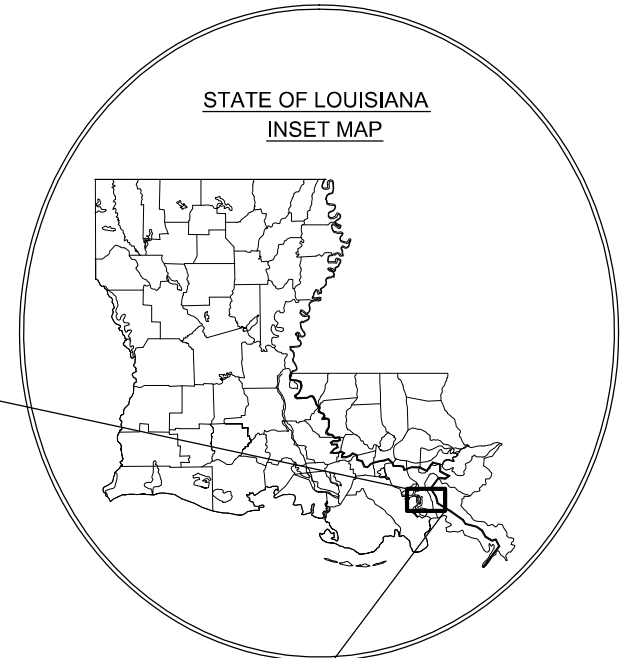


STATE OF LOUISIANA
COASTAL PROTECTION AND RESTORATION AUTHORITY

MID-BARATARIA
SEDIMENT DIVERSION PROJECT

STATE PROJECT NO. BA-153
PLAQUEMINES PARISH, LOUISIANA



VOLUME 3
CHENIERE TRAVERSE BAYOU PUMP STATION

PRELIMINARY DOCUMENTS

NOT TO BE USED FOR CONSTRUCTION, BIDDING,
RECORDATION, CONVEYANCE, SALES, OR AS THE
BASIS FOR PERMIT ISSUANCE.

GARLAND P. PENNISON, LA20931
ROBERT J. BEDUHN, LA38502



REV.	DATE	DESCRIPTION	BY



COASTAL PROTECTION & RESTORATION AUTHORITY
ENGINEERING DIVISION

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: L. CONTRERAS

DESIGNED BY: -

MID-BARATARIA SEDIMENT
DIVERSION PROJECT

STATE PROJECT NUMBER: BA-153

FEDERAL PROJECT NUMBER: BA-153

APPROVED BY:

VOLUME 3

COVER SHEET

DATE: JULY 2014

DWG 3-00G001 SHT 1

SHEET INDEX		
NO.	SHEET	TITLE
GENERAL		
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2	3-00G002	INDEX SHEET
3	3-00G003	GENERAL NOTES
4	3-00G004	GENERAL ABBREVIATIONS
5	3-00G005	GENERAL LEGEND
6	3-00G006	PUMP STATION - OVERALL SITE PLAN
7	3-00G007	PUMP STATION - SITE COORDINATES
GEOTECH		
8	3-31B101	SITE EXPLORATION - SITE PLAN & LEGEND
9	3-31B201	SITE EXPLORATION - PLAN AND PROFILE
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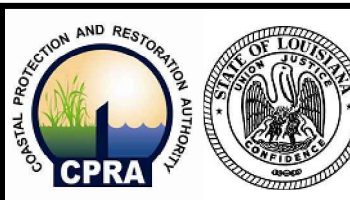
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GARLAND P. PENNISON, LA20931
ROBERT J. BEDUHN, LA38502



REV.	DATE	DESCRIPTION	BY



**COASTAL PROTECTION & RESTORATION AUTHORITY
ENGINEERING DIVISION**

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: L. CONTRERAS

DESIGNED BY: -

**MID-BARATARIA SEDIMENT
DIVERSION PROJECT**

STATE PROJECT NUMBER: BA-153

FEDERAL PROJECT NUMBER: BA-153

APPROVED BY:

VOLUME 3

INDEX SHEET

DATE: JULY 2014

DWG 3-00G002 SHT 2

GENERAL NOTES:

- PLANS AND SPECIFICATIONS ARE COMPLIMENTARY AND CONSIDERED TO BE INCLUSIVE WITH RESPECT TO REQUIREMENTS. CLARIFICATIONS AND INTERPRETATIONS OF VARIATIONS AND DEVIATIONS IN THE CONTRACT DOCUMENTS WILL BE ISSUED BY THE ENGINEER.
- PORTIONS OF PROJECT SITE ARE NOT ACCESSIBLE BY LAND. CONTRACTOR SHALL BE RESPONSIBLE FOR ACCESSING THESE PORTIONS OF THE SITE FROM A NAVIGABLE WATERBODY. DREDGING FOR SITE ACCESS SHALL ONLY OCCUR WITHIN THE LIMITS SHOWN AS APPROVED FOR TEMPORARY FLOTATION/ACCESS CHANNELS. ANY DREDGING REQUIRED FOR SITE ACCESS NOT SHOWN AS PART OF THE PROJECT CONSTRUCTION REQUIREMENTS SHALL BE PROVIDED; LAND RIGHTS ACQUIRED BY; AND DREDGING/DISPOSAL PERMITTED BY THE CONTRACTOR IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.
- CONTRACTOR SHALL PERFORM A PRE-CONSTRUCTION HAZARD (MAGNETOMETER) SURVEY AND LOCATE ALL UTILITIES AND OBSTRUCTIONS PRIOR TO COMMENCING WORK. DRAWINGS SHOWING THE TRACK LINES, ANY MAGNETOMETER HITS, COORDINATES, AMPLITUDE, SIGNATURE TYPE AND SIGNATURE WIDTH OF ALL MAGNETOMETER HITS SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO EXCAVATION.
- EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING PIPELINE AND UTILITY OPERATORS AND LOUISIANA ONE CALL (1-800-272-3020) TEN (10) WORKING DAYS PRIOR TO MOBILIZATION AND 72 HOURS IN ADVANCE OF ANY CONSTRUCTION WORK. ALL PIPELINE AND UTILITY MARKERS SHALL BE MAINTAINED BY THE CONTRACTOR DURING CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN CLEARANCES SET FORTH IN THE DRAWINGS AND BID DOCUMENTS, OR AS REQUIRED BY THE UTILITY OWNERS.
- NO EXCAVATION IS ALLOWED WITHIN ANY AREA RESTRICTED BY PIPELINE/UTILITY COMPANIES. THE CONTRACTOR SHALL NOT EXCAVATE OR ANCHOR WITHIN 500' OF ANY PIPELINE IN THE MISSISSIPPI RIVER OR WITHIN 50' OF ANY OTHER PIPELINE WITHOUT THE EXPRESS WRITTEN APPROVAL OF AND CONTINUOUS ONSITE OBSERVATION BY THE PIPELINE COMPANY.
- DREDGE PIPELINES IN OPEN WATER SHALL BE MARKED WITH BUOYS BY THE CONTRACTOR. THE CONTRACTOR SHALL MAINTAIN BUOYS DURING CONSTRUCTION OR HAVE ADEQUATE NAVIGATIONAL EQUIPMENT ON THE DREDGE TO AVOID DREDGING IN RESTRICTED AREAS.
- LOCATIONS OF CULTURAL RESOURCE AREAS ARE BASED ON REPORT BY HDR ENGINEERING, INC. DATED xxx. CONTRACTOR WORK SHALL NOT DISTURB RESTRICTED CULTURAL RESOURCE AREAS.
- PROJECT IS WITHIN AND ADJACENT TO ENVIRONMENTALLY SENSITIVE AREAS. CONTRACTOR SHALL AVOID AND MINIMIZE IMPACTS TO THESE AREAS. HEAVY EQUIPMENT SHALL NOT BE OPERATED FROM LANDS IN THE BASIN WITHOUT WRITTEN APPROVAL FROM THE OWNER. OWNER RESERVES THE RIGHT TO SUSPEND WORK AT ANY TIME IF IMPACTS OCCUR UNTIL SATISFACTORY CORRECTIVE MEASURES ARE IMPLEMENTED BY CONTRACTOR IN ACCORDANCE WITH SPECIFICATIONS.
- CONTRACTOR SHALL REVIEW GEOTECHNICAL DATA PROVIDED WITH BID DOCUMENTS AND ANTICIPATE EXISTING SOFT SOIL CONDITIONS AT THE WORK SITE. GEOTECHNICAL DATA WERE ACQUIRED BY GEOENGINEERS, INC. AND ARE INCLUDED IN A GEOTECHNICAL DATA REPORT DATED xxx. CONTRACTOR SHALL MAKE NO CLAIMS FOR CHANGED SITE CONDITIONS BASED ON FAILURE TO REVIEW AND QUERY THE ENGINEER REGARDING ANY QUESTIONS OR CLARIFICATIONS RELATIVE TO SAID DOCUMENTS.
- ANY DAMAGE TO U.S. COAST GUARD OR PRIVATE NAVIGATION AIDS SHALL BE REPAIRED BY THE CONTRACTOR TO STANDARDS OF SAME AT CONTRACTOR'S EXPENSE.

- NO EXCAVATION OF MATERIALS IS ALLOWED FOR MISSISSIPPI RIVER AND TRIBUTARIES (MRT) LEVEE EXCEPT AS SPECIFICALLY SHOWN IN THE DRAWINGS AND APPROVED BY THE UNITED STATES ARMY CORPS OF ENGINEERS (USACE) THROUGH THE SECTION 408 PERMITTING PROCESSES. CONSTRUCTION WITHIN 1,500' OF THE LEVEE SECTIONS SHALL BE STRICTLY LIMITED IN ACCORDANCE WITH THE WORK RESTRICTIONS IDENTIFIED IN THE SPECIFICATIONS AND USACE PERMIT REQUIREMENTS.
- CONSTRUCTION IS NOT ALLOWED NEAR THE LEVEE SYSTEMS OR EVACUATION ROUTES WITHIN 5 DAYS OF A POTENTIAL HURRICANE TRACK ACROSS THE LOUISIANA COAST HAVING BEEN IDENTIFIED. ONLY WORK THAT WILL BE ALLOWED DURING THIS PERIOD IS CONTRACTORS SAFETY MEASURES TO PROTECT LIFE, SAFETY AND PROPERTY. EXCAVATIONS, GRADING OR OTHER MODIFICATIONS TO THE WORK SHOWN IN THESE DRAWINGS WILL REQUIRE BOTH COSTAL PROTECTION AND RESTORATION AUTHORITY (CPRA) AND UNITED STATES ARMY CORPS OF ENGINEERS (USACE) REVIEW APPROVAL PRIOR TO COMMENCING WORK.
- NO CONSTRUCTION EQUIPMENT OR ACTIVITIES MAY OPERATE, TRANSIT, STAGE OR STORE OUTSIDE OF THE LIMITS OF CONSTRUCTION WITHOUT THE EXPRESS WRITTEN PERMISSION OF THAT PROPERTY OWNER. CONTRACTOR IS RESPONSIBLE FOR SECURING ALL ENVIRONMENTAL CLEARANCES AND PERMITS FOR WORK OUTSIDE OF THE PERMITTED CONSTRUCTION LIMITS IDENTIFIED ON THE DRAWINGS, IN ACCORDANCE WITH THE PERMIT DOCUMENTS. ALL PERMIT DOCUMENTS WILL BE IDENTIFIED AND PROVIDED TO CONTRACTOR FOR HIS REFERENCE AND COMPLIANCE BY OWNER.
- PROJECT SITE IS SUBJECT TO HIGH GROUND WATER CONDITIONS DUE TO RECHARGE FROM THE MISSISSIPPI RIVER AND GROUND ELEVATIONS BELOW SEA LEVEL. STANDING WATER IN DRAINAGE DITCHES AND CANAL VARIES WITH RIVER AND BASIN WATER LEVELS, ON A SEASONAL BASIS.

SURVEY NOTES:

- ALL ELEVATIONS ARE GIVEN IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) (GEOID 12A) U.S. SURVEY FEET. ALL HORIZONTAL COORDINATES ARE GIVEN IN THE NORTH AMERICAN DATUM OF 1983 (NAD 83) (2011) EPOCH 2010.00, LOUISIANA STATE PLANE SOUTH ZONE (1702) U.S. FEET.
 - REFERENCE MONUMENTS USED FOR HORIZONTAL AND VERTICAL CONTROLS IN ACQUIRING SURVEY DATA ARE AS FOLLOWS:
- | STATION | NORTHING | EASTING | ELEVATION |
|---------|------------|--------------|-----------|
| N366 | 420,339.61 | 3,714,719.66 | 0.93 |
| V393 | 425,749.75 | 3,712,011.97 | 3.70 |
- SPOT ELEVATIONS AND SURVEY TRANSECTS ARE BASED ON SURVEYS CONDUCTED BY FUGRO GEOSPATIAL SERVICES JOHN CHANCE LAND SURVEYS, INC. BETWEEN APRIL AND AUGUST 2013.
 - MAGNETIC ANOMALIES, PLOTTED AS POTENTIAL SUBMERGED/UNDERGROUND HAZARDS IN THE SURVEYED CONVEYANCE CHANNEL OUTFALL AREA WITHIN BARATARIA BASIN (APPROXIMATELY 1 SQ MI), ARE BASED ON MAGNETOMETER SURVEYS CONDUCTED BY JCLS, INC. IN JULY 2013.
 - SINGLE BEAM AND MULTIBEAM BATHYMETRIC CHANNEL BOTTOM AND REVETMENT SURVEYS; AND MAGNETIC ANOMALIES, PLOTTED AS POTENTIAL SUBMERGED/UNDERGROUND HAZARDS IN THE SURVEYED AREA APPROXIMATELY 1/2 MILE UPSTREAM AND DOWNSTREAM OF THE PROPOSED DIVERSION CHANNEL WITHIN THE MISSISSIPPI RIVER; ARE BASED ON HYDROGRAPHIC SURVEYS CONDUCTED BY JCLS, INC. BETWEEN JULY AND AUGUST 2013.

- LIDAR ELEVATION DATA WAS ACQUIRED BY FUGRO AERIAL & MOBILE MAPPING, INC. IN AUGUST 2013 FOR PROJECT LIMITS.
- CONTOURS AND EXISTING GROUND SURFACE MODELS ARE BASED ON A COMPILATION OF BATHYMETRIC, LIDAR AND PHYSICAL SURVEY DATA REFERENCED SOURCES.
- HIGHER RESOLUTION LOCALIZED AERIAL IMAGES SHOWN IN THE PLANS WERE ACQUIRED ALONG WITH AERIAL LIDAR DATA IN AUGUST 2013.
- LOWER RESOLUTION IMAGES SHOWN IN THE PLANS ARE FROM THE U.S. DEPARTMENT OF AGRICULTURE (USDA) NATIONAL AERIAL IMAGERY PROGRAM (NAIP), OCTOBER OF 2010.
- DATA FROM CPRA GAGE BA03C-CR-61 IN BAYOU DUPONT WERE USED TO CALCULATE THE MHW=0.87' AND MLW=0.50' NAVD 88, U.S. FEET, ELEVATIONS IN BARATARIA BASIN. THIS DATA IS EXCERPTED FROM BA-43(EB) AND BA-48 FINAL DESIGN DRAWINGS.
- SURVEY CONTROL DURING CONSTRUCTION SHALL BE CONSISTENT WITH CONTROLS PUBLISHED IN THESE DOCUMENTS. NO OTHER SURVEY CONTROL SHALL BE UTILIZED FOR CONSTRUCTION LAYOUT. ANY UPDATES, CORRECTIONS OR OTHER CHANGES PUBLISHED BY NGS AND/OR OTHER ENTITIES FOR THESE CONTROL MONUMENTS SHALL NOT BE APPLIED TO MAINTAIN CONSISTENCY BETWEEN PROJECT DESIGN AND CONSTRUCTION.

UTILITY OWNERS IDENTIFIED IN OR NEAR THE PROJECT LIMITS

COMPANY	CONTACT	PHONE NUMBER
AT&T	MIKE WAGUESPACK	504-368-0843
SHELL PIPELINE COMPANY, LP	TAMMY PIMLEY	504-425-4799
ATMOS ENERGY	BRIAN BLUM	504-362-5258
CMA COMMUNICATIONS	DARREN GUILLOT	504-669-9623
AMERICAN MIDSTREAM ASSETS	DAN FAYARD	504-849-2217
SEVERN TRENT SERVICES	MIKE CALLEGARI	504-392-4177
ENTERGY DISTRIBUTION	GUY JOHNSON	987-351-4878
ENBRIDGE MIDCOAST LOUISIANA LIQUIDS	DAN FAYARD	504-849-2217
PLAINS PIPELINE	RUSTY J. CAVALIER	504-393-6282
RIO GRANDE PACIFIC*	JOHNNY HYDES	504-458-1075
ENTERGY OVERHEAD TRANSMISSION	JIMMY SHOLAR	504-219-4204
ENTERGY SUBMERGED TRANSMISSION*	GARY HERBERT	985-850-1253

*UNVERIFIED CONTACTS

PRELIMINARY DOCUMENTS

NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE, SALES, OR AS THE BASIS FOR PERMIT ISSUANCE.

GARLAND P. PENNISON, LA20931
ROBERT J. BEDUHN, LA38502



REV.	DATE	DESCRIPTION	BY



**COASTAL PROTECTION & RESTORATION AUTHORITY
ENGINEERING DIVISION**

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: L. CONTRERAS

DESIGNED BY: -

**MID-BARATARIA SEDIMENT
DIVERSION PROJECT**

STATE PROJECT NUMBER: BA-153

FEDERAL PROJECT NUMBER: BA-153

APPROVED BY:

VOLUME 3

GENERAL NOTES

DATE: JULY 2014

DWG 3-00G003 SHT 3

CIVIL MAPPING SYMBOLOGY

	EMBANKMENT SLOPE (CUT)
	EMBANKMENT SLOPE (FILL)
	EMBANKMENT SLOPE RIGHT ARROW RIGHT
	EMBANKMENT SLOPE LEFT ARROW LEFT
	SPOT ELEVATION/POINT #
	SURVEY BENCHMARK
	SURVEY CONTROL POINT
	HORIZONTAL CONTROL POINT
	VERTICAL CONTROL POINT
	IDENTIFICATION AND APPROXIMATE LOCATION OF SOIL TEST HOLE
	TEST PIT
	SOIL BORING
	BUOY
	FLOW ARROW
	WATER LEVEL IN SECTION/PROFILE
	TIDE GAUGE
	EXISTING UTILITY POLE
	DOWNGUY
	EXTERIOR UTILITY JUNCTION BOX
	INTERSTATE HIGHWAY SYMBOL
	US HIGHWAY SYMBOL
	STATE HIGHWAY SYMBOL
	HAY BALE SILT CHECK
	TEMPORARY SEDIMENT TRAP
	PIEZOMETER
	RAIL SIGNAL
	RAIL SWITCH

	CLEANOUT
	CULVERT END SYMBOL (WITH CULVERT SHOWN BETWEEN SYMBOLS)
	FIRE HYDRANT
	HEADWALL
	INDUSTRIAL WASTE WATER METER
	INDUSTRIAL WASTE WATER MANHOLE
	NATURAL GAS METER
	NATURAL GAS RECEIVER
	NATURAL GAS TRAP
	NATURAL GAS LINE VAULT
	MONITORING WELL
	POST INDICATOR VALVE
	PUMP STATION
	SANITARY MANHOLE
	SEPTIC TANK
	TANK BELOW GROUND
	TANK HORIZONTAL ABOVE GROUND
	TANK VERTICAL ABOVE GROUND
	STORM CATCH BASIN
	STORM ROUND CATCH BASIN
	STORM DRAINAGE MANHOLE
	WATER/AIR VENT
	WATER BACKFLOW PREVENTER
	WATER BLOWOFF
	WATER METER
	WATER SHUTOFF
	WATER VALVE VAULT
	VALVE
	SIGN
	RM 56 RIVER MILE MARKER

UTILITY/CIVIL LINE SYMBOLOGY

	UTILITY BENEATH STRUCTURE
	RAILROAD
	CENTERLINE
	PARISH BOUNDARY
	PROPERTY LINE
	EASEMENT
	LIMITS OF CONSTRUCTION
	ROW
	EXISTING CONTOUR (MINOR)
	EXISTING CONTOUR W/ELEVATION (MAJOR)
	EXISTING FENCE
	EXISTING VEGETATION/BRUSH LINE
	FENCE - BARB WIRE
	FENCE - CHAIN LINK
	FENCE - FIELD
	FENCE - WOOD
	FLOOD LIMIT (25 YEAR)
	FLOOD LIMIT (50 YEAR)
	FLOOD LIMIT (100 YEAR)
	FLOOD LIMIT (200 YEAR)
	FLOOD LIMIT (500 YEAR)
	HIGHWAY GUARDRAIL
	NEW CONTOUR (MINOR)
	NEW CONTOUR (MAJOR)
	ROCK BERM
	SILT FENCE
	FIBER OPTIC
	FUEL OIL
	NATURAL GAS
	INDUSTRIAL WASTE WATER
	SANITARY SEWER
	STORM SEWER
	DOMESTIC WATER
	MISSISSIPPI RIVER
	RIVER REVETMENT
	NOV BACK LEVEE ROW
	CPRA PERMANENT SERVITUDE

ABBREVIATIONS

DETAIL
SCALE: 1" = 20'

SECTION
SCALE: 1" = 20'

PLAN TITLE
SCALE: 1" = 1000'

PROFILE TITLE
HORIZ SCALE: 1" = 300'
VERT SCALE: 1" = 30'

GENERAL NOTES:

- THIS IS A STANDARD CIVIL SYMBOLOGY SHEET. ALL SYMBOLS ARE NOT NECESSARILY USED ON THIS PROJECT.
- SCREENING OR SHADING OF WORK IS USED TO INDICATE EXISTING COMPONENTS OR TO DE-EMPHASIZE PROPOSED IMPROVEMENTS TO HIGHLIGHT SELECTED TRADE WORK. REFER TO CONTEXT OF EACH SHEET FOR USAGE.

PRELIMINARY DOCUMENTS

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GARLAND P. PENNISON, LA20931
ROBERT J. BEDUHN, LA38502



REV.	DATE	DESCRIPTION	BY



**COASTAL PROTECTION & RESTORATION AUTHORITY
ENGINEERING DIVISION**

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: F. MARTINEZ

DESIGNED BY: -

**MID-BARATARIA SEDIMENT
DIVERSION PROJECT**

STATE PROJECT NUMBER: BA-153

FEDERAL PROJECT NUMBER: BA-153

APPROVED BY:

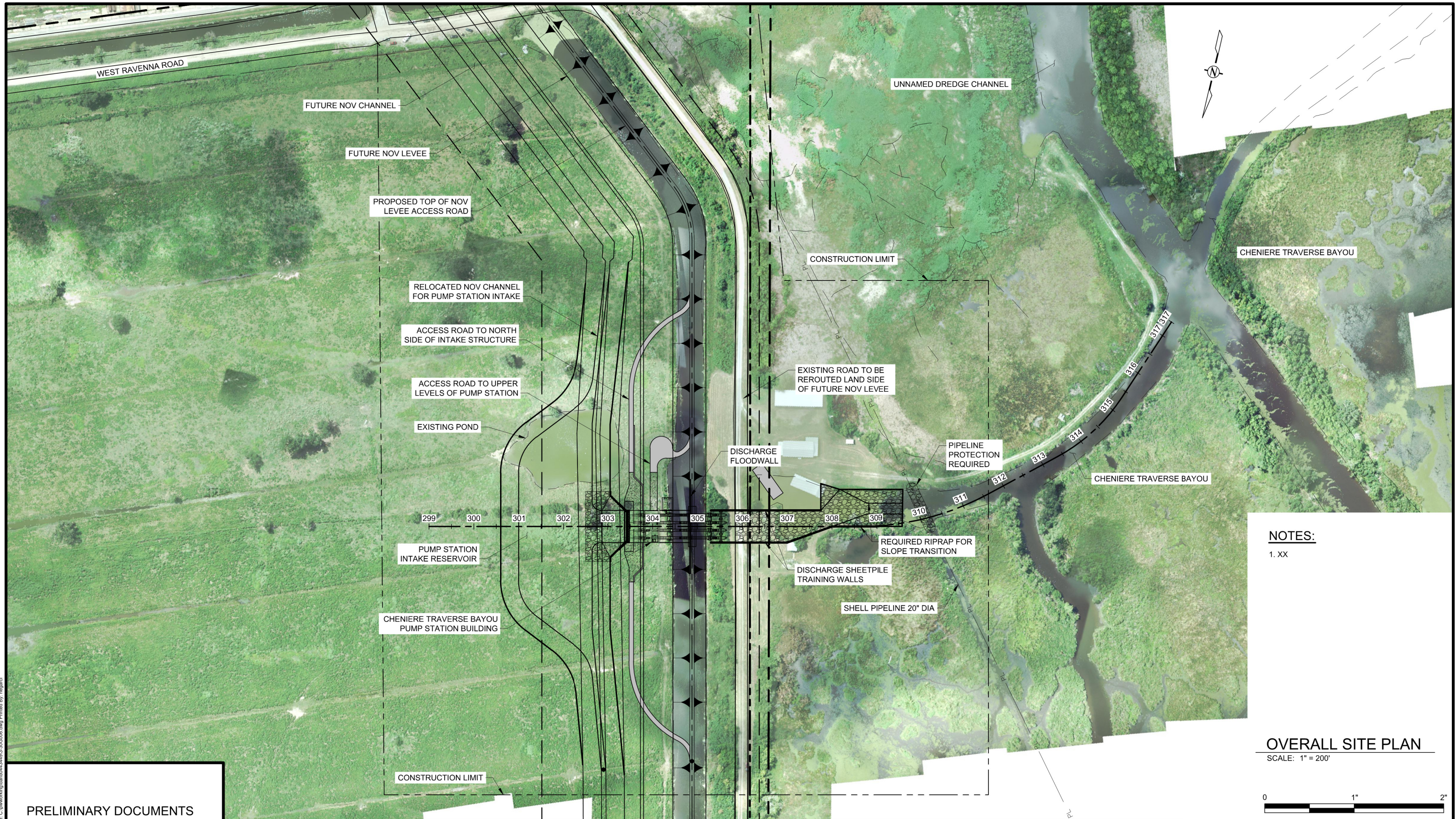
VOLUME 3

LEGEND

DATE: JULY 2014

DWG 3-00G005 SHT 5

Date: Jul 02, 2014 Time: 11:00am File Name: C:\working\hdp\0434493-30G005.dwg Printed By: hngard



NOTES:
1. XX

OVERALL SITE PLAN
SCALE: 1" = 200'



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**COASTAL PROTECTION & RESTORATION AUTHORITY
ENGINEERING DIVISION**

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: H. GARCIA

DESIGNED BY: -

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DIVERSION PROJECT**

STATE PROJECT NUMBER: BA-153

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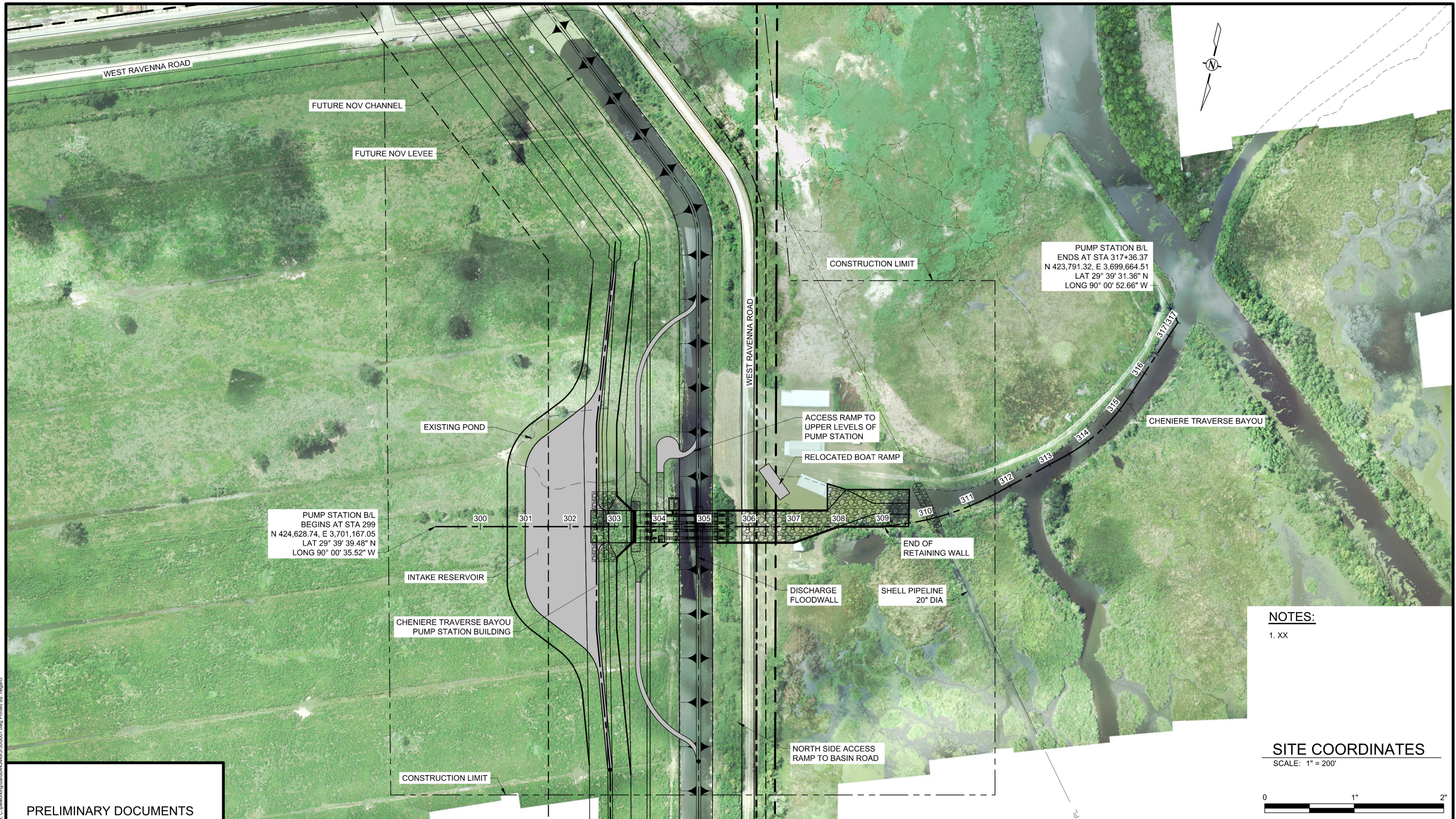
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**VOLUME 3
GENERAL
PUMP STATION
OVERALL SITE PLAN**

DATE: JULY 2014

DWG 3-00G006 SHT 6

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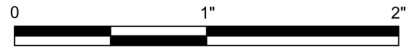
PUMP STATION B/L
 BEGINS AT STA 299
 N 424,628.74, E 3,701,167.05
 LAT 29° 39' 39.48" N
 LONG 90° 00' 35.52" W

PUMP STATION B/L
 ENDS AT STA 317+36.37
 N 423,791.32, E 3,699,664.51
 LAT 29° 39' 31.36" N
 LONG 90° 00' 52.66" W

NOTES:

1. XX

SITE COORDINATES
 SCALE: 1" = 200'



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450 LAUREL STREET
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DRAWN BY: H. GARCIA

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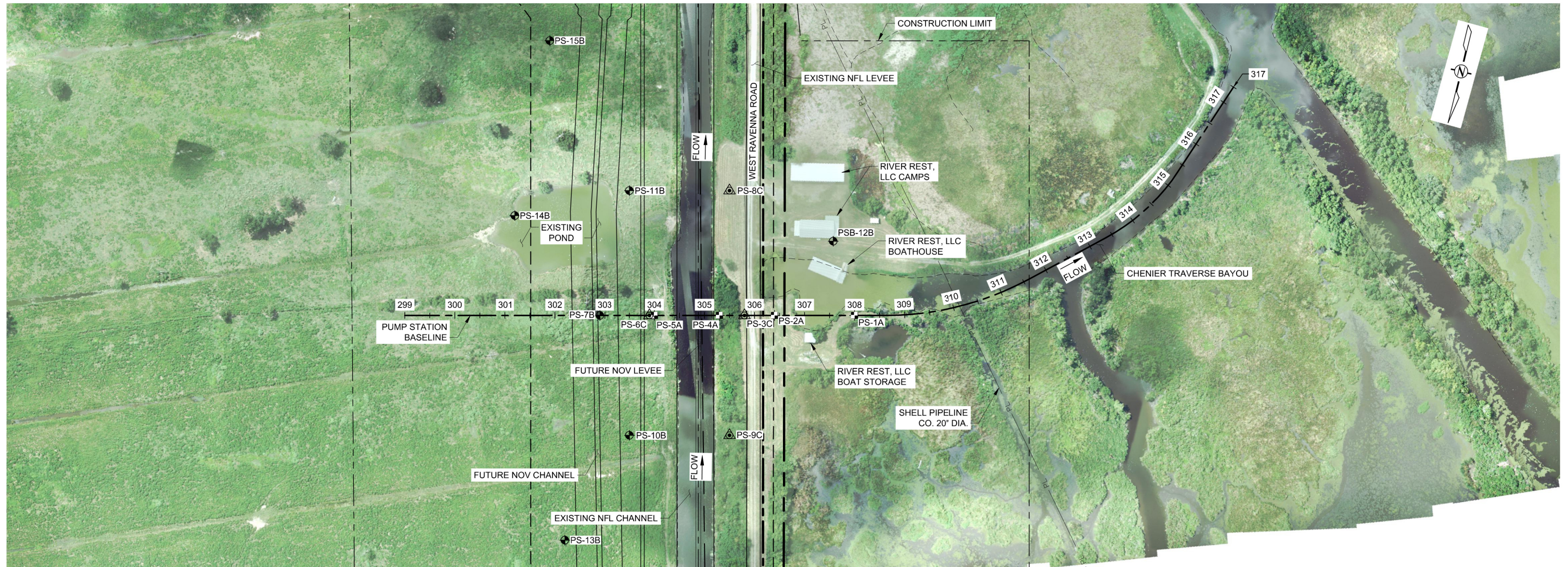
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**VOLUME 3
 GENERAL
 PUMP STATION
 SITE COORDINATES**

DATE: JULY 2014

DWG 3-00G007 SHT 7

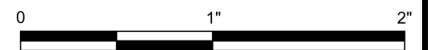
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GEOTECH SITE EXPLORATION SITE PLAN
 SCALE: 1" = 200'

NOTES:

1. GEOTECHNICAL INVESTIGATION IS PENDING IN SECOND PHASE OF SITE CHARACTERIZATION.



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450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

DRAWN BY: J. BEAUGH

DESIGNED BY: -

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STATE PROJECT NUMBER: BA-153

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APPROVED BY:

**VOLUME 3
 GEOTECH
 SITE EXPLORATION
 SITE PLAN & LEGEND**

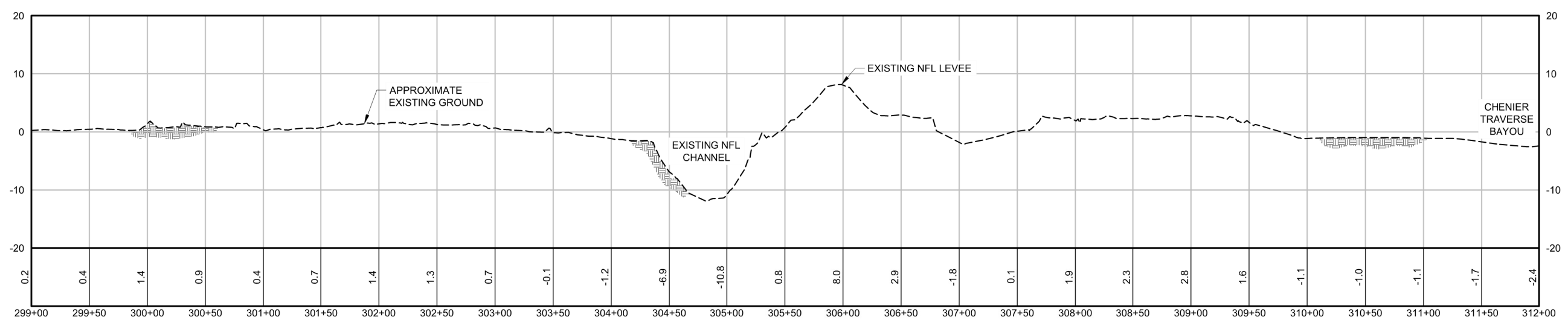
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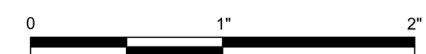


PLAN
SCALE: 1" = 100'

NOTES:
1. BORING LOCATIONS ARE PROPOSED.



PROFILE
HORIZ SCALE: 1" = 100'
VERT SCALE: 1" = 20'



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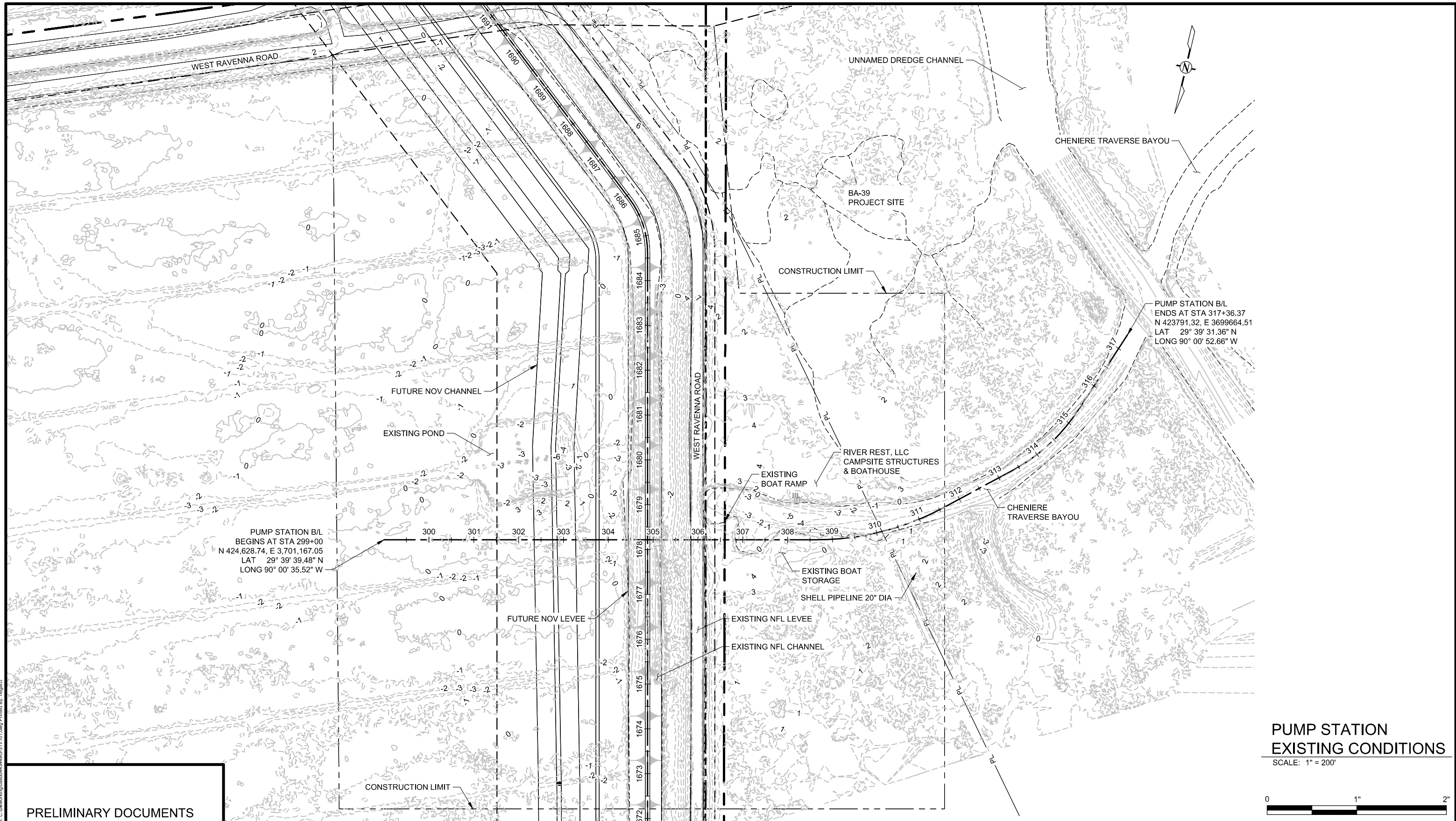
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**VOLUME 3
GEOTECH
SITE EXPLORATION
PLAN AND PROFILE**

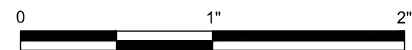
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DWG 3-31B201 SHT 9

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**PUMP STATION
EXISTING CONDITIONS**
SCALE: 1" = 200'



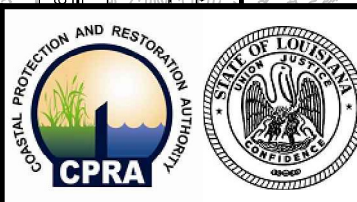
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RECORDATION, CONVEYANCE, SALES, OR AS THE
BASIS FOR PERMIT ISSUANCE.

GARLAND P. PENNISON, LA20931
ROBERT J. BEDUHN, LA38502



REV.	DATE	DESCRIPTION	BY



**COASTAL PROTECTION & RESTORATION AUTHORITY
ENGINEERING DIVISION**

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: L. CONTRERAS

DESIGNED BY: -

**MID-BARATARIA SEDIMENT
DIVERSION PROJECT**

STATE PROJECT NUMBER: BA-153

FEDERAL PROJECT NUMBER: BA-153

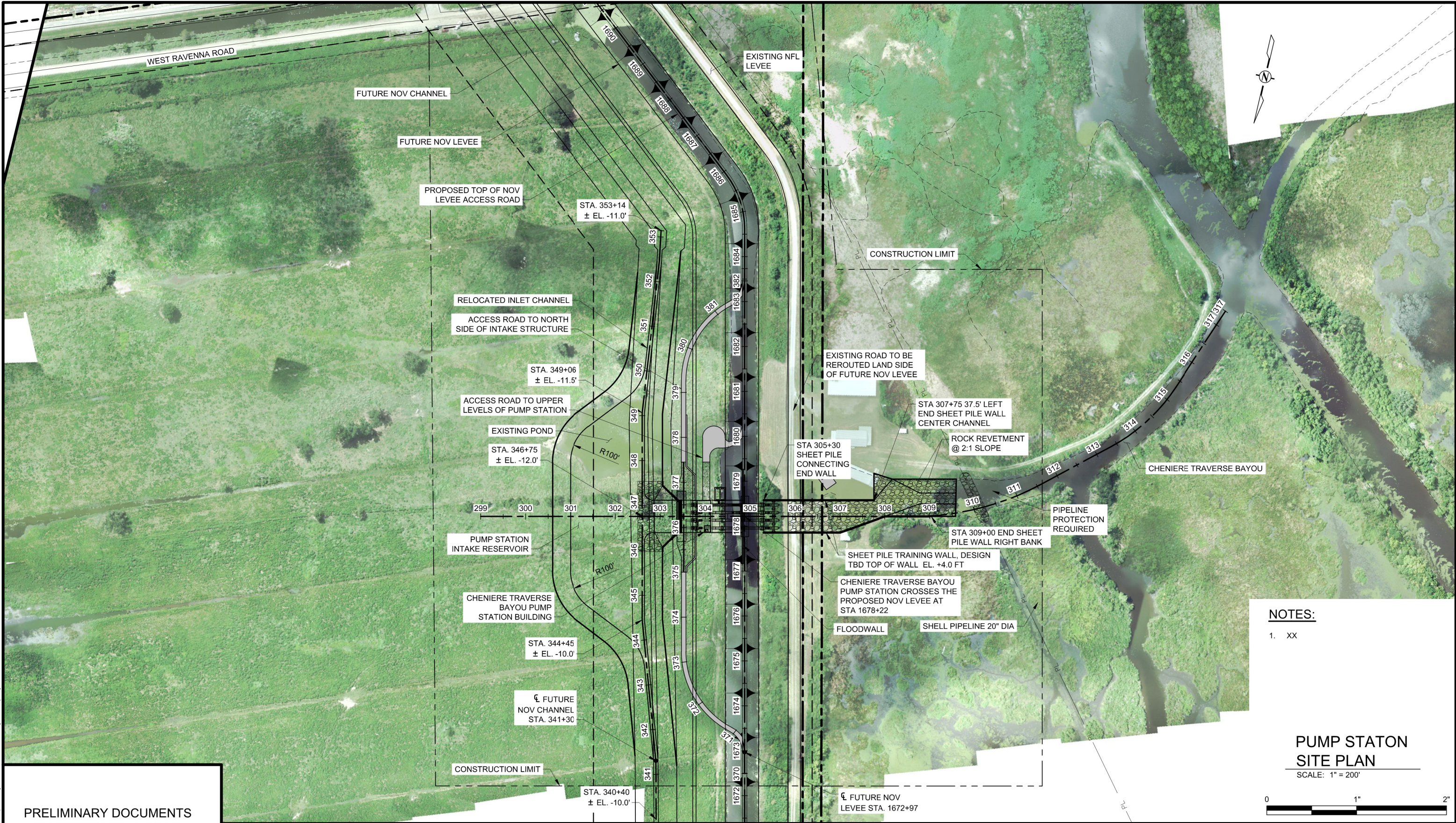
APPROVED BY:

**VOLUME 3
CIVIL
PUMP STATION
EXISTING CONDITIONS**

DATE: JULY 2014

DWG 3-31V101 SHT 10

Date: Jul 02, 2014 Time: 11:01am File Name: C:\pwworking\hadr\4493-31V101.dwg Printed By: hngard



NOTES:
1. XX

**PUMP STATION
SITE PLAN**
SCALE: 1" = 200'



PRELIMINARY DOCUMENTS

NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE, SALES, OR AS THE BASIS FOR PERMIT ISSUANCE.

GARLAND P. PENNISON, LA20931
ROBERT J. BEDUHN, LA38502



REV.	DATE	DESCRIPTION	BY



**COASTAL PROTECTION & RESTORATION AUTHORITY
ENGINEERING DIVISION**
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: L. CONTRERAS

DESIGNED BY: -

**MID-BARATARIA SEDIMENT
DIVERSION PROJECT**

STATE PROJECT NUMBER: BA-153

FEDERAL PROJECT NUMBER: BA-153

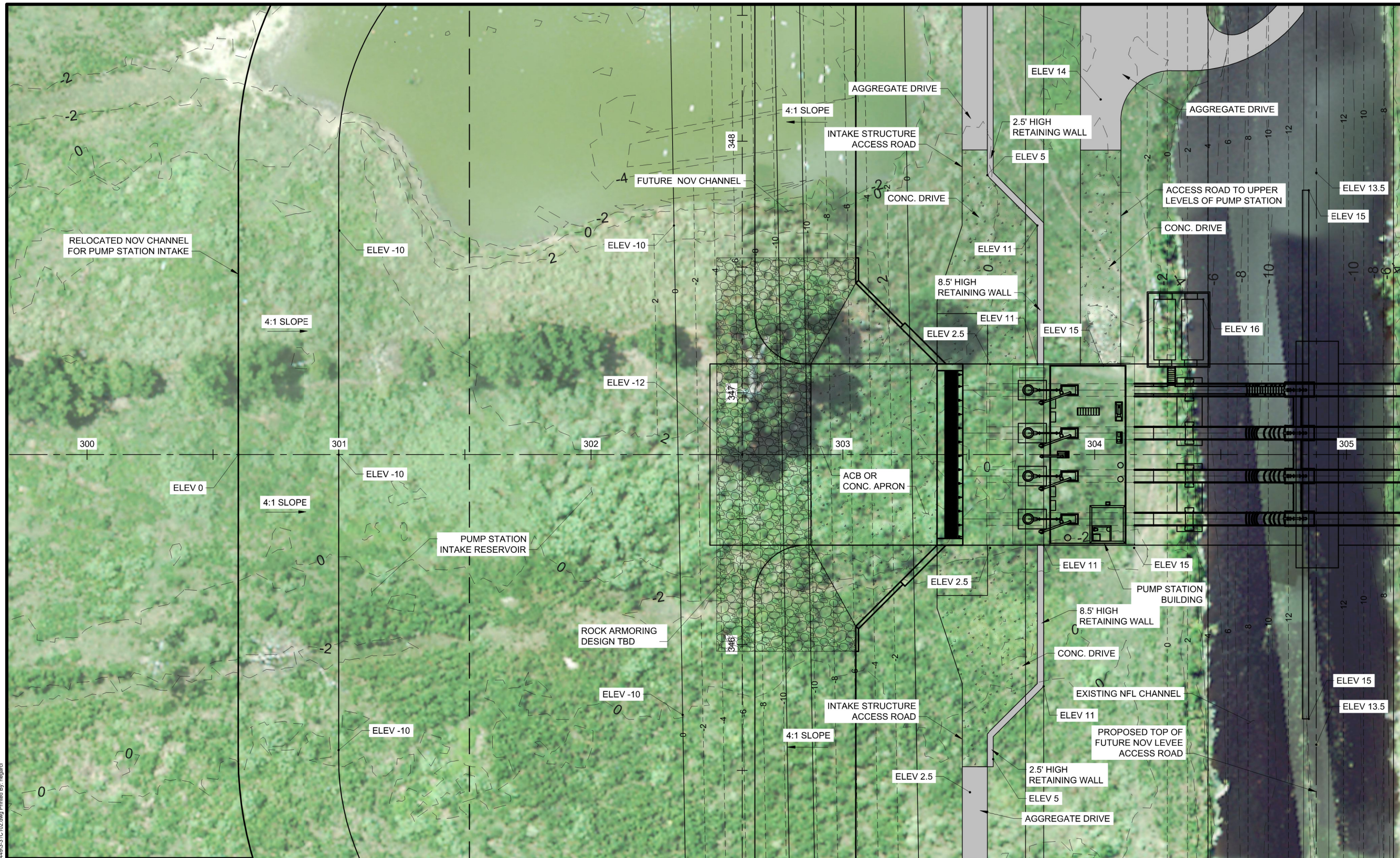
APPROVED BY:

**VOLUME 3
CIVIL
PUMP STATION
SITE PLAN**

DATE: JULY 2014

DWG 3-31C101 SHT 11

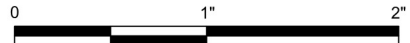
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- NOTES:**
1. FINAL SITE GRADING OF PUMP STATION PENDING. PRELIMINARY FINISH GRADE ELEVATIONS ARE AS SHOWN.
 2. PRELIMINARY ELEVATIONS OF FUTURE NOV LEVEE SHOWN BASED ON 65% USACE PLAN DOCUMENTS.

MATCH LINE - SEE SHEET 3-31C103

PUMP STATION SITE GRADING
SCALE: 1" = 40'



PRELIMINARY DOCUMENTS
NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE, SALES, OR AS THE BASIS FOR PERMIT ISSUANCE.
GARLAND P. PENNISON, LA20931
ROBERT J. BEDUHN, LA38502

REV.	DATE	DESCRIPTION	BY	



**COASTAL PROTECTION & RESTORATION AUTHORITY
ENGINEERING DIVISION**
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: L. CONTRERAS DESIGNED BY: -

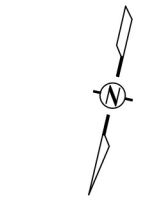
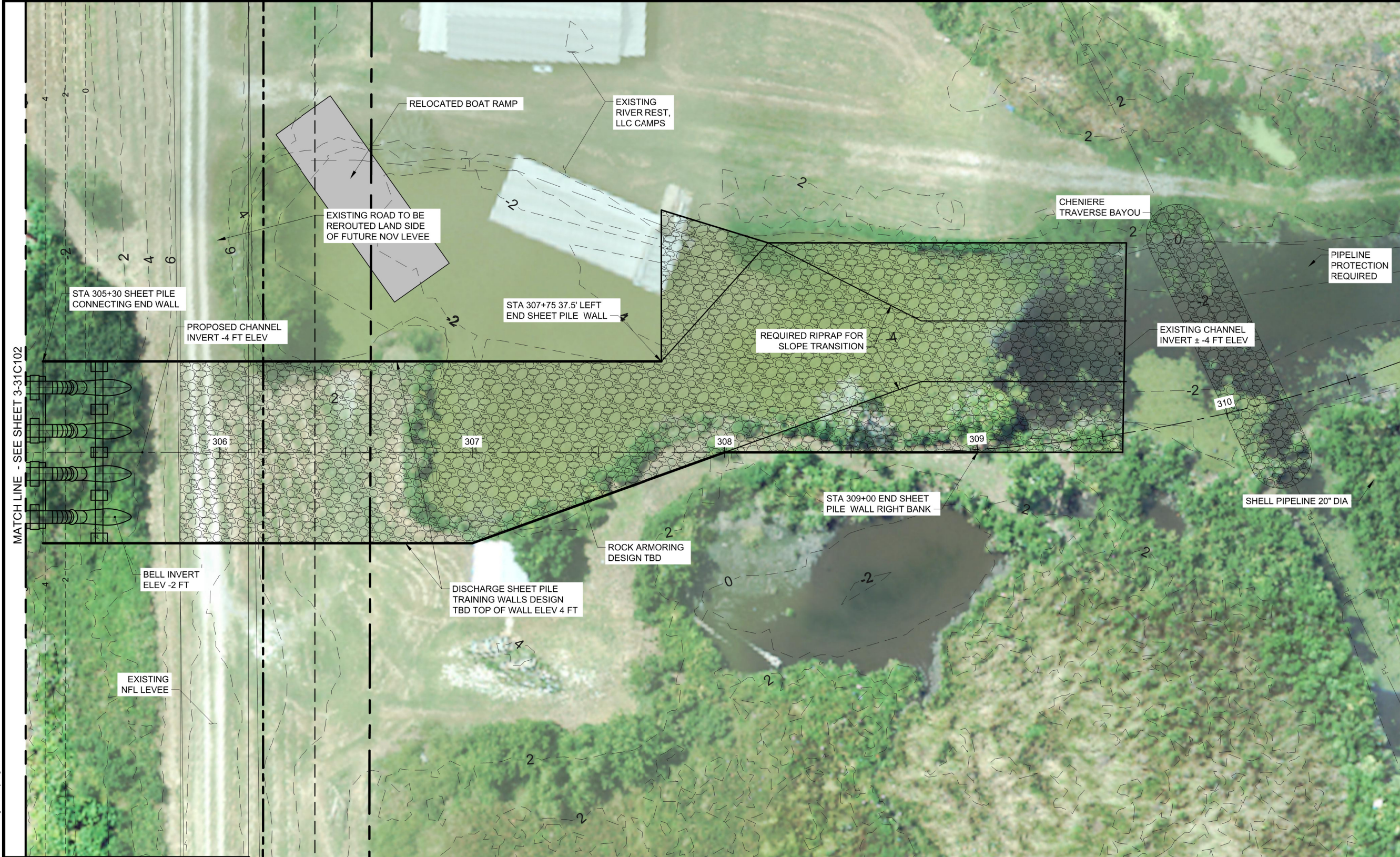
**MID-BARATARIA SEDIMENT
DIVERSION PROJECT**

STATE PROJECT NUMBER: BA-153
FEDERAL PROJECT NUMBER: BA-153
APPROVED BY: _____

**VOLUME 3
CIVIL
PUMP STATION
SITE GRADING**

DATE: JULY 2014
DWG 3-31C102 SHT 12

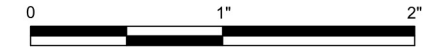
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- NOTES:**
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 2. PRELIMINARY ELEVATIONS OF FUTURE NOV LEVEE SHOWN BASED ON 65% USACE PLAN DOCUMENTS.

MATCH LINE - SEE SHEET 3-31C102

PUMP STATION SITE GRADING
SCALE: 1" = 40'



PRELIMINARY DOCUMENTS
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GARLAND P. PENNISON, LA20931
ROBERT J. BEDUHN, LA38502



REV.	DATE	DESCRIPTION	BY



**COASTAL PROTECTION & RESTORATION AUTHORITY
ENGINEERING DIVISION**
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

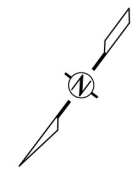
DRAWN BY: L. CONTRERAS

DESIGNED BY: -

**MID-BARATARIA SEDIMENT
DIVERSION PROJECT**
STATE PROJECT NUMBER: BA-153
FEDERAL PROJECT NUMBER: BA-153
APPROVED BY:

**VOLUME 3
CIVIL
PUMP STATION
SITE GRADING**
DATE: JULY 2014
DWG 3-31C103 SHT 13

Date: Jul 02, 2014, Time: 11:02am File Name: C:\pwworking\hadr\04\34493\31C103.dwg Printed By: negard

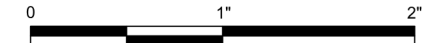


NOTE:

1. FORCED DRAINAGE FROM LA REUSSITE TO MYRTLE GROVE PROVIDED AT WILKINSON CANAL PUMP STATION, TOTAL AREA IS APPROXIMATELY 5,760 ACRES.
2. REFINERY SITE HAS 548 ACRES DRAINAGE ONSITE. DRAINAGE IS PUMPED TO THE MISSISSIPPI RIVER.
3. WILKINSON PUMP STATION NOMINAL CAPACITY IS 1,000 CFS WITH A PUMP OFF ELEVATION OF -5 FEET NAVD88.

EXISTING DRAINAGE PLAN

SCALE: 1" = 3000'



PRELIMINARY DOCUMENTS

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GARLAND P. PENNISON, LA20931
ROBERT J. BEDUHN, LA38502



REV.	DATE	DESCRIPTION	BY



**COASTAL PROTECTION & RESTORATION AUTHORITY
ENGINEERING DIVISION**

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: J. BEAUGH

DESIGNED BY: -

**MID-BARATARIA SEDIMENT
DIVERSION PROJECT**

STATE PROJECT NUMBER: BA-153

FEDERAL PROJECT NUMBER: BA-153

APPROVED BY:

**VOLUME 3
CIVIL
PUMP STATION
DRAINAGE PLAN**

DATE: JULY 2014

DWG 3-31C104 SHT 14

Date: Jul 02, 2014 Time: 11:03am File Name: C:\working\04\04\34493\31C104.dwg Printed By: negard



NOTES:

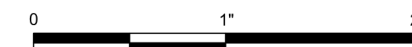
1. TOTAL DRAINAGE AREA PROPOSED TO DISCHARGE AT CHENIERE TRAVERSE BAYOU PUMP STATION IS 3,900 ACRES.
2. PROPOSED PUMP STATION CAPACITY IS 740 CFS WITH A PUMP OFF ELEVATION OF -5 FEET NAVD88.

KEY NOTES:

- 1 PROJECT B/L
- 2 CONVEYANCE CHANNEL TOE
- 3 NORTH GUIDE LEVEE
- 4 NORTH GUIDE LEVEE MAINTENANCE RD
- 5 SOUTH GUIDE LEVEE
- 6 SOUTH GUIDE LEVEE MAINTENANCE RD
- 7 STABILITY BERM
- 8 PROPOSED CONSTRUCTION/ROW LIMIT
- 9 MR&T LEVEE
- 10 NFL LEVEE
- 11 PUMP STATION

PROPOSED DRAINAGE PLAN

SCALE: 1" = 3000'



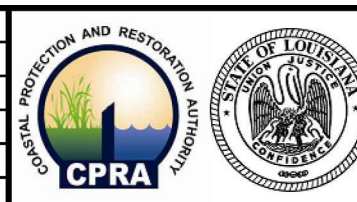
PRELIMINARY DOCUMENTS

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GARLAND P. PENNISON, LA20931
ROBERT J. BEDUHN, LA38502



REV.	DATE	DESCRIPTION	BY



**COASTAL PROTECTION & RESTORATION AUTHORITY
ENGINEERING DIVISION**

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: J. BEAUGH

DESIGNED BY: -

**MID-BARATARIA SEDIMENT
DIVERSION PROJECT**

STATE PROJECT NUMBER: BA-153

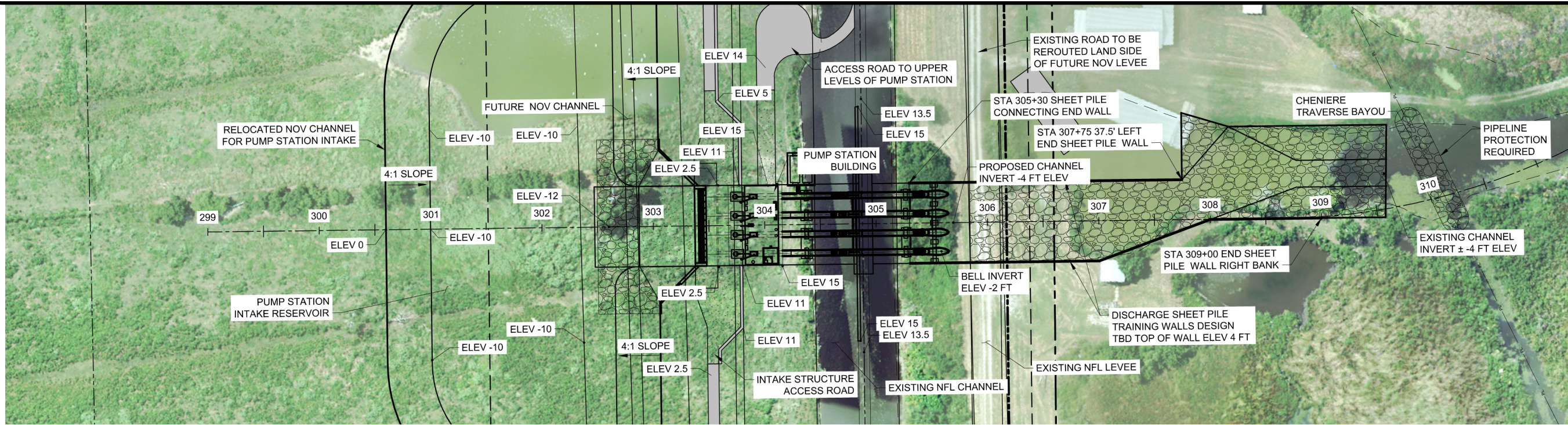
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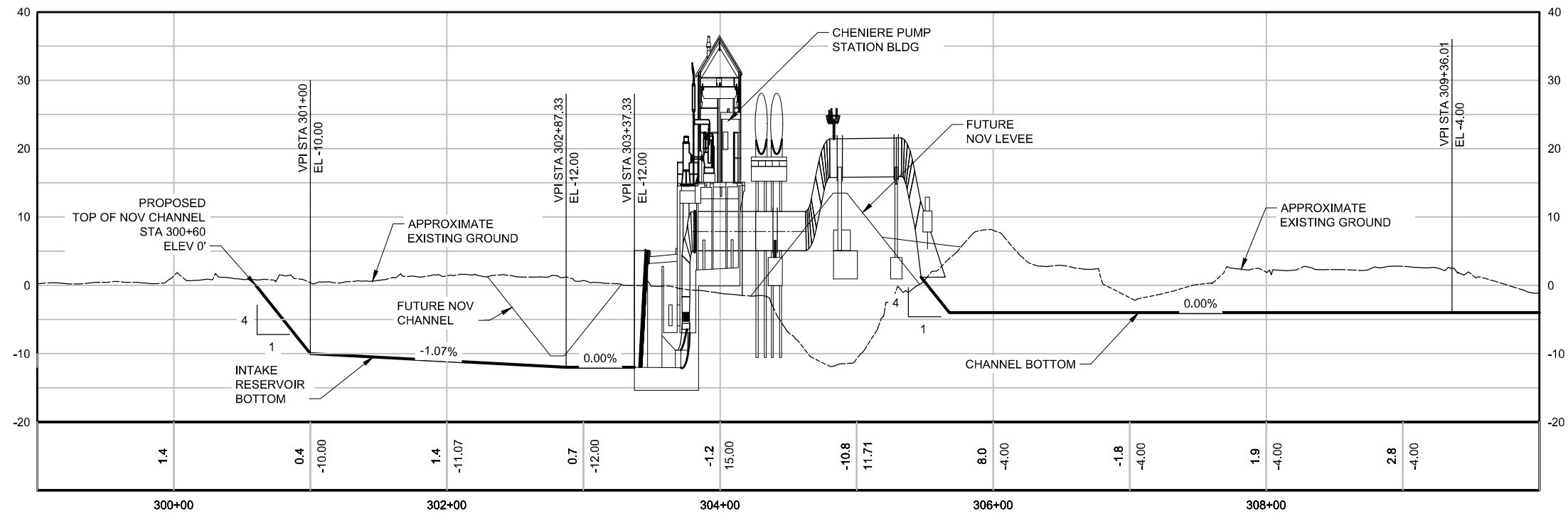
**VOLUME 3
CIVIL
PUMP STATION
DRAINAGE PLAN**

DATE: JULY 2014

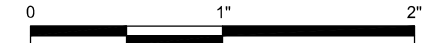
DWG 3-31C105 SHT 15



PLAN
SCALE: 1" = 100'



PROFILE
HORIZ SCALE: 1" = 100'
VERT SCALE: 1" = 20'



PRELIMINARY DOCUMENTS

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GARLAND P. PENNISON, LA20931
ROBERT J. BEDUHN, LA38502



REV.	DATE	DESCRIPTION	BY



**COASTAL PROTECTION & RESTORATION AUTHORITY
ENGINEERING DIVISION**

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: H. GARCIA

DESIGNED BY: -

**MID-BARATARIA SEDIMENT
DIVERSION PROJECT**

STATE PROJECT NUMBER: BA-153

FEDERAL PROJECT NUMBER: BA-153

APPROVED BY:

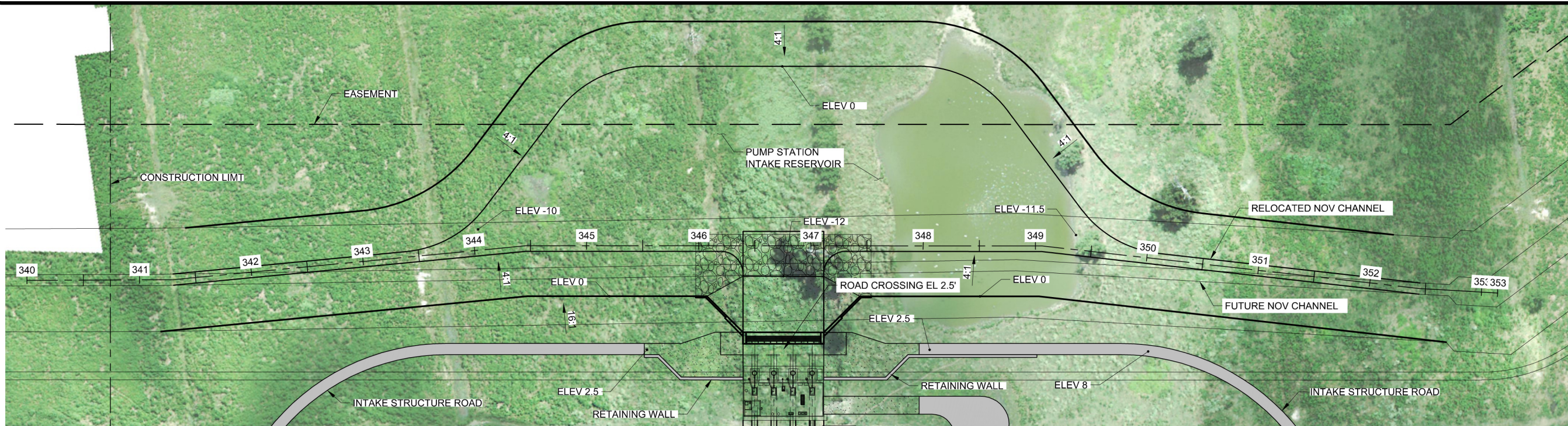
VOLUME 3

**CIVIL
CHENIERE CHANNEL
PLAN AND PROFILE**

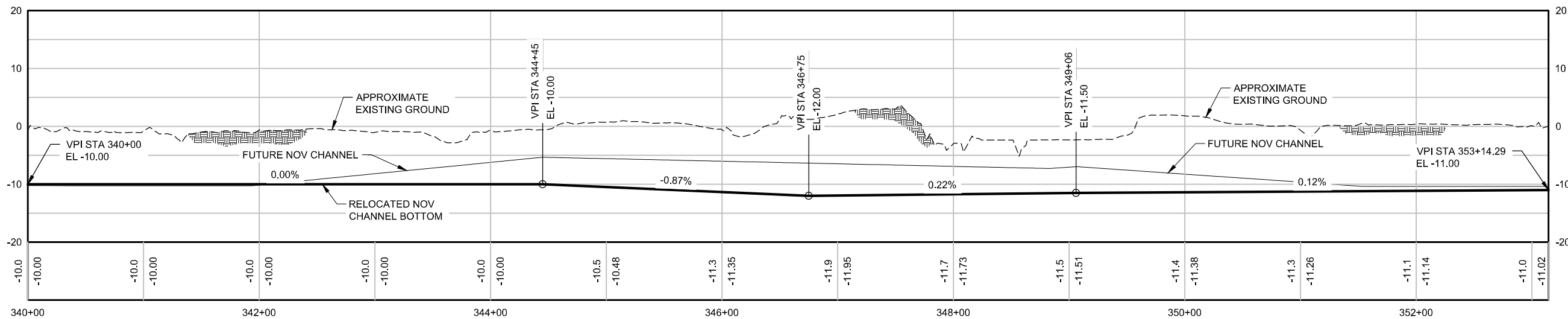
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DWG 3-31C201 SHT 16

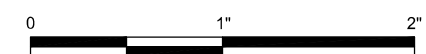
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PLAN
SCALE: 1" = 100'



PROFILE
HORIZ SCALE: 1" = 100'
VERT SCALE: 1" = 20'



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GARLAND P. PENNISON, LA20931
ROBERT J. BEDUHN, LA38502



REV.	DATE	DESCRIPTION	BY



**COASTAL PROTECTION & RESTORATION AUTHORITY
ENGINEERING DIVISION**

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: F. MARTINEZ

DESIGNED BY: -

**MID-BARATARIA SEDIMENT
DIVERSION PROJECT**

STATE PROJECT NUMBER: BA-153

FEDERAL PROJECT NUMBER: BA-153

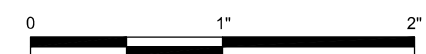
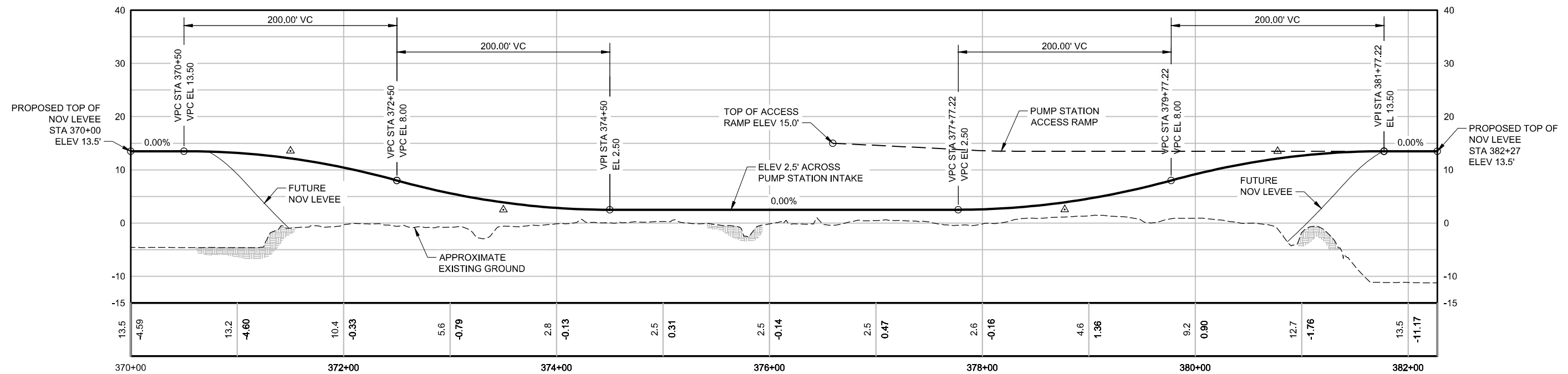
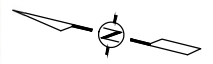
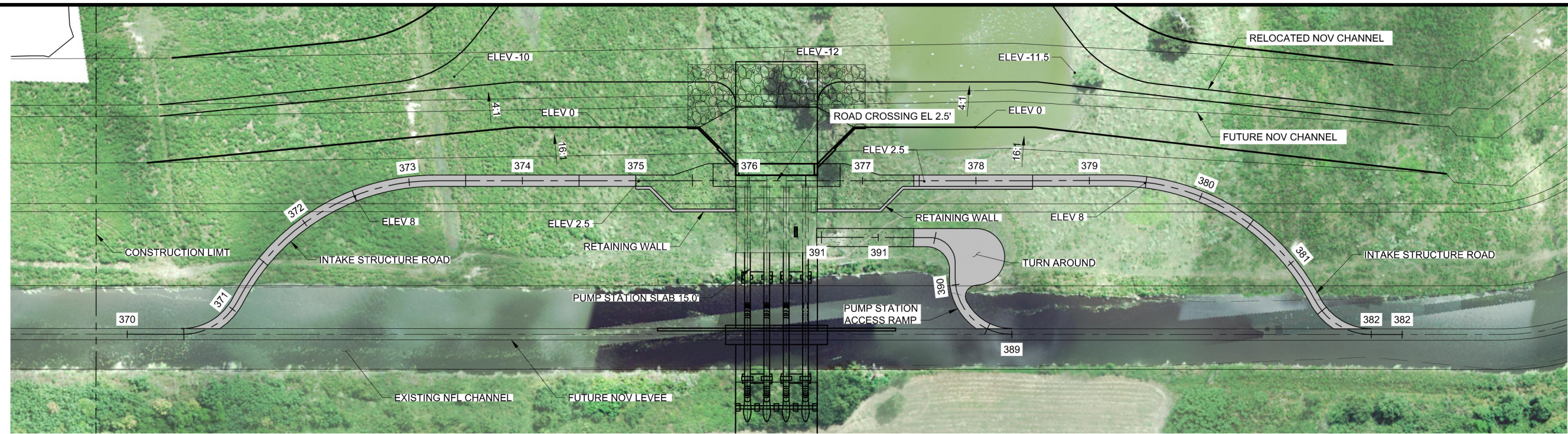
APPROVED BY:

**VOLUME 3
CIVIL
RELOCATED CHANNEL
PLAN AND PROFILE**

DATE: JULY 2014

DWG 3-31C202 SHT 17

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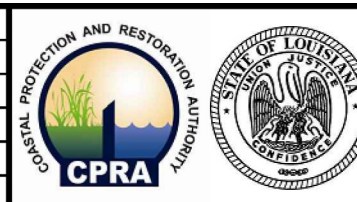
PRELIMINARY DOCUMENTS

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GARLAND P. PENNISON, LA20931
ROBERT J. BEDUHN, LA38502



REV.	DATE	DESCRIPTION	BY



**COASTAL PROTECTION & RESTORATION AUTHORITY
ENGINEERING DIVISION**

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: F. MARTINEZ

DESIGNED BY: -

**MID-BARATARIA SEDIMENT
DIVERSION PROJECT**

STATE PROJECT NUMBER: BA-153

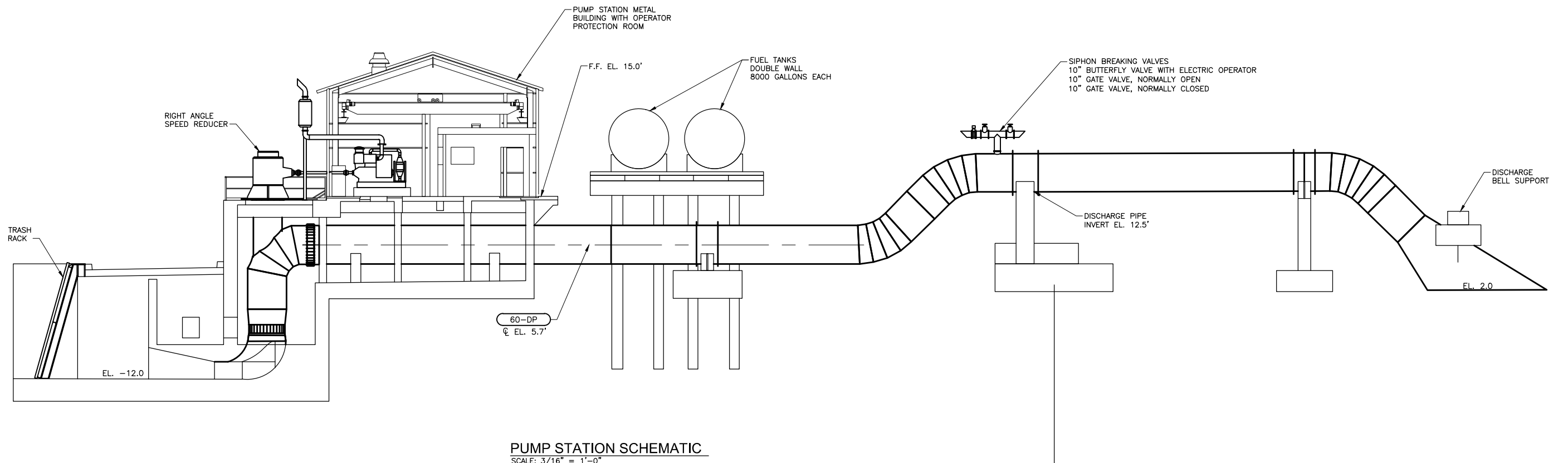
FEDERAL PROJECT NUMBER: BA-153

APPROVED BY:

**VOLUME 3
CIVIL
INTAKE STRUCTURE ROAD
PLAN AND PROFILE**

DATE: JULY 2014

DWG 3-31C203 SHT 18



PUMP STATION SCHEMATIC
SCALE: 3/16" = 1'-0"

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GARLAND P. PENNISON, LA20931
ROBERT J. BEDUHN, LA38502



REV.	DATE	DESCRIPTION	BY



**COASTAL PROTECTION & RESTORATION AUTHORITY
ENGINEERING DIVISION**

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: T. VAUGHAN

DESIGNED BY: -

**MID-BARATARIA SEDIMENT
DIVERSION PROJECT**

STATE PROJECT NUMBER: BA-153

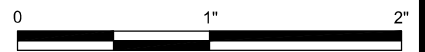
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APPROVED BY:

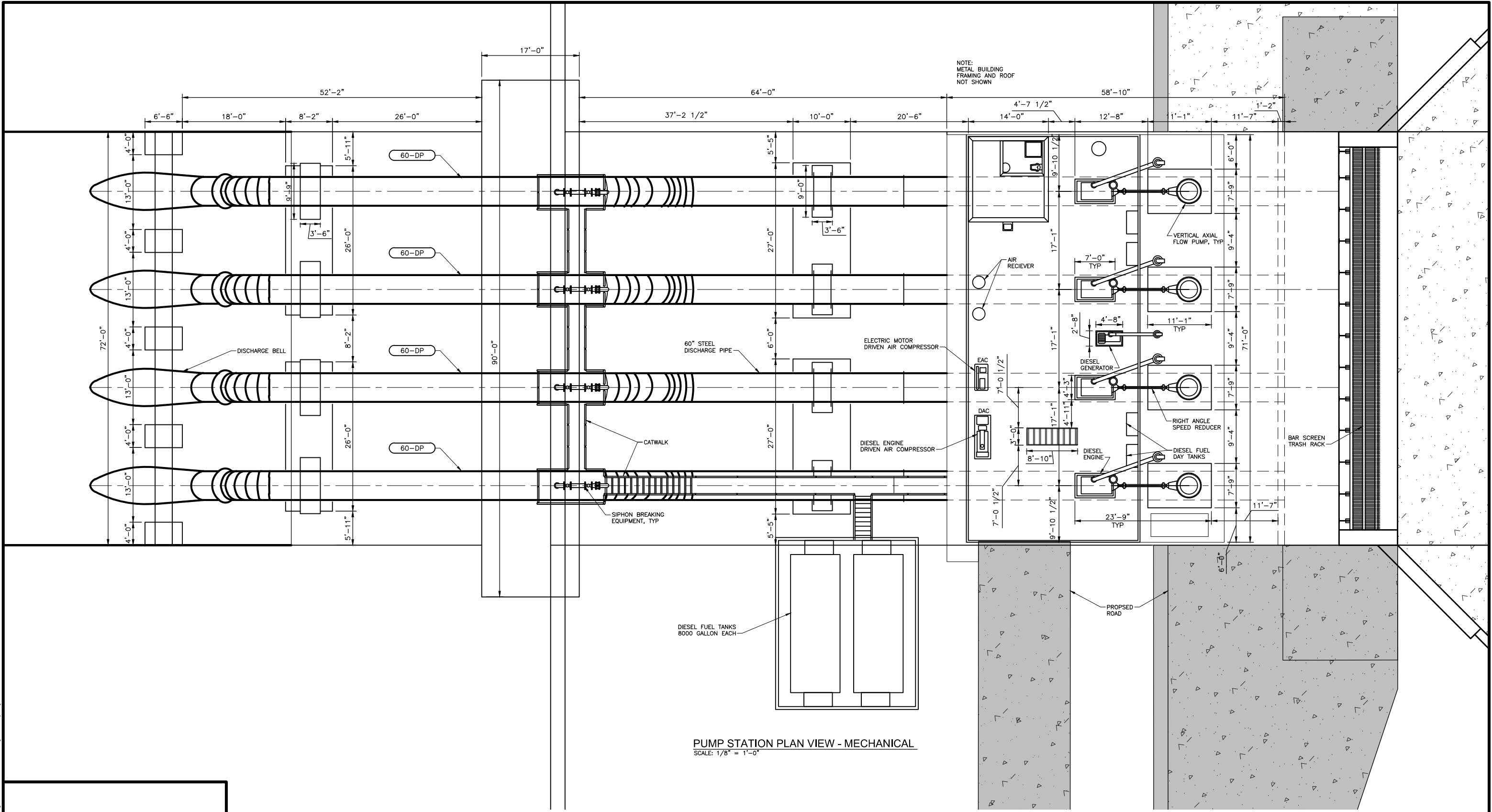
**VOLUME 3
PROCESS
PUMP STATION
SCHEMATIC**

DATE: JULY 2014

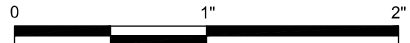
DWG 3-31D103 SHT 19



Date: Jul 02, 2014 Time: 11:04am File Name: C:\working\31D104\31D104.dwg Printed By: hgard



PUMP STATION PLAN VIEW - MECHANICAL
SCALE: 1/8" = 1'-0"



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GARLAND P. PENNISON, LA20931
ROBERT J. BEDUHN, LA38502



REV.	DATE	DESCRIPTION	BY



**COASTAL PROTECTION & RESTORATION AUTHORITY
ENGINEERING DIVISION**

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: T. VAUGHAN

DESIGNED BY: -

**MID-BARATARIA SEDIMENT
DIVERSION PROJECT**

STATE PROJECT NUMBER: BA-153

FEDERAL PROJECT NUMBER: BA-153

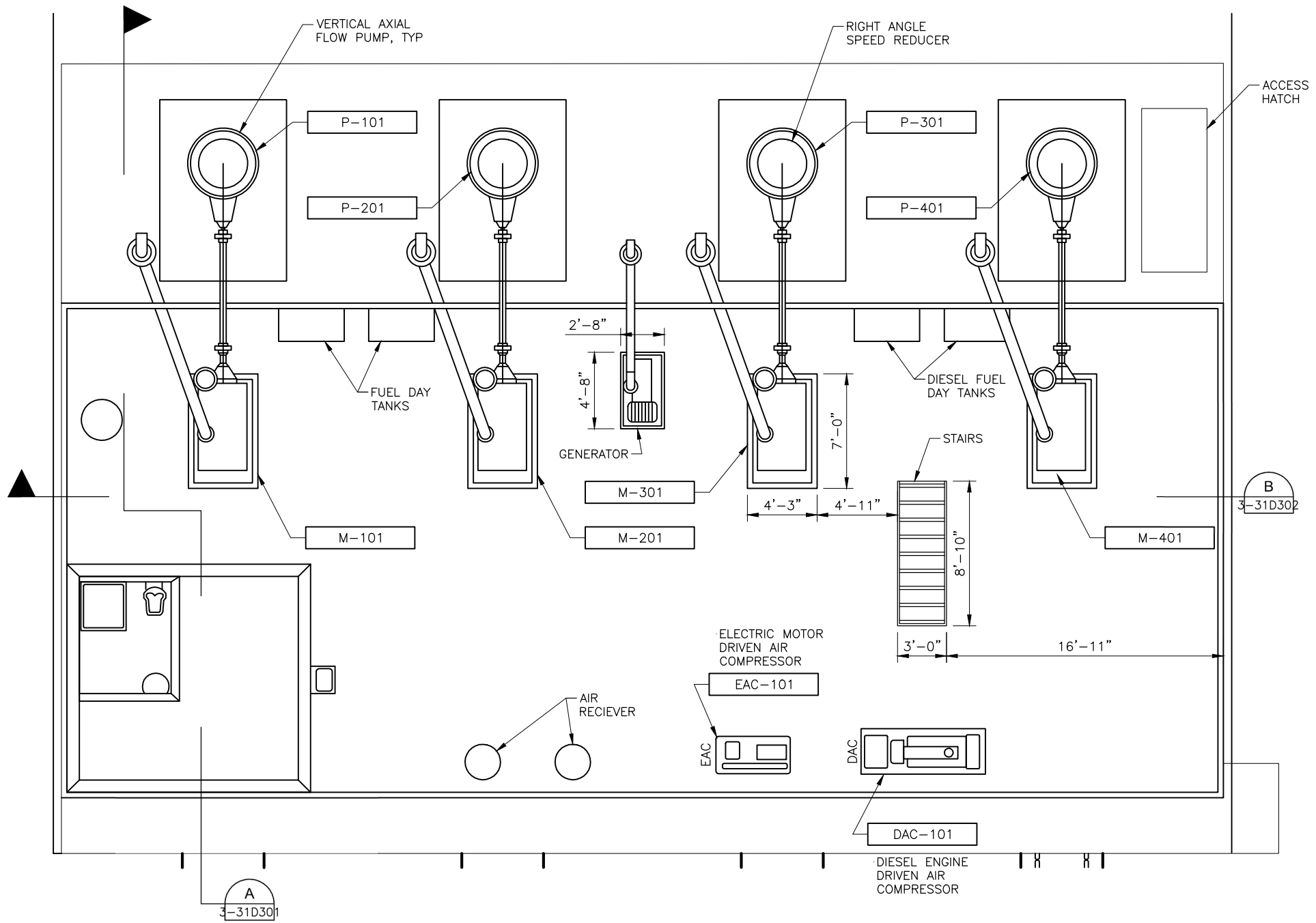
APPROVED BY:

**VOLUME 3
PROCESS
PUMP STATION
PLAN VIEW**

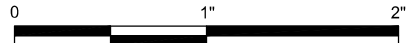
DATE: JULY 2014

DWG 3-31D104

SHT 20



PUMP STATION PLAN VIEW - MECHANICAL
 SCALE: 3/16" = 1'-0"



PRELIMINARY DOCUMENTS

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GARLAND P. PENNISON, LA20931
 ROBERT J. BEDUHN, LA38502



REV.	DATE	DESCRIPTION	BY



**COASTAL PROTECTION & RESTORATION AUTHORITY
 ENGINEERING DIVISION**

450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

DRAWN BY: T. VAUGHAN

DESIGNED BY: -

**MID-BARATARIA SEDIMENT
 DIVERSION PROJECT**

STATE PROJECT NUMBER: BA-153

FEDERAL PROJECT NUMBER: BA-153

APPROVED BY:

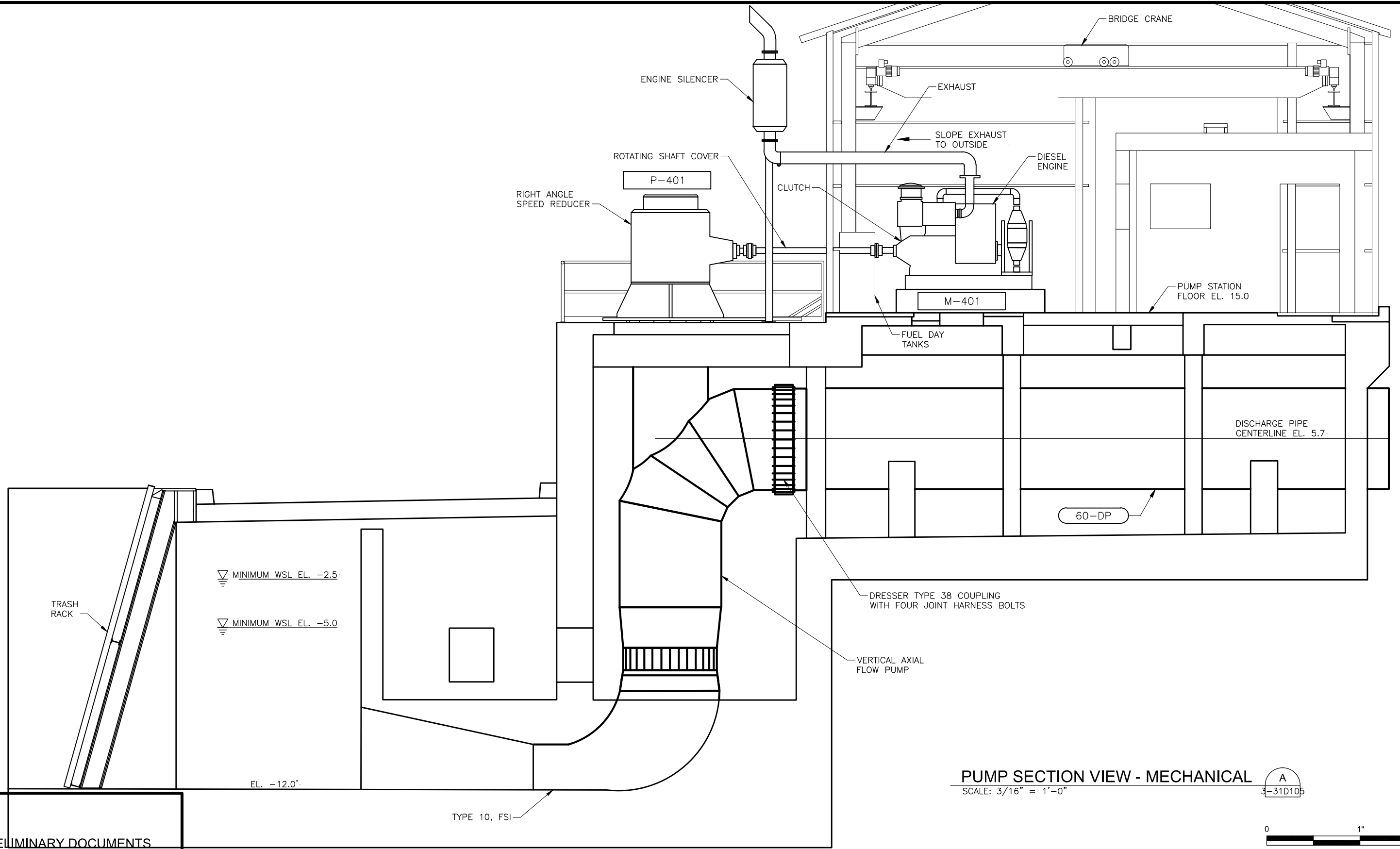
**VOLUME 3
 PROCESS
 PUMP STATION
 ENLARGED PLAN VIEW**

DATE: JULY 2014

DWG 3-31D105 SHT 21

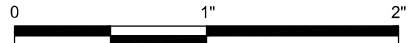
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PUMP SECTION VIEW - MECHANICAL
SCALE: 3/16" = 1'-0"

A
3-31D105



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GARLAND P. PENNISON, LA20931
ROBERT J. BEDUHN, LA38502



REV.	DATE	DESCRIPTION	BY



**COASTAL PROTECTION & RESTORATION AUTHORITY
ENGINEERING DIVISION**

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: T. VAUGHAN

DESIGNED BY: -

**MID-BARATARIA SEDIMENT
DIVERSION PROJECT**

STATE PROJECT NUMBER: BA-153

FEDERAL PROJECT NUMBER: BA-153

APPROVED BY:

**VOLUME 3
PROCESS
PUMP STATION
SECTION**

DATE: JULY 2014

DWG 3-31D301 SHT 22