

JOINT PUBLIC NOTICE

July 15, 2013

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

(225) 342-3099
Project Manager
James W. Little, Jr.
Permit Application Number
MVN-2013-00511-WII

State of Louisiana
Department of Environmental Quality
Office of Environmental Services
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

(225) 219-3225
Project Manager
Jamie Phillippe
WQC Application Number
WQC 130620-01

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, Office of Environmental Services, for a Water Quality Certification (WQC) in accordance with statutory authority contained in LRS 30:2074 A(3) and provisions of Section 401 of the Clean Water Act (P.L.95-17).

CONSTRUCT A NEW CRUDE OIL PIPELINE IN EAST AND WEST BATON ROUGE PARISH

NAME OF APPLICANT: GENESIS CRUDE OIL LP, c/o Project Consulting Services, Inc., Attn: Mr. Terry Dugas, 302 La Rue France, Suite 200, Lafayette, Louisiana 70508.

LOCATION OF WORK: Within a 17 mile long pipeline corridor beginning at a tie-in point at the Genesis Port Hudson Storage Facility, in Port Hudson, proceeding east-southeast, crossing under the Mississippi River and terminating at the Exxon Anchorage Storage Facility, in Port Allen, Louisiana, in East Baton Rouge and West Baton Rouge Parish, Hydrologic Unit Code 08070201, Mississippi River Basin and 08070300, Terrebonne Basin, as shown on the attached drawings.

CHARACTER OF WORK: Clear rights-of-way, conduct trenching operations, six horizontal directional drills, temporarily stockpile and backfill approximately 15,991 cubic yards of native earthen material in wetlands and 79,192 cubic yards of native earthen material in uplands, for a total of 95,183 cubic yards of fill material, approximately 4,500 cubic yards of hauled in fill material for a temporary workspace; all as necessary to install approximately 17 miles of 24-inch crude oil pipeline, along with interconnects within existing facilities at either end of the pipeline. Project implementation would impact approximately 23.13 acres of jurisdictional wetlands. The applicant proposes to compensate for project related unavoidable wetland impacts by purchasing mitigation at a Corps approved mitigation bank within the New Orleans District.

The comment period for the Department of the Army Permit and the Louisiana Department of Environmental Quality WQC will close **20 days** from the date of this joint public notice. Written comments, including suggestions for modifications or objections to the proposed work, stating reasons thereof, are being solicited from anyone having

interest in this permit and/or this WQC request and must be mailed so as to be received before or by the last day of the comment period. Letters concerning the Corps of Engineers permit application must reference the applicant's name and the Permit Application Number, and be mailed to the Corps of Engineers at the address above, **ATTENTION: REGULATORY BRANCH**. Similar letters concerning the Water Quality Certification must reference the applicant's name and the WQC Application number and be mailed to the Louisiana Department of Environmental Quality at the address above. **Individuals or parties may request an extension of time in which to comment on the proposed work by writing to the project manager or clicking on the project manager's name on the public notice grid on the web page. Any request must be specific and substantively supportive of the requested extension, and received by this office prior to the end of the initial comment period. The Section Chief will review the request and the requestor will be promptly notified of the decision to grant or deny the request. If granted, the time extension will be continuous to the initial comment period and, inclusive of the initial comment period, will not exceed a total of 30 calendar days.**

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.

No properties listed on the National Register of Historic Places are near the proposed work. The possibility exists that the proposed work may damage or destroy presently unknown archeological, scientific, prehistorical, historical sites, or data. Copies of this notice are being sent to the State Archeologist and the State Historic Preservation Officer.

Our initial finding is that the proposed work would neither affect any species listed as endangered by the U.S. Departments of Interior or Commerce, nor affect any habitat designated as critical to the survival and recovery of any endangered species.

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 N/A 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.

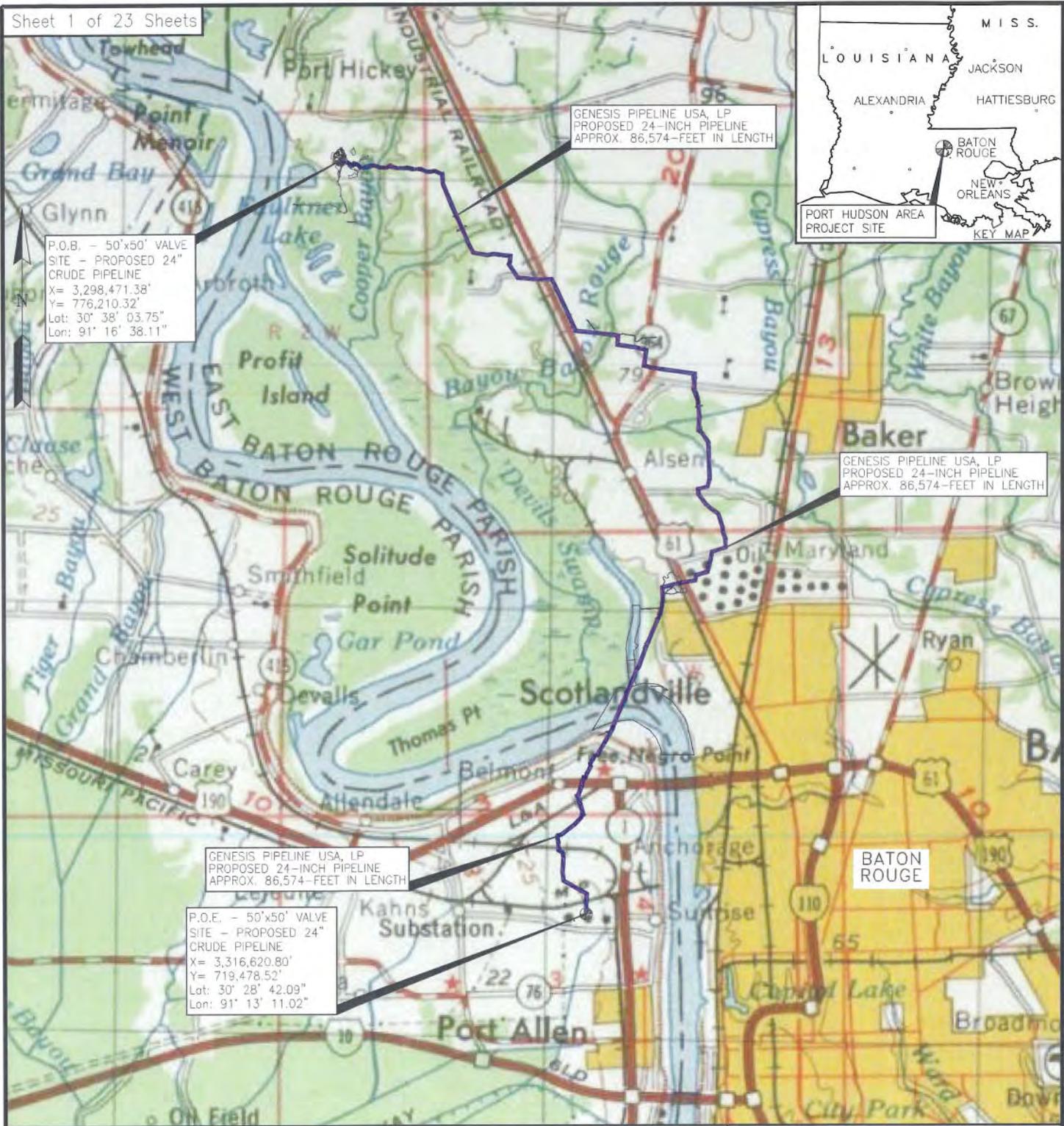
If the proposed work involves deposits of dredged or fill material into navigable waters, the evaluation of the probable impacts will include the application of guidelines established by the Administrator of the Environmental Protection Agency. Also, a certification that the proposed activity will not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

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

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

Darrell S. Barbara
Chief, Western Evaluation Section
Regulatory Branch

Enclosures



P.O.B. - 50'x50' VALVE SITE - PROPOSED 24" CRUDE PIPELINE
 X= 3,298,471.38'
 Y= 776,210.32'
 Lat: 30° 38' 03.75"
 Lon: 91° 16' 38.11"

GENESIS PIPELINE USA, LP
 PROPOSED 24-INCH PIPELINE
 APPROX. 86,574- FEET IN LENGTH

GENESIS PIPELINE USA, LP
 PROPOSED 24-INCH PIPELINE
 APPROX. 86,574- FEET IN LENGTH

GENESIS PIPELINE USA, LP
 PROPOSED 24-INCH PIPELINE
 APPROX. 86,574- FEET IN LENGTH

P.O.E. - 50'x50' VALVE SITE - PROPOSED 24" CRUDE PIPELINE
 X= 3,316,620.80'
 Y= 719,478.52'
 Lat: 30° 28' 42.09"
 Lon: 91° 13' 11.02"

NOTE: THE CONTENTS OF THIS DRAWING IS DESIGNED SPECIFICALLY FOR THE PURPOSE OF SECURING FEDERAL, STATE AND LOCAL ENVIRONMENTAL/REGULATORY AUTHORIZATIONS ONLY.



GEOGRAPHIC COORDINATE SYSTEM: NAD83, LOUISIANA STATE PLANES, SOUTHERN ZONE, U.S. FOOT (LA83-SF-MOD).

APPLICATION BY:



Genesis Pipeline USA, LP

Date: 2-27-13
 Project No.: 12055
 Drawn By: NLM
 Checked By: RGL
 Approved By: RGL

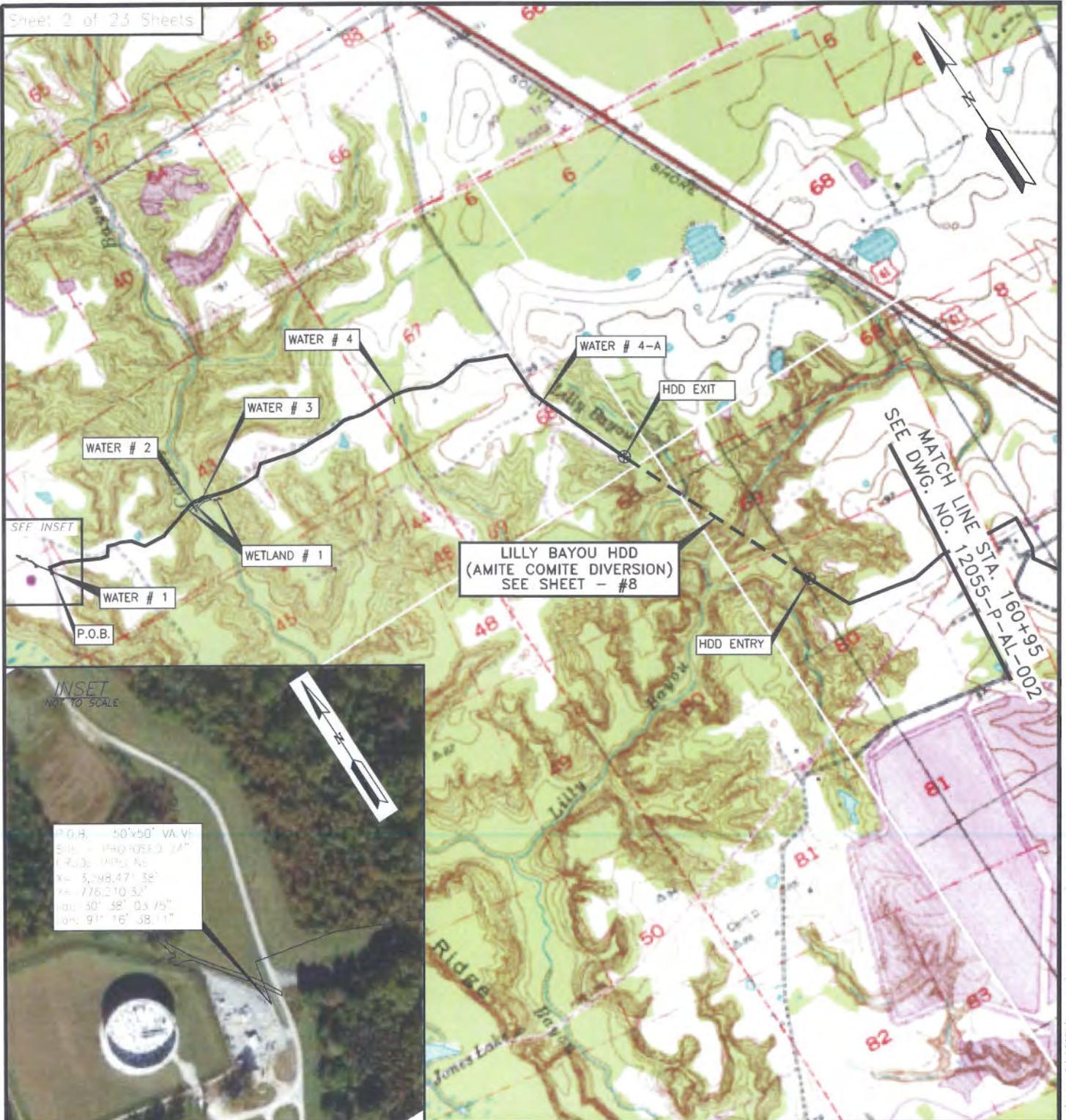
PREPARED BY:



Revised Date:
 Revised Approved By:

Genesis Pipeline USA, LP
 PROPOSED 24-INCH CRUDE PIPELINE
 PORT HUDSON TO PORT ALLEN
 EAST BATON ROUGE PARISH
 WEST BATON ROUGE PARISH
 LOUISIANA

DWG. NO. PERM-12055-01



NOTE: THE CONTENTS OF THIS DRAWING IS DESIGNED SPECIFICALLY FOR THE PURPOSE OF SECURING FEDERAL, STATE AND LOCAL ENVIRONMENTAL/REGULATORY AUTHORIZATIONS ONLY.



COORDINATE SYSTEM: NAD83
 (DURAND DATUM TRANSFORMED)
 U.S. FOOT (A83 E. M03)

APPLICATION BY:

Genesis Pipeline USA, LP

Date: 2-27-13
 Project No.: 12055
 Drawn By: NLM
 Checked By: RGL
 Approved By: RGL

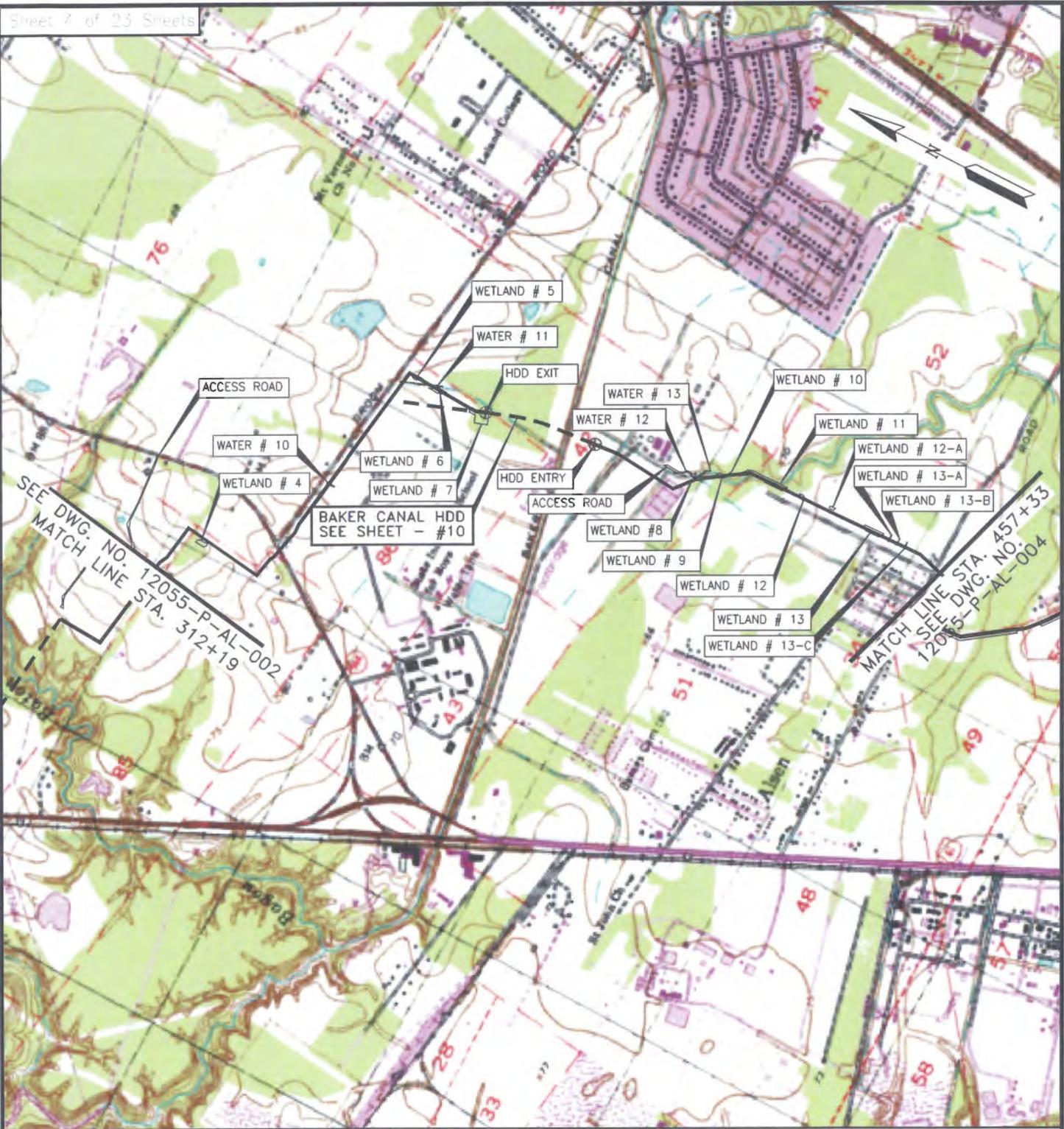
PREPARED BY:

PROJECT CONSULTING SERVICES, INC.
 Metairie, Louisiana
 www.projectconsulting.com

Revised Date:
 Revised Approved By:

Genesis Pipeline USA, LP
 PROPOSED 24-INCH CRUDE PIPELINE
 PORT HUDSON TO PORT ALLEN
 EAST BATON ROUGE PARISH
 WEST BATON ROUGE PARISH
 LOUISIANA

DWG. NO. 12055-P-AL-001



NOTE: THE CONTENTS OF THIS DRAWING IS DESIGNED SPECIFICALLY FOR THE PURPOSE OF SECURING FEDERAL, STATE AND LOCAL ENVIRONMENTAL/REGULATORY AUTHORIZATIONS ONLY.



GRAPHIC COORDINATE SYSTEM MAPS, U.S.A. & ALL STATES, MAY 14, 2015, U.S. EPOCH 1983, S. VOID

APPLICATION BY:

Genesis Pipeline USA, LP
 Date: 2-27-13
 Project No.: 12055
 Drawn By: NLM
 Checked By: RGL
 Approved By: RGL

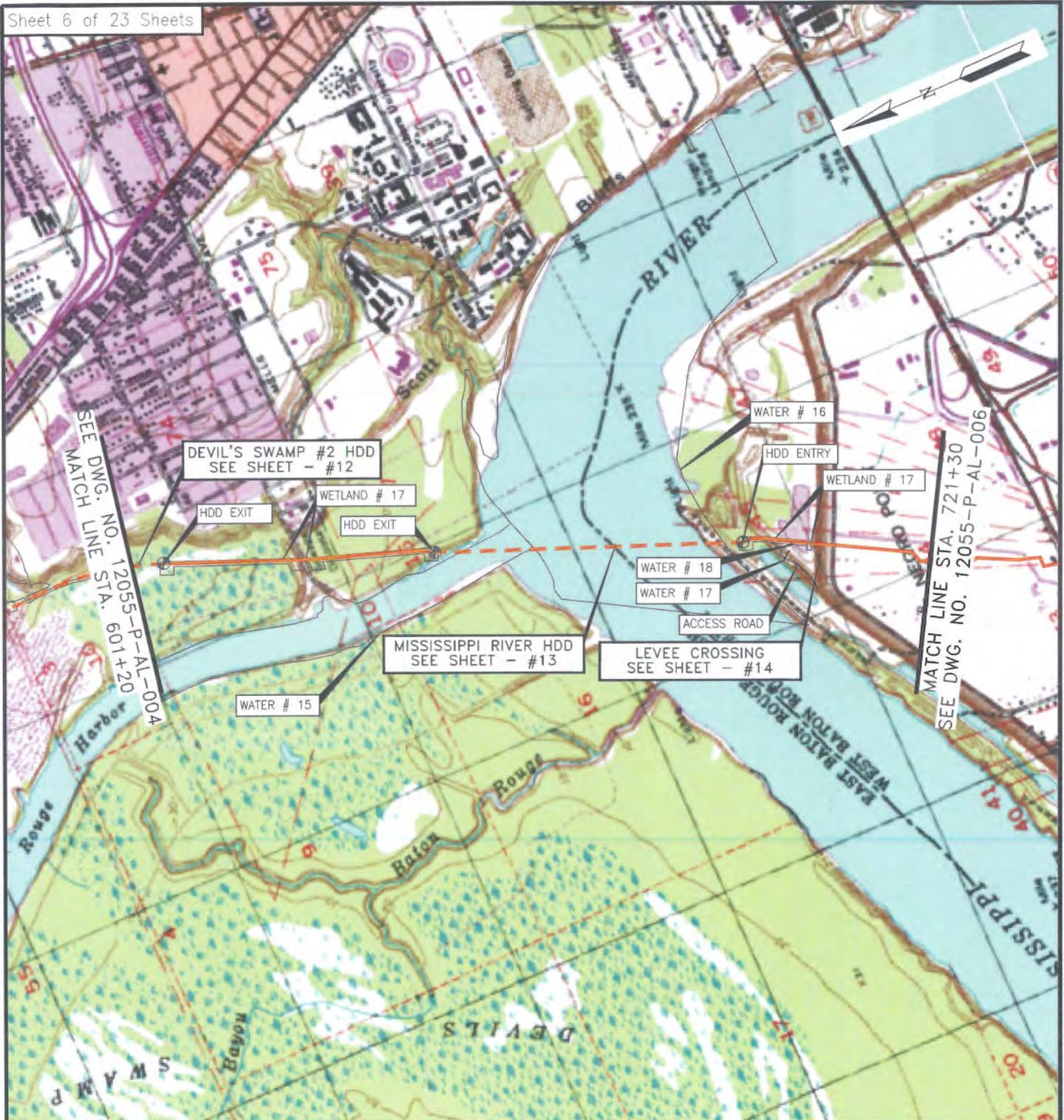
PREPARED BY:

PROJECT CONSULTING SERVICES, INC.
 Metairie, Louisiana
 www.projectconsulting.com

Revised Date:
 Revised Approved By:

Genesis Pipeline USA, LP
 PROPOSED 24-INCH CRUDE PIPELINE
 PORT HUDSON TO PORT ALLEN
 EAST BATON ROUGE PARISH
 WEST BATON ROUGE PARISH
 LOUISIANA

DWG. NO. **12055-P-AL-003**



NOTE: THE CONTENTS OF THIS DRAWING IS DESIGNED SPECIFICALLY FOR THE PURPOSE OF SECURING FEDERAL, STATE AND LOCAL ENVIRONMENTAL/REGULATORY AUTHORIZATIONS ONLY.



GEOGRAPHIC COORDINATE SYSTEM: NAD83, LOUISIANA STATE PLANES, SOUTHERN ZONE, U.S. FOOT (LA83-SF-MOD).

APPLICATION BY:


Genesis Pipeline USA, LP

Date: 2-27-13
 Project No.: 12055
 Drawn By: NLM
 Checked By: RGL
 Approved By: RGL

PREPARED BY:

 **PROJECT CONSULTING SERVICES, INC.**
 Metairie, Louisiana
 www.projectconsulting.com

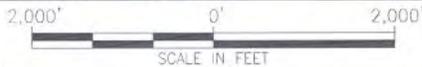
Revised Date:
 Revised Approved By:

Genesis Pipeline USA, LP
 PROPOSED 24-INCH CRUDE PIPELINE
 PORT HUDSON TO PORT ALLEN
 EAST BATON ROUGE PARISH
 WEST BATON ROUGE PARISH
 LOUISIANA

DWG. NO. 12055-P-AL-005



NOTE: THE CONTENTS OF THIS DRAWING IS DESIGNED SPECIFICALLY FOR THE PURPOSE OF SECURING FEDERAL, STATE AND LOCAL ENVIRONMENTAL/REGULATORY AUTHORIZATIONS ONLY.



GEOGRAPHIC COORDINATE SYSTEM: NAD83, LOUISIANA STATE PLANES, SOUTHERN ZONE, U.S. FOOT (LAB3-SF-MOD).

APPLICATION BY:


Genesis Pipeline USA, LP

Date: 2-27-13
 Project No.: 12055
 Drawn By: NLM
 Checked By: RGL
 Approved By: RGL

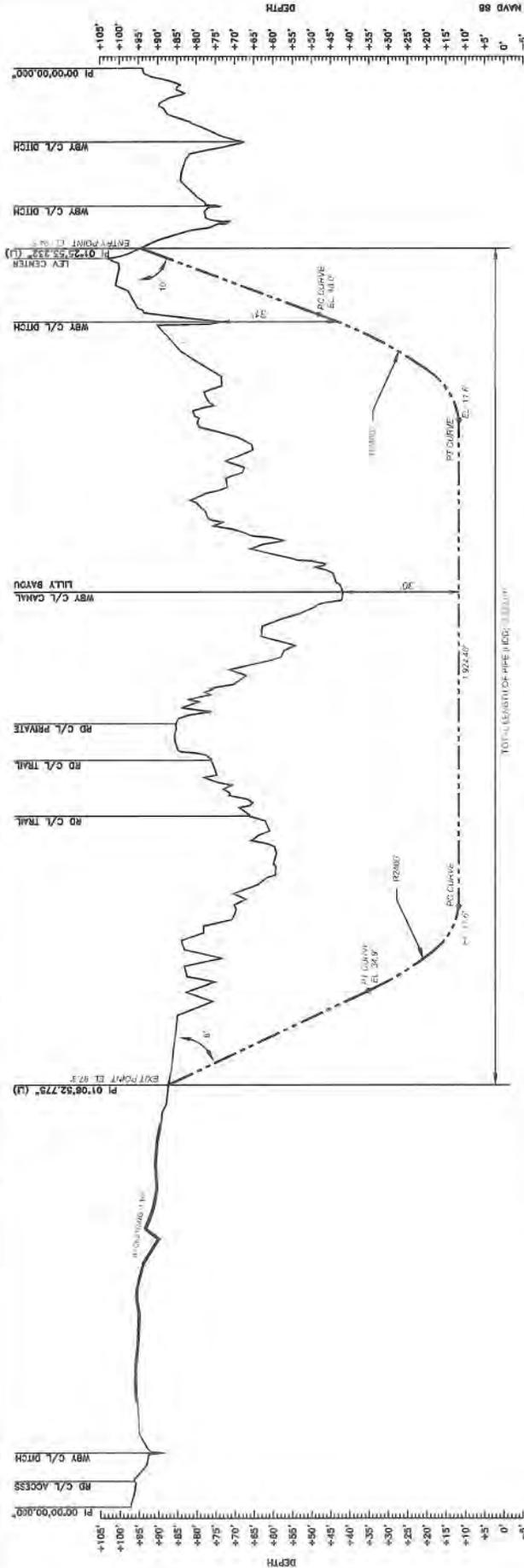
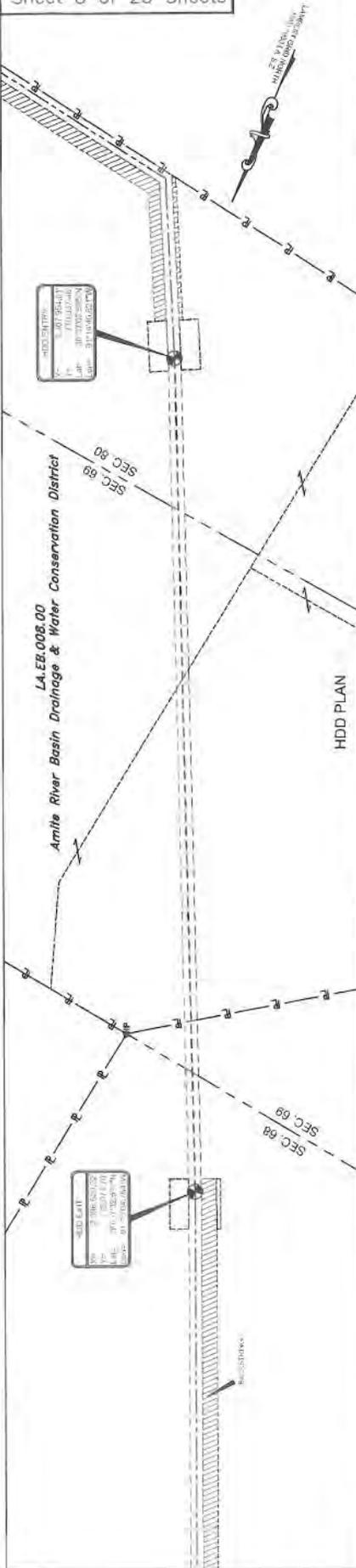
PREPARED BY:

 **PROJECT CONSULTING SERVICES, INC.**
 Metairie, Louisiana
 www.projectconsulting.com

Revised Date:
 Revised Approved By:

Genesis Pipeline USA, LP
 PROPOSED 24-INCH CRUDE PIPELINE
 PORT HUDSON TO PORT ALLEN
 EAST BATON ROUGE PARISH
 WEST BATON ROUGE PARISH
 LOUISIANA

DWG. NO. 12055-P-AL-006



HDD PROFILE

NOTE: THE CONTENTS OF THIS DRAWING IS DESIGNED SPECIFICALLY FOR THE PURPOSE OF SECURING FEDERAL, STATE AND LOCAL ENVIRONMENTAL/REGULATORY AUTHORIZATIONS ONLY.

APPLICATION BY:

Genesis Pipeline USA, LP

Date: 5-27-13
 Project No.: 12055
 Drawn By: NLM

Checked By: RGL
 Approved By: RGL

PREPARED BY:



PROJECT CONSULTING SERVICES, INC.
 Metairie, Louisiana
 www.projectconsulting.com

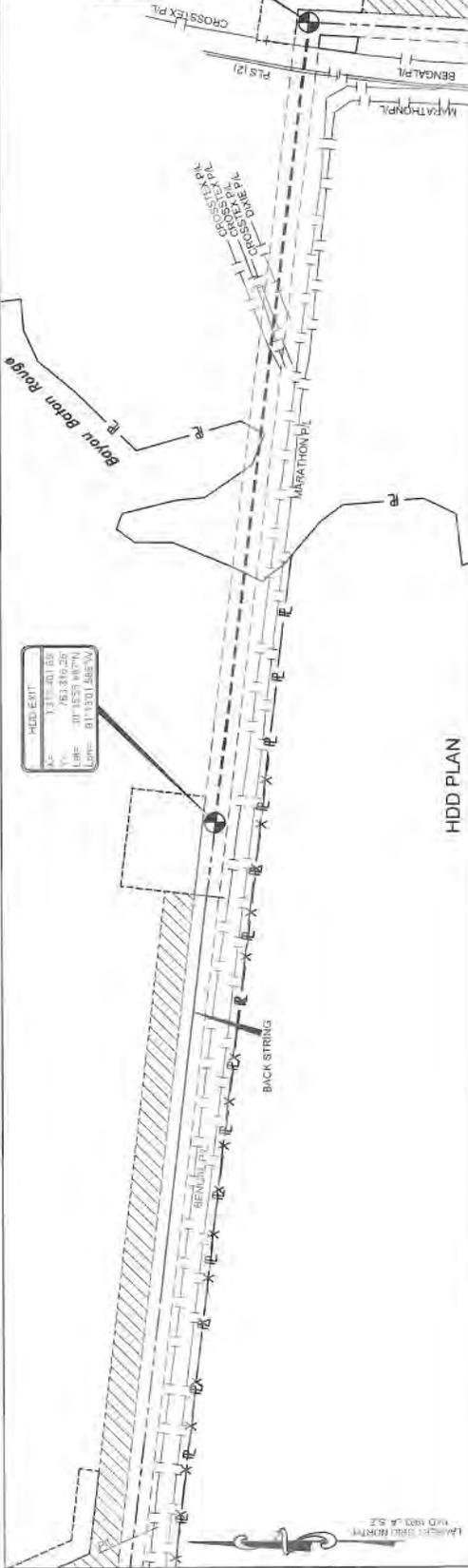
Revised Date:
 Revised Approved By:

GEOGRAPHIC COORDINATE SYSTEM: NAD83
 LOUISIANA STATE PLANES, SOUTHERN ZONE,
 U.S. FOOT (LA83-SF-MOD).

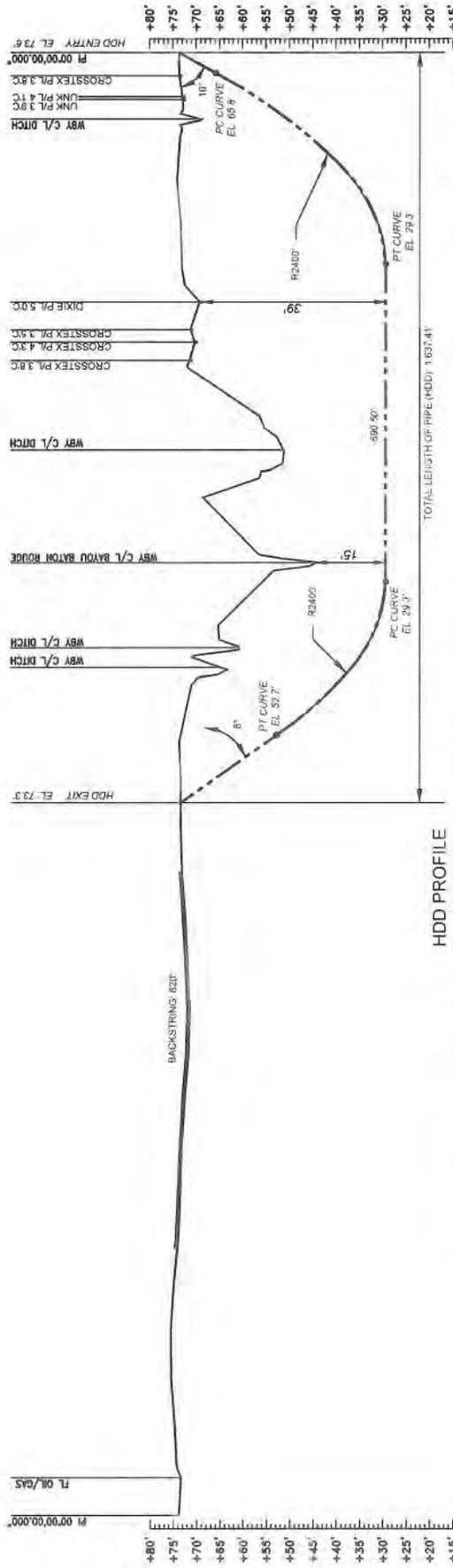
Genesis Pipeline USA, LP
PROPOSED 24-INCH CRUDE PIPELINE
HDD PLAN & PROFILE
LILLY BAYOU (AMITE RIVER DIVERSION)
EAST & WEST BATON ROUGE PARISHES

DWG. NO. **12055-HDD-001**

T5S-R1W
SEC. 84



HDD PLAN



HDD PROFILE

NOTE: THE CONTENTS OF THIS DRAWING IS DESIGNED SPECIFICALLY FOR THE PURPOSE OF SECURING FEDERAL, STATE AND LOCAL ENVIRONMENTAL/REGULATORY AUTHORIZATIONS ONLY.

APPLICATION BY:

Genesis Pipeline USA, LP

Date: 5-27-13
Project No.: 12055
Drawn By: NLM

PREPARED BY:



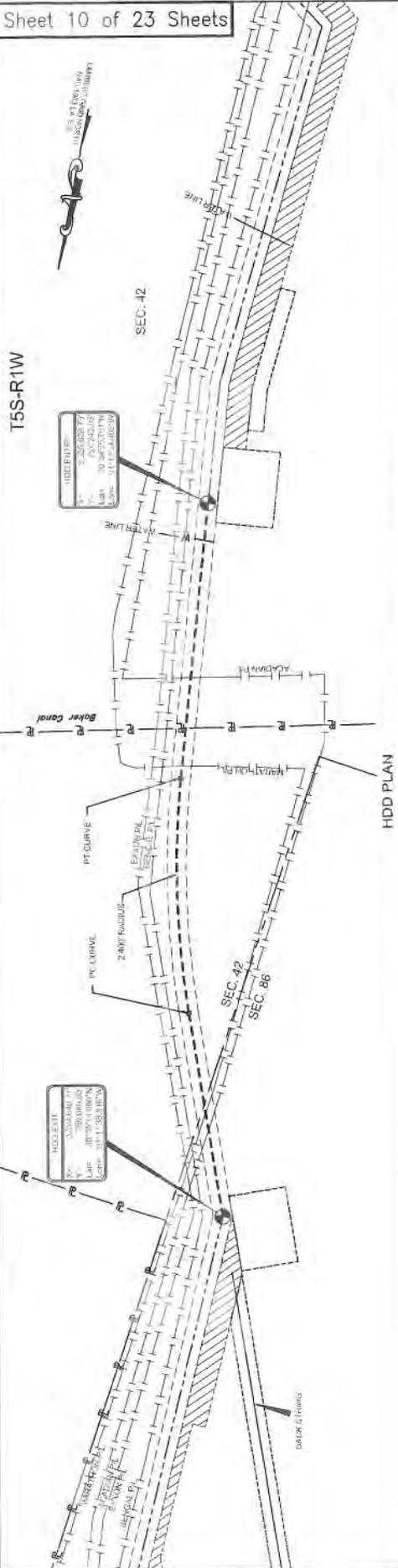
PROJECT CONSULTING SERVICES, INC.
Metairie, Louisiana
www.projectconsulting.com

Revised Date:
Revised Approved By:

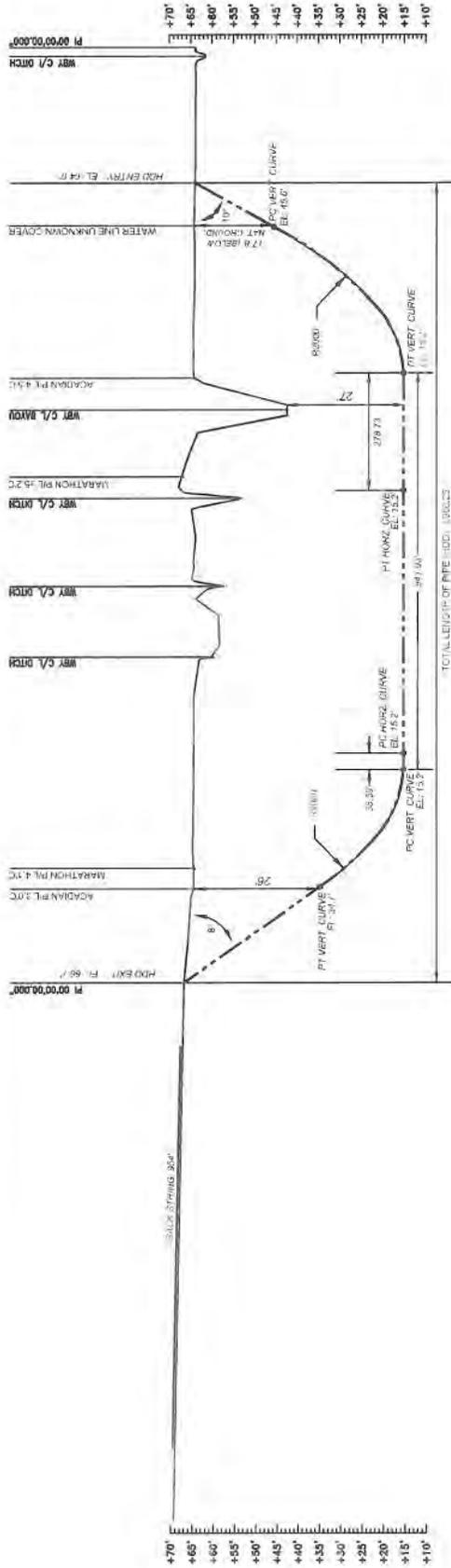
GEOGRAPHIC COORDINATE SYSTEM: NAD83, LOUISIANA STATE PLANES, SOUTHERN ZONE, U.S. FOOT (LAB3-SF-MOD).

Genesis Pipeline USA, LP
PROPOSED 24-INCH CRUDE PIPELINE
HDD PLAN & PROFILE
BAYOU BATON ROUGE HDD
EAST BATON ROUGE PARISH, LOUISIANA

DWG. NO. **12055-HDD-002**



HDD PLAN



HDD PROFILE

NOTE: THE CONTENTS OF THIS DRAWING IS DESIGNED SPECIFICALLY FOR THE PURPOSE OF SECURING FEDERAL, STATE AND LOCAL ENVIRONMENTAL/REGULATORY AUTHORIZATIONS ONLY.

APPLICATION BY:



Date: 5-27-13
 Project No.: 12055
 Drawn By: NLM
 Checked By: RGL
 Approved By: RGL

PREPARED BY:



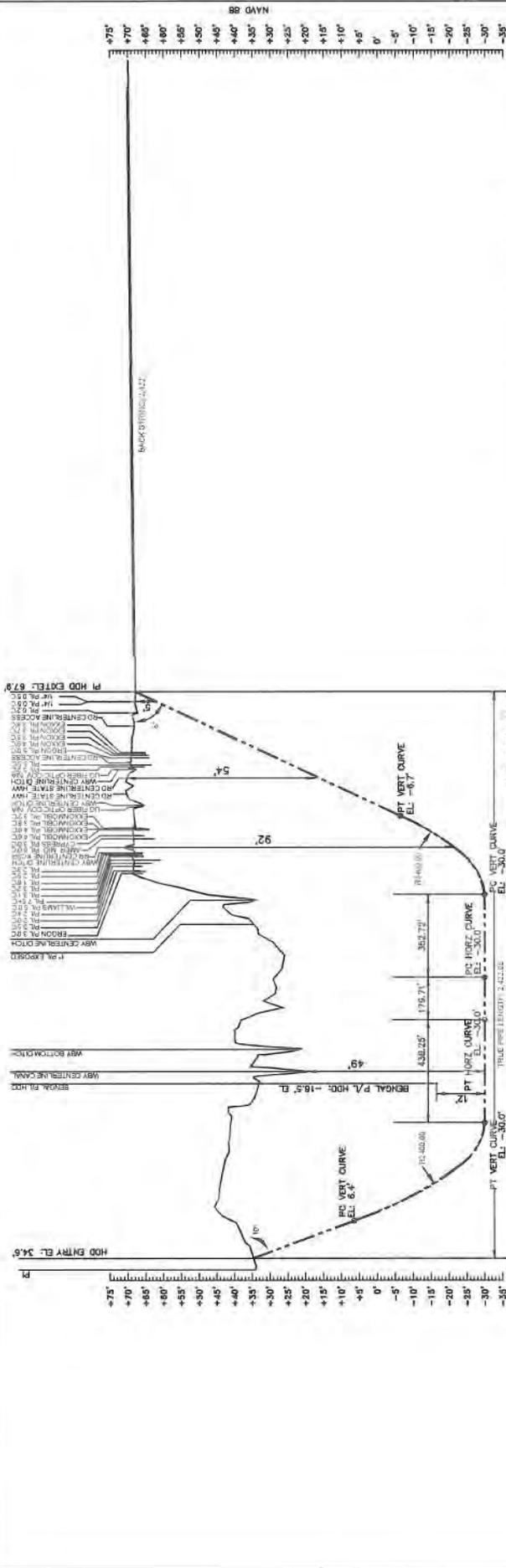
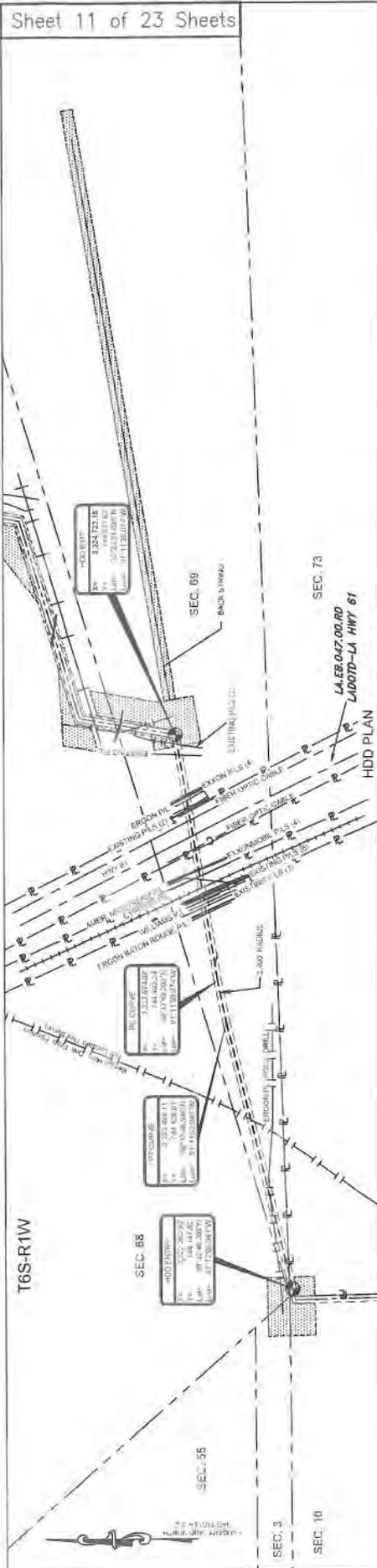
PROJECT CONSULTING SERVICES, INC.
 Metairie, Louisiana
 www.projectconsulting.com

GEOGRAPHIC COORDINATE SYSTEM: NAD83, LOUISIANA STATE PLANES, SOUTHERN ZONE, U.S. FOOT (LAB3-SF-MOD).

Genesis Pipeline USA, LP
 PROPOSED 24-INCH CRUDE PIPELINE
 HDD PLAN & PROFILE
 BAKER CANAL HDD
 EAST BATON ROUGE PARISH, LOUISIANA

Revised Date:
 Revised Approved By:

DWG. NO. 12055-HDD-003



GEOGRAPHIC COORDINATE SYSTEM: NAD83
 LOUISIANA STATE PLANES, SOUTHERN ZONE,
 U.S. FOOT (LAB3-SF-MOD).

Genesis Pipeline USA, LP
 PROPOSED 24-INCH CRUDE PIPELINE
 HDD PLAN & PROFILE
 DEVIL'S SWAMP #1 HDD
 EAST BATON ROUGE PARISH, LOUISIANA

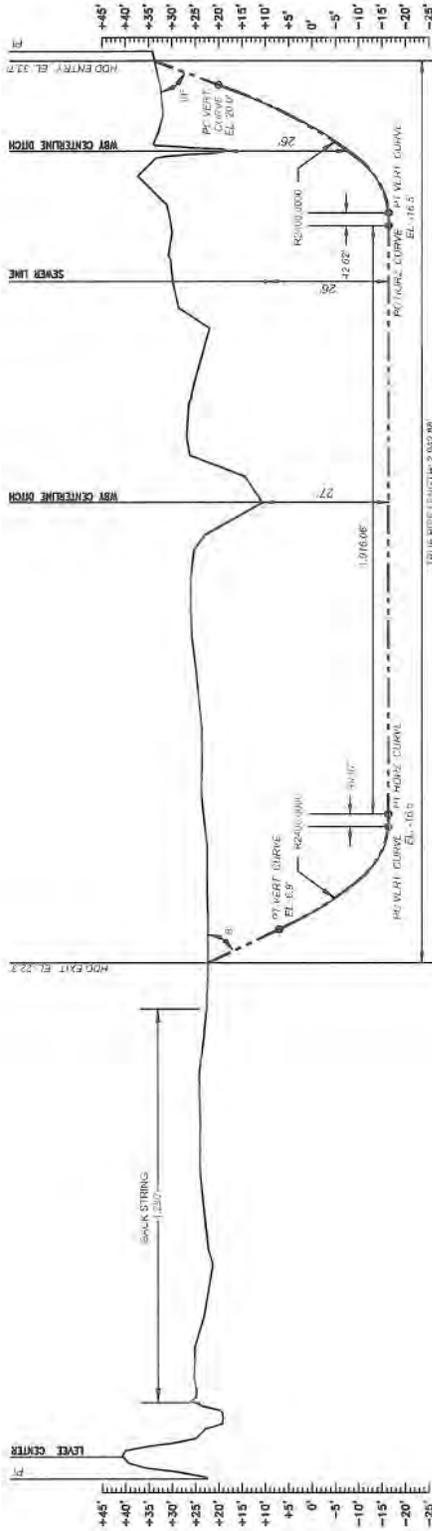
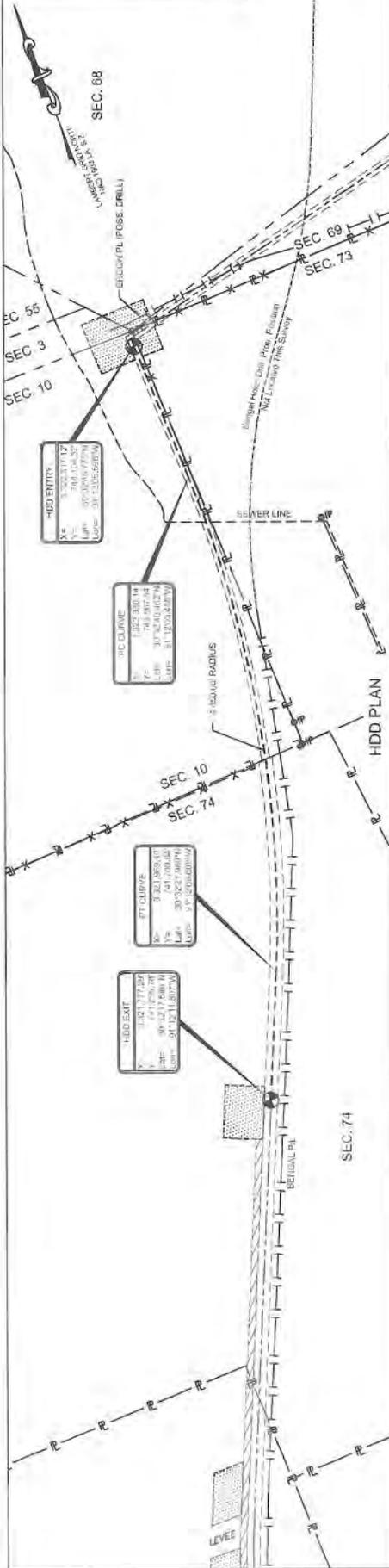
NOTE: THE CONTENTS OF THIS DRAWING IS DESIGNED SPECIFICALLY FOR THE PURPOSE OF SECURING FEDERAL, STATE AND LOCAL ENVIRONMENTAL/REGULATORY AUTHORIZATIONS ONLY.

APPLICATION BY:
Genesis Pipeline USA, LP
 Date: 5-27-13
 Project No.: 12055
 Drawn By: NLM
 Checked By: RGL
 Approved By: RGL

PREPARED BY:
PROJECT CONSULTING SERVICES, INC.
 Metairie, Louisiana
 www.projectconsulting.com

Revised Date:
 Revised Approved By:

DWG. NO. 12055-HDD-004



HDD PROFILE

NOTE: THE CONTENTS OF THIS DRAWING IS DESIGNED SPECIFICALLY FOR THE PURPOSE OF SECURING FEDERAL, STATE AND LOCAL ENVIRONMENTAL/REGULATORY AUTHORIZATIONS ONLY.

APPLICATION BY:



Date: 5-27-13
 Project No.: 12055
 Drawn By: NLM
 Prepared By:



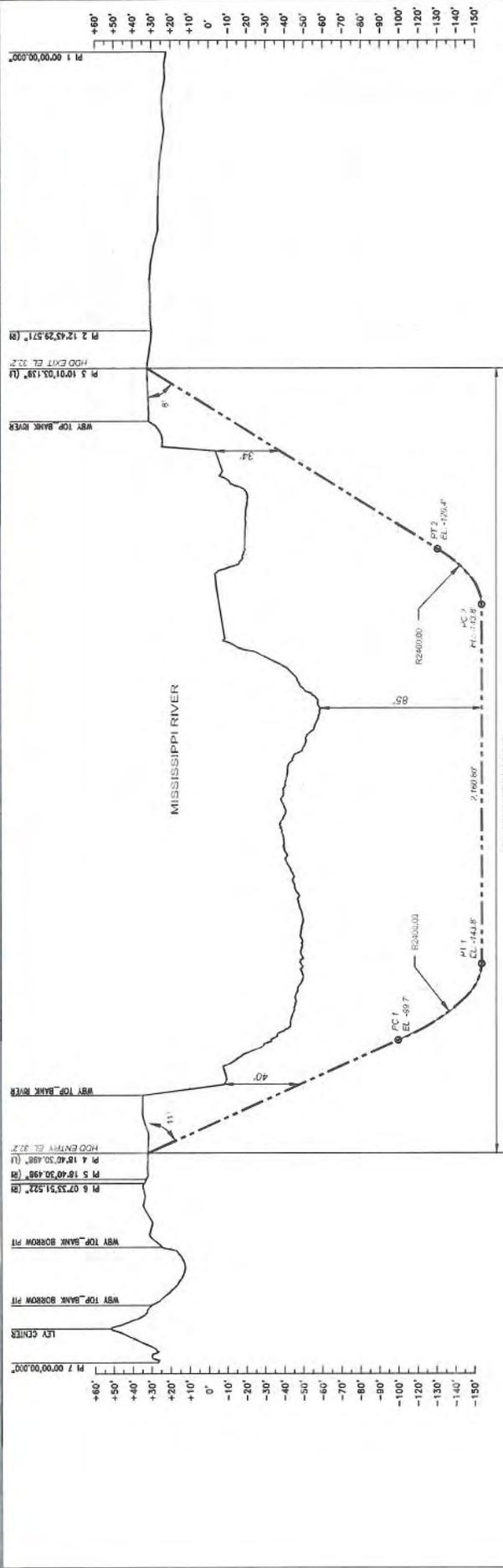
PROJECT CONSULTING SERVICES, INC.
 Metairie, Louisiana
 www.projectconsulting.com

Revised Date:
 Revised Approved By:

GEOGRAPHIC COORDINATE SYSTEM: NAD83
 LOUISIANA STATE PLANES, SOUTHERN ZONE,
 U.S. FOOT (LAB3-SF-MOD).

Genesis Pipeline USA, LP
 PROPOSED 24-INCH CRUDE PIPELINE
 HDD PLAN & PROFILE
 DEVIL'S SWAMP #2 HDD
 EAST BATON ROUGE PARISH, LOUISIANA

DWG. NO. 12055-HDD-005



NOTE: THE CONTENTS OF THIS DRAWING IS DESIGNED SPECIFICALLY FOR THE PURPOSE OF SECURING FEDERAL, STATE AND LOCAL ENVIRONMENTAL/REGULATORY AUTHORIZATIONS ONLY.

APPLICATION BY: Genesis Pipeline USA, LP

DATE: 5-27-13
 PROJECT NO.: 12055
 CHECKED BY: RGL
 DRAWN BY: NLM
 APPROVED BY: RGL

PREPARED BY: PROJECT CONSULTING SERVICES, INC.
 Metairie, Louisiana
www.projectconsulting.com

REVISOR: [Signature]
 DATE: [Signature]
 APPROVED BY: [Signature]

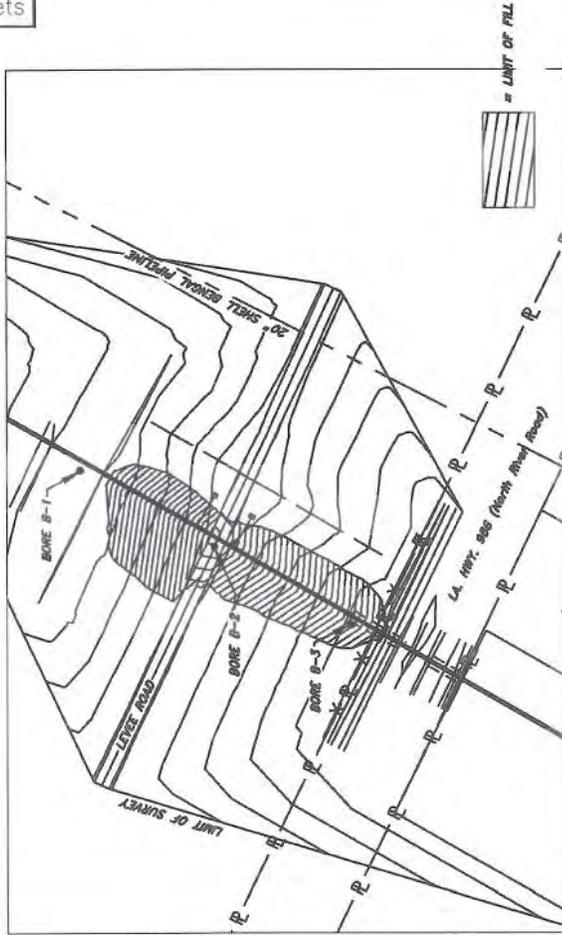
REVISIONS:

GENESIS PIPELINE USA, LP
 PROPOSED 24-INCH CRUDE PIPELINE
 HDD PLAN & PROFILE
 MISSISSIPPI RIVER HDD
 EAST & WEST BATON ROUGE PARISH, LOUISIANA

GENESIS PIPELINE USA, LP
 PROPOSED 24-INCH CRUDE PIPELINE
 HDD PLAN & PROFILE
 MISSISSIPPI RIVER HDD
 EAST & WEST BATON ROUGE PARISH, LOUISIANA

DWG. NO. 12055-HDD-006

USCOE LEVEE STA. APPROX. 3525+97
WEST MISSISSIPPI RIVER PROTECTION LEVEE



NOTE: THE CONTENTS OF THIS DRAWING IS DESIGNED SPECIFICALLY FOR THE PURPOSE OF SECURING FEDERAL, STATE AND LOCAL ENVIRONMENTAL/REGULATORY AUTHORIZATIONS ONLY.

APPLICATION BY:

Genesis Pipeline USA, LP

Date: 6-4-13

Checked By: RGL

Approved By: RGL

PREPARED BY:



PROJECT CONSULTING SERVICES, INC.
Metairie, Louisiana
www.projectconsulting.com

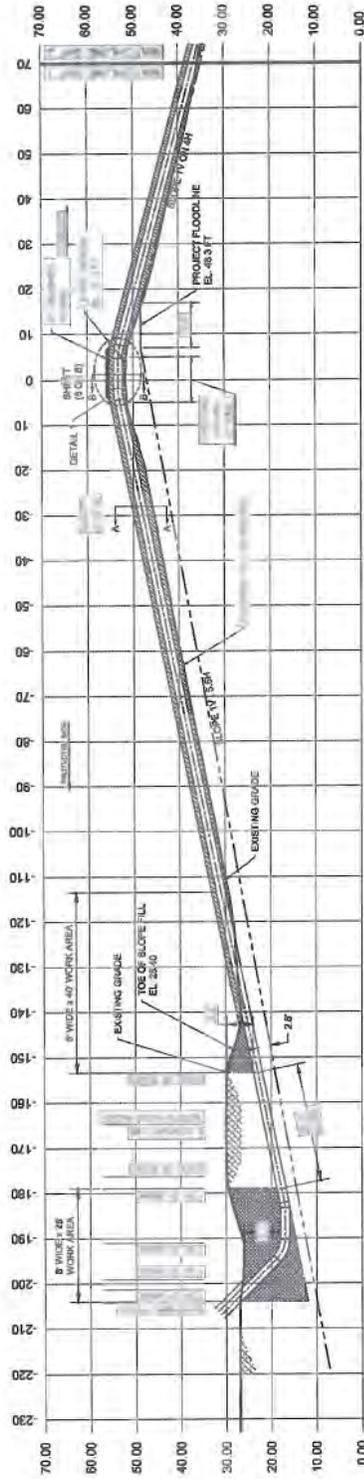
Revised Date:
Revised Approved By:

GEOGRAPHIC COORDINATE SYSTEM: NAD83,
LOUISIANA STATE PLANES, SOUTHERN ZONE,
U.S. FOOT (LAB3-SF-MOD).

Genesis Pipeline USA, LP
PROPOSED 24-INCH CRUDE PIPELINE
LEVEE CROSSING - PLAN
MISSISSIPPI RIVER
WEST BATON ROUGE PARISH, LOUISIANA

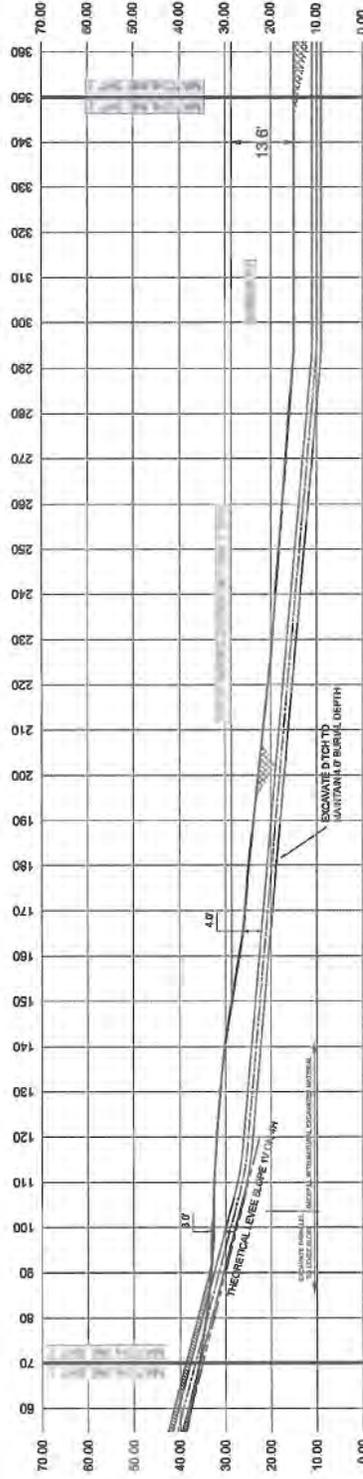
DWG. NO. 12055-LEVEE-001

USCOF LEVEE STA. APPROX. 3525+97
WEST MISSISSIPPI RIVER PROTECTION LEVEE



1. PROJECT FLOOD LINE ELEVATION: 48.3 FT PER MEETING WITH USACOE-NOLA ON 4/28/13.
2. EXCAVATION CANNOT PENETRATE 1V: 5.5H SLOPE LINE BASED ON FLOOD LINE PROJECTION.
3. LEVEE DESIGN ELEVATION: 51.3 FT

PROPOSED PROFILE - LEVEE CROWN



1. USE LONG REACH MARSH HOE TO EXCAVATE DITCH ACROSS BORROW PIT.
2. WELD - UP 24\"/>

PROPOSED PROFILE - LEVEE CROWN

NOTE: THE CONTENTS OF THIS DRAWING IS DESIGNED SPECIFICALLY FOR THE PURPOSE OF SECURING FEDERAL, STATE AND LOCAL ENVIRONMENTAL/REGULATORY AUTHORIZATIONS ONLY.

APPLICATION BY:



Date: 6-4-13
Project No.: 12055
Drawn By: NLM
Approved By: RGL

PREPARED BY:



PROJECT CONSULTING SERVICES, INC.
Metairie, Louisiana
www.projectconsulting.com

Revised Date:
Revised Approved By:

GEOGRAPHIC COORDINATE SYSTEM: NAD83,
LOUISIANA STATE PLANES, SOUTHERN ZONE,
U.S. FOOT (LAB3-SF-MOD).



Genesis Pipeline USA, LP
PROPOSED 24-INCH CRUDE PIPELINE
LEVEE CROSSING - PROFILE
MISSISSIPPI RIVER
WEST BATON ROUGE PARISH, LOUISIANA

DWG. NO. 12055-LEVEE-002

USCOE LEVEE STA. APPROX. 3525+97
WEST MISSISSIPPI RIVER PROTECTION LEVEE

EMBANKMENT REQUIREMENTS

A. FULLY COMPACTED FILL (Levee access roads levee crown crossing and footings). Compaction to within 95% of maximum dry density as determined by ASTM 696. The material for fully compacted fill shall be placed or spread in layers. The first layer not more than 4 inches in thickness and the succeeding layers not more than 8 inches in thickness prior to compaction. Each layer shall be compacted by 10 complete passes of a crawler type tractor weighing not less than 20,000 pounds and exerting a unit tread pressure of not less than 6 pounds per square inch. The tractor shall be operated at speeds not to exceed 3.5 miles per hour. If an alternate type compacting machine is used type should be stated on applicant's drawing for review and approval.

B. COMPACTED FILL (Levee embankment, including pipeline cover). Compaction to within 90% of maximum dry density as determined by ASTM 696. The material for compacted fill shall be placed or spread in layers, the first layer not more than 6 inches in thickness and the succeeding layers not more than 12 inches in thickness prior to compaction. Each layer shall be compacted by 3 complete passes of a crawler type tractor weighing no less than 20,000 pounds and exerting a unit tread pressure of not less than 6 pounds per square inch. The tractor shall be operated at speeds not to exceed 3.5 miles per hour. If an alternate type compacting machine is used type should be stated on applicant's drawing for review and approval.

C. Text data shall be provided for all levee and berm fill indicating that the new fill has an organic content of less than 9% as determined by ASTM D2974 Method C, and the PI of the new fill is greater than 10 by Atterberg Limits (ASTM D4318) and that the material is classified as either a CH or CL by ASTM D2487.

NOTES:

1. Fill material used in construction of levee enlargement, ramps, pipe cover and backfill excavation shall be impervious earth fill, in accordance with note C.
2. Existing vegetation to be removed or stripped. After the vegetation is removed, the area must be disked or plowed to a depth of 6" prior to the installation of new material.
3. All fresh fill shall be sodded or fertilized and seeded and shall be maintained until a healthy growth is obtained.
4. The proposed levee design was determined based on a 1.3 factor of safety for the levee at SWL, see "Geotechnical Engineering Report" dated March 24, 2013 by Terracon for details.
5. Pipeline markers shall be placed and maintained at each toe of levee in line with pipe crossing and indicating owner size and number of lines product and address for contacting owner.
6. The crown ramp over the pipeline crossing shall be surfaced with crushed stone 6 inches in thickness for a full width (10' min) and length of ramp.
7. Smooth transition shall be continued between the levee and berm enlargement and the existing levee.
8. Manual Compaction: Hand Tamp will be used for uniform soil Compactions (90% Compaction) directly below, above and adjacent to the existing 20" operating pipelines.
9. Pipeline Encroachment: No heavy equipment (Tracked or Wheeled) will operate over or within 2' of pipeline during construction activities.
10. In order to ensure the safety of all parties, the permitted shall contact the Louisiana One Call System (1-800-273-3020) a minimum of 48 hours prior to the commencement of any excavation (digging, dredging, jetting etc) or demolition activity.
11. Structure will also be marked & lighted in accordance with US Coast Guard regulations.
12. Approximately 1,370 cubic yards of fill material will be required.
13. These plans were prepared exclusively for obtaining regulatory permits. These plans are not engineering drawings or specifications and should not be used as such.
14. This is not a property boundary survey as defined by the Louisiana professional Engineering and Land Surveying Board.

NOTE: THE CONTENTS OF THIS DRAWING IS DESIGNED SPECIFICALLY FOR THE PURPOSE OF SECURING FEDERAL, STATE AND LOCAL ENVIRONMENTAL/REGULATORY AUTHORIZATIONS ONLY.

APPLICATION BY:

 **Genesis Pipeline USA, LP**

Date: 6-4-13
Project No.: 12055
Drawn By: NLM
Checked By: RGL
Approved By: RGL

PREPARED BY:



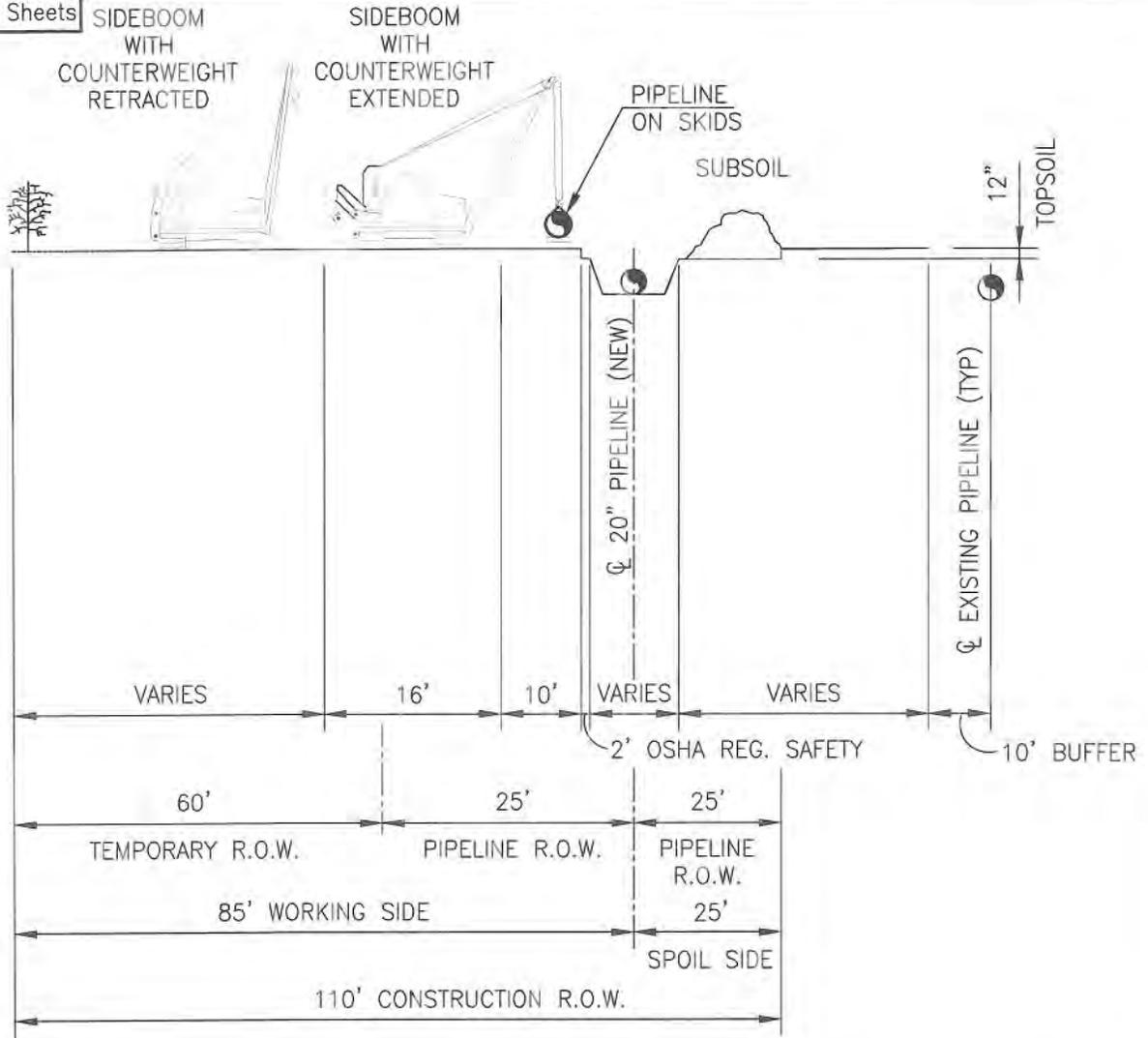
PROJECT CONSULTING SERVICES, INC.
Metairie, Louisiana
www.projectconsulting.com

Revised Date:
Revised Approved By:

GEOGRAPHIC COORDINATE SYSTEM: NAD83,
LOUISIANA STATE PLANES, SOUTHERN ZONE,
U.S. FOOT (LA83-SF-MOD).

Genesis Pipeline USA, LP
PROPOSED 24-INCH CRUDE PIPELINE
LEVEE CROSSING - NOTES
MISSISSIPPI RIVER
WEST BATON ROUGE PARISH, LOUISIANA

DWG. NO. **12055-LEVEE-003**



NOTES:

- ALTHOUGH THE DIMENSIONS SHOWN ARE TYPICAL, SOME VARIATIONS MAY EXIST DUE TO SITE SPECIFIC CONDITIONS. UNLESS OTHERWISE INDICATED ON THE ALIGNMENT SHEETS, THE MAXIMUM WIDTH OF THE CONSTRUCTION RIGHT-OF-WAY SHALL BE AS SHOWN IN THE TABLE.
- TOPSOIL AND SUBSOIL SHALL BE SEGREGATED WITHIN ALL RESIDENTIAL AREAS AND IN AGRICULTURAL, PASTURES, INDUSTRIAL AND OTHER AREAS AT LANDOWNER'S OR LAND MANAGING AGENCY'S REQUEST.

WORKING SIDE (FT.)	SPOIL SIDE (FT.)	TOTAL CONSTRUCTION R.O.W. (FT)
85	25	110

NON-WETLAND CONSTRUCTION

NOTE: THE CONTENTS OF THIS DRAWING IS DESIGNED SPECIFICALLY FOR THE PURPOSE OF SECURING FEDERAL, STATE AND LOCAL ENVIRONMENTAL/REGULATORY AUTHORIZATIONS ONLY.

APPLICATION BY:


Genesis Pipeline USA, LP

Date: 2-26-13
 Project No.: 12055
 Drawn By: NLM
 Checked By: RGL
 Approved By: RGL

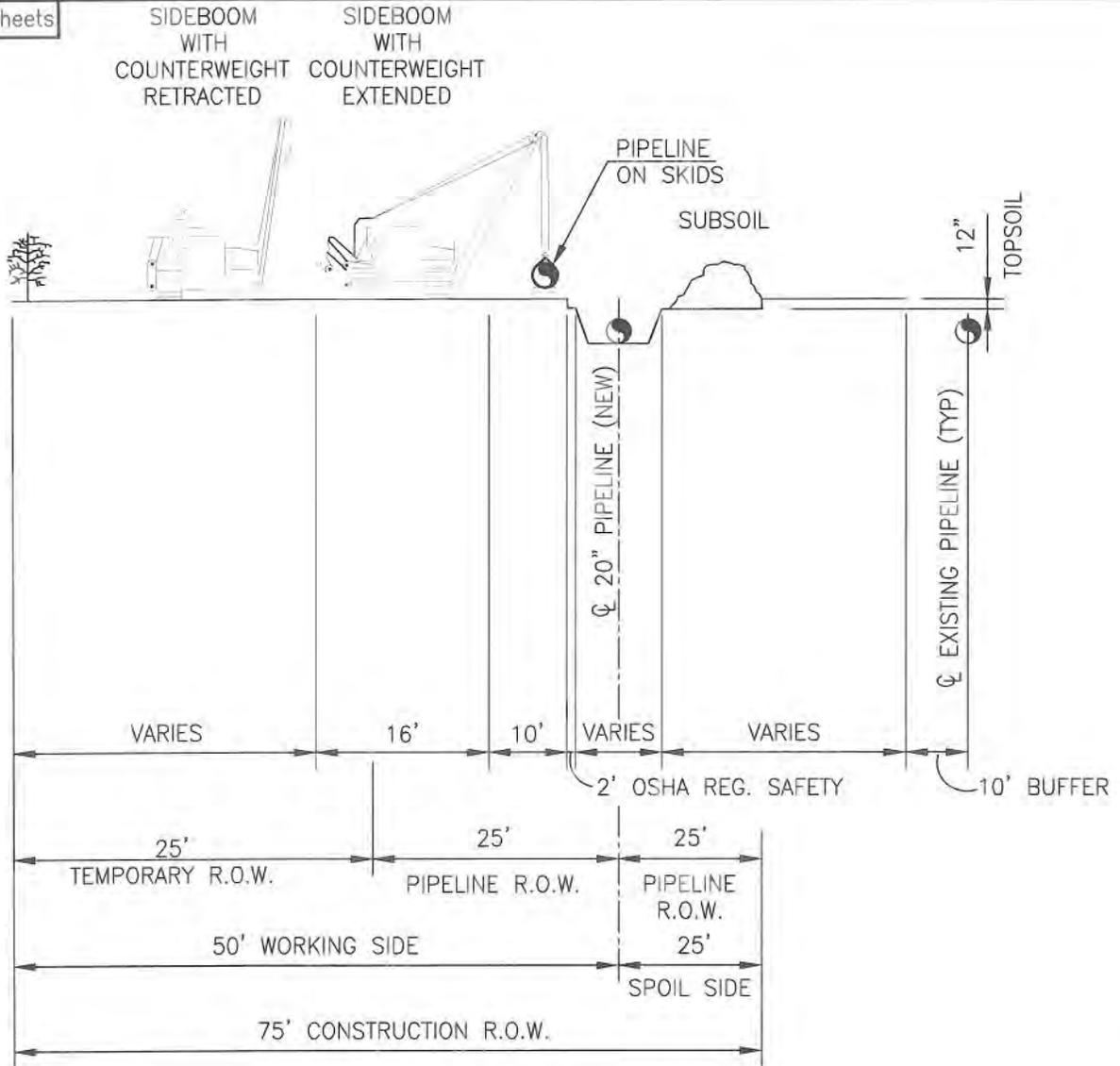
PREPARED BY:

 **PROJECT CONSULTING SERVICES, INC.**
 Metairie, Louisiana
 www.projectconsulting.com

Revised Date:
 Revised Approved By:

Genesis Pipeline USA, LP
 PROPOSED 24-INCH CRUDE PIPELINE
 PORT HUDSON TO PORT ALLEN
 EAST BATON ROUGE PARISH
 WEST BATON ROUGE PARISH

DWG. NO. TYP-12055-01



NOTES:

1. ALTHOUGH THE DIMENSIONS SHOWN ARE TYPICAL, SOME VARIATIONS MAY EXIST DUE TO SITE SPECIFIC CONDITIONS. UNLESS OTHERWISE INDICATED ON THE ALIGNMENT SHEETS, THE MAXIMUM WIDTH OF THE CONSTRUCTION RIGHT-OF-WAY SHALL BE AS SHOWN IN THE TABLE.
2. SEGREGATE THE TOP 12 INCHES (MAXIMUM) OF TOPSOIL WITHIN THE DITCHLINE, EXCEPT WHERE STANDING WATER IS PRESENT OR SOILS ARE SATURATED.

WORKING SIDE (FT.)	SPOIL SIDE (FT.)	TOTAL CONSTRUCTION R.O.W. (FT)
50	25	75

WETLAND CONSTRUCTION

NOTE: THE CONTENTS OF THIS DRAWING IS DESIGNED SPECIFICALLY FOR THE PURPOSE OF SECURING FEDERAL, STATE AND LOCAL ENVIRONMENTAL/REGULATORY AUTHORIZATIONS ONLY.

APPLICATION BY:



Genesis Pipeline USA, LP

Date: 2-26-13
Project No.: 12055
Drawn By: NLM

Checked By: RGL
Approved By: RGL

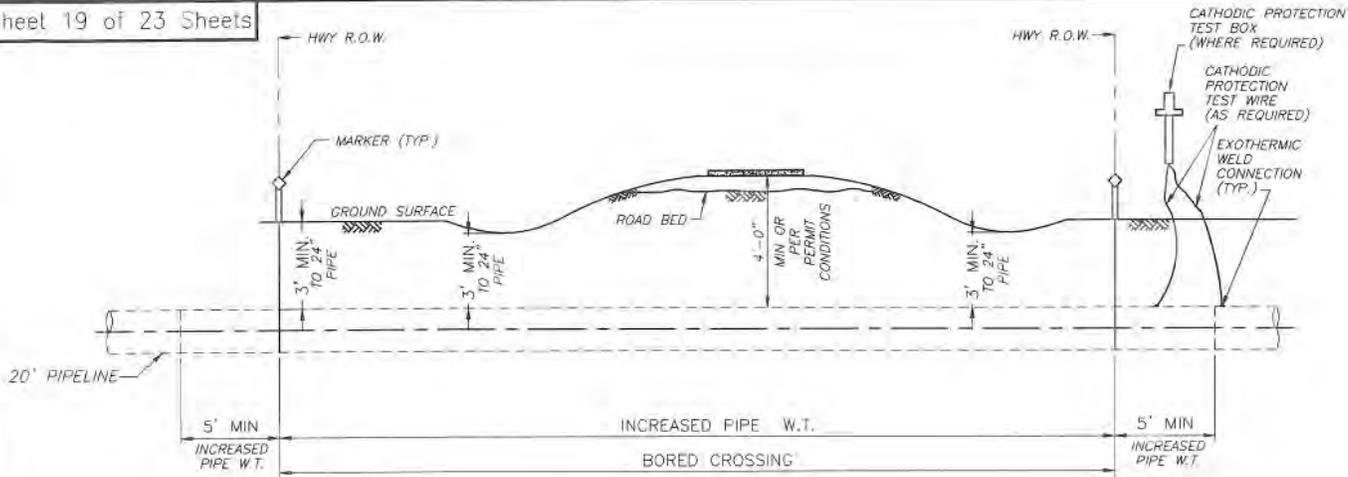
PREPARED BY:

PROJECT CONSULTING SERVICES, INC.
Metairie, Louisiana
www.projectconsulting.com

Revised Date:
Revised Approved By:

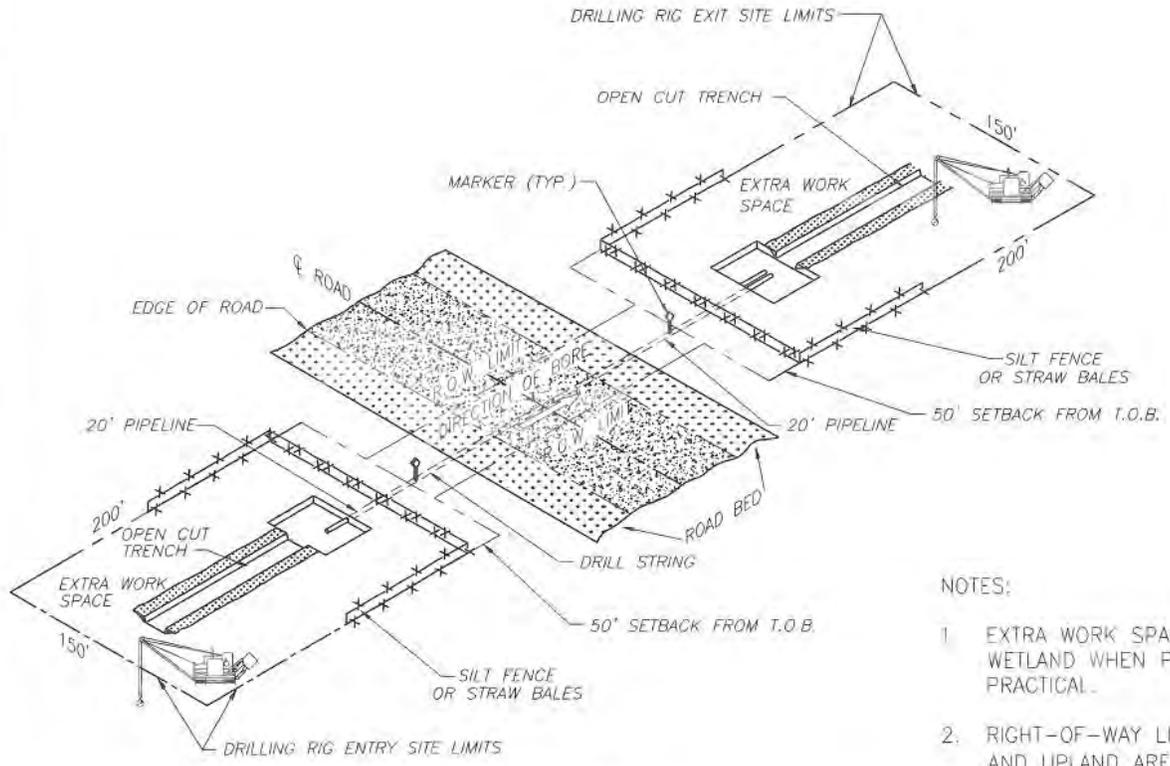
Genesis Pipeline USA, LP
PROPOSED 24-INCH CRUDE PIPELINE
PORT HUDSON TO PORT ALLEN
EAST BATTON ROUGE PARISH
WEST BATTON ROUGE PARISH
LOUISIANA

DWG. NO. TYP-12055-02



PROFILE

NOT TO SCALE



PLAN VIEW

NOT TO SCALE

NOTES:

1. EXTRA WORK SPACE NOT LOCATED IN WETLAND WHEN POSSIBLE AND PRACTICAL.
2. RIGHT-OF-WAY LIMITS FOR WETLAND AND UPLAND ARE 75' AND 110' RESPECTIVELY.
3. WORK AREA WILL BE TEMPORARILY MATTED ON AN AS NEEDED BASIS.

NOTE: THE CONTENTS OF THIS DRAWING IS DESIGNED SPECIFICALLY FOR THE PURPOSE OF SECURING FEDERAL, STATE AND LOCAL ENVIRONMENTAL/REGULATORY AUTHORIZATIONS ONLY.

APPLICATION BY:

G

Genesis Pipeline USA, LP

Date: 3/1/13
 Project No.: 12055
 Drawn By: NLM
 Checked By: RGL
 Approved By: RGL

PREPARED BY:

PROJECT CONSULTING SERVICES, INC

Metairie, Louisiana
 www.projectconsulting.com

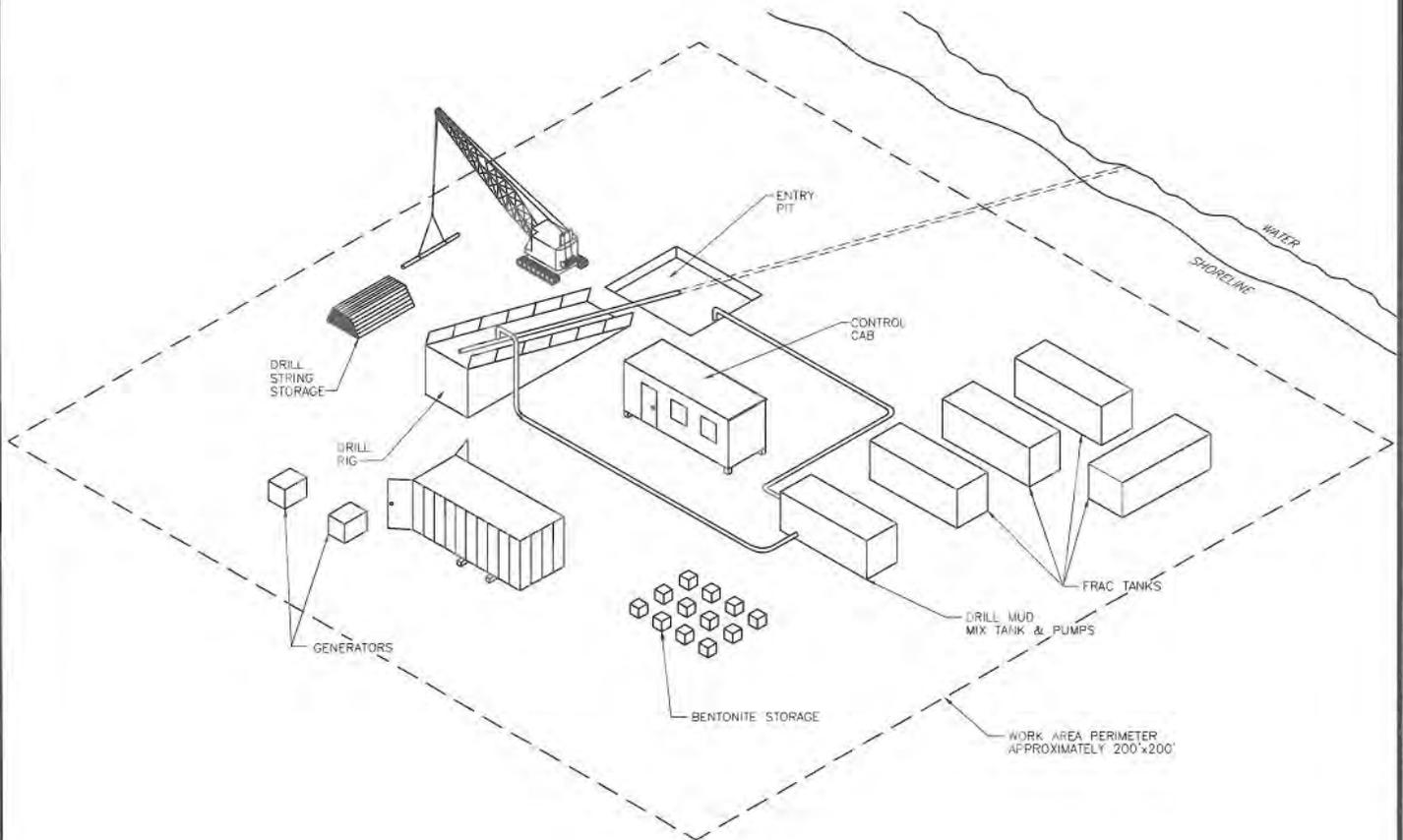
Revised Date:
 Revised Approved By:

Genesis Pipeline USA, LP
 PROPOSED 24-INCH CRUDE PIPELINE
 PORT HUDSON TO PORT ALLEN
 EAST BATON ROUGE PARISH
 WEST BATON ROUGE PARISH
 LOUISIANA

DWG. NO. TYP-12055-03

HORIZONTAL DIRECTIONAL DRILL ONSHORE EQUIPMENT LAYOUT

NOT TO SCALE



NOTE: THE CONTENTS OF THIS DRAWING IS DESIGNED SPECIFICALLY FOR THE PURPOSE OF SECURING FEDERAL, STATE AND LOCAL ENVIRONMENTAL/REGULATORY AUTHORIZATIONS ONLY.

APPLICATION BY:


Genesis Pipeline USA, LP

Date: 3-1-13
 Project No.: 12055
 Drawn By: NLM

Checked By: RGL
 Approved By: RGL

PREPARED BY:


PROJECT CONSULTING SERVICES, INC.
 Metairie, Louisiana
www.projectconsulting.com

Revised Date:
 Revised Approved By:

Genesis Pipeline USA, LP
PROPOSED 24-INCH CRUDE PIPELINE
PORT HUDSON TO PORT ALLEN
EAST BATON ROUGE PARISH
WEST BATON ROUGE PARISH
LOUISIANA

DWG. NO. TYP-12055-04

p:\genesis\12055\working\permit\typ-12055-04.dwg 4: GJD/LEL 12055 16:51

Wetland Impact Table				
WETLAND ID	Wetland Type	Total Impacts Within Working ROW (Acres)	Total Temporary Impacts Within Working ROW (Acres)	Total Permanent ROW Impacts (Acres)
Hydrologic Unit Code - 08070201 : Bayou Sara - Thompson				
Wetland # 1	Forested	0.48	0.04	0.44
Wetland # 2	Forested	0.61	0.19	0.42
Wetland # 3	Forested	0.89	0.30	0.59
Wetland # 3-A	Herbaceous	0.13	0.08	0.05
Wetland # 3-B	Herbaceous	0.17	--	0.17
Wetland # 3-C	Herbaceous	0.45	0.25	0.20
Wetland # 4	Forested	--	--	--
Wetland # 5	Herbaceous	0.15	0.02	0.13
Wetland # 6	Herbaceous	0.19	--	0.19
	Forested	0.08	0.08	--
Wetland # 7	Forested	1.07	0.75	0.32
Wetland # 8	Herbaceous	0.02	0.01	0.01
	Forested	0.07	0.05	0.02
Wetland # 9	Forested	0.10	0.06	0.04
Wetland # 10	Forested	0.01	0.01	--
Wetland # 11	Herbaceous	0.15	0.15	--
	Forested	0.82	0.37	0.45
Wetland # 12	Herbaceous	0.05	0.03	0.02
	Forested	0.10	0.06	0.04
Wetland # 12-A	Forested	0.06	0.06	--
Wetland # 13	Herbaceous	0.15	0.07	0.08
	Forested	0.27	0.16	0.11
Wetland # 13-A	Herbaceous	0.04	0.03	0.01
Wetland # 13-B	Herbaceous	0.02	0.01	0.01
Wetland # 13-C	Herbaceous	0.02	0.01	0.01
Wetland # 14	Herbaceous	0.16	0.05	0.11
	Forested	1.86	0.64	1.22
Wetland # 15	Forested	2.96	1.04	1.92
Hydrologic Unit Code - 08070100 : Lower Mississippi-Baton Rouge				
Wetland # 17	Herbaceous	1.28	0.81	0.47
	Forested	10.77	5.30	5.47
Herbaceous		2.98	1.52	1.46
Forested		20.15	9.11	11.04
Totals		23.13	10.63	12.50

NOTE: THE CONTENTS OF THIS DRAWING IS DESIGNED SPECIFICALLY FOR THE PURPOSE OF SECURING FEDERAL, STATE AND LOCAL ENVIRONMENTAL/REGULATORY AUTHORIZATIONS ONLY.

APPLICATION BY:



Date: 3-1-13
 Project No.: 12055
 Drawn By: GJD
 Checked By: RGL
 Approved By: RGL

PREPARED BY:



Revised Date:
 Revised Approved By:

Genesis Pipeline USA, LP
 PROPOSED 24-INCH CRUDE PIPELINE
 PORT HUDSON TO PORT ALLEN
 EAST BATON ROUGE PARISH
 WEST BATON ROUGE PARISH
 LOUISIANA

DWG. NO. PERM-12055-05

Stream and Waterbody Impact Table					
Water ID	Classification	OHWM Width (ft)	OHWM Depth (ft)	Crossing Method	Water Bottom Impacts (acres)
East Baton Rouge Parish					
Hydrologic Unit Code - 08070201 : Bayou Sara - Thompson					
Water # 01	Ephemeral	6	1	Open Cut	0.02
Water # 02	Intermittent	14	4	Open Cut	0.01
Water # 03	Perennial	35	9	Open Cut	0.04
Water # 04	Ephemeral	1	1	Open Cut	0.00
Water # 04-A	Ephemeral	5	1	Open Cut	0.01
Water # 05	Intermittent	10	2	Open Cut	0.02
Water # 06	Ephemeral	4	1	Open Cut	0.02
Water # 07	Intermittent	7	4	Open Cut	0.03
Water # 09	Intermittent	6	3	Open Cut	0.02
Water # 10	Ephemeral	22	2	Open Cut	0.03
Water # 11	Intermittent	14	2	Open Cut	0.02
Water # 11	Intermittent	14	2	Open Cut	0.07
Water # 12	Intermittent	14	2	Access Rd.	0.04
Water # 13	Intermittent	8	1	Open Cut	0.02
Water # 14	Intermittent	10	5	Open Cut	0.01
Hydrologic Unit Code - 08070100 : Lower Mississippi-Baton Rouge					
Water # 15	Perennial	--	--	HDD	--
Water # 16	Perennial	--	--	HDD	--
West Baton Rouge Parish					
Water # 17	Intermittent	12	5	Access Rd.	0.00
Water # 18	Intermittent	243	13	Open Cut	0.27
Hydrologic Unit Code - 08070300 : Lower Grand					
Water # 19	Intermittent	7	3	Open Cut	0.01
Water # 20	Ephemeral	4	2	Open Cut	0.20
Water # 21	Ephemeral	4	1	Open Cut	--
Water # 22	Ephemeral	7	2	Open Cut	--
Water # 23	Ephemeral	5	2	Open Cut	0.01
Total Impacts					0.86

NOTE: THE CONTENTS OF THIS DRAWING IS DESIGNED SPECIFICALLY FOR THE PURPOSE OF SECURING FEDERAL, STATE AND LOCAL ENVIRONMENTAL/REGULATORY AUTHORIZATIONS ONLY.

APPLICATION BY:



Date: 3-1-13
 Project No.: 12055
 Drawn By: GJD
 Checked By: RGL
 Approved By: RGL

PREPARED BY:



Revised Date:
 Revised Approved By:

Genesis Pipeline USA, LP
 PROPOSED 24-INCH CRUDE PIPELINE
 PORT HUDSON TO PORT ALLEN
 EAST BATON ROUGE PARISH
 WEST BATON ROUGE PARISH
 LOUISIANA

DWG. NO. PERM-12055-04

WETLAND IMPACT TABLE Summary			
Wetlands Classification	Temporary w/in ROW	Permanent w/in ROW	Total w/in ROW
Herbaceous	1.52 ac.	1.46 ac.	2.98 ac.
Forested	9.11 ac.	11.04 ac.	20.15 ac.
Other Waters	0.86 ac.		0.86 ac.



Dial 811 Before You Dig

NOTE: In order to insure the safety of all parties, the permittee shall contact the Louisiana One Call System, a minimum of 48 hours prior to the commencement of any excavation (Digging, Dredging, Jetting, etc.) or demolition activity.

EXCAVATION w/in WETLANDS:

Total Volume: 20,491 cubic yards

Affected Acreage from Temporary Dredge & Fill: 8.64 acres

NOTE: THE CONTENTS OF THIS DRAWING IS DESIGNED SPECIFICALLY FOR THE PURPOSE OF SECURING FEDERAL, STATE AND LOCAL ENVIRONMENTAL/REGULATORY AUTHORIZATIONS ONLY.

APPLICATION BY:



Genesis Pipeline USA, LP

Date: 3-1-13

Project No.: 12055

Drawn By: NLM

Checked By: RGL

Approved By: RGL

PREPARED BY:



PROJECT CONSULTING SERVICES, INC.
Metairie, Louisiana
www.projectconsulting.com

Revised Date:

Revised Approved By:

Genesis Pipeline USA, LP
PROPOSED 24-INCH CRUDE PIPELINE
PORT HUDSON TO PORT ALLEN
EAST BATON ROUGE PARISH
WEST BATON ROUGE PARISH
LOUISIANA

DWG. NO.

PERM-12055-06