PRELIMINARY DOCUMENTS NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE, SALES, OR AS THE BASIS FOR THE ISSUANCE OF A PERMIT.
NOTES:

1. PIPELINE INFORMATION SHOWN ON PLANS IS APPROXIMATE. THE CONTRACT SHALL VERIFY EXACT LOCATIONS PRIOR TO BEGINNING CONSTRUCTION.

2. ALL PIPELINES LOCATED WITHIN 150' OF RIDGE, DKE ALIGNMENT, FILL AREAS, BORROW AREAS, OR CLOSURES SHALL BE PROBED AND THEIR LOCATIONS MARKED FOR THE DURATION OF CONSTRUCTION ACTIVITIES. SEE SP-02 OF THE SPECIFICATIONS FOR DETAILS.

3. NO EXCAVATION SHALL OCCUR WITHIN 50' OF A PIPELINE.

4. THE DREDGE DISCHARGE LINE MAY BE LAIED WITHIN THE EQUIPMENT ACCESS ROUTE. SEE PLANS FOR DETAILS.

PRELIMINARY DOCUMENTS NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORODATION, CONVEYANCE, SALES, OR AS THE BASIS FOR THE ISSUANCE OF A PERMIT.
EXISTING GRADE

MLW = -0.07'
MHW = 1.07'

TYPICAL CROSS-SECTION

MHW = 1.07'
MLW = -0.07'

EARTHEH CONTAINMENT DKE

EXISTING GRADE

MLW = -0.07'
MHW = 1.07'

RIDGE CROSS-SECTION TYPE 1

TARGET MARSH EL VARIES, SEE TABLE

3.0 (± .05')

RIDGE CROSS-SECTION TYPE 2

PRESENT DOCUMENTS NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE, SALES, OR AS THE BASIS FOR THE ISSUANCE OF A PERMIT.
NOTES:
1. PIPELINE INFORMATION SHOWN ON PLANS IS APPROXIMATE. THE CONTRACT SHALL VERIFY EXACT LOCATIONS PRIOR TO BEGINNING CONSTRUCTION.
2. ALL PIPELINES LOCATED WITHIN 150' OF RIDGE, DIKE ALIGNMENT, FILL AREAS, BORROW AREAS, OR CLOSURES SHALL BE PROBED AND THEIR LOCATIONS MARKED FOR THE DURATION OF CONSTRUCTION ACTIVITIES. SEE SP-02 OF THE SPECIFICATIONS FOR DETAILS.
3. NO EXCAVATION SHALL OCCUR WITHIN 50' OF A PIPELINE.
4. THE DREDGE DISCHARGE LINE MAY BE LAID WITHIN THE EQUIPMENT ACCESS ROUTE.

PRELIMINARY DOCUMENTS NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE, SALES, OR AS THE BASIS FOR THE ISSUANCE OF A PERMIT.
NOTES:
1. MEAN HIGH WATER (MHW) AND MEAN LOW WATER (MLW) WERE CALCULATED FROM THE GAGE CRMS163 LOCATED 4 MILES SOUTH OF VENICE. DATA FROM JUNE 25, 2007 TO OCTOBER 15, 2018 WAS USED. ELEVATIONS ARE REFERENCED TO NAVD 88, US FEET. MHW = 1.07' AND MLW = -0.7'.

PRELIMINARY DOCUMENTS NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE, SALES, OR AS THE BASIS FOR THE ISSUANCE OF A PERMIT.
NOTES:
1. MEAN HIGH WATER (MHW) AND MEAN LOW WATER (MLW) WERE CALCULATED FROM THE GAGE CRMS0163 LOCATED 4 MILES SOUTH OF VENICE. DATA FROM JUNE 25, 2007 TO OCTOBER 15, 2018 WAS USED. ELEVATIONS ARE REFERENCED TO NAVD 88, US FEET. MHW = 1.07' AND MLW = -0.7'.

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

DREDGING NOTES:
1. THE U.S. ARMY CORPS OF ENGINEERS (USACE) REQUIRE A 75’ NAVIGABLE CHANNEL BELOW THE -45’ NAVD 88 CONTOUR.
2. THE ANCHOR BUOY LIMIT IS OFFSET 125 FEET FROM THE EDGE OF THE BORROW AREA.
3. THE CONTRACTOR WILL BE REQUIRED TO ANCHOR WITHIN THE ANCHOR BUOY LIMITS SHOWN ON THE DRAWINGS. ANCHORING BEYOND THE ANCHOR BUOY LIMITS SHOWN ON THE DRAWINGS IS NOT ALLOWED.
4. THE CONTRACTOR WILL BE REQUIRED TO STAY WITHIN THE BORROW AREA LIMITS SHOWN ON THE DRAWINGS. DREDGING BEYOND THE BORROW AREA LIMITS SHOWN ON THE DRAWINGS IS NOT ALLOWED.
5. THE MAXIMUM AFTER DREDGE (AD) ELEVATIONS SHOWN HEREIN ARE THE MAXIMUM DEPTHS ALLOWED WITHIN THE BORROW AREA PER THE PERMITS AND BASED ON THE AD SURVEY.
6. THE CONTRACTOR MAY DISTURB UP TO 3 FEET BELOW THE MAXIMUM AD ELEVATION WITH THEIR EQUIPMENT. SEE SECTION TS-401 OF THE SPECIFICATIONS.
7. ANY DAMAGE TO EXISTING U.S. COAST GUARD NAVIGATION AIDS OR PRIVATE NAVIGATION AIDS SHALL BE REPAIRED BY THE CONTRACTOR TO U.S. COAST GUARD STANDARDS AT THE EXPENSE OF THE CONTRACTOR.
8. THE CONTRACTOR MAY NOT DREDGE OR PLACE ANCHORS WITHIN THE BUFFERED AREAS.
9. ALL PIPELINES LOCATED WITHIN 150’ OF THE BORROW AREAS SHALL BE PROBED AND THEIR LOCATIONS MARKED FOR THE DURATION OF CONSTRUCTION ACTIVITIES. SEE TS-102 OF THE SPECIFICATIONS FOR DETAILS.
10. THE CONTRACTOR SHALL PERFORM A MAGNETOMETER SURVEY IN ALL AREAS OF EXCAVATION PRIOR TO ANY WORK. NO HYDRAULIC DREDGING MAY TAKE PLACE WITHIN 500 FEET OF ANY EXISTING PIPELINE OR SUBMERGED TRANSMISSION LINE IN THE MISSISSIPPI RIVER.

NOTES:
1. ALL COORDINATES SHOWN ARE FEET, LOUISIANA STATE PLANE, SOUTH ZONE, NAD83.
2. ALL ELEVATIONS SHOWN ARE IN FEET BASED ON NAVD 1988 GEOID 12B.
3. DATE OF AERIAL IMAGERY IS JANUARY, 2018.
4. DATE OF OCEAN SURVEYS, INC. BATHYMETRIC, SIDE SCAN SONAR, AND MAGNETOMETER SURVEY IS FEBRUARY 2018.
5. MAGNETOMETER ANOMALIES AND SONAR TARGETS NOT SHOWN FOR CLARITY.
6. PIPELINE INFORMATION SHOWN ON PLANS IS APPROXIMATE. THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS PRIOR TO BEGINNING CONSTRUCTION.
7. SLOPE OF SOUTHWEST SIDE IS SH:1V. SLOPE OF NORTHEAST SIDE IS 1H:1V.
8. SEE APPENDIX I OF SPECIFICATIONS FOR GEOTECHNICAL REPORTS.

CAUTION:
- BORROW BOTTOM OF CUT
- NAVIGATION CHANNEL
- CONVEYANCE CORRIDOR
- REFER TO CONVEYANCE CORRIDOR DRAWINGS
**DREDGING NOTES:**

1. The U.S. Army Corps of Engineers (USACE) requires a 75' navigable channel below the -40 NAVD contour.
2. The anchor buoy limit is offset 125 feet from the edge of the borrow area.
3. The contractor will be required to anchor within the anchor buoy limits shown on the drawings. Anchoring beyond the anchor buoy limits shown on the drawings is not allowed.
4. The contractor will be required to stay within the borrow area limits shown on the drawings. Dredging beyond the borrow area limits shown on the drawings is not allowed.
5. The maximum after dredge (AD) elevations shown herein are the maximum depths allowed within the borrow area per the permits and based on the AD survey.
6. The contractor may disturb up to 3 feet beneath the maximum AD elevation with their equipment. See section TS-401 of the specifications.
7. Any damage to existing U.S. Coast Guard navigation aids or private navigation aids shall be repaired by the contractor to U.S. Coast Guard standards at the expense of the contractor.
8. The contractor may not dredge or place anchors within the buffered areas.
9. All pipelines located within 150' of the borrow areas shall be probed and their locations marked for the duration of construction activities. See TS-102 of the specifications for details.
10. The contractor shall perform a magnetometer survey in all areas of excavation prior to any work. No hydraulic dredging may take place within 500 feet of any existing pipeline or submerged transmission line in the Mississippi River.

**NOTES:**

1. All coordinates shown are feet, Louisiana State Plane, South Zone, NAD83.
2. All elevations shown are in feet based on NAVD 1988 Geoid 12B.
3. Date of aerial imagery is January, 2018.
4. Date of ocean surveys, Inc. bathymetric, side scan sonar, and magnetometer survey is February 2018.
5. Magnetometer anomalies and sonar targets not shown for clarity.
6. Pipeline information shown on plans is approximate. The contractor shall verify exact locations prior to beginning construction.
7. Slope of southwest side is 5H:1V. Slope of northeast side is 1H:1V.
8. See Appendix I of specifications for geotechnical reports.
9. All pipelines located with 150' of the borrow areas shall be probed and their locations marked for the duration of construction activities. See section TS-401 of the specifications.
10. The contractor may not dredge or place anchors within the buffered areas.

**LEGEND:**

- U.S. ACE revetment
- SOIL BORING
- PIPELINE
- BATHYMETRIC CONTOUR
- BORROW BOTTOM OF CUT
- NAVIGATION CHANNEL
- CONVEYANCE CORRIDOR
- NAVIGATION AIDS
- TOTAL VOLUME = 42,763,835 C.Y.

**APPENDIX B BORROW AREA EXTENT AT BOTTOM OF CUT (-40' NAVD 88) SEE "DDD EXTENTS" TABLE ON BIBB ENLARGEMENT PLANS FOR VERTEX NORTHERNING/EASTINGS**

**SIDE SCAN SONAR**

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**DATE AND RESTORATION AUTHORITY**

**PROJECT NUMBER**

**DESIGNED BY**

**DATE:**

**SEE SHEET 43**

**SEE SHEET 44**

**SEE SHEET 45**

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**PRELIMINARY DOCUMENTS NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE, SALES, OR AS THE BASIS FOR THE ISSUANCE OF A PERMIT.**
LEGEND:
- Borrow Area
- Marsh Creation Area
- Conveyance Corridor
- Existing Pipeline

**DREDGE PIPELINE CORRIDOR / ACCESS CENTERLINE PROFILE**

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**DREDGE PIPELINE CORRIDOR / ACCESS CENTERLINE PROFILE**

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