U.S. ARMY CORPS OF ENGINEERS 578,000 575,000 US Army Corps of Engineers District: CEMVN 42" CHENIERE CREOLE TRAIL PIPELINE, L.P. Mud Lake LIGHT 90 LL=39.3 MLLW LL=40.3 MLLW LIGHT 89 CALGASIED PARISH DISPOSAL AREA 15 R SHEET 11

R_20251001_C;
tober 2025 575,000 NOTES: Horizontal Coordinate System: North American Datum of 1983 (NAD83), projected to the State Plane

-16' and above

-16' to -21'

-21' to -26'

-26' to -33'

-33' to -39'

-39' to -41'

-41' to -43'

-43' and below

LEGEND

Cable Area

[__] Anchorage Area

∅ Obstruction Point

Wrecks-Submerged

--- Federal Navigation Channel

--- Unconfirmed Pipeline/Cable

As-built Pipeline/Cable

— Project Depth Contour

— Federal Navigation Center Line Placement Area

3 Fluff Thickness (feet)*

Shoalest Sounding**

Red Navigation Buoy

Green Navigation Buoy

Beacon, General

VICINITY MAP

Upper Channel

11 12

. 13 14 15 16 17 18 19 20 21 22 23 24 25 26

Esri, HERE, Garmin, (c) OpenStreetMap contributors, and

 $\underline{\textbf{Lower Channel}} \quad \text{the GIS user community}$

40 41 42 43 44 45 46 47 48 49

LOWER 9 CALCASIEU Coordinate System (SPCS), Louisiana South Zone. Distance units in U.S. Survey Feet. Soundings are shown in feet and indicate depths below Mean Lower Low Water Datum (MLLW). Sheet Reference Number **of** 53

Revison Number: 5.25.08.04-5.25.08.04

*** High frequency (200 kHz) survey data represents the first signal return at a sounding location and will include suspended solids, known as "fluff", if present. Low frequency (20 kHz) survey data normally penetrates through this "fluff" layer to depict elevations of consoldiated bottom material. Low frequency accuracies may vary depending on channel conditions and fathometer

Datum Relationships for gage 73595 as of December 2013:
0.0' NAVD88 (OPUS 2013) = 0.9' MLLW = 1.9' MLG or 0.0' MLLW = 1.0' MLG

The location of navigation aids are base on and provided by the U.S. Coast Guard

* Difference between high and low frequency elevations where greater than 1.0'.

Distances on the Calcasieu River are shown at 1 mile intervals.

2022 Aerial Photography data source: PAR LLC

Reference is N.O.A.A. Navigation Chart No. 11339.

** Shoalest Sounding per Quarter per Reach.

Vertical Datum:

and USACE survey crews.

DM 86 VRS: 1.70 MLLW AVG

1,200

CALM

MV TECHE

CONDITION

Gage Reading:

Sea Conditions:

Sounding Frequency***: LOW

Feet

800

Vessel Name:

Survey Type:

400