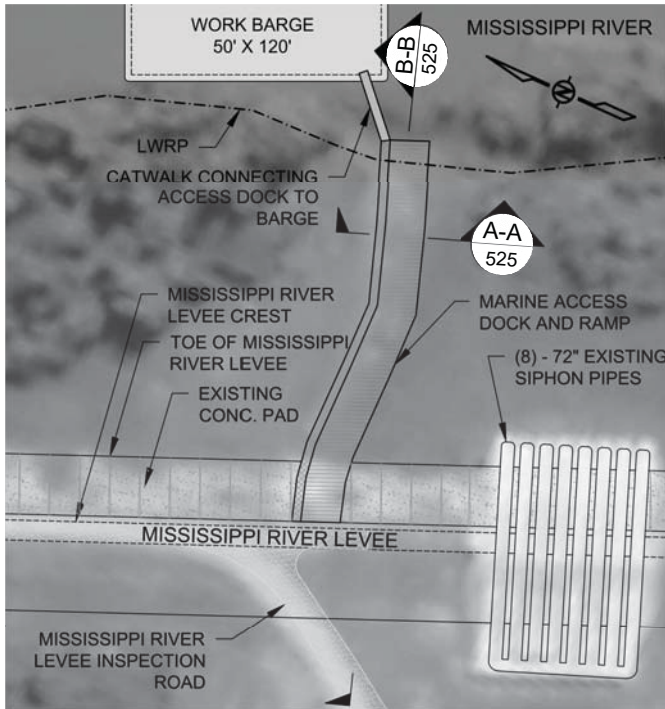
**APTIM**  
 THE METAIRIE CENTRE  
 1111 BOBROW AVE.  
 SUITE 450  
 METAIRIE, LA. 70003 504.832.4878

LONG DISTANCE SEDIMENT PIPELINE  
 WEST OF BARATARIA WATERWAY  
 FLOATING BOOSTER PUMP  
 PLAN AND ELEVATIONS

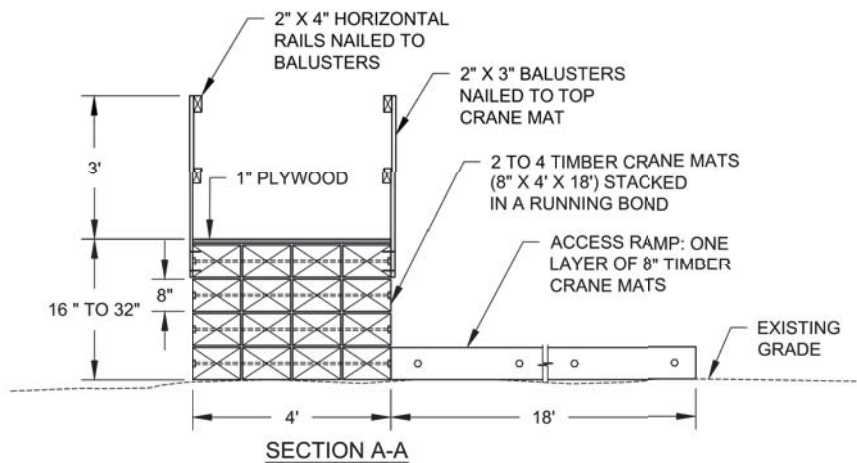
PROJECT NO.  
 153455

DATE  
 MAY 2017

SHEET NO.  
 524



**PLAN VIEW**

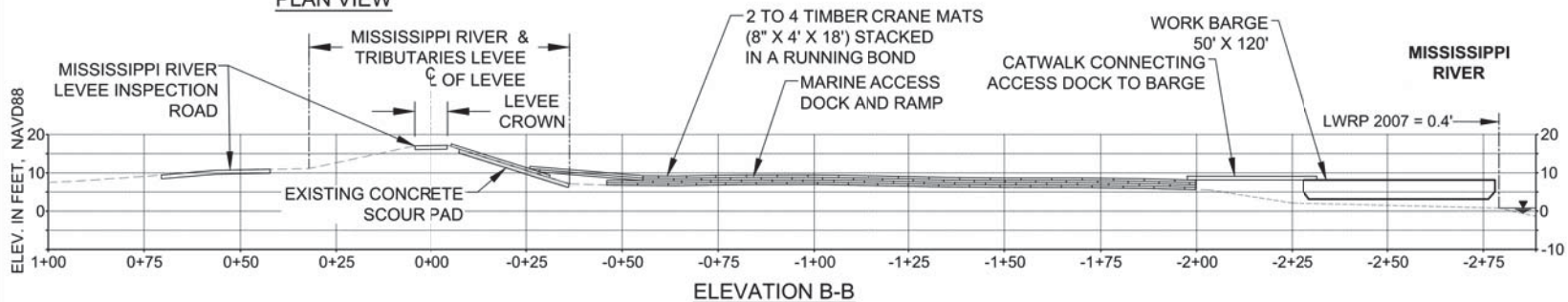


**SECTION A-A**

**NOTES:**

1. EXISTING GRADES BASED ON JANUARY 2012 TBS SURVEY.
2. TEMPORARY MARINE ACCESS DOCK WILL BE PLACED TO FACILITATE CONSTRUCTION PERSONNEL ACCESS TO THE MISSISSIPPI RIVER.
3. ACCESS DOCK DETAILS BASED ON BA-39 PROJECT CONSTRUCTION. ACTUAL DETAILS MAY VARY BUT WILL HAVE TO BE INCLUDED IN THE CONTRACTOR'S WORK PLAN FOR APPROVAL BY THE ENGINEER PRIOR TO CONSTRUCTION AND PLACED WITHIN THE CONSTRUCTION LIMITS.
4. ACCESS DOCK TO BE COMPLETELY REMOVED AFTER PROJECT IS COMPLETE.

**1** **TEMPORARY MARINE ACCESS DOCK DETAILS**  
506 NOT TO SCALE



**ELEVATION B-B**



NO.	DATE	PERMIT PLANS RE-ISSUED	BY
1	03/16/18	RE-ISSUED	SPL

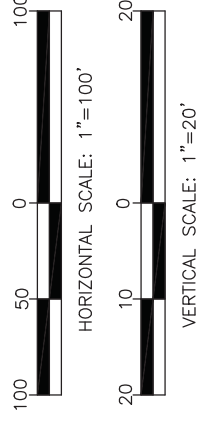
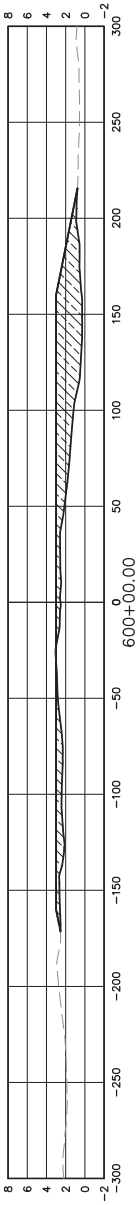
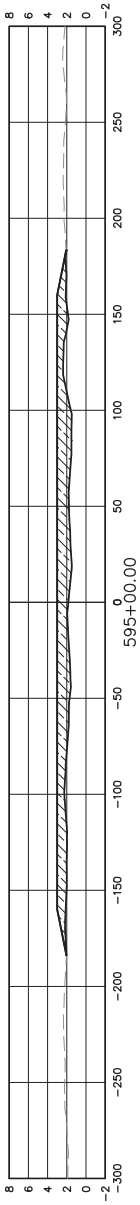
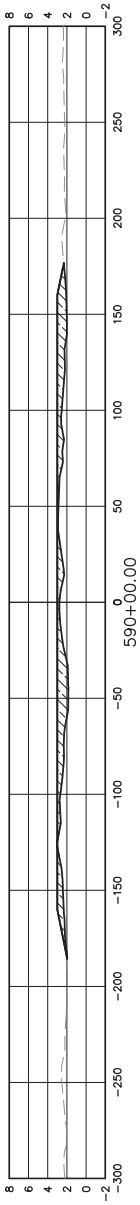
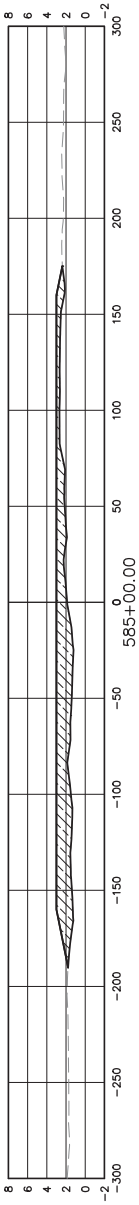
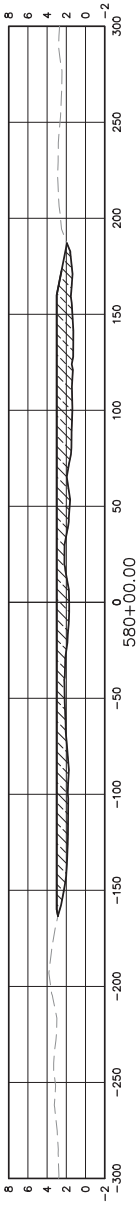
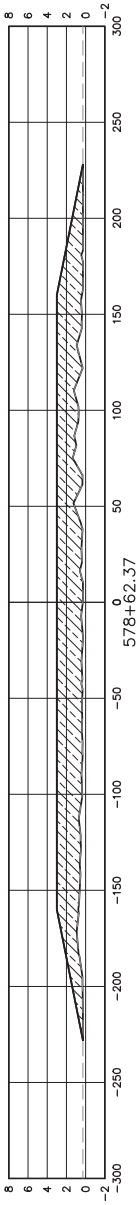
DESIGNED	CHECKED	SCALE	DATE	TIME

**APTIM**  
 THE METAIRIE CENTRE  
 4421 ZENITH STREET  
 SUITE 450  
 METAIRIE, LA. 70003 504.887.4878

LONG DISTANCE SEDIMENT PIPELINE  
 WEST OF BARATARIA WATERWAY  
 TEMPORARY MARINE  
 ACCESS DOCK DETAILS

PROJECT NO. 153455
DATE MAY 2017
SHEET NO. 525





  
**AIMS Group, Inc.**  
 Consulting Engineers  
 2424 LeBorne Ave.  
 Metairie, LA 70001  
 Phone: 504.887.7000  
 Fax: 504.887.7005  
 8/6/2018 1:14 PM

LONG DISTANCE SEDIMENT PIPELINE  
 WEST OF BARATARIA WATERWAY  
 DESIGN CROSS SECTIONS

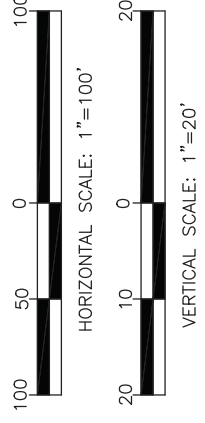
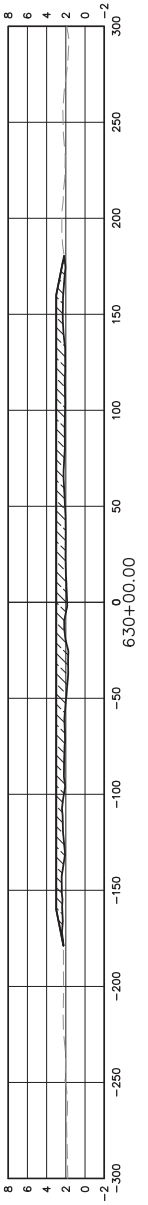
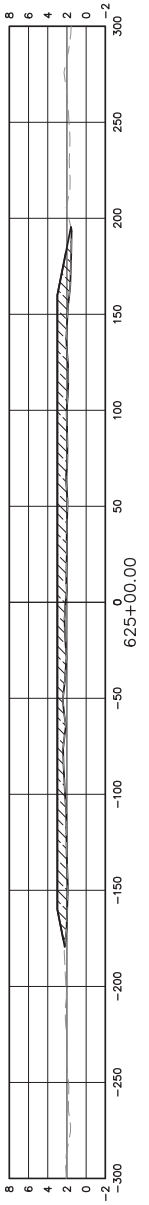
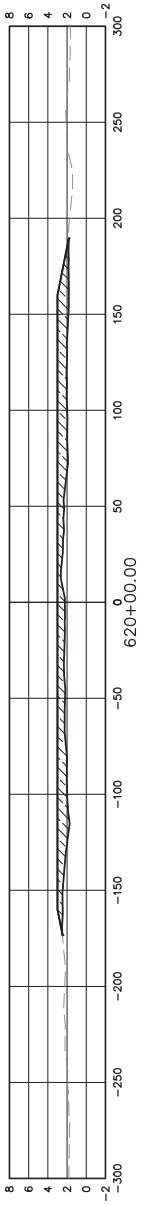
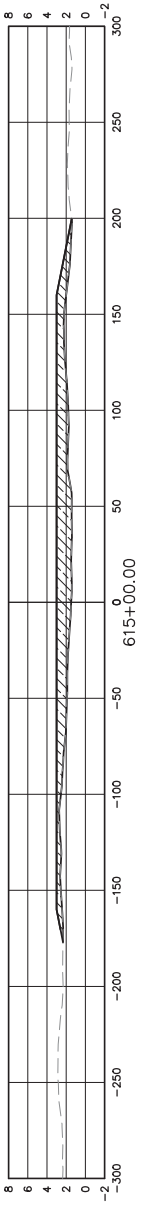
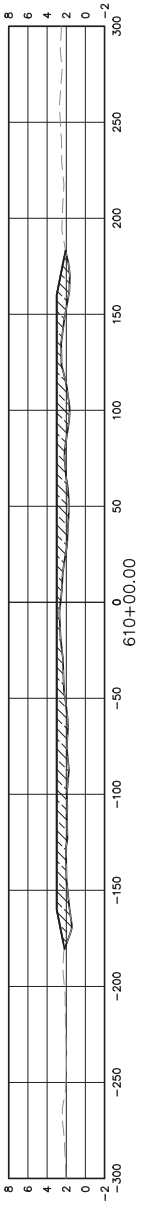
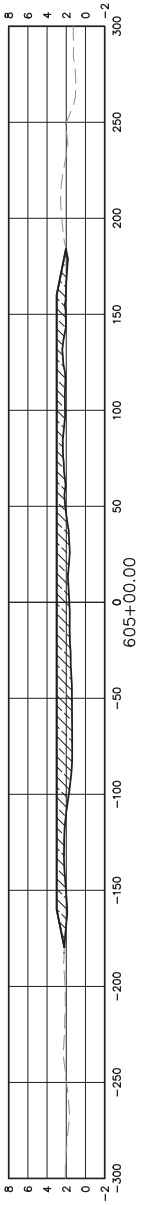
PROJECT NO.  
 153455


DATE  
 MAY 2017  
 SHEET NO.  
**601**

**APTIM**  
 THE METAIRIE CENTRE  
 2424 LeBorne Ave.  
 Metairie, LA 70001 504.882.4878

DESIGNED	
CHECKED	
SCALE	
DATE	2018/08/06
TIME	1:14 PM
CHECKED	
NO.	Δ
DATE	07/25/18
FOR PERMIT RE-ISSUE	
REVISION DESCRIPTION	
BY	SPL





  
**AIMS Group, Inc.**  
 Consulting Engineers  
 2424 LeBorgne Ave.  
 Metairie, LA 70001  
 Phone: 504.887.7000  
 Fax: 504.887.7005  
 8/6/2018 1:14 PM

LONG DISTANCE SEDIMENT PIPELINE  
 WEST OF BARATARIA WATERWAY  
 DESIGN CROSS SECTIONS

PROJECT NO.  
 153455

DATE  
 MAY 2017  
 SHEET NO.  
**602**

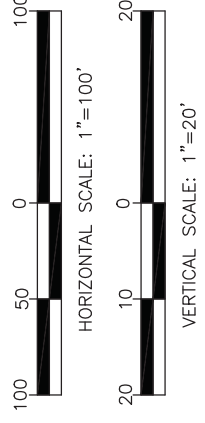
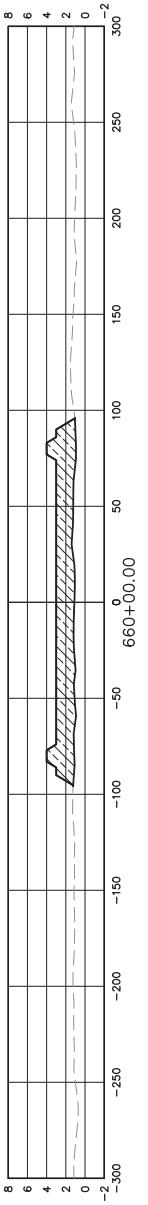
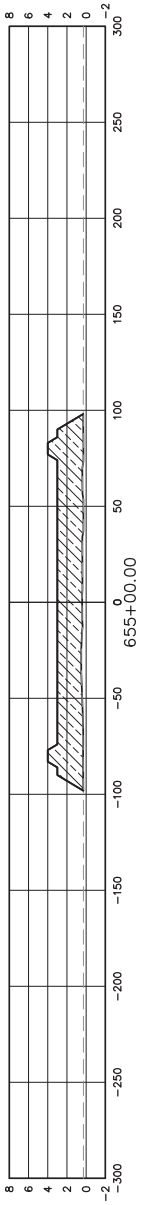
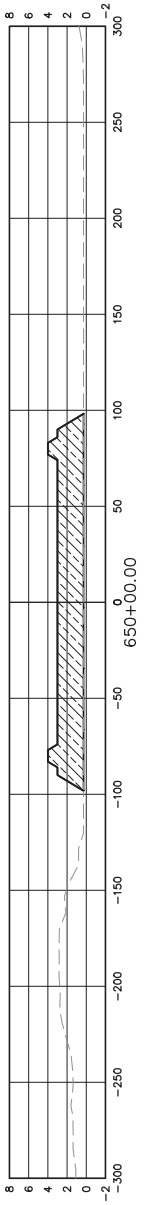
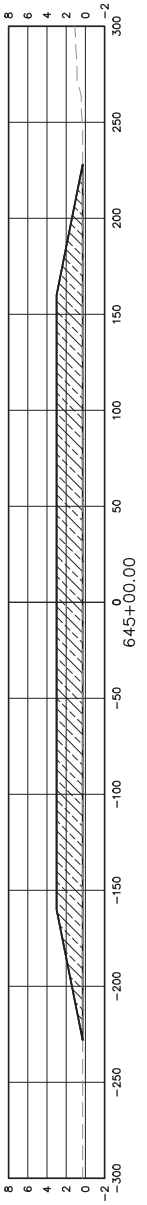
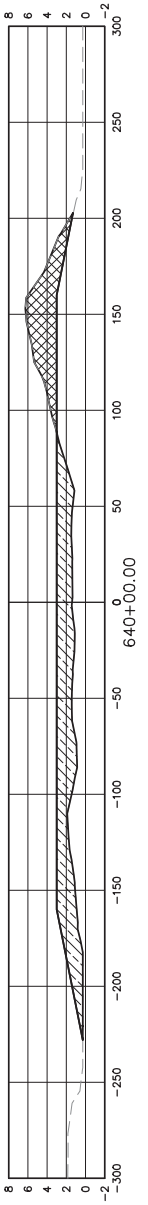
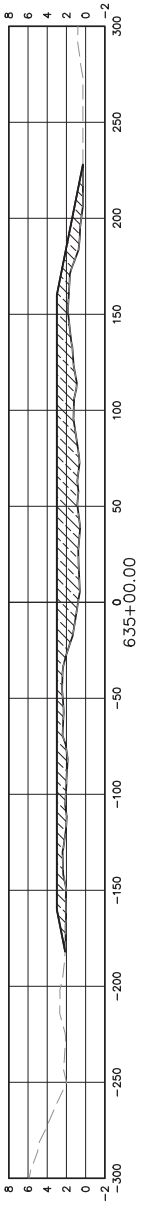
**APTIM**  
 THE METAIRIE CENTRE  
 2424 LeBORGNE AVE.  
 METAIRIE, LA 70001 504.882.4878

DESIGNED  
 CHECKED  
 DETAILED  
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SCALE  
 DATE  
 2018/08/06  
 TIME  
 1:14 PM

NO.  $\Delta$   
 DATE  
 07/25/18  
 FOR PERMIT RE-ISSUE  
 REVISION DESCRIPTION  
 BY  
 SPL





AMS Group, Inc.  
 Consulting Engineers  
 2424 LeBorgne Ave.  
 Metairie, LA 70001  
 8/6/2018 1:14 PM

LONG DISTANCE SEDIMENT PIPELINE  
 WEST OF BARATARIA WATERWAY  
 DESIGN CROSS SECTIONS

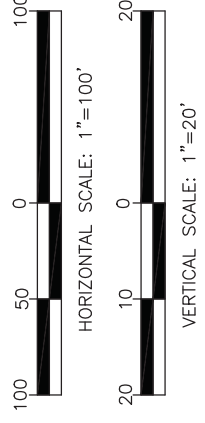
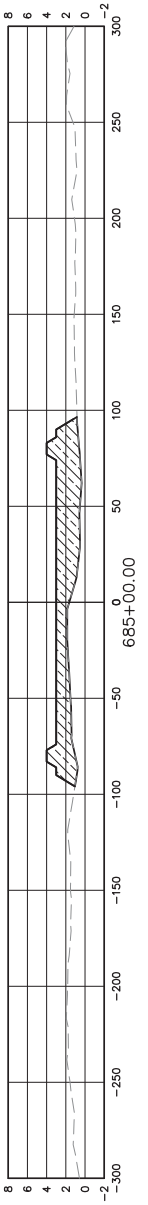
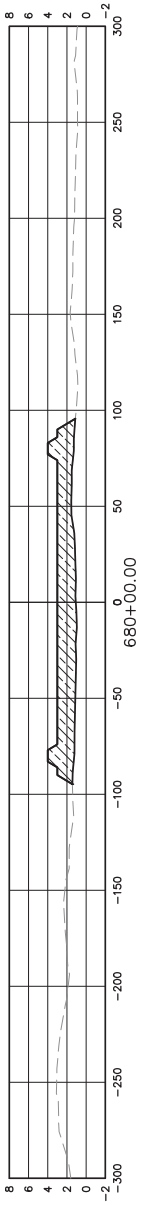
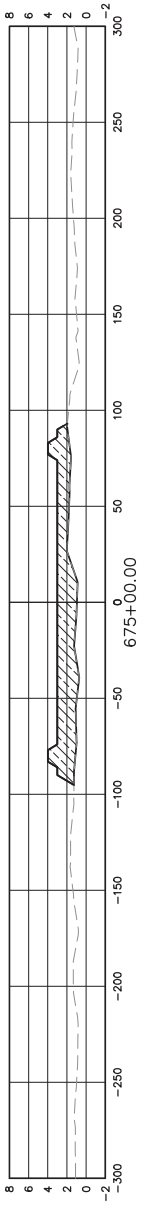
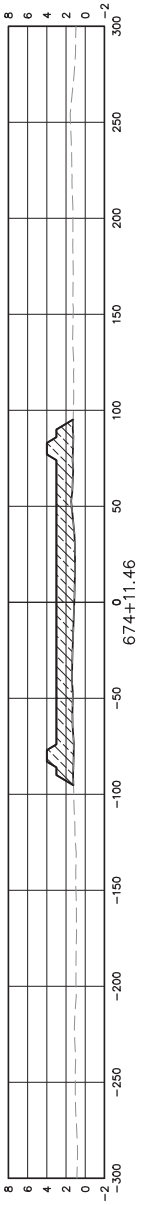
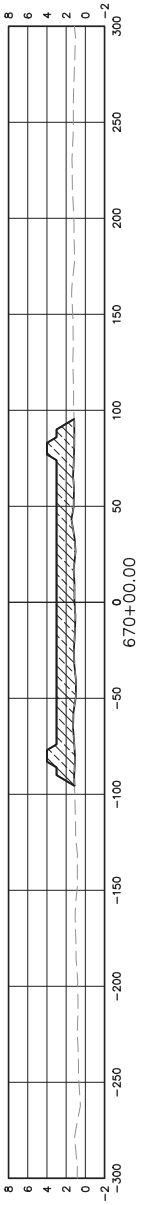
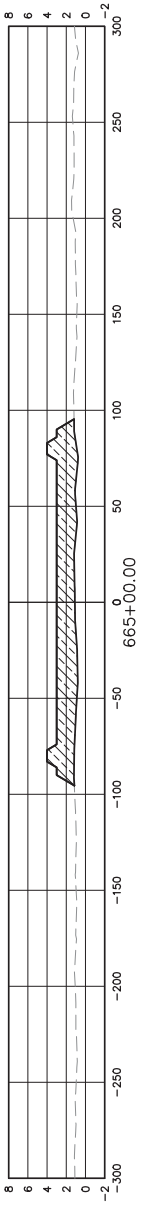
PROJECT NO.  
 153455

DATE  
 MAY 2017  
 SHEET NO.  
 603

APTIM  
 THE METAIRIE CENTRE  
 2424 LeBORGNE AVE.  
 METAIRIE, LA 70001 504.832.4878

DESIGNED	
CHECKED	
DATE	2018/08/06
TIME	1:14 PM
NO.	07/25/18
DATE	07/25/18
FOR PERMIT RE-ISSUE	
REVISION DESCRIPTION	
BY	SPL





AMS Group, Inc.  
 Consulting Engineers  
 2424 LeBorne Ave.  
 Metairie, LA 70001  
 Phone: 504.887.7005  
 Fax: 504.887.7006  
 8/6/2018 1:14 PM

LONG DISTANCE SEDIMENT PIPELINE  
 WEST OF BARATARIA WATERWAY  
 DESIGN CROSS SECTIONS

PROJECT NO.  
 153455

DATE  
 MAY 2017  
 SHEET NO.  
 604

APTIM  
 THE METAIRIE CENTRE  
 2424 LeBorne Ave.  
 Metairie, LA 70001 504.882.4878

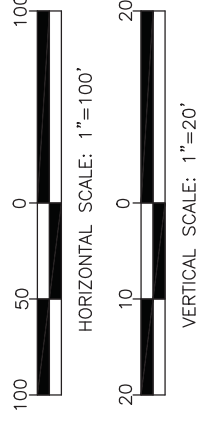
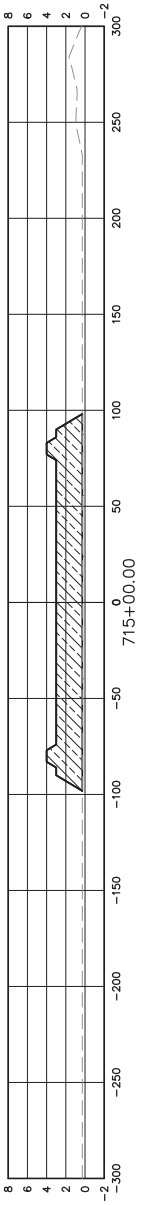
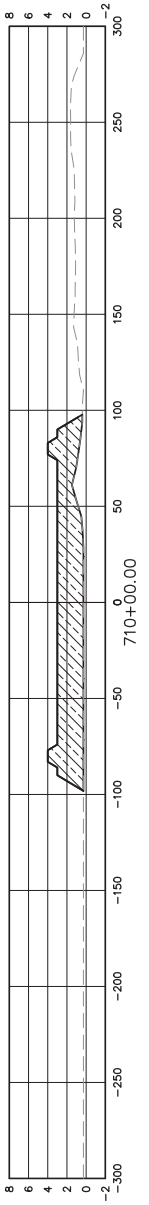
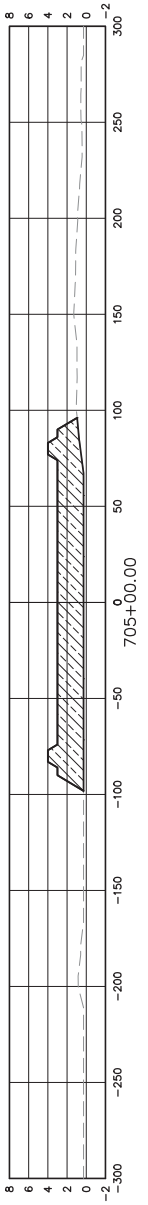
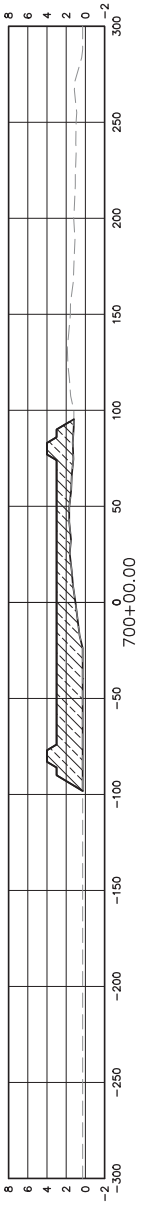
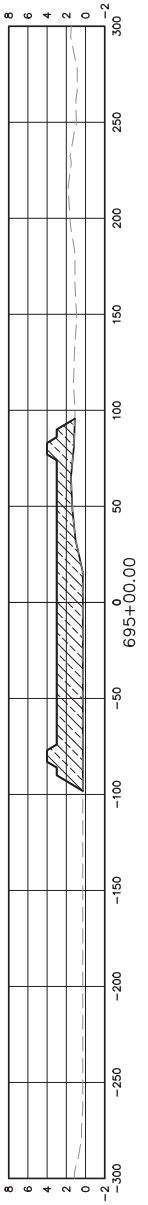
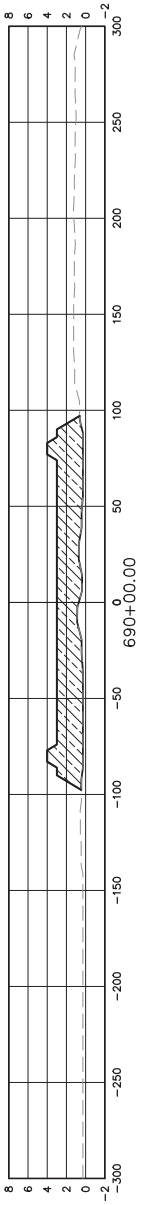
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NO.  
 DATE  
 07/25/18

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AIMS Group, Inc.  
 Consulting Engineers  
 2424 EMBORN AVE.  
 METAIRIE, LA 70001  
 504.887.7005  
 8/6/2018 1:14 PM

LONG DISTANCE SEDIMENT PIPELINE  
 WEST OF BARATARIA WATERWAY  
 DESIGN CROSS SECTIONS

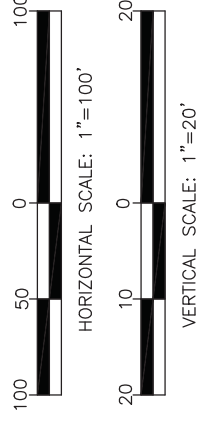
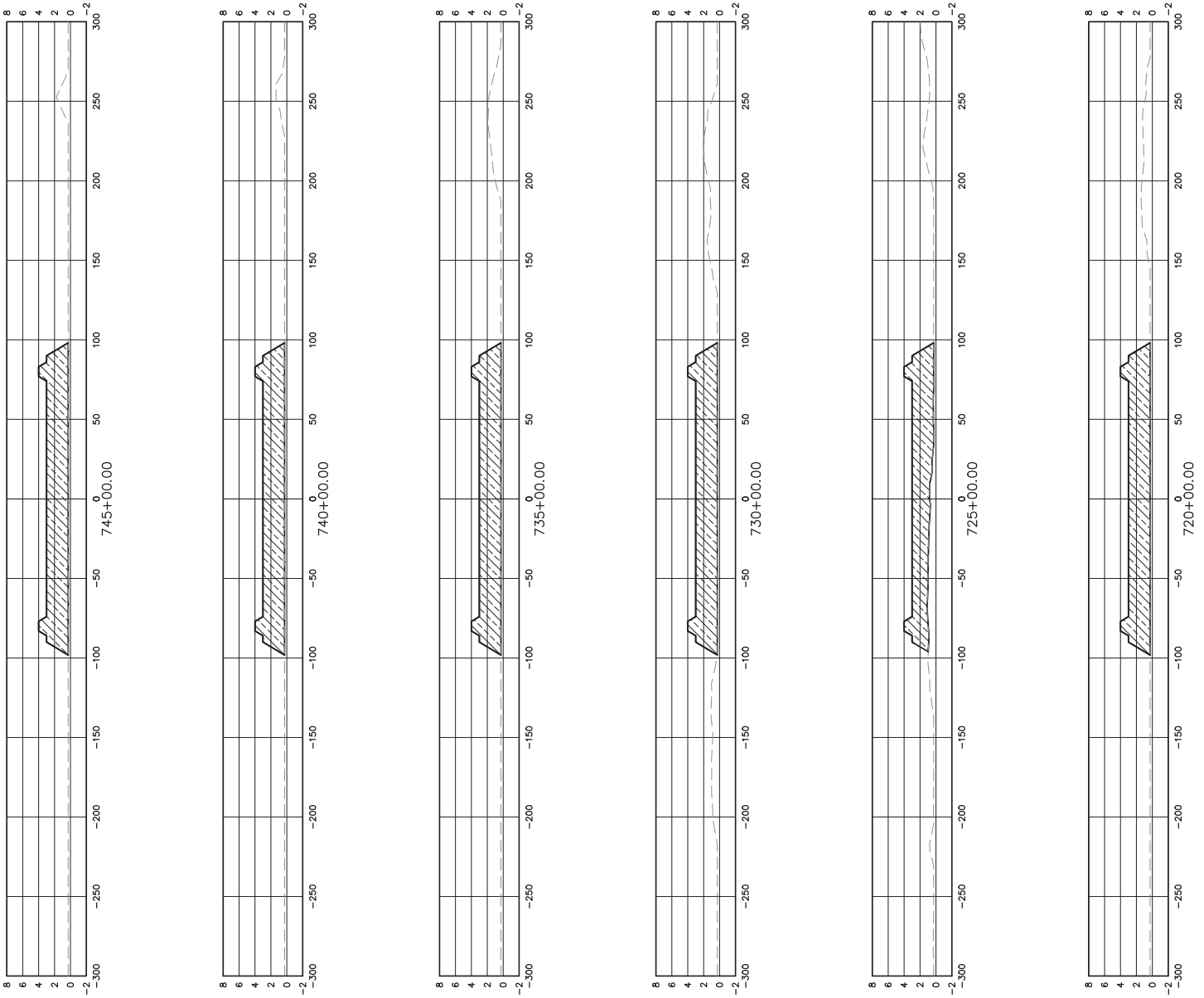
PROJECT NO.  
 153455

DATE  
 MAY 2017  
 SHEET NO.  
 605

**APTIM**  
 THE METAIRIE CENTRE  
 2424 EMBORN AVE.  
 METAIRIE, LA 70001 504.832.4878

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DATE	07/25/18
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AMS Group, Inc.  
 Consulting Engineers  
 2424 LeBorgne Ave.  
 Metairie, LA 70001  
 Phone: 504.887.7005  
 Fax: 504.887.7006  
 8/6/2018 1:14 PM

LONG DISTANCE SEDIMENT PIPELINE  
 WEST OF BARATARIA WATERWAY  
 DESIGN CROSS SECTIONS

PROJECT NO.  
 153455

DATE  
 MAY 2017  
 SHEET NO.  
 606

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 THE METAIRIE CENTRE  
 2424 LeBORGNE AVE.  
 METAIRIE, LA 70001 504.882.4878

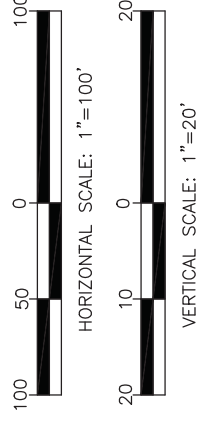
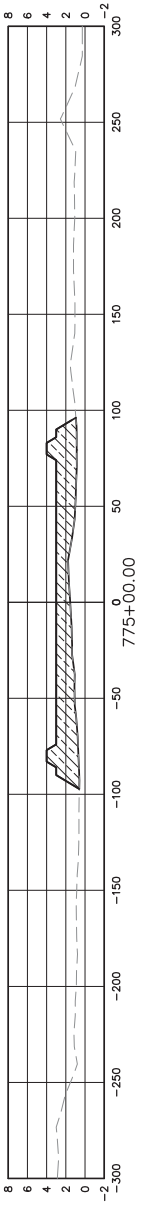
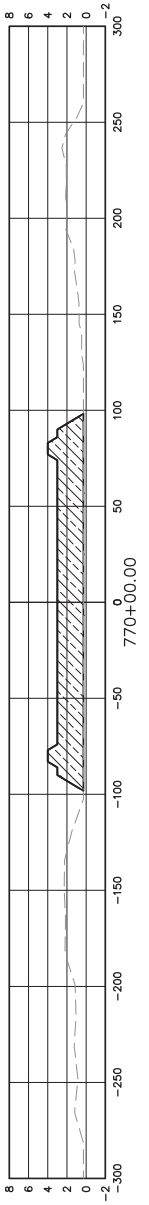
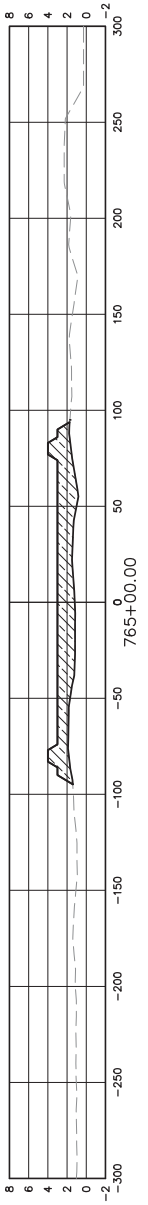
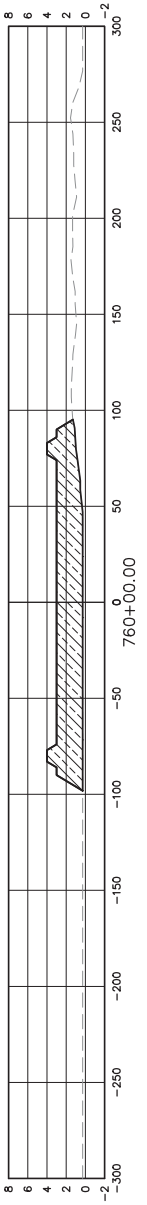
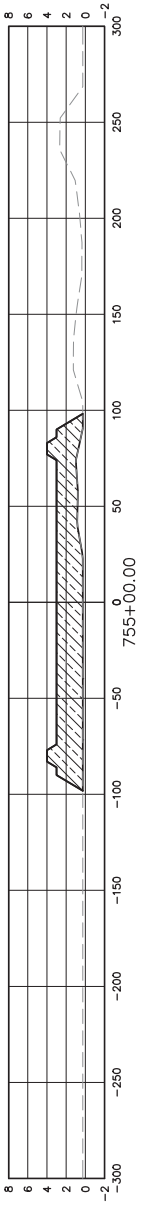
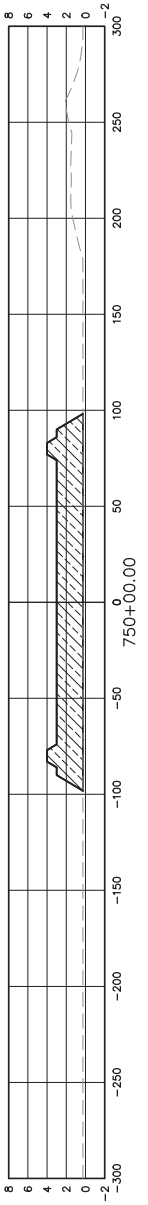
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AMS Group, Inc.  
Consulting Engineers  
1401 Poydras Street  
New Orleans, LA 70001  
Phone: 504.587.7000  
Fax: 504.587.7005  
8/6/2018 1:14 PM

LONG DISTANCE SEDIMENT PIPELINE  
WEST OF BARATARIA WATERWAY  
DESIGN CROSS SECTIONS

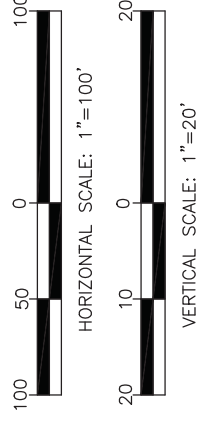
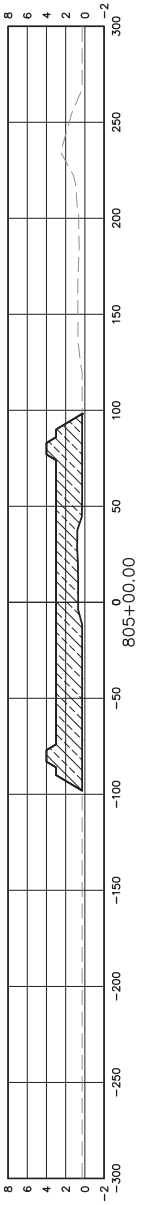
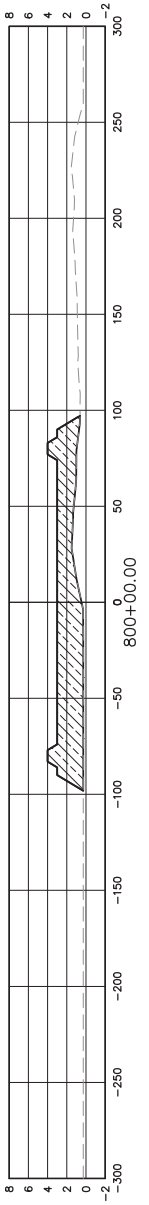
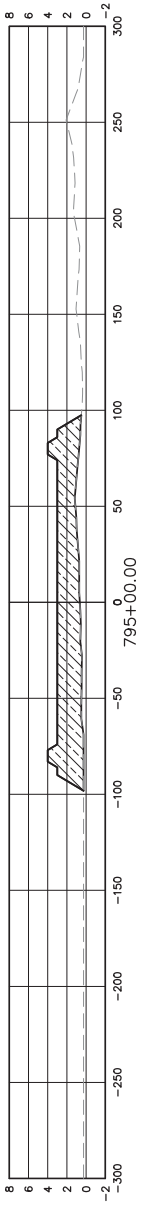
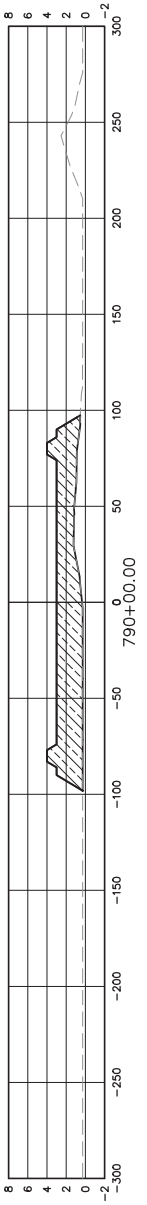
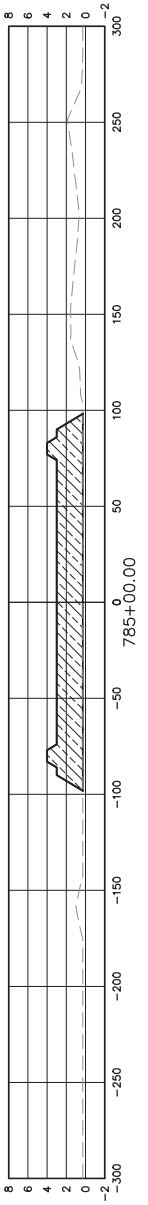
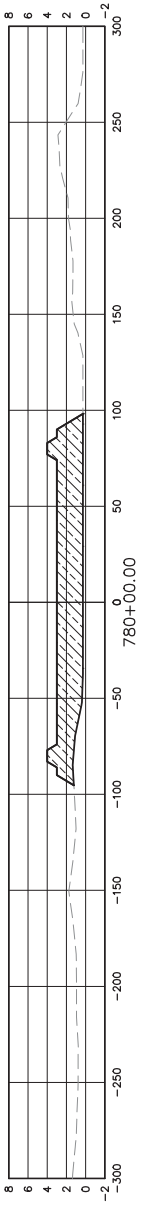
PROJECT NO.  
153455


DATE  
MAY 2017  
SHEET NO.  
607

APTIM  
THE METAIRIE CENTRE  
2424 EMBORN AVE.  
METAIRIE, LA 70001 504.832.4878

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		REVISION DESCRIPTION
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**AIMS Group, Inc.**  
 Consulting Engineers  
 2424 EMBORN AVE.  
 METAIRIE, LA 70001  
 PHONE: 504.887.7005  
 FAX: 504.887.7008  
 8/6/2018 1:14 PM

LONG DISTANCE SEDIMENT PIPELINE  
 WEST OF BARATARIA WATERWAY  
 DESIGN CROSS SECTIONS

PROJECT NO.  
 153455

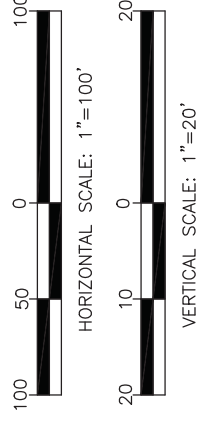
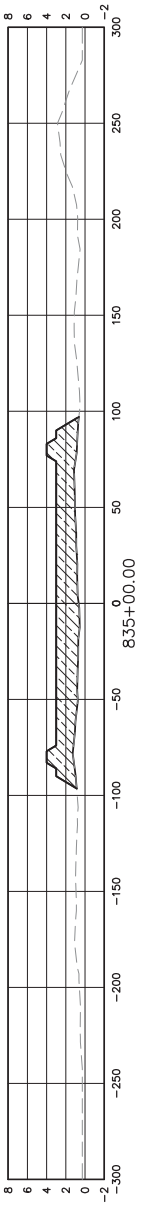
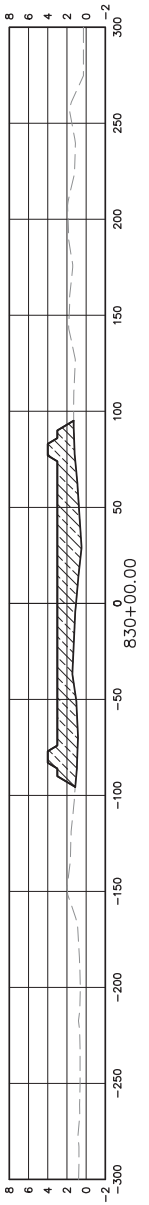
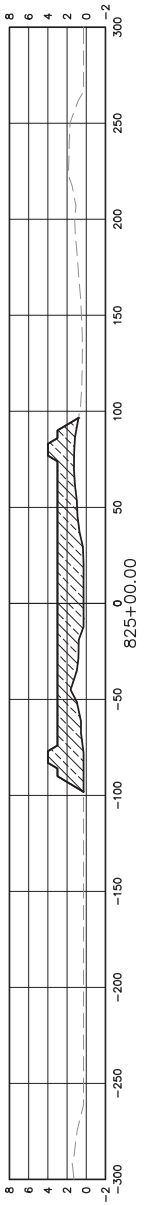
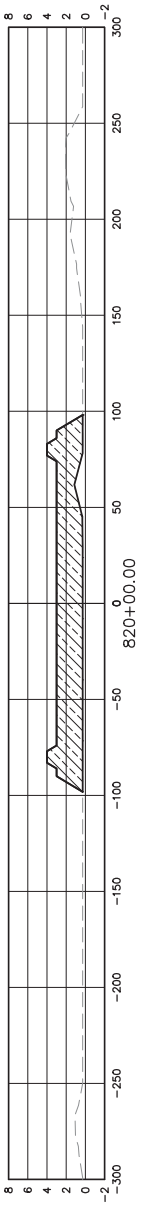
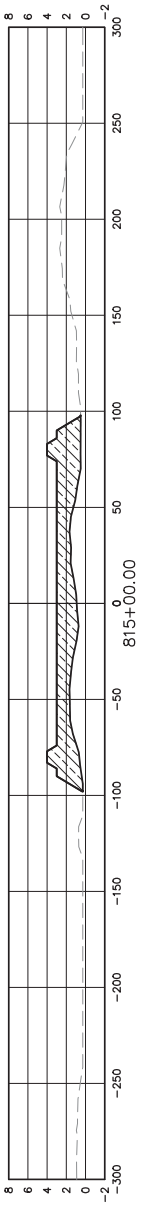
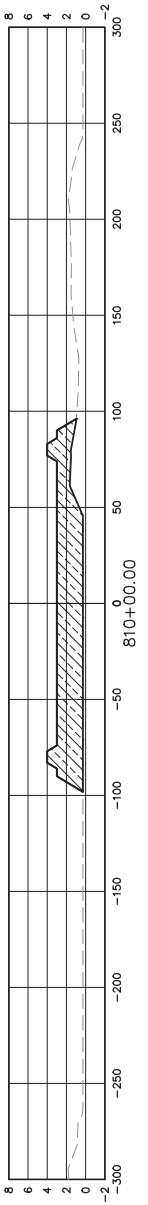
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 SHEET NO.  
**608**

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 METAIRIE, LA 70001 504.832.4878

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 Consulting Engineers  
 2424 LeBorgne Ave.  
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 Phone: 504.887.7000  
 Fax: 504.887.7005  
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LONG DISTANCE SEDIMENT PIPELINE  
 WEST OF BARATARIA WATERWAY  
 DESIGN CROSS SECTIONS

PROJECT NO.  
 153455

DATE  
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 SHEET NO.  
 609

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 METAIRIE, LA 70001 504.882.4878

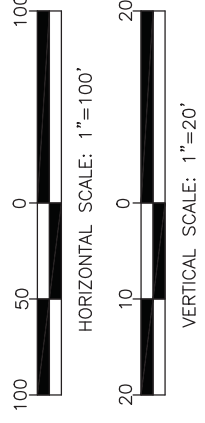
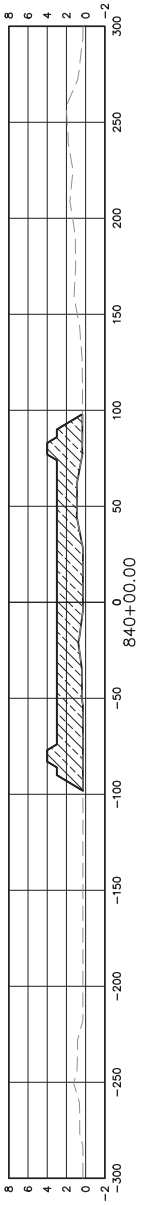
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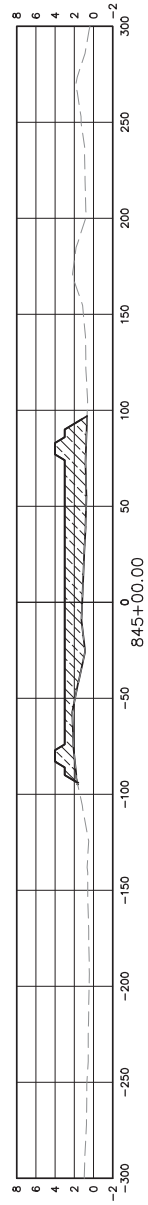
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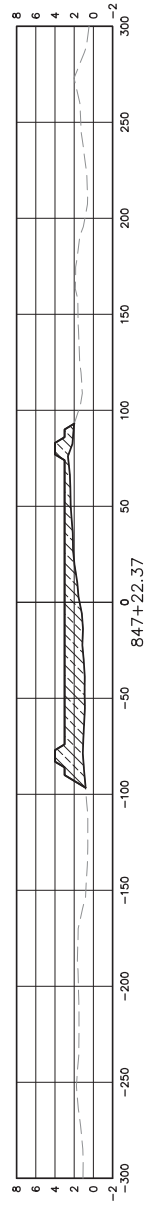


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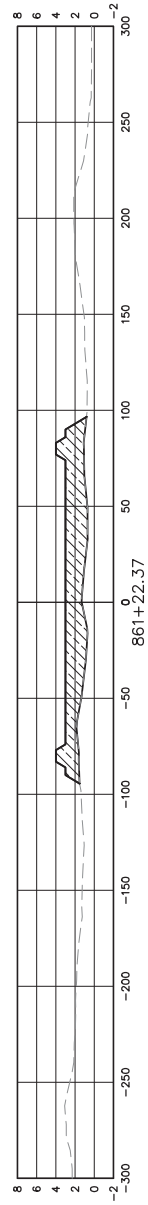


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 SHEET NO.: 610  
 PROJECT NO.: 1534-55

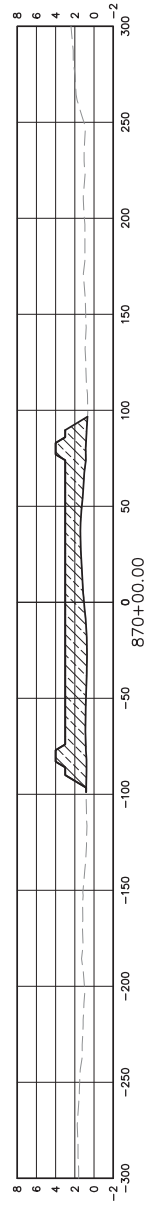
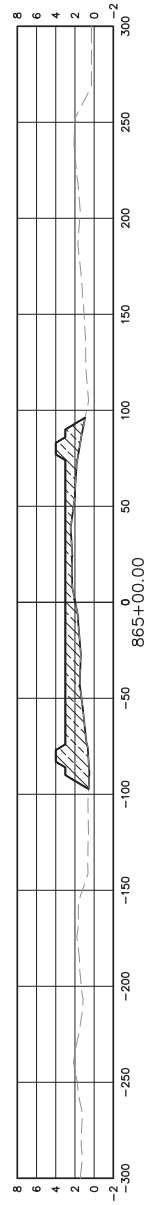
LONG DISTANCE SEDIMENT PIPELINE  
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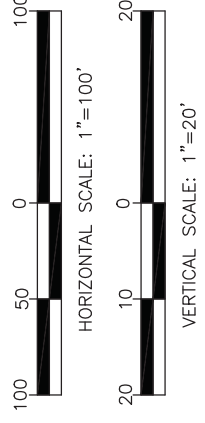
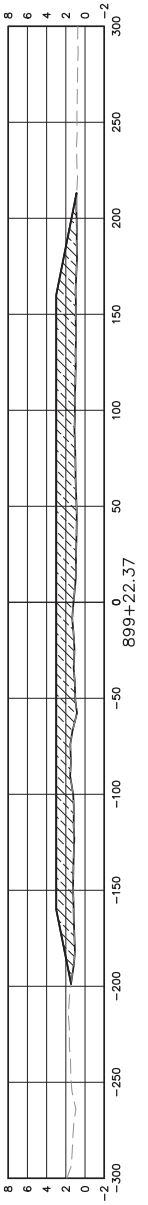
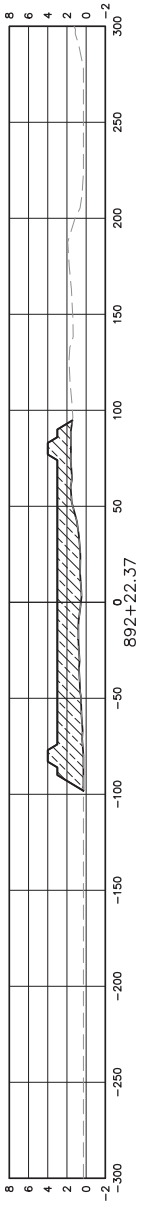
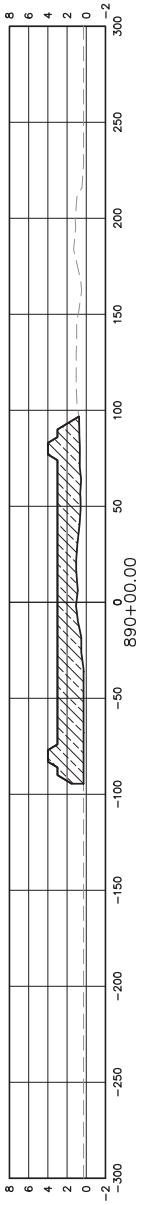
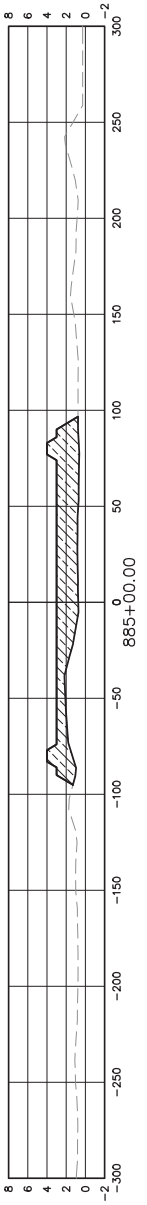
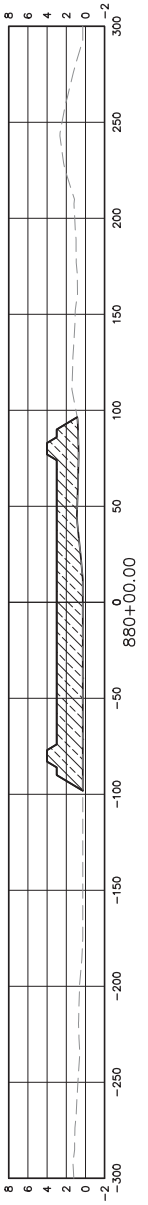
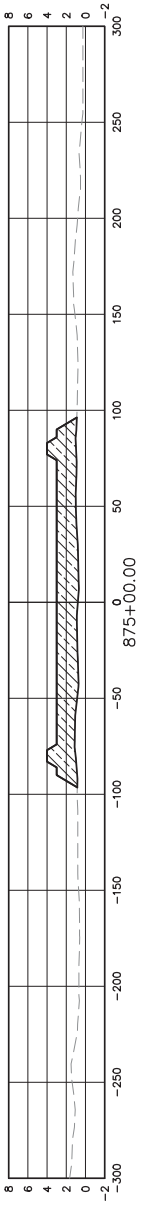


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 504.887.7005  
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LONG DISTANCE SEDIMENT PIPELINE  
 WEST OF BARATARIA WATERWAY  
 DESIGN CROSS SECTIONS

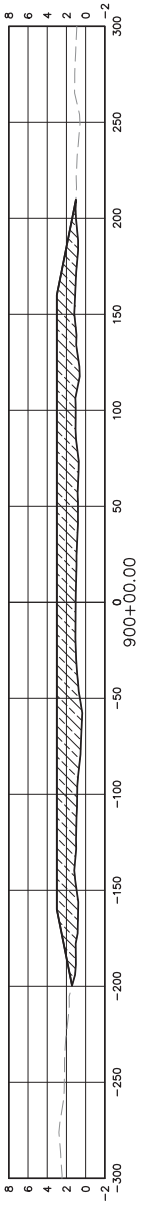
PROJECT NO.  
 153455

DATE  
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 SHEET NO.  
 611

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 THE METAIRIE CENTRE  
 2424 EMBORN AVE.  
 METAIRIE, LA 70001 504.832.4878

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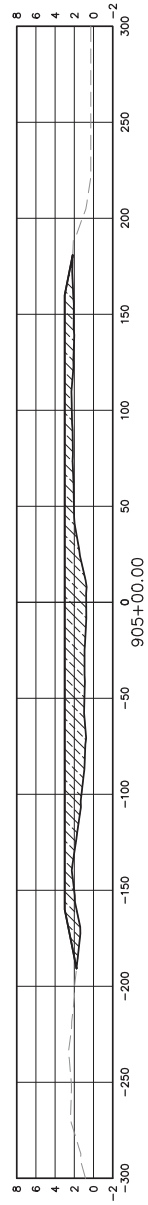
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VERTICAL SCALE: 1"=20'



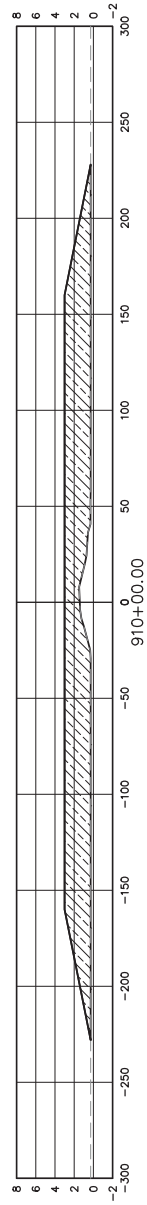
AMS Group, Inc.  
 Consulting Engineers  
 2424 LeBorne Ave.  
 Metairie, LA 70001  
 Phone: 504.887.7005  
 Fax: 504.887.7006  
 8/6/2018 1:15 PM



LONG DISTANCE SEDIMENT PIPELINE  
 WEST OF BARATARIA WATERWAY  
 DESIGN CROSS SECTIONS

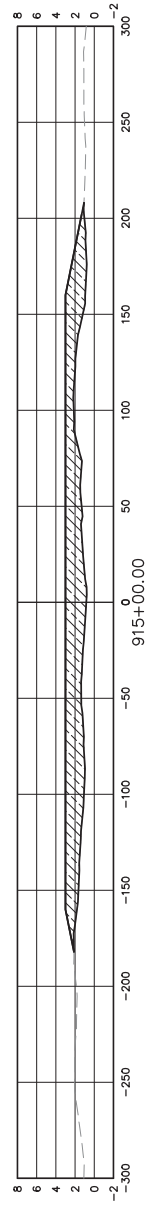
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DATE  
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**612**

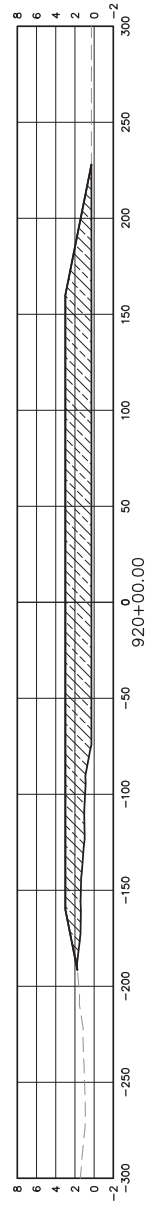


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 METAIRIE, LA 70001 504.882.4878

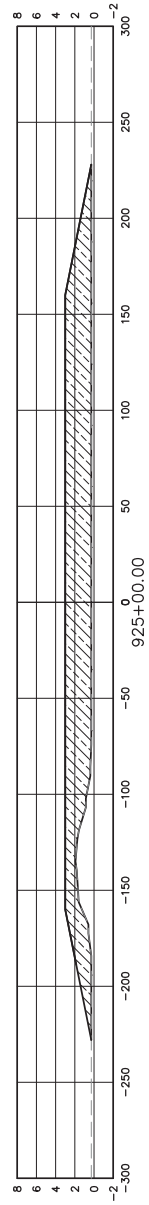
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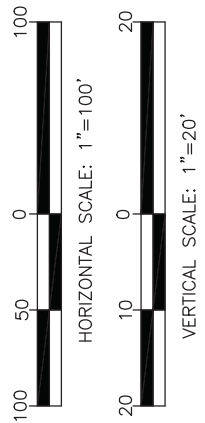
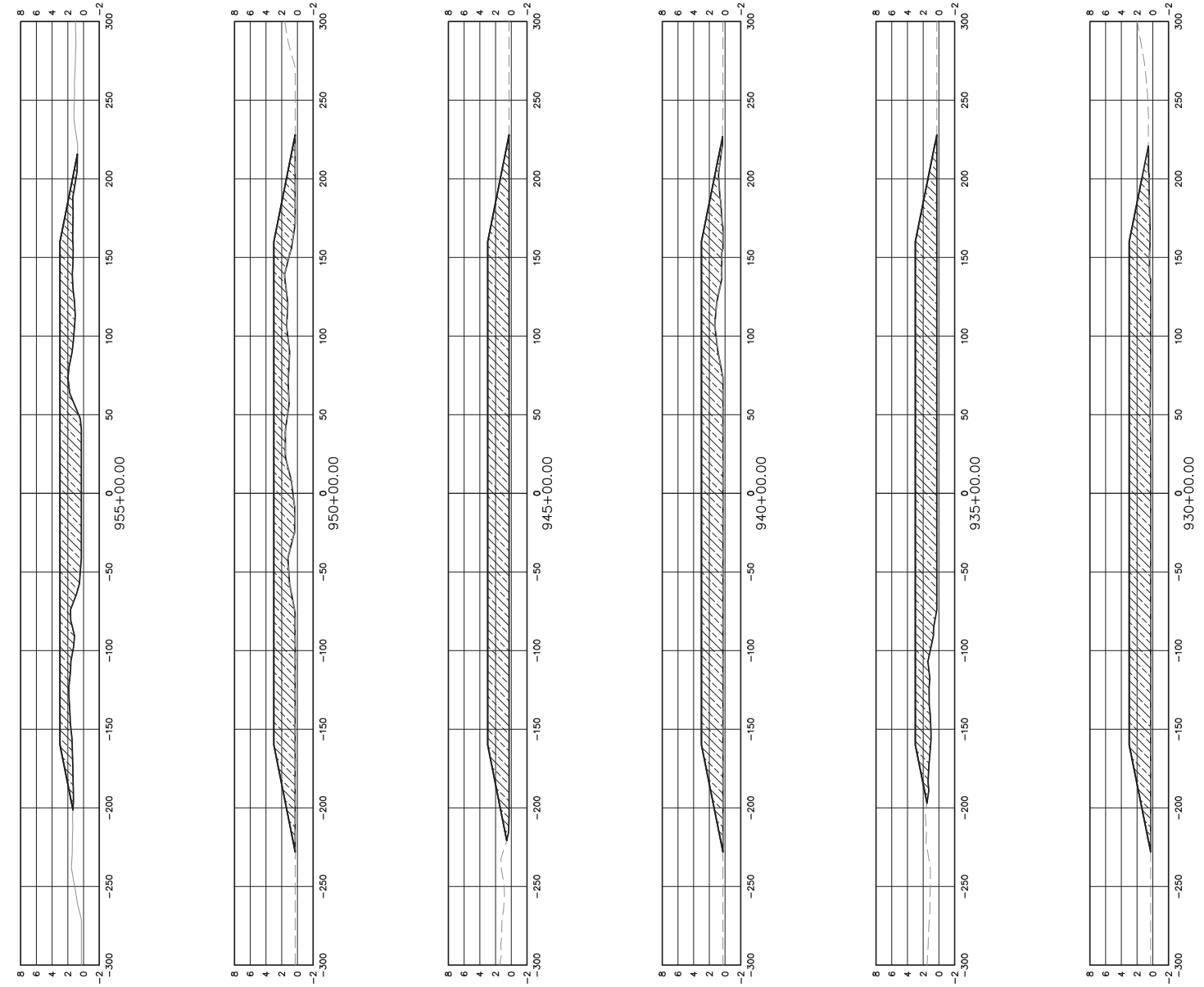


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 Phone: 504.887.7005  
 Fax: 504.887.7006  
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PROJECT NO. 153455  
 DATE MAY 2017  
 SHEET NO. 613

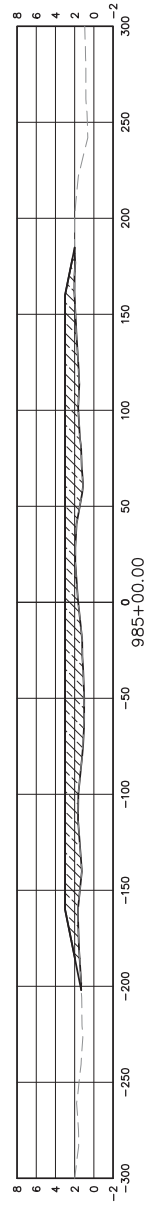
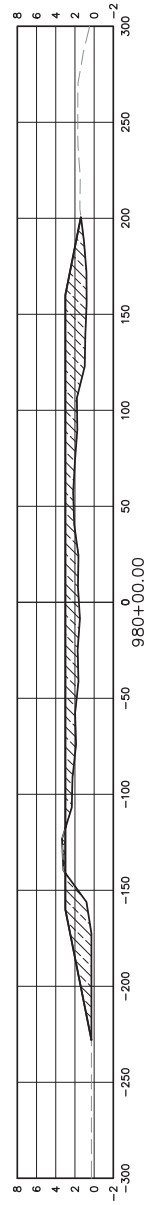
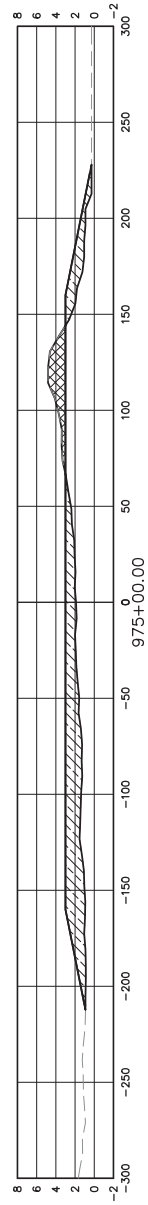
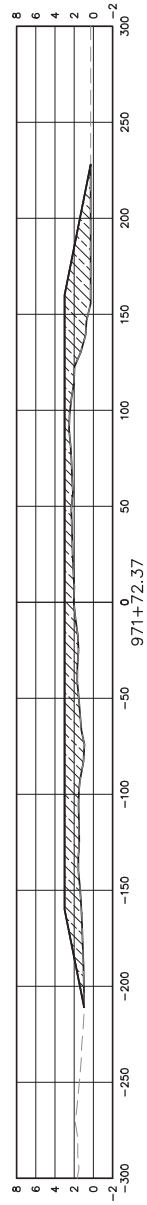
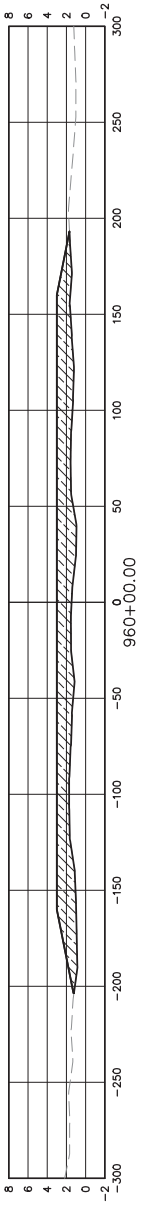
LONG DISTANCE SEDIMENT PIPELINE  
 WEST OF BARATARIA WATERWAY  
 DESIGN CROSS SECTIONS

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 THE METAIRIE CENTRE  
 2424 LeBORGNE AVE.  
 METAIRIE, LA 70001 504.882.4878

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HORIZONTAL SCALE: 1"=100'



VERTICAL SCALE: 1"=20'

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 Consulting Engineers  
 2424 LeBorgne Ave.  
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 Phone: 504.887.7005  
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LONG DISTANCE SEDIMENT PIPELINE  
 WEST OF BARATARIA WATERWAY  
 DESIGN CROSS SECTIONS

PROJECT NO.  
 153455

DATE  
 MAY 2017  
 SHEET NO.  
**614**

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 THE METAIRIE CENTRE  
 2424 LeBORGNE AVE.  
 METAIRIE, LA 70001 504.882.4878

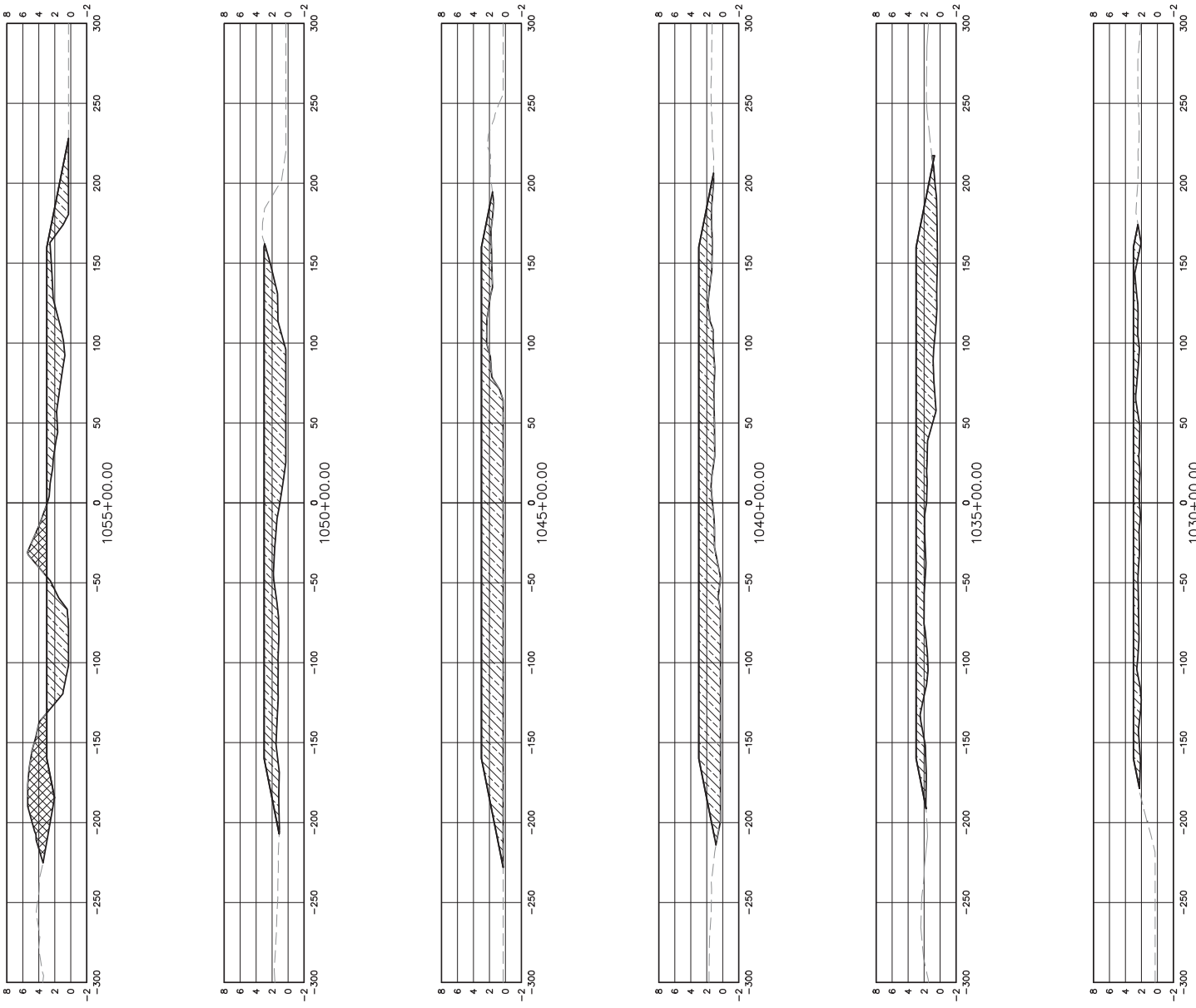
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NO.	DATE	FOR PERMIT RE-ISSUE	REVISION DESCRIPTION	BY
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 2424 LeBorne Ave.  
 Metairie, LA 70001  
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 Fax: 504.887.7006  
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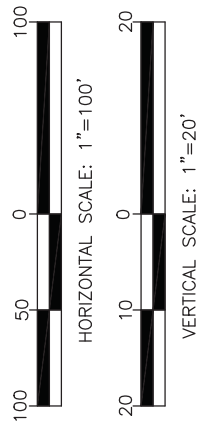
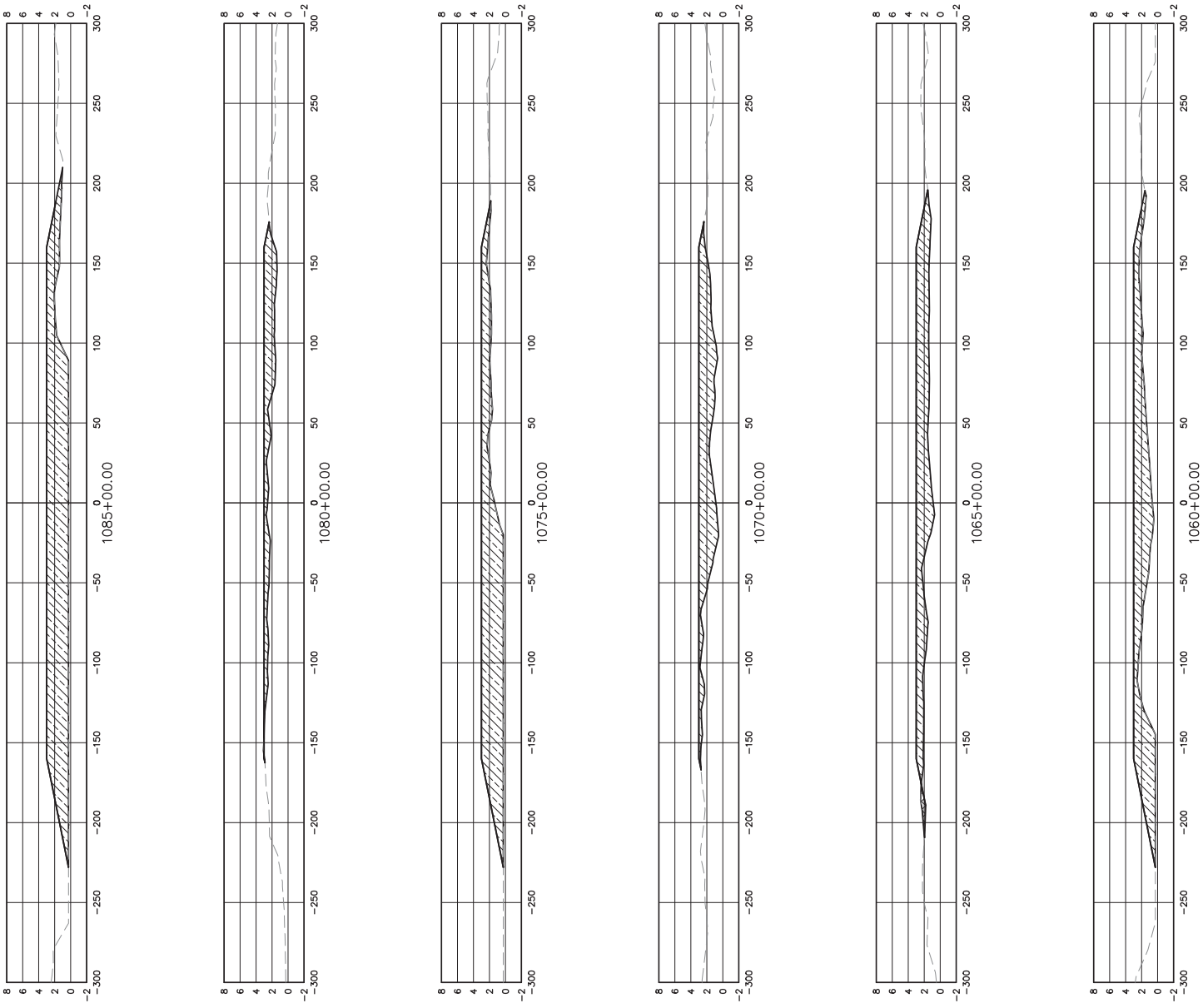
PROJECT NO. 153455  
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 LONG DISTANCE SEDIMENT WATERWAY  
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 DESIGN CROSS SECTIONS

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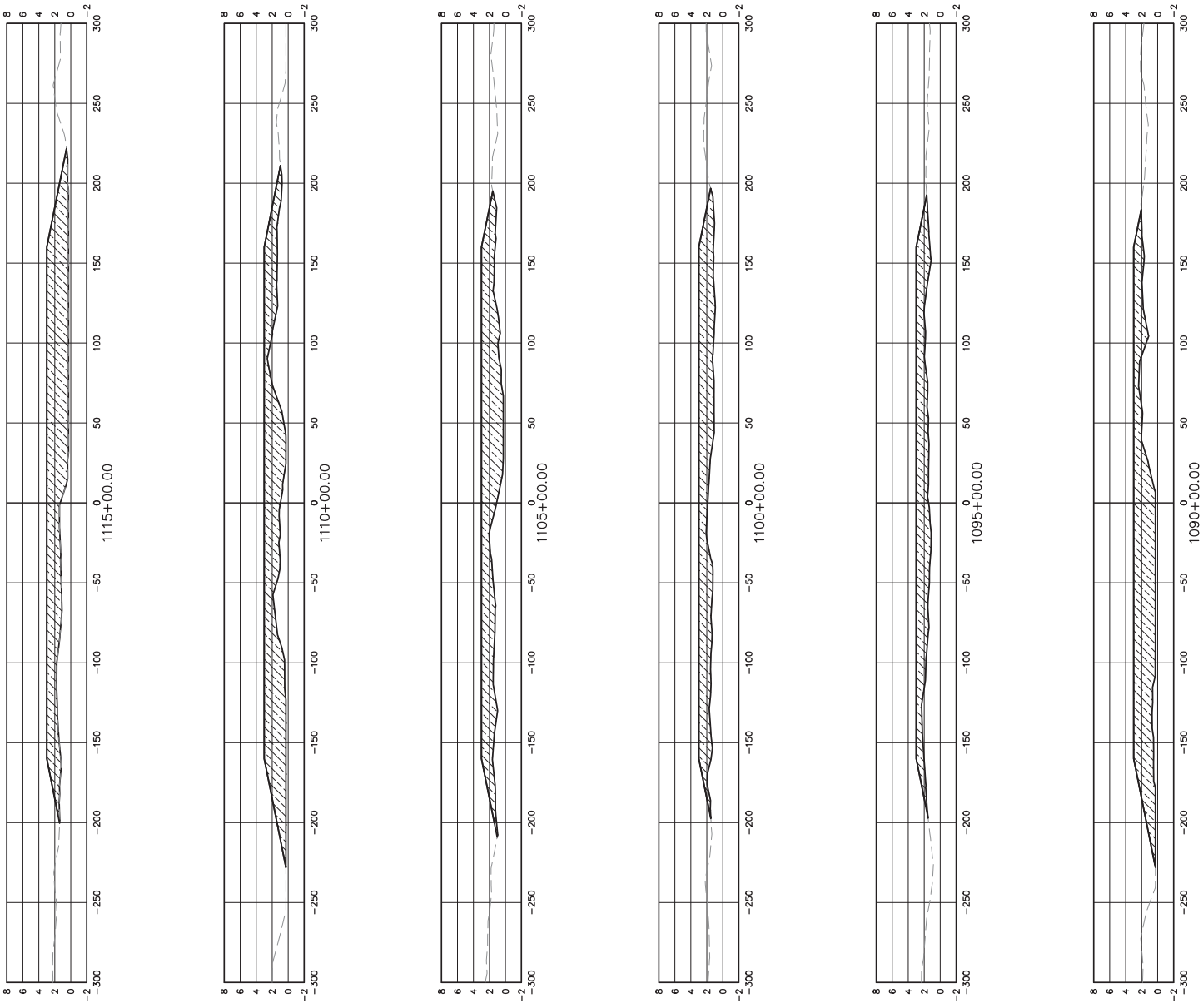
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 WEST OF BARATARIA WATERWAY  
 LONG DISTANCE SEDIMENT PIPELINE  
 PROJECT NO. 153455  
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DATE	2018/08/06
TIME	1:15 PM
NO.	Δ
DATE	07/25/18
FOR PERMIT RE-ISSUE	
REVISION DESCRIPTION	
BY	SPL





HORIZONTAL SCALE: 1"=100'



VERTICAL SCALE: 1"=20'

AMS Group, Inc.  
 Consulting Engineers  
 2424 LeBorne Ave.  
 Metairie, LA 70001  
 Phone: 504.887.7005  
 Fax: 504.887.7006  
 8/6/2018 1:15 PM

LONG DISTANCE SEDIMENT PIPELINE  
 WEST OF BARATARIA WATERWAY  
 DESIGN CROSS SECTIONS

PROJECT NO.  
 153455

DATE  
 MAY 2017  
 SHEET NO.  
**618**

**APTIM**  
 THE METAIRIE CENTRE  
 2424 LeBORNE AVE.  
 METAIRIE, LA 70001 504.832.4878

DESIGNED	
CHECKED	
DETAILED	
CHECKED	

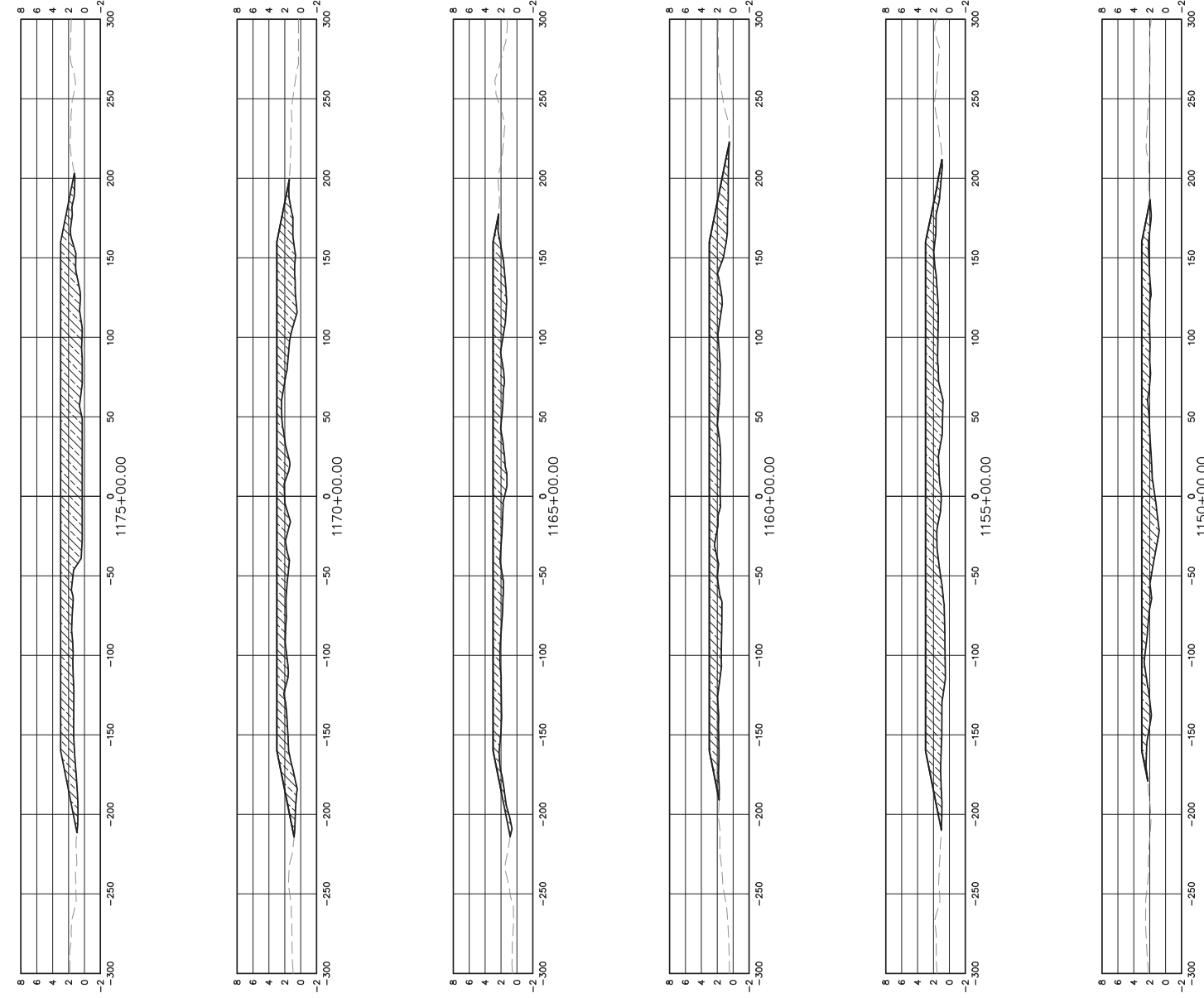
SCALE	
DATE	2018/08/06
TIME	1:15 PM

NO.	Δ
DATE	07/25/18

FOR PERMIT RE-ISSUE	REVISION DESCRIPTION
SPL	BY







AMS Group, Inc.  
 Consulting Engineers  
 2424 LeBorne Ave.  
 Metairie, LA 70001  
 Phone: 504.887.7005  
 Fax: 504.887.7006  
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PROJECT NO. 153455  
 DATE MAY 2017  
 SHEET NO. 620

LONG DISTANCE SEDIMENT PIPELINE  
 WEST OF BARATARIA WATERWAY  
 DESIGN CROSS SECTIONS

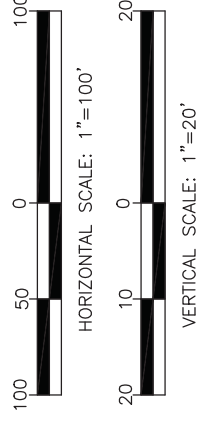
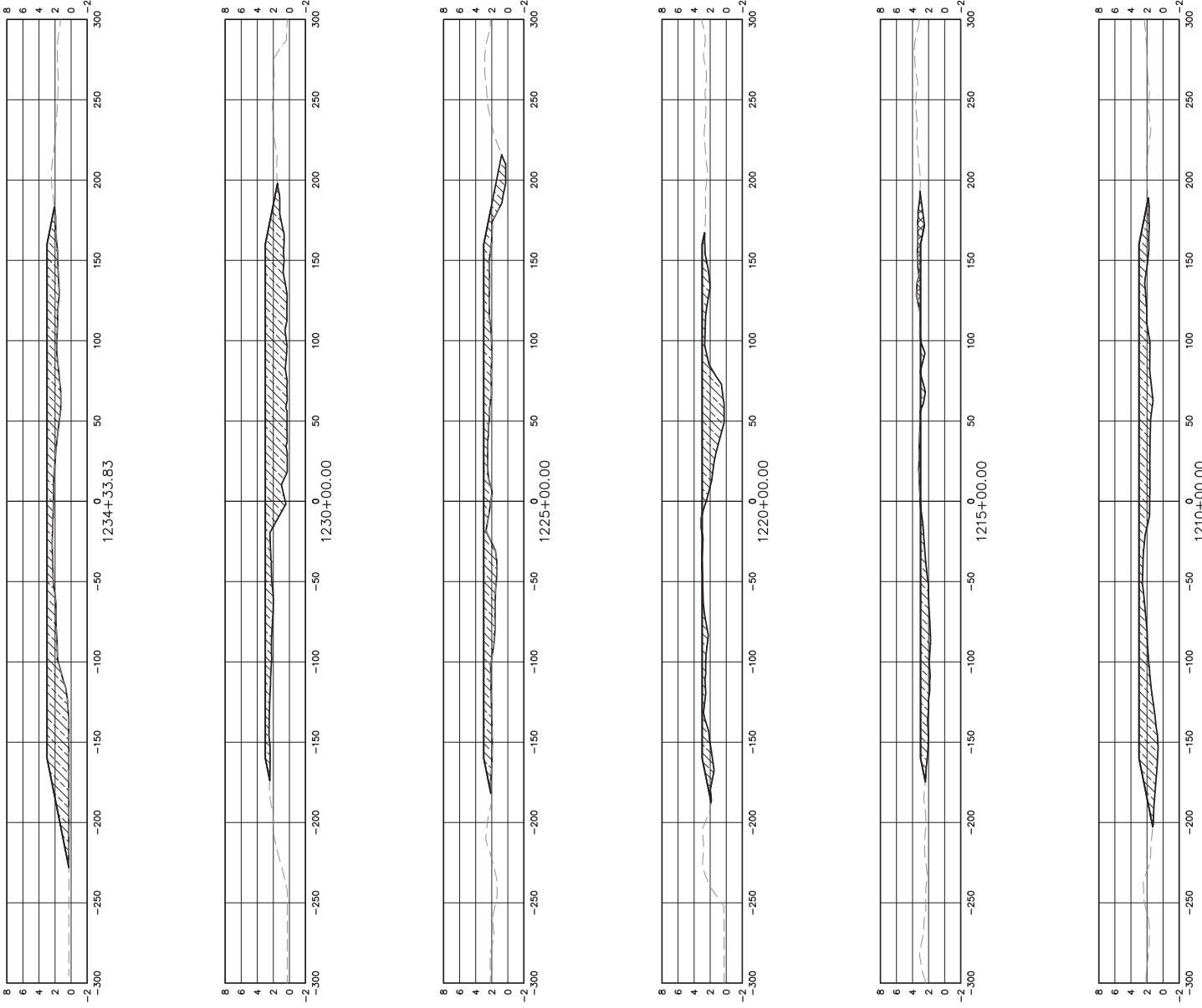
**APTIM**  
 THE METAIRIE CENTRE  
 2424 LeBORN AVE.  
 METAIRIE, LA 70001 504.882.4878

DESIGNED	
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DATE	2018/08/06
TIME	1:15 PM
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NO.	
DATE	07/25/18
FOR PERMIT RE-ISSUE	
REVISION DESCRIPTION	
BY	SPL







AMS Group, Inc.  
 Consulting Engineers  
 2424 LeBorne Ave.  
 Metairie, LA 70001  
 Phone: 504.887.7005  
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PROJECT NO. 153455  
 DATE MAY 2017  
 SHEET NO. 622

LONG DISTANCE SEDIMENT WATERWAY  
 WEST OF BARATARIA WATERWAY  
 DESIGN CROSS SECTIONS

APTIM  
 THE METAIRIE CENTRE  
 2424 LeBORNE AVE.  
 METAIRIE, LA 70001 504.882.4878

DESIGNED	
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DATE	2018/08/06
TIME	1:16 PM
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DATE	07/25/18
FOR PERMIT RE-ISSUE	
REVISION DESCRIPTION	
BY	SPL

