

STATE OF LOUISIANA  
COASTAL PROTECTION AND RESTORATION AUTHORITY

COLE'S BAYOU  
MARSH RESTORATION  
PROJECT TV-63  
VERMILION PARISH, LOUISIANA

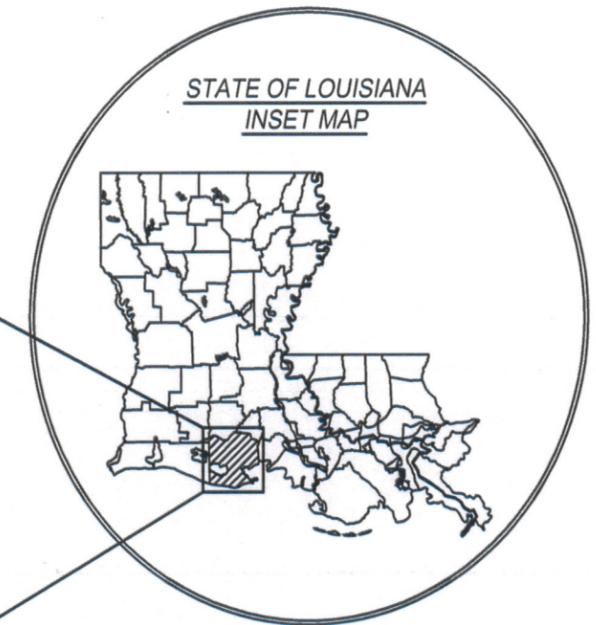


GRID NORTH  
NAD 83  
LOUISIANA STATE PLANE SOUTH  
0 10,000 20,000  
1"=10,000 US-Feet

INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
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3	OVERALL SURVEY LAYOUT
4	MCBA ACCESS CORRIDOR PROFILES
5-7	MCBA ACCESS CORRIDOR CROSS SECTIONS

AS-BUILT SURVEY  
MCBA ACCESS CORRIDOR



*J. Colter Ratliff*  
J. COLTER RATLIFF, P.S.  
AS-BUILT SURVEY DATA  
THROUGH SEPTEMBER 26, 2019  
REVISED OCTOBER 1, 2019



**TEI** TICE  
ENGINEERING, INC.  
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*Trusted Engineers. Experienced Surveyors. Innovative Results.*

510 S. VARDAMAN ST.  
WIGGINS, MS 39577  
PHONE: 601.928.4121 E-MAIL: info@ticeeng.com

PROJECT NUMBER : 1235-18 1 OF 7

**NOTIFICATIONS:**

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE FOLLOWING PIPELINE AND UTILITY OPERATORS AT LEAST FIVE (5) WORKING DAYS IN ADVANCE OF THE WORK. CALL LOUISIANA ONE CALL AT 1-800-272-3020 5 DAYS PRIOR TO ANY EXCAVATION AND/OR DREDGING TO LOCATE ALL PIPELINES OR UTILITIES.

ENTERPRISE PRODUCTS (FOR ACADIAN PIPELINE COMPANY)  
 CONTACT: LEONARD THURMOND  
 PHONE: (281) 887-3322

TRANSCANADA PIPELINE LIMITED  
 CONTACT: CHRIS MENEFFEE  
 PHONE: (615) 920-2480

2. THE CONTRACTOR SHALL NOTIFY THE LANDOWNERS LISTED BELOW AT LEAST FIVE (5) WORKING DAYS PRIOR TO PERFORMING THE WORK.

E.A. MCILHENNY ENTERPRISES  
 CONTACT: RANDY MORTLE, EDWARD M. SIMMONS  
 PHONE: (337) 365-8173

VERMILION CORPORATION  
 CONTACT: BILLY BROUSSARD  
 PHONE: (337) 400-0952

NATIONAL AUDUBON SOCIETY  
 CONTACT: TIM VINCENT  
 PHONE: (337) 893-8810

**AS-BUILT SURVEY NOTES:**

1. COPIES OF THIS SURVEY WITHOUT AN ORIGINAL SIGNATURE AND SEAL IN BLUE INK ARE NOT VALID. ANY ALTERATION OF THIS SURVEY, IN WHOLE OR PART, WITHOUT PRIOR WRITTEN PERMISSION OF TICE ENGINEERING, INC. IS PROHIBITED.
2. THIS SURVEY IS REFERENCED TO THE LOUISIANA STATE PLANE, SOUTH ZONE (1702), NAD (83). ALL UNITS SHOWN HEREON ARE IN U.S. SURVEY FEET. ALL ELEVATIONS ARE REFERENCED TO NAVD 88 (GEOID 12A) AND ARE BASED ON THE FOLLOWING:

<u>SECONDARY SURVEY MONUMENT</u>	<u>ELEVATION</u>	<u>NORTHING</u>	<u>EASTING</u>
TV12-SM-01	1.92'	456,955.04	3,005,295.31

3. THE AS-BUILT ELEVATIONS SHOWN ON THE PLANS ARE BASED ON THE AS-BUILT SURVEY PERFORMED FROM AUGUST 29, 2019 THROUGH SEPTEMBER 26, 2019 BY TICE ENGINEERING, INC. THE DESIGN SURVEY REPORT IS PROVIDED IN THE SPECIFICATIONS.
4. IF SHOWN, THE BACKGROUND AERIAL IMAGE(S) ARE PROVIDED BY BING ONTERRA SERVER AND/OR GOOGLE EARTH AND ARE SHOWN FOR GRAPHICAL PURPOSES ONLY.

**CONTROL POINTS & TEMPORARY BENCHMARKS**

NAME	NORTHING	EASTING	ELEVATION
TV12-SM-01	456,955.04'	3,005,295.31'	1.92'
TBM #100	453,925.82'	3,003,464.95'	1.31'
TBM #101	453,982.65'	3,003,802.09'	2.23'

**ABBREVIATIONS:**

CY	CUBIC YARD	MCA	MARSH CREATION AREA
DP	DREDGE PIPELINE	MCBA	MARSH CREATION BORROW AREA
DPC	DREDGE PIPE CORRIDOR	NTS	NOT TO SCALE
EAC	EQUIPMENT ACCESS CORRIDOR	PL	PIPELINE
ECD	EARTHEN CONTAINMENT DIKE	TBM	TEMPORARY BENCHMARK
LF	LINEAR FEET	DPBM	DREDGE PIPE BOARD MAT

**LEGEND - PLAN VIEWS**

-  EARTHEN CONTAINMENT DIKE
-  EQUIPMENT ACCESS CORRIDOR
-  MARSH CREATION AREA
-  MARSH CREATION BORROW AREA
-  MARSH CREATION BORROW AREA ACCESS CORRIDOR
-  TEMPORARY PROJECT BENCH MARK
-  SURVEY TRANSECT
-  PIPELINE

**LEGEND - PROFILE & SECTION VIEWS**

-  PRE-CONSTRUCTION SURFACE TO AS-BUILT SURFACE CUT/FILL AREA (TYP.)
-  PRE-CONSTRUCTION SURFACE TO MAX TEMPLATE CUT AREA (TYP.)

**GENERAL NOTES**



*J. Colter Ratliff*  
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 THROUGH SEPTEMBER 26, 2019  
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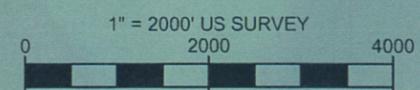
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PROJECT NUMBER : 1235-18 2 OF 7



GRID NORTH  
NAD 83  
LOUISIANA STATE PLANE SOUTH



**EXISTING TERRACE AREA TRANSECTS**  
SEE SHEETS 6 - 7  
EAC1 CROSS SECTIONS  
STA. 161+00 TO 179+00

**TV12-SM-01**  
N = 456,955.04'  
E = 3,005,295.31'  
Z = 1.92'

**TBM #101**  
N = 453,982.65'  
E = 3,003,802.09'  
Z = 2.23'

**TBM #100**  
N = 453,925.82'  
E = 3,003,464.95'  
Z = 1.31'

**MCBA-EAC1**  
SEE SHEETS 4 - 7  
EAC1 PROFILE &  
CROSS SECTIONS

ACADIAN  
PIPELINE  
TERMINAL

**TRANSECTS**  
SEE SHEET 5  
EAC1 CROSS SECTIONS  
STA. 91+40 TO 93+40

TRANSCANADA PL

*J. Colter Ratliff*  
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AS-BUILT SURVEY DATA  
THROUGH SEPTEMBER 26, 2019  
REVISED OCTOBER 1, 2019



**AS-BUILT SURVEY**  
OVERALL SURVEY LAYOUT

**SURVEYOR'S NOTES:**

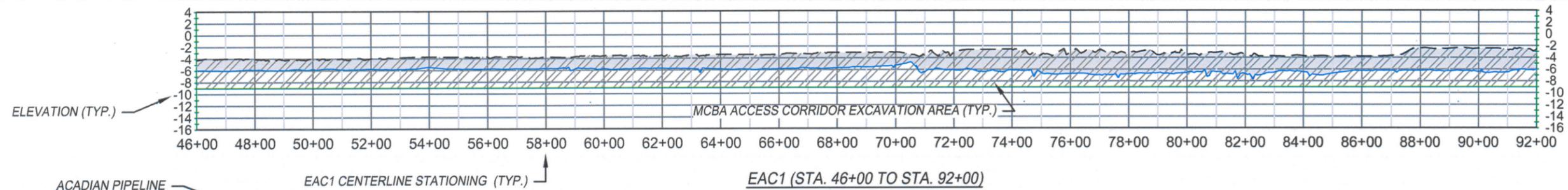
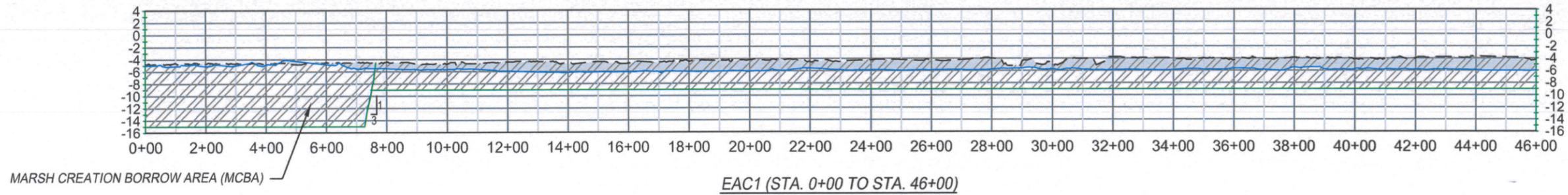
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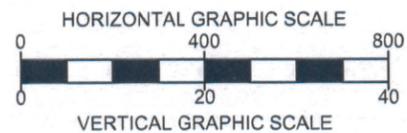
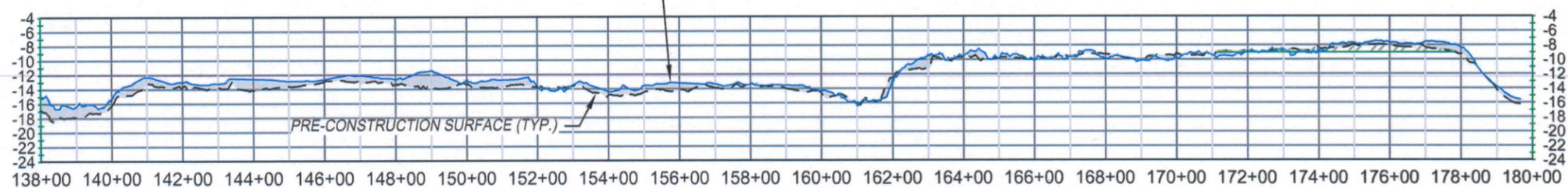
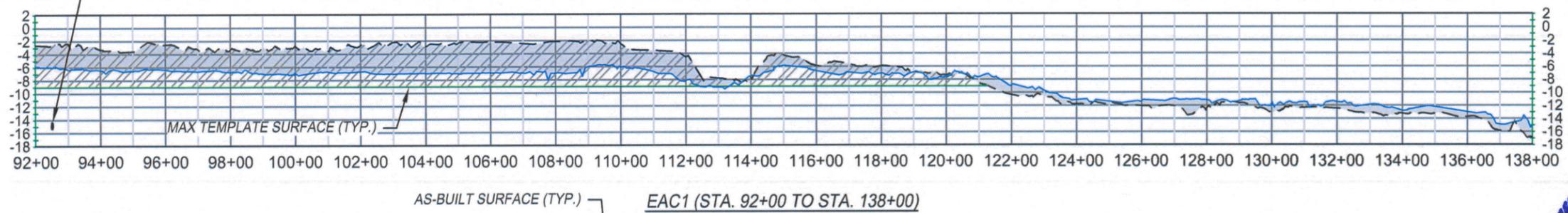
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ACADIAN PIPELINE  
STATION = 92+40  
TOP ELEVATION = (-14.35')



PRE-CONSTRUCTION SURFACE TO AS-BUILT SURFACE CUT/FILL AREA (TYP.)

PRE-CONSTRUCTION SURFACE TO MAX TEMPLATE CUT AREA (TYP.)

EAC1 (STA. 138+00 TO STA. 179+67)

**AS-BUILT SURVEY**

EQUIPMENT ACCESS CORRIDOR 1 (EAC1)  
MCBA ACCESS CORRIDOR  
PROFILES



*J. Colter Ratliff*  
J. COLTER RATLIFF, P.S.  
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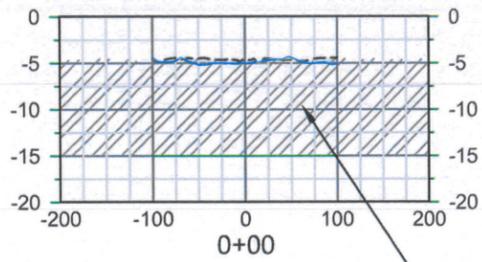
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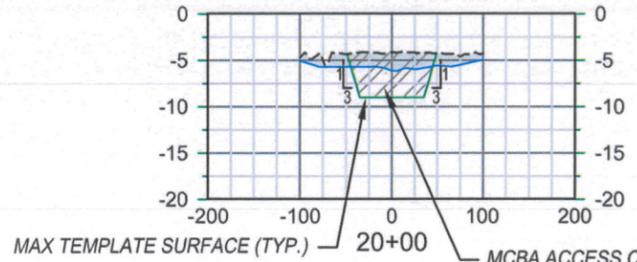
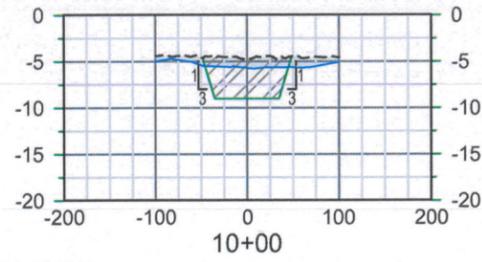
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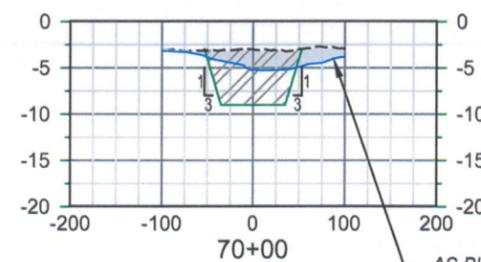
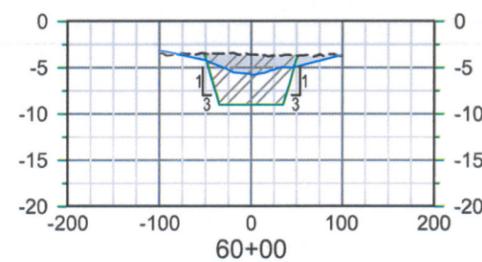
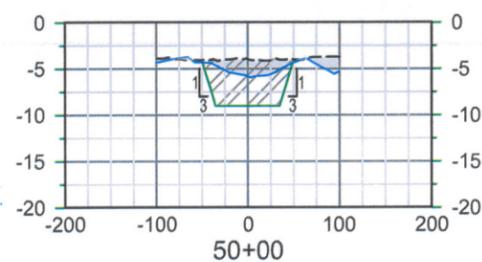
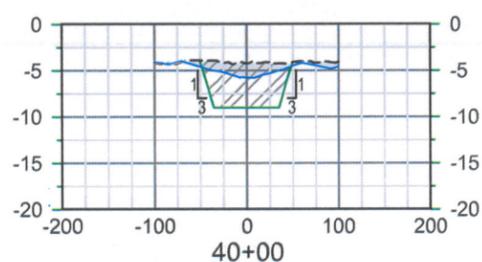
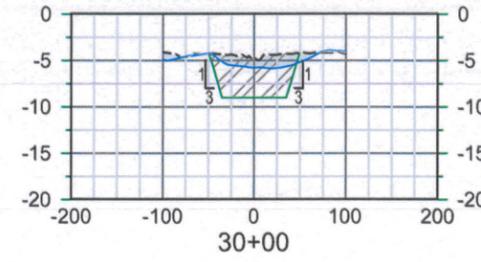
PROJECT NUMBER : 1235-18 4 OF 7



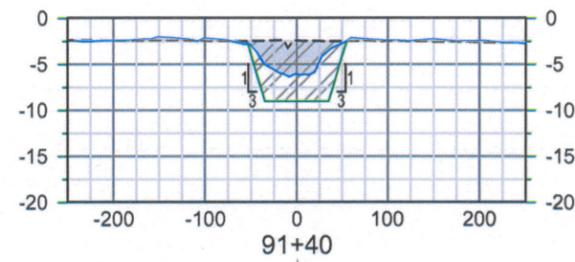
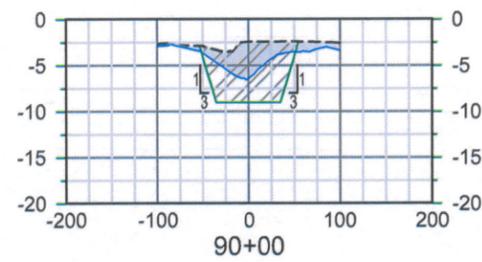
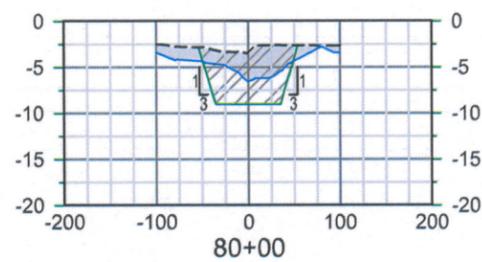
MARSH CREATION BORROW AREA (MCBA)



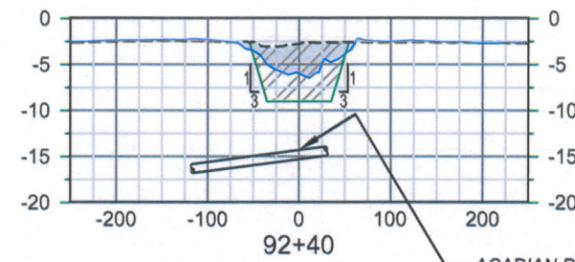
MCBA ACCESS CORRIDOR EXCAVATION AREA (TYP.)



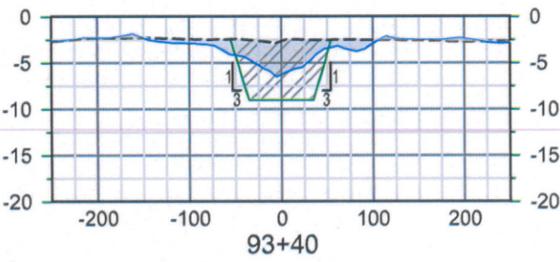
AS-BUILT SURFACE (TYP.)



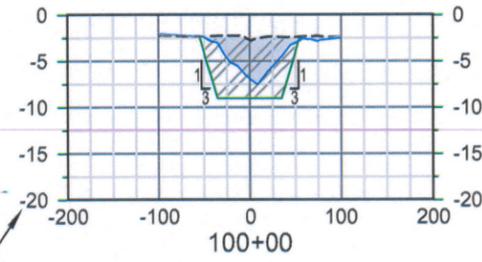
EAC1 CENTERLINE STATIONING (TYP.)



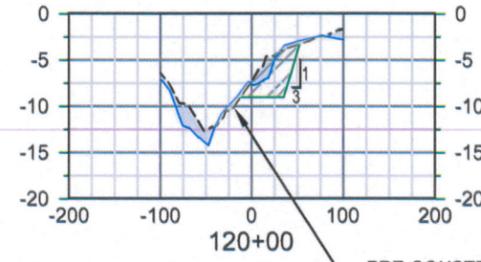
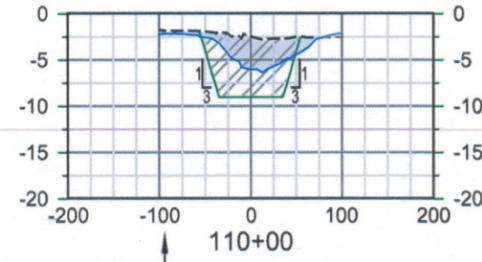
ACADIAN PIPELINE STATION = 92+40 TOP ELEVATION = (-14.35')



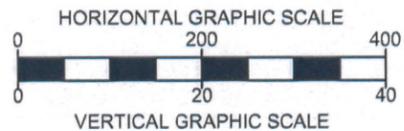
ELEVATION (TYP.)



OFFSET FROM EAC1 CENTERLINE (TYP.)



PRE-CONSTRUCTION SURFACE (TYP.)



PRE-CONSTRUCTION SURFACE TO AS-BUILT SURFACE CUT/FILL AREA (TYP.)
   
 PRE-CONSTRUCTION SURFACE TO MAX TEMPLATE CUT AREA (TYP.)

### AS-BUILT SURVEY

EQUIPMENT ACCESS CORRIDOR 1 (EAC1)  
MCBA ACCESS CORRIDOR  
CROSS SECTIONS



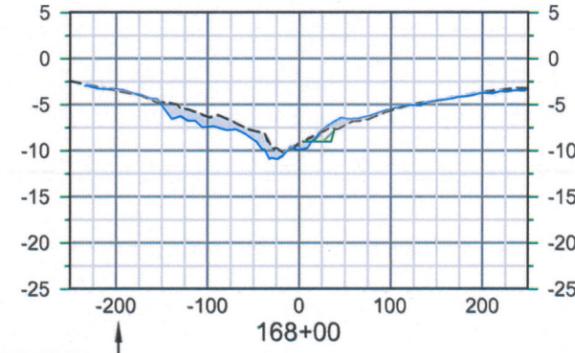
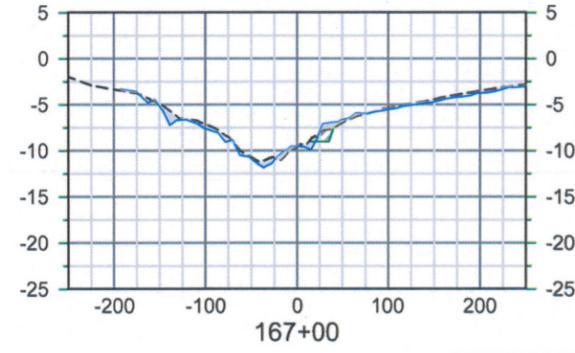
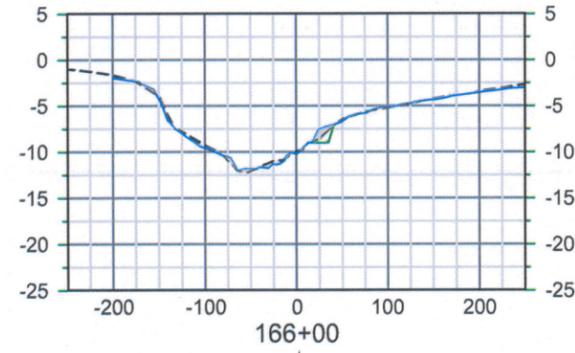
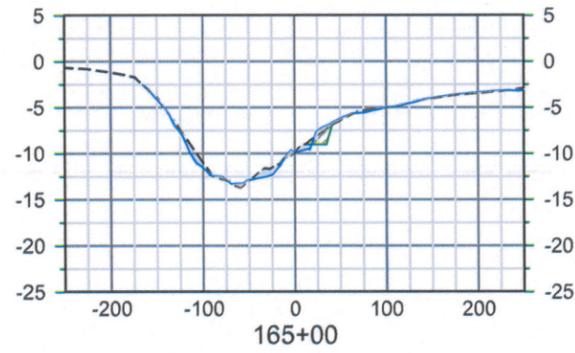
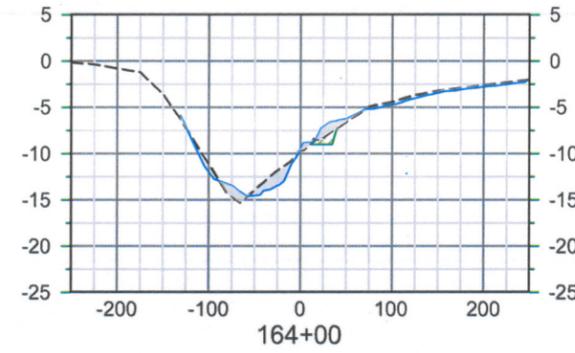
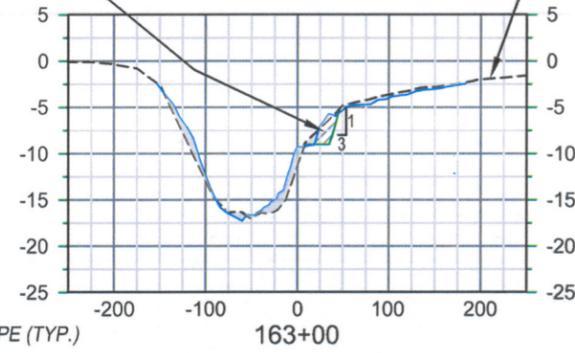
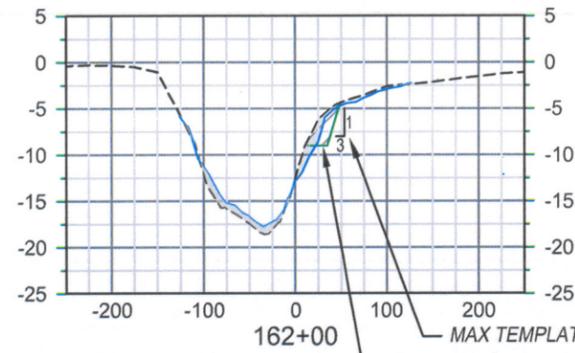
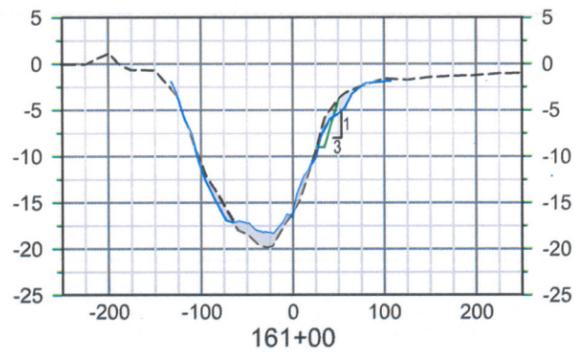
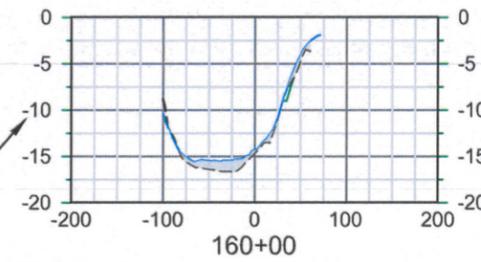
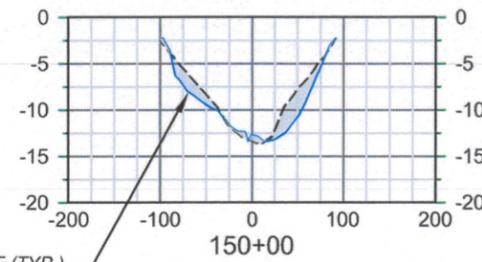
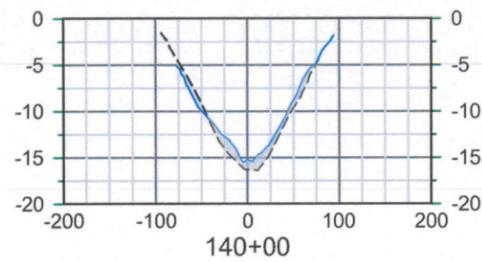
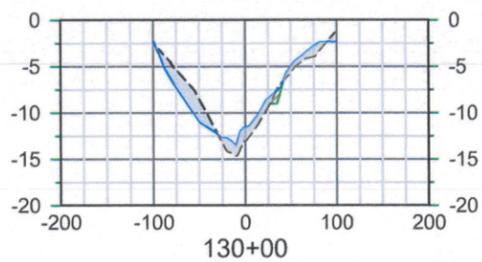
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EAC1 CENTERLINE STATIONING (TYP.)

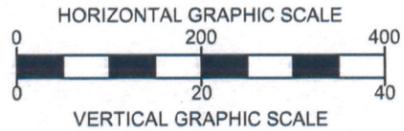
OFFSET FROM EAC1 CENTERLINE (TYP.)

MCBA ACCESS CORRIDOR EXCAVATION AREA (TYP.)

PRE-CONSTRUCTION SURFACE (TYP.)

AS-BUILT SURFACE (TYP.)

MAX TEMPLATE SURFACE SLOPE (TYP.)  
MAX TEMPLATE SURFACE (TYP.)



 PRE-CONSTRUCTION SURFACE TO AS-BUILT SURFACE CUT/FILL AREA (TYP.)  
 PRE-CONSTRUCTION SURFACE TO MAX TEMPLATE CUT AREA (TYP.)

**AS-BUILT SURVEY**  
EQUIPMENT ACCESS CORRIDOR 1 (EAC1)  
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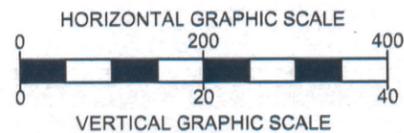
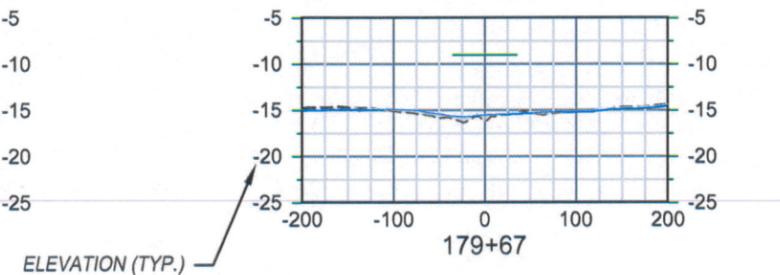
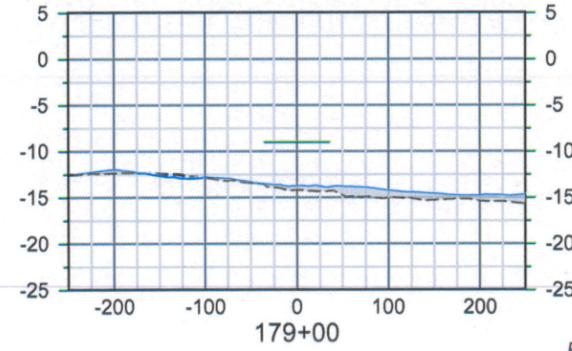
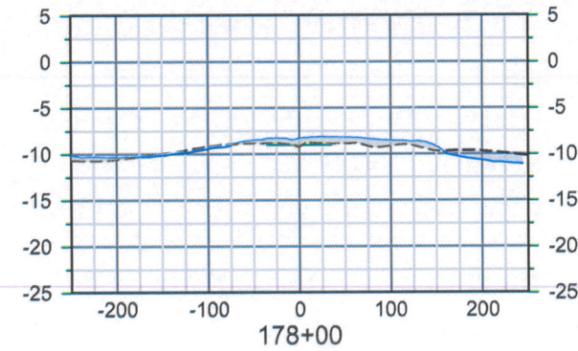
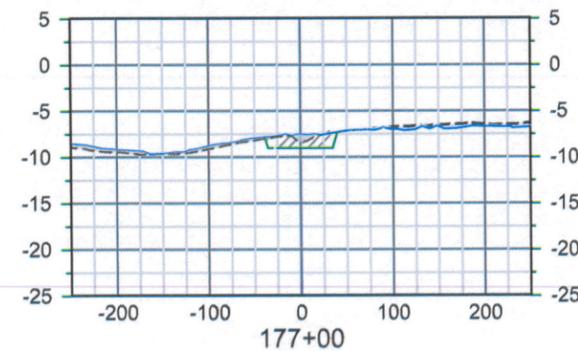
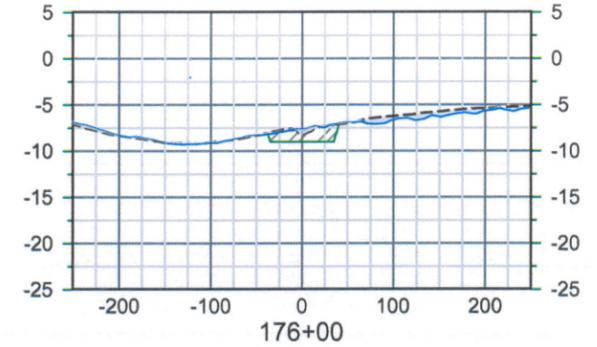
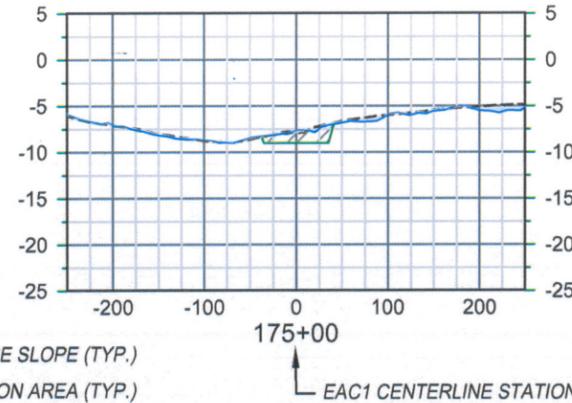
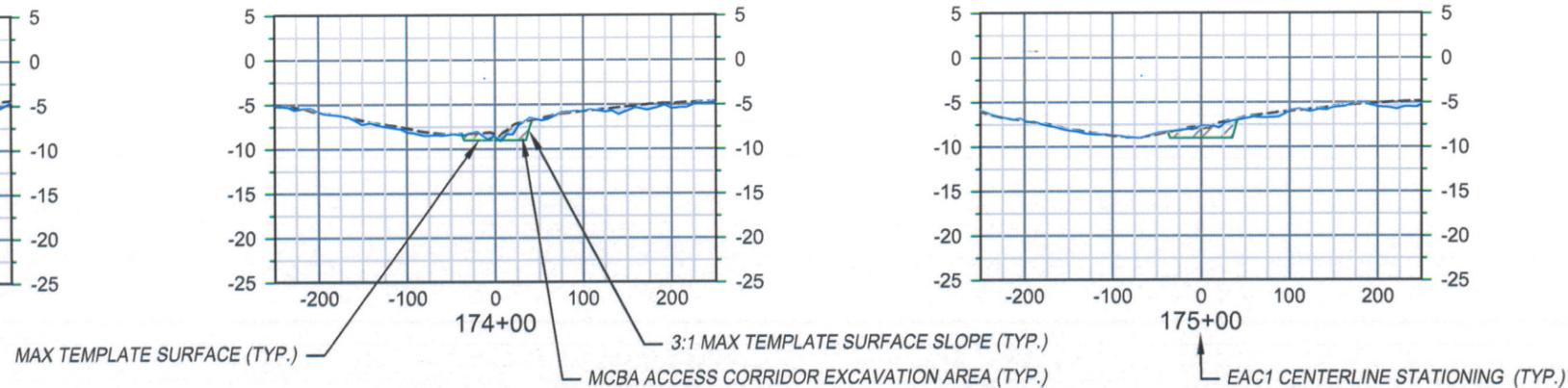
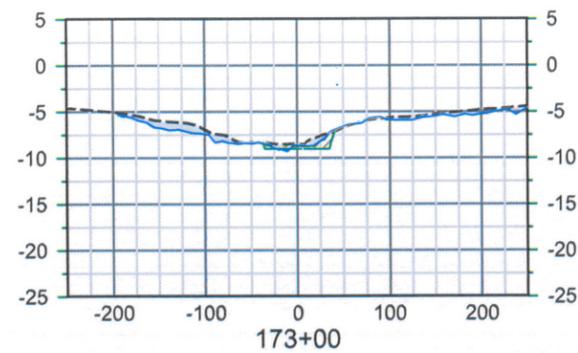
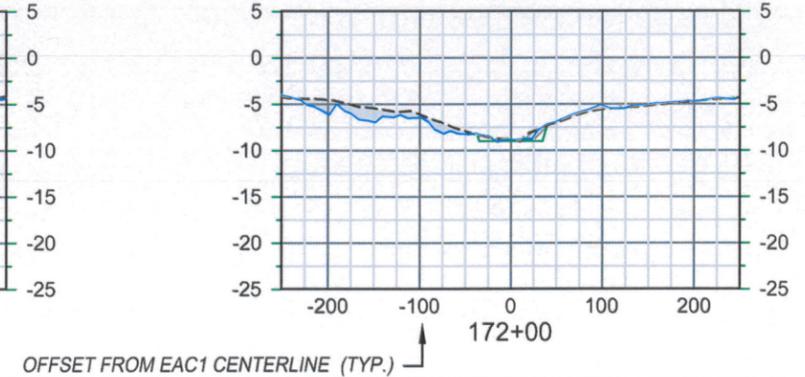
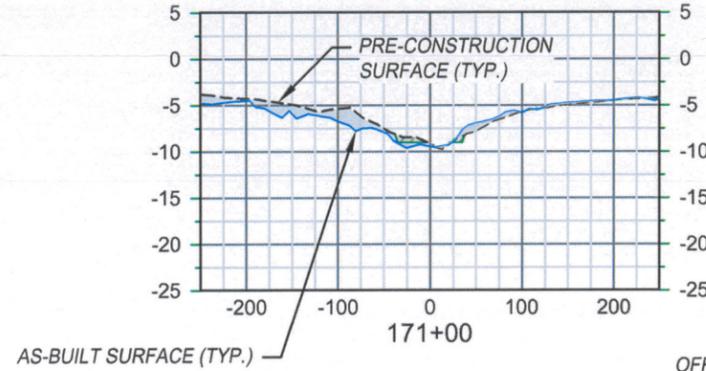
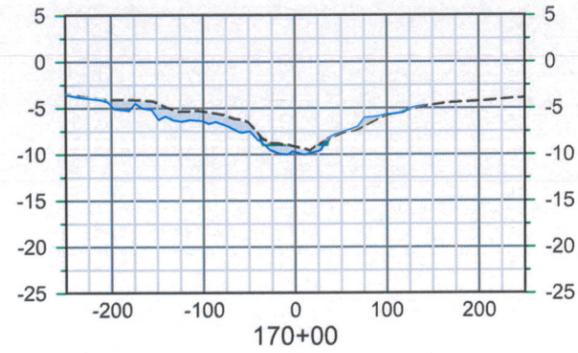
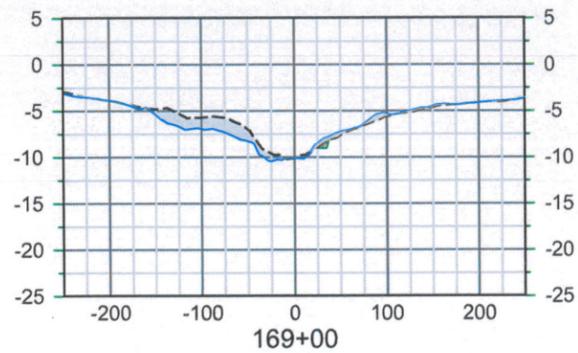
J. COLTER RATLIFF, P.S.  
AS-BUILT SURVEY DATA  
THROUGH SEPTEMBER 26, 2019  
REVISED OCTOBER 1, 2019

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STATE OF LOUISIANA  
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COLE'S BAYOU MARSH RESTORATION  
PROJECT TV-63  
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PROJECT NUMBER : 1235-18 6 OF 7



PRE-CONSTRUCTION SURFACE TO AS-BUILT SURFACE CUT/FILL AREA (TYP.)

PRE-CONSTRUCTION SURFACE TO MAX TEMPLATE CUT AREA (TYP.)

**AS-BUILT SURVEY**  
EQUIPMENT ACCESS CORRIDOR 1 (EAC1)  
MCBA ACCESS CORRIDOR  
CROSS SECTIONS



J. COLTER RATLIFF, P.S.  
AS-BUILT SURVEY DATA  
THROUGH SEPTEMBER 26, 2019  
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