

LAKE PORTAGE LAND BRIDGE PROJECT - TV-17

BUILT UNDER COASTAL WETLANDS PLANNING,
PROTECTION AND RESTORATION ACT OF
PUBLIC LAW 101-646

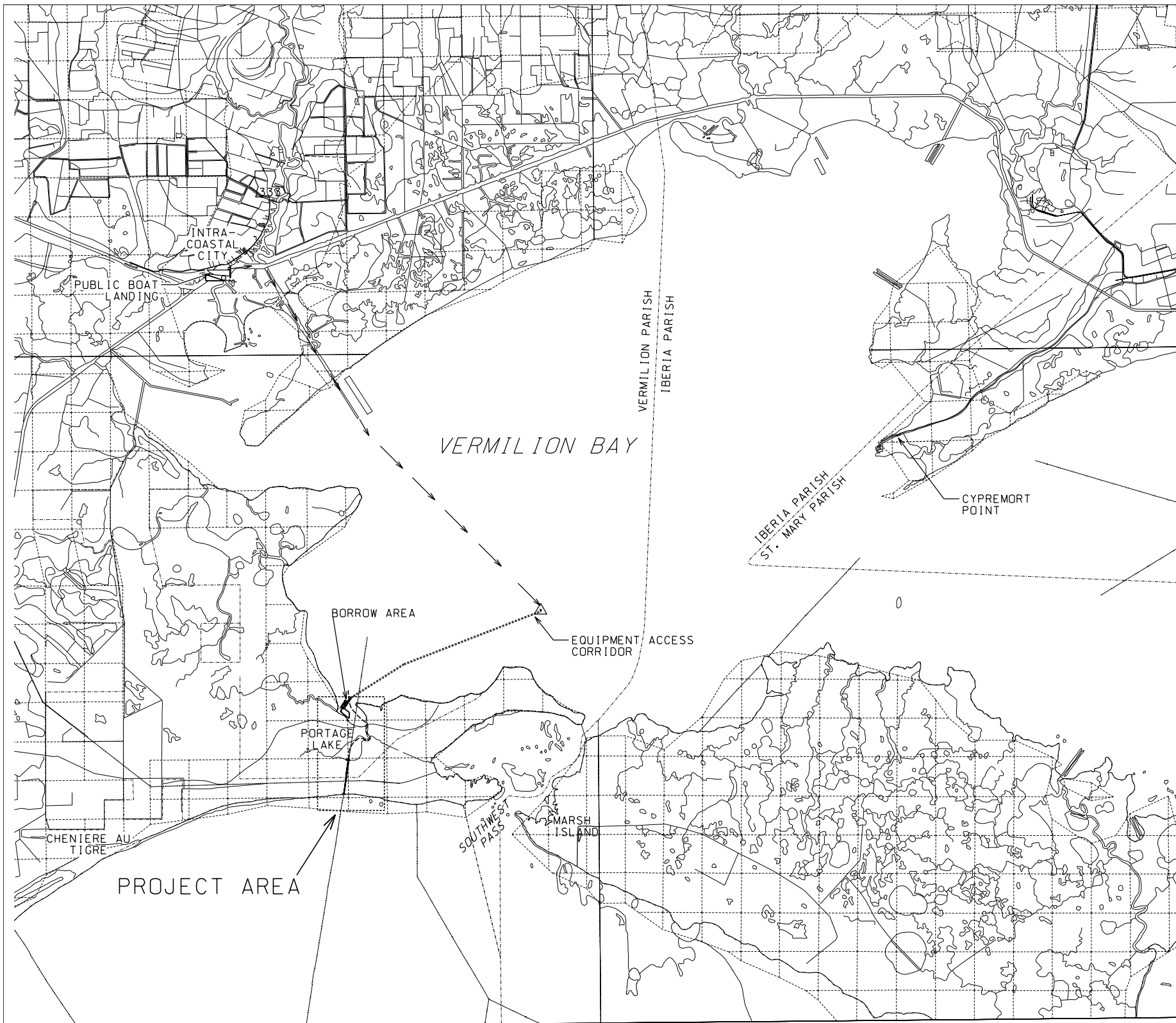
BY
ENVIRONMENTAL PROTECTION AGENCY
AND
LOUISIANA DEPARTMENT OF NATURAL RESOURCES
WITH THE ASSISTANCE OF
NATURAL RESOURCES CONSERVATION SERVICE
OF THE
UNITED STATES DEPARTMENT OF AGRICULTURE
2002



LOCATION IN LOUISIANA
(VERMILION PARISH)

"AS-BUILT"

"AS-BUILT PLANS"



LEGEND

- PROJECT AREA
- STATE HIGHWAY
- POLITICAL BOUNDARY
- ACCESS ROUTE
- PIPELINES
- SHIP CHANNEL MARKER 12
- PUBLIC BOAT LANDINGS

VICINITY MAP



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 - 2A3 ~~SITE MAP - LANDRIGHTS~~
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 - 4 SITE PLAN BORROW AREA & SITE 3
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STA. 0+00 - STA 11+80
 - 6 ~~AREA 1 PLAN & PROFILE
STA. 11+80 - STA 22+99~~
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STA. 11+80 - STA 22+99~~
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 - 18 ~~AREA 3 PROPOSED EARTHEN PLUG~~
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 - 19 DREDGE BORROW CHANNEL SECTION
& BOREHOLE DATA

SUBMITTED BY: WAYNE MELANCON 9/22/04
GOVERNMENT REPRESENTATIVE DATE

APPROVED BY: BRADLEY A. STICKER 12/16/04
ASSISTANT STATE CONSERVATION ENGINEER DATE

E. J. GIERING III 12/16/04
STATE CONSERVATION ENGINEER DATE

CONTRACT NO. 50-7217-3-7 DATE 01/30/03
CONTRACTOR BAY WEST INC.
INSPECTOR GARY PRIoux
DATE OF COMPLETION 5/11/2004

DESIGNED	C. E. LAFLEUR	DATE	06/02
DRAWN	D. J. WILMORE	TITLE	STATE CONSERVATION ENGINEER
TRACED			
CHECKED	C. E. LAFLEUR	DATE	06/02
APPROVED BY	E. J. GIERING III	DATE	08/02

COVER SHEET - VICINITY MAP
LAKE PORTAGE LANDBRIDGE PROJECT
VERMILION PARISH, LOUISIANA

NO.	DATE	APPR.	TITLE

CAD FILE NO. LA-311
DRAWING NO. LA31101.DGN
SHEET NO. 1 OF 19

U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE



GENERAL NOTES:

1. THE NATURAL RESOURCES CONSERVATION SERVICE DOES NOT GUARANTEE THE COMPLETENESS AND ACCURACY OF OWNERSHIP SHOWN. APPARENT OWNERSHIP HAS BEEN OBTAINED FROM MAPS IN THE OFFICE OF THE PARISH CLERK OF COURT OR THE TAX ASSESSOR. WHERE AN APPARENT PROPERTY LINE IS SHOWN NEAR THE CENTERLINE OF A STRUCTURE LOCATION OR CENTERLINE OF A LEVEE, ITS LOCATION IS NOT DEFINITE.
2. KNOWN PIPELINES AND UTILITIES ARE SHOWN ON THIS SHEET OF THE PLANS. HOWEVER, IT IS POSSIBLE THAT SOME MAY EXIST THAT HAVE NOT BEEN SHOWN. THE CONTRACTOR SHALL BE ON THE ALERT FOR SUCH PIPELINES AND UTILITIES, AND SHALL REPORT THEM IMMEDIATELY TO THE CONTR.

EQUIPMENT ACCESS CORRIDOR COORDINATES

PT #	NORTHING	EASTING	ELEVATION
PT 1	408633.40	3035747.40	-3.2
PT 2	409170.00	3036591.10	-3.8
PT 3	409706.70	3037434.90	-4.5
PT 4	410243.40	3038278.70	-4.7
PT 5	410780.00	3039122.50	-5.1
PT 6	411316.70	3039966.30	-5.2
PT 7	411853.40	3040810.10	-5.2
PT 8	412390.00	3041653.90	-5.4
PT 9	412579.80	3041952.20	-5.4
PT 10	412941.20	3042884.60	-5.3
PT 11	413302.70	3043817.00	-5.3
PT 12	413664.10	3044749.40	-5.6
PT 13	414025.50	3045681.80	-5.6
PT 14	414387.00	3046614.20	-5.3
PT 15	414748.40	3047546.60	-5.3
PT 16	415109.80	3048479.00	-5.1
PT 17	415471.30	3049411.40	-5.6
PT 18	415832.70	3050343.80	-5.6
PT 19	416194.20	3051276.20	-6.4
PT 20	416555.60	3052208.60	-6.7
PT 21	416917.00	3053141.00	-6.4
PT 22	417278.50	3054073.40	-6.6
PT 23	417639.90	3055005.80	-6.6
PT 24	418001.30	3055938.20	-7.3
PT 25	418362.80	3056870.60	-7.3
PT 26	418724.20	3057803.00	-7.3
BOUY MARKER #12	419123.85	3058833.92	

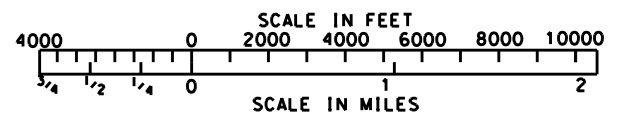
AMMENDMENT #3
ADDED ADDITIONAL COORDINATES
AND ELEVATION DATA

DATUM: ALL HORIZONTAL COORDINATES - NAD83
ALL VERTICAL COORDINATES - NAVD88

LEGEND

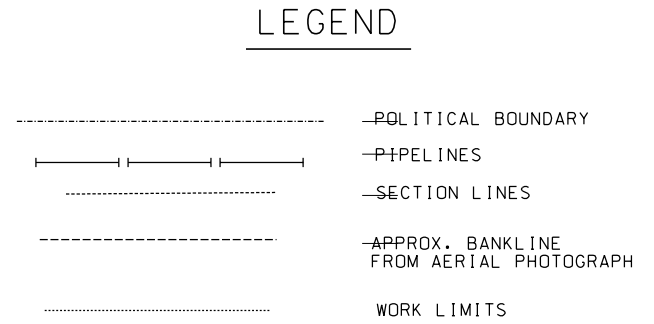
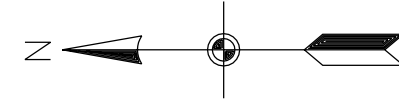
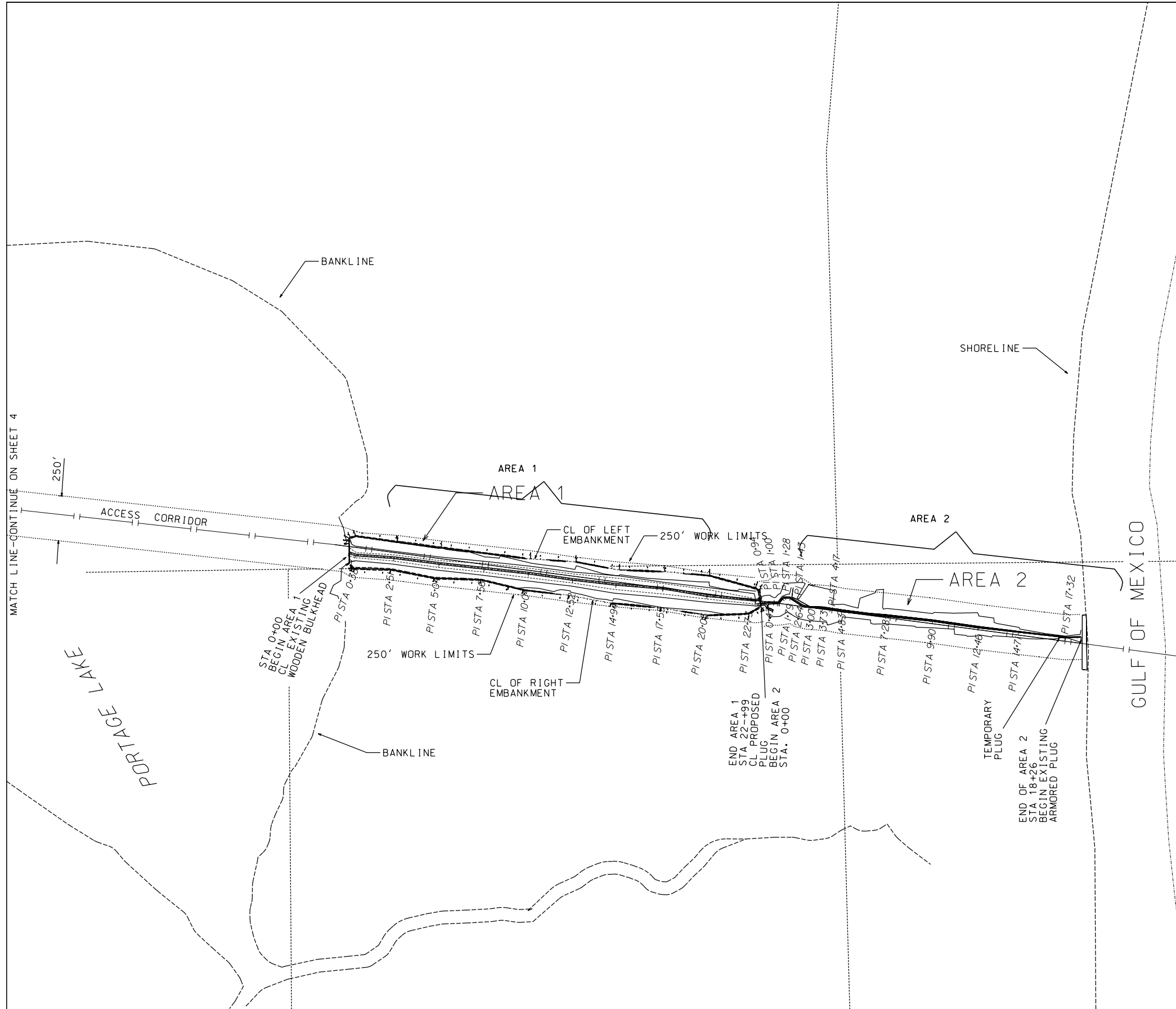
	PROJECT AREA
	POLITICAL BOUNDARY
	ACCESS ROUTE
	PIPELINES
	SHIP CHANNEL MARKER 12
	SECTION LINES
	SECTION NUMBERS
	REFUGE BOUNDARY

NOTICE:
48 HOURS BEFORE DIGGING
CALL 1-800-272-3020
TO LOCATE UTILITY LINES



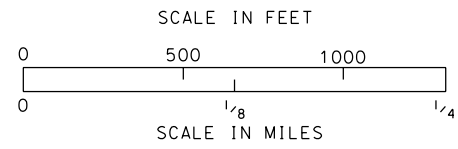
"AS-BUILT"
DATE OF COMPLETION 05/11/01

DESIGNED: C. LAFLEUR DRAWN: DWILMORE, P. COLE TRACED: C. LAFLEUR CHECKED: C. LAFLEUR	DATE: 06/02 DATE: 07/02 APPROVED BY: E.J. GIERING, III TITLE: STATE CONSERVATION ENGINEER	SITE MAP - LANDRIGHTS LAKE PORTAGE LANDBRIDGE PROJECT VERMILION PARISH, LOUISIANA										
U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REVISIONS</th> <th>DATE</th> <th>REV. NO.</th> <th>APPR.</th> <th>TITLE</th> </tr> </thead> <tbody> <tr> <td> </td> <td>12/20/04</td> <td>A3</td> <td> </td> <td> </td> </tr> </tbody> </table>	REVISIONS	DATE	REV. NO.	APPR.	TITLE		12/20/04	A3		
REVISIONS	DATE	REV. NO.	APPR.	TITLE								
	12/20/04	A3										
CAD FILENAME: LA31102A3.DGN PROJECT NO.: LA311		SHEET NO. 2 OF 19										



"AS-BUILT"

DATE OF COMPLETION 05/11/04



PLAN VIEW
AREAS 1 AND 2

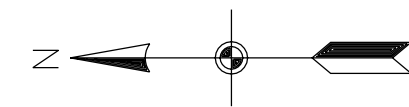
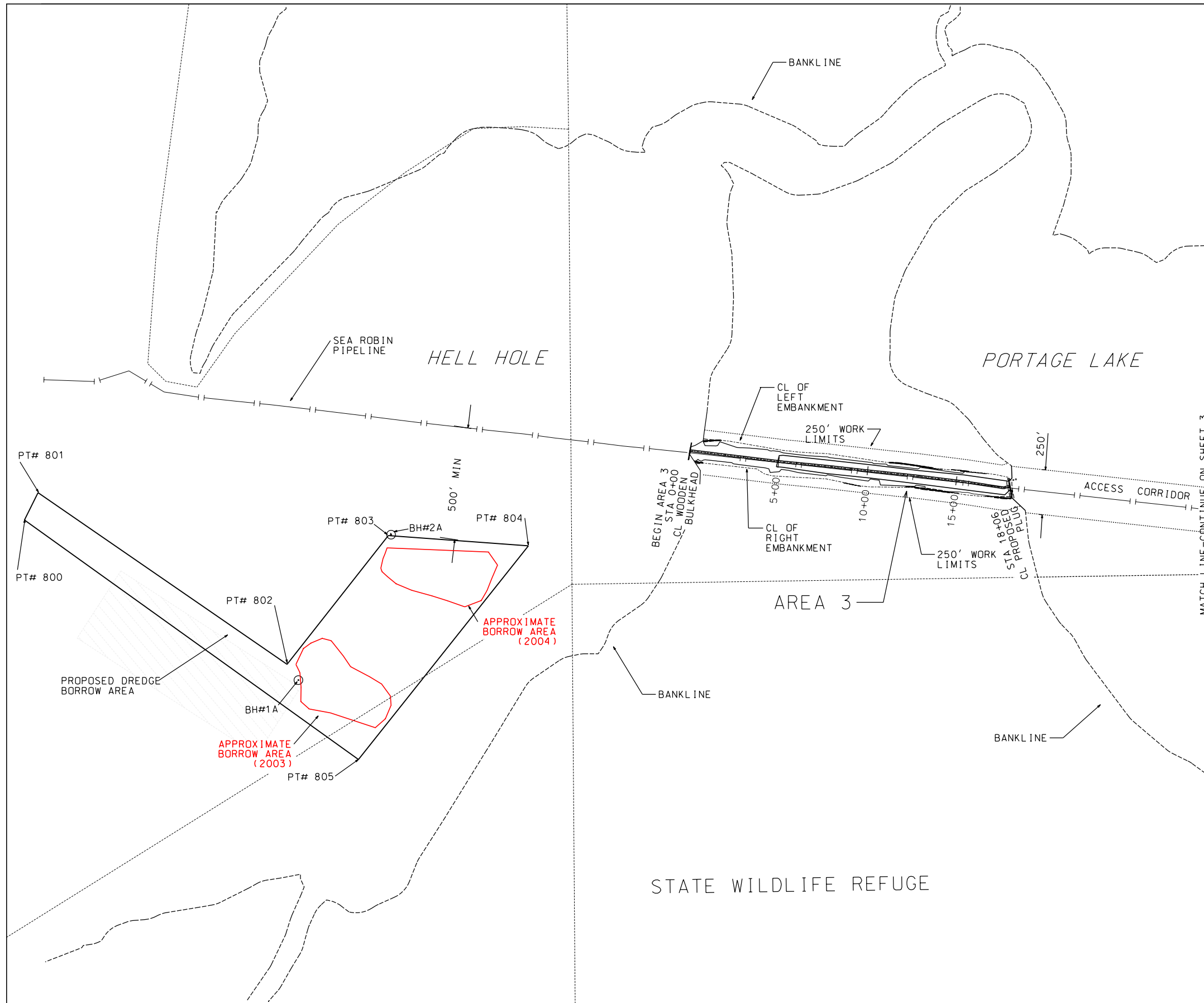
Designed	C.E. LAFLEUR	Date	06/02
Drawn	P. COLE	Approved by	F. J. GERING, III
Traced	C.E. LAFLEUR	Title	STATE CONSERVATION ENGINEER
Checked	C.E. LAFLEUR	Date	08/02
			ALEXANDRIA, LOUISIANA

**SITE PLAN-AREAS 1 AND 2
LAKE PORTAGE LANDBRIDGE PROJECT
VERMILION PARISH, LOUISIANA**

U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE

NO.	DATE	APPR.	TITLE

CAD FILENAME
LA311003.DGN
PROJECT NO.
LA311
SHEET NO. 03 OF 19



PIPELINE COORDINATE AND ELEVATION DATA SUPPLIED BY SEA ROBIN PIPELINE CO.

NORTHING	EASTING	ELEVATION
405265.583	3035665.706	-14.0
405452.714	3035688.415	-11.3
405625.316	3035708.467	-12.0
405815.446	3035735.609	-11.0
406002.969	3035760.086	-12.0
406173.312	3035785.594	-14.8
406375.987	3035809.996	-15.2
406587.429	3035837.634	-14.0
406787.268	3035863.252	-13.0
406983.654	3035891.582	-13.2
407182.061	3035919.838	-13.2
407387.136	3035947.873	-12.6
407591.411	3035974.843	-12.7
407788.637	3035998.324	-11.0
407999.679	3036025.428	-12.0
408187.355	3036057.228	-12.7
408382.508	3036178.753	-16.3
408572.595	3036122.307	-17.3
408797.778	3036134.589	-18.0
408988.437	3036158.288	-17.0

DATUM: ALL HORIZONTAL COORDINATES - NAD83
ALL VERTICAL COORDINATES - NAVD88

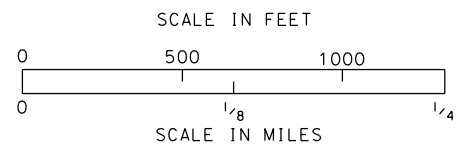
PROPOSED BORROW AREA COORDINATES

PT#	NORTHING	EASTING
800	408979.9498	3035349.3706
801	408901.4026	3035500.9423
802	407526.1496	3034513.9907
803	406945.8058	3035223.2499
804	406163.0081	3035150.8562
805	407136.9318	3033973.9236

NOTE:
SEE SHEET 19 OF 19 FOR TYPICAL CHANNEL SECTION OF DREDGE BORROW AREA

LEGEND

- POLITICAL BOUNDARY
- PIPELINES
- SECTION LINES
- APPROX. BANKLINE FROM AERIAL PHOTOGRAPH
- ⊙ BOREHOLE LOCATIONS
- WORK LIMITS



PLAN VIEW - AREA 3 AND PROPOSED BORROW AREA

"AS-BUILT"

DATE OF COMPLETION 05/11/04

	Date	08/02			
Approved by	F. J. GIERING, III	STATE CONSERVATION ENGINEER	Approved by	C. E. LAFLEUR	06/02
Title	STATE CONSERVATION ENGINEER	ALEXANDRIA, LOUISIANA	Title	C. E. LAFLEUR	07/02
Designed	C. E. LAFLEUR		Traced	C. E. LAFLEUR	
Drawn	P. COLE		Checked	C. E. LAFLEUR	
<p>SITE PLAN-AREA 3 & BORROW AREA LAKE PORTAGE LANDBRIDGE PROJECT VERMILION PARISH, LOUISIANA</p>					
<p>U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE</p>					
NO.	DATE	APPR.	TITLE		
CAD FILENAME LA311004.DGN					
PROJECT NO. LA311					
SHEET NO. 04 OF 19					

PC L2 (LEFT BANK)
R 10.00'
L 13.07'
T 7.66'
Delta 74°54'14"

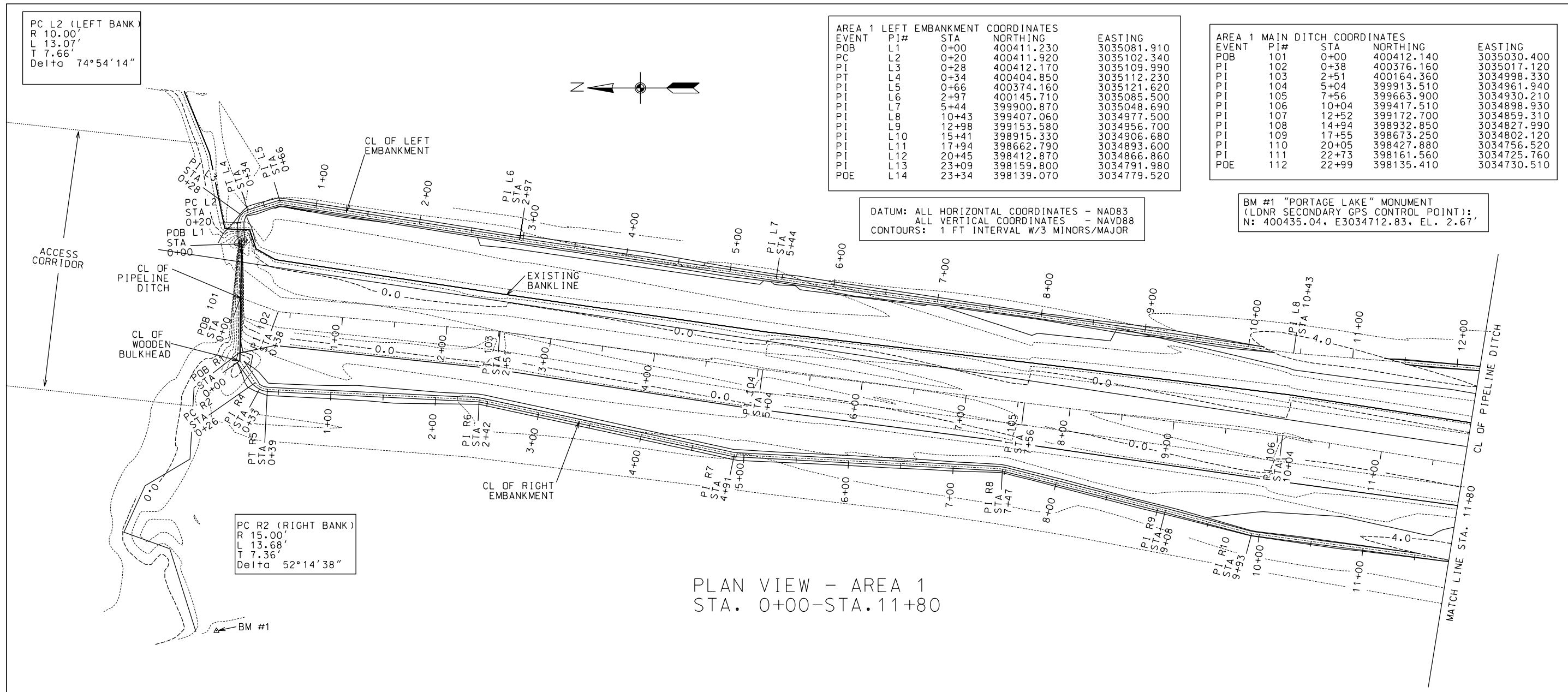
PC R2 (RIGHT BANK)
R 15.00'
L 13.68'
T 7.36'
Delta 52°14'38"

AREA 1 LEFT EMBANKMENT COORDINATES				
EVENT	PI#	STA	NORTHING	EASTING
POB	L1	0+00	400411.230	3035081.910
PC	L2	0+20	400411.920	3035102.340
PI	L3	0+28	400412.170	3035109.990
PT	L4	0+34	400404.850	3035112.230
PI	L5	0+66	400374.160	3035121.620
PI	L6	2+97	400145.710	3035085.500
PI	L7	5+44	399900.870	3035048.690
PI	L8	10+43	399407.060	3034977.500
PI	L9	12+98	399153.580	3034956.700
PI	L10	15+41	398915.330	3034906.680
PI	L11	17+94	398662.790	3034893.600
PI	L12	20+45	398412.870	3034866.860
PI	L13	23+09	398159.800	3034791.980
POE	L14	23+34	398139.070	3034779.520

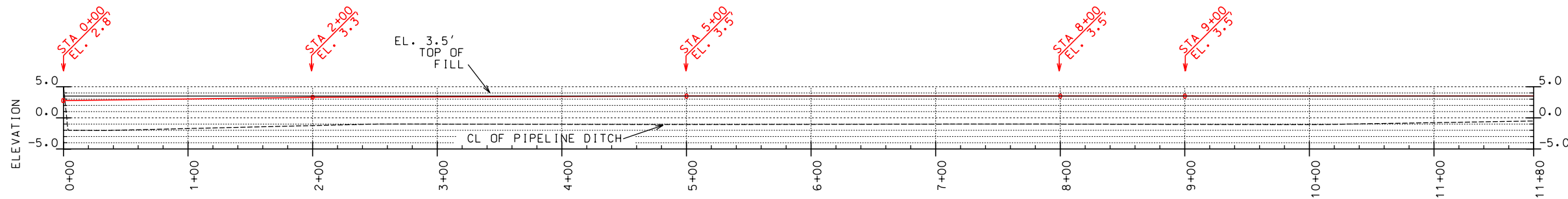
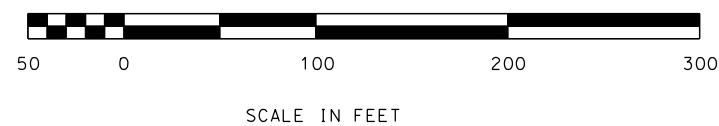
AREA 1 MAIN DITCH COORDINATES				
EVENT	PI#	STA	NORTHING	EASTING
POB	101	0+00	400412.140	3035030.400
PI	102	0+38	400376.160	3035017.120
PI	103	2+51	400164.360	3034998.330
PI	104	5+04	399913.510	3034961.940
PI	105	7+56	399663.900	3034930.210
PI	106	10+04	399417.510	3034898.930
PI	107	12+52	399172.700	3034859.310
PI	108	14+94	398932.850	3034827.990
PI	109	17+55	398673.250	3034802.120
PI	110	20+05	398427.880	3034756.520
PI	111	22+73	398161.560	3034725.760
POE	112	22+99	398135.410	3034730.510

DATUM: ALL HORIZONTAL COORDINATES - NAD83
ALL VERTICAL COORDINATES - NAVD88
CONTOURS: 1 FT INTERVAL W/3 MINORS/MAJOR

BM #1 "PORTAGE LAKE" MONUMENT
(LDNR SECONDARY GPS CONTROL POINT):
N: 400435.04, E3034712.83, EL. 2.67'



PLAN VIEW - AREA 1
STA. 0+00-STA. 11+80

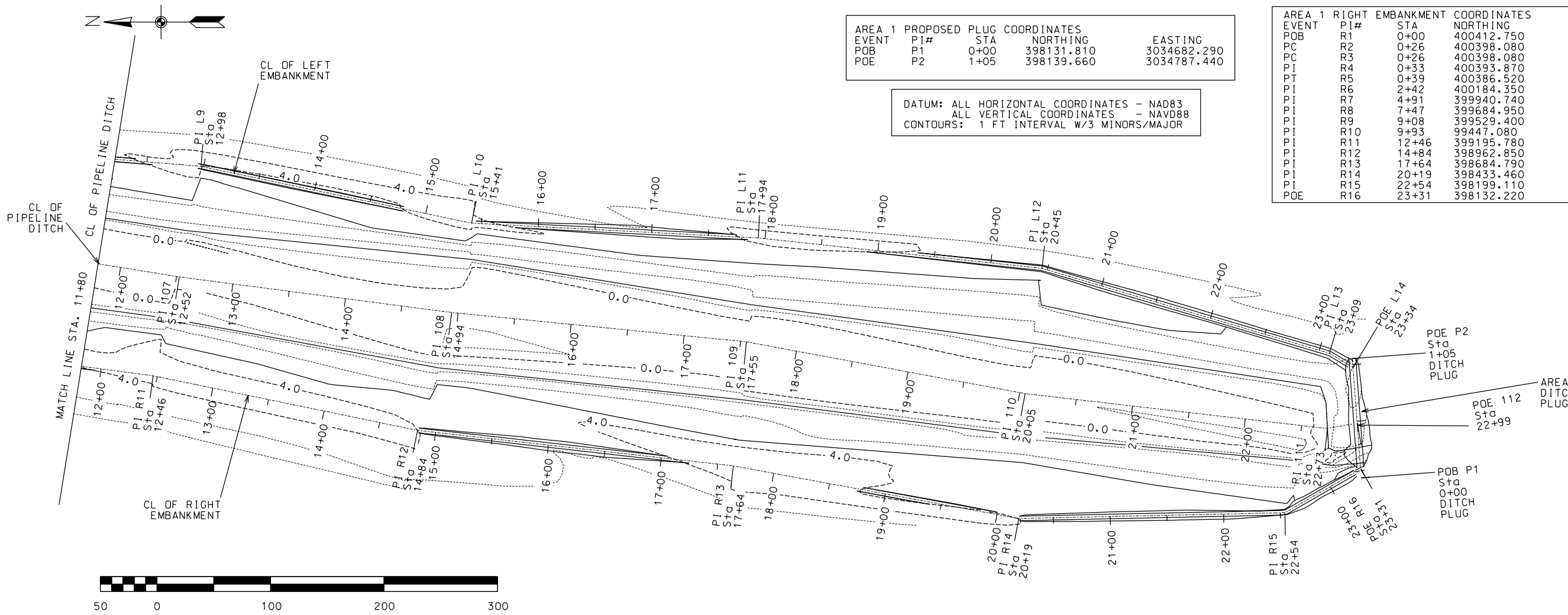


PROFILE - AREA 1
CL OF PIPELINE DITCH
STA. 0+00-STA. 11+80

"AS-BUILT"
DATE OF COMPLETION 05/11/04

NOTE:
SEE SHEET 03 OF 19 FOR WORK LIMITS
SEE SHEET 06 OF 19 FOR RIGHT EMBANKMENT ALIGNMENT AND DITCH PLUG COORDINATES.
SEE SHEET 16 OF 19 FOR PROPOSED EARTHEN PLUG DETAILS
SEE SHEET 17 OF 19 FOR EMBANKMENT DETAILS.

AREA 1 PLAN & PROFILE STA. 0+00-STA 11+80 LAKE PORTAGE LAND BRIDGE PROJECT VERMILION PARISH, LOUISIANA		Date: 08/02 Approved by: E. J. GERBER, III Title: STATE CONSERVATION ENGINEER ALEXANDRIA, LOUISIANA
Designed: C.E. LAFLEUR Drawn: P. COLE Traced: C.E. LAFLEUR Checked: C.E. LAFLEUR	Date: 05/02 Date: 05/02 Date: 07/02	Title: STATE CONSERVATION ENGINEER Title: STATE CONSERVATION ENGINEER Title: STATE CONSERVATION ENGINEER
U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE		
REVISIONS NO. DATE APP. PR. TITLE	CAD FILENAME: AREA1CUTSHEETS PROJECT NO.: LA311 SHEET NO 05 OF 19	

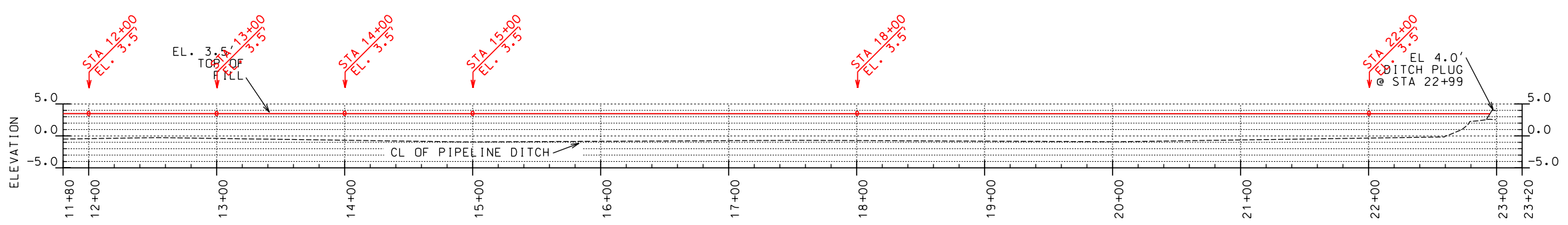


AREA 1 PROPOSED PLUG COORDINATES				
EVENT	PI#	STA	NORTHING	EASTING
POB	P1	0+00	398131.810	3034682.290
POE	P2	1+05	398139.660	3034787.440

DATUM: ALL HORIZONTAL COORDINATES - NAD83
 ALL VERTICAL COORDINATES - NAVD88
 CONTOURS: 1 FT INTERVAL W/3 MINORS/MAJOR

AREA 1 RIGHT EMBANKMENT COORDINATES				
EVENT	PI#	STA	NORTHING	EASTING
PC	R1	0+00	400412.750	3034970.320
PC	R2	0+26	400398.080	3034949.340
PC	R3	0+26	400398.080	3034949.340
PI	R4	0+33	400393.870	3034943.320
PT	R5	0+39	400386.520	3034942.960
PI	R6	2+42	400184.350	3034933.080
PI	R7	4+91	399940.740	3034880.650
PI	R8	7+47	399684.950	3034867.110
PI	R9	9+08	399529.400	3034827.450
PI	R10	9+93	99447.080	3034805.390
PI	R11	12+46	399195.780	3034772.270
PI	R12	14+84	398962.850	3034724.150
PI	R13	17+64	398684.790	3034692.860
PI	R14	20+19	398433.460	3034646.530
PI	R15	22+54	398199.110	3034651.590
POE	R16	23+31	398132.220	3034690.070

PLAN VIEW - AREA 1
 STA. 11+80-STA. 22+99

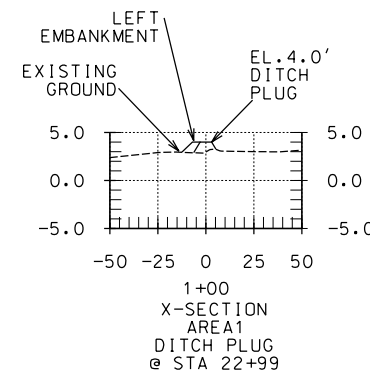
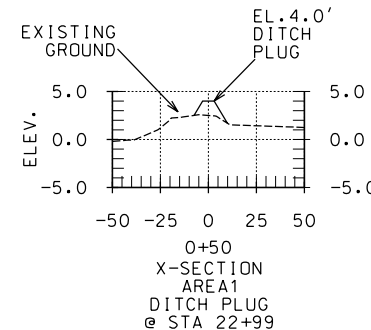
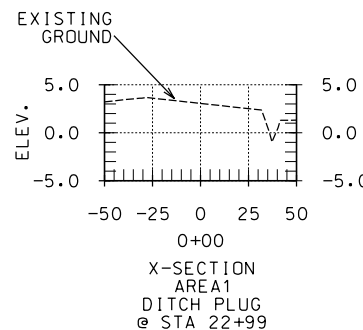
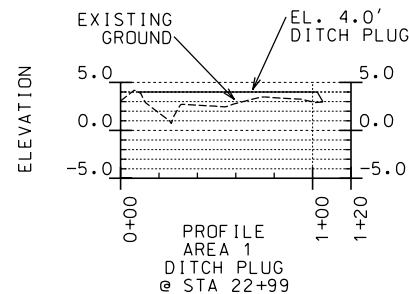
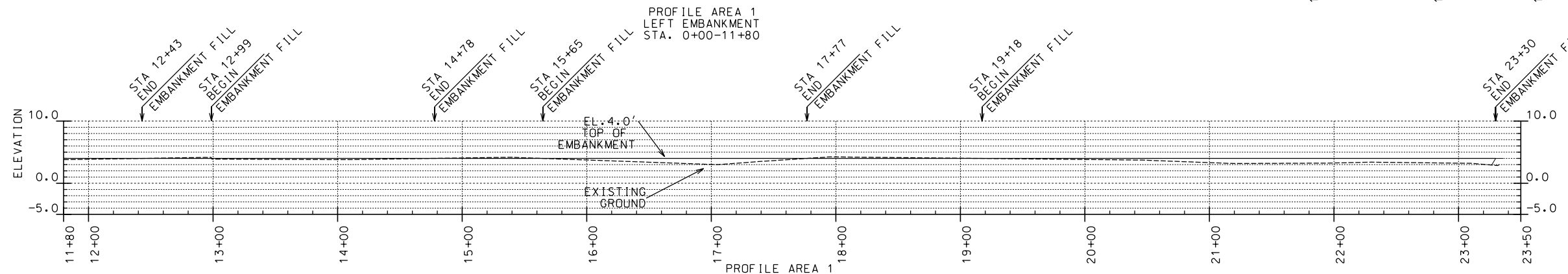
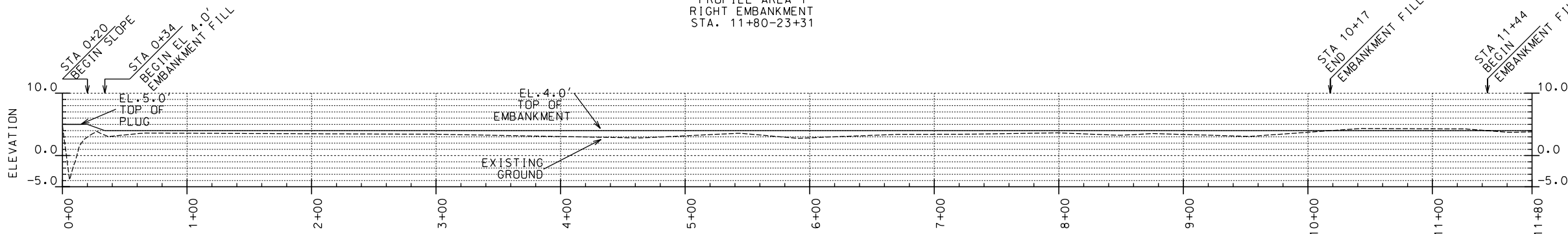
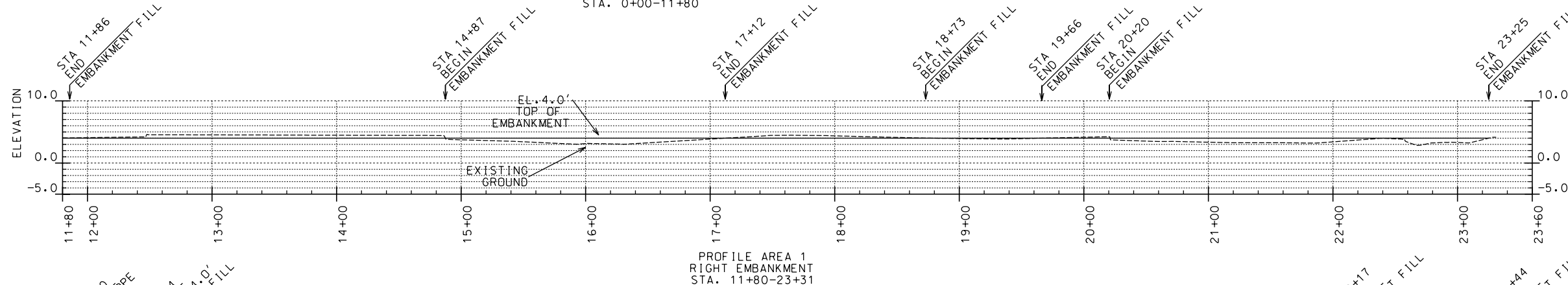
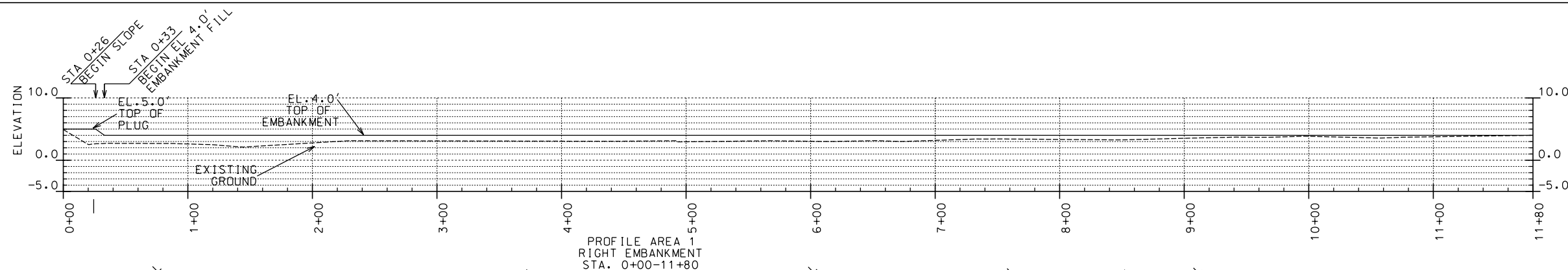


PROFILE - AREA 1
 CL OF PIPELINE DITCH
 STA. 11+80-STA. 22+99

NOTE:
 SEE SHEET 03 OF 19 FOR WORK LIMITS
 SEE SHEET 05 OF 19 FOR MAIN DITCH AND LEFT EMBANKMENT ALIGNMENT COORDINATES.
 SEE SHEET 16 OF 19 FOR EARTHEN PLUG DETAILS.
 SEE SHEET 17 OF 19 FOR EMBANKMENT DETAILS.

"AS-BUILT"
 DATE OF COMPLETION 05/11/04

AREA 1 PLAN & PROFILE STA. 11+80-STA. 22+99 LAKE PORTAGE LAND BRIDGE PROJECT VERMILION PARISH, LOUISIANA		Date: 08/02 Approved by: E. J. CIERING, III Title: STATE CONSERVATION ENGINEER Location: ALEXANDRIA, LOUISIANA
Designed: C. E. LAFLEUR Drawn: P. COLE Traced: C. E. LAFLEUR Checked: C. E. LAFLEUR	Date: 05/02 Title: 05/02 Date: 07/02 Title: 07/02	U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE
REVISIONS NO. DATE APPR. TITLE	CAD FILENAME AREA1CUTSHT PROJECT NO. LA311 SHEET NO. 6 OF 19	



NOTE:
 EMBANKMENT FILL STATIONS ARE APPROXIMATE. BEGIN AND END AREAS SHALL BE STAKED IN THE FIELD BY THE COTR

"AS-BUILT"
 DATE OF COMPLETION 05/11/04

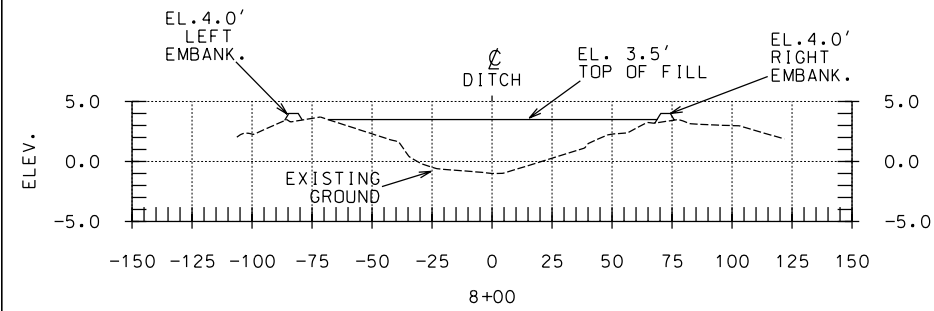
REVISIONS		TITLE
NO.	DATE / APPR.	

AREA 1 PROFILE-DITCH PLUG, LEFT AND RIGHT EMBANKMENTS. LAKE PORTAGE LAND BRIDGE PROJECT VERMILION PARISH, LOUISIANA

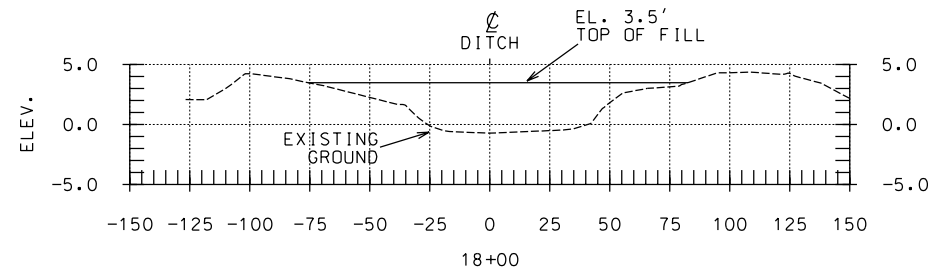
Designed	C. E. LAFLEUR	Date	07/02
Drawn	P. COLE	Approved by	E. J. GIERING, III
Traced		Title	STATE CONSERVATION ENGINEER
Checked	C. E. LAFLEUR		ALCANDRIA, LOUISIANA

U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE

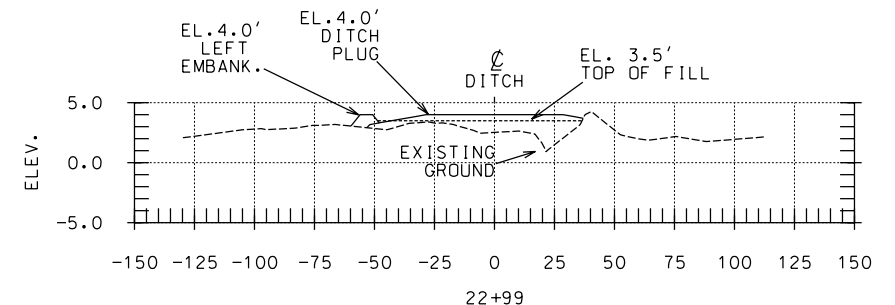
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 PROJECT NO. LA311
 SHEET NO. Q7 OF 19



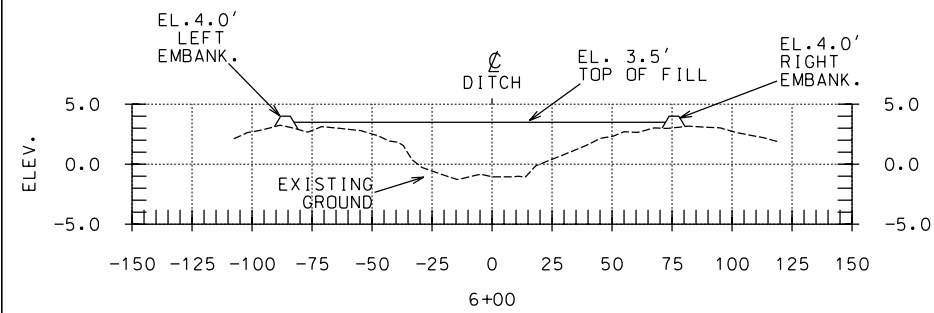
XSECT-AREA 1



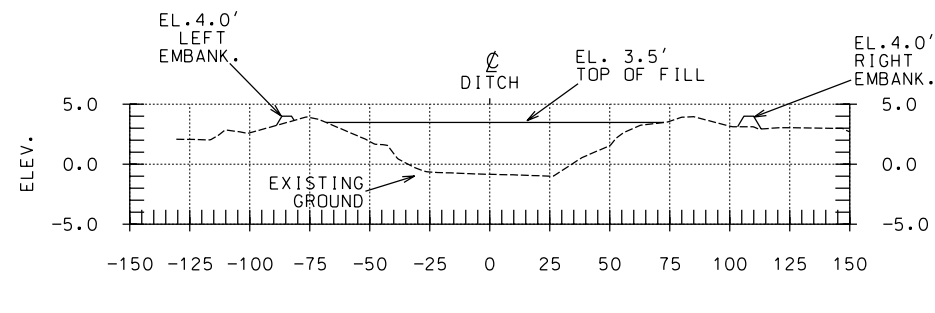
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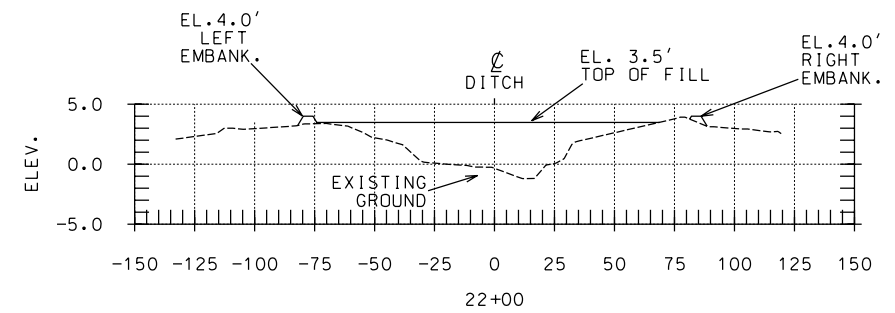
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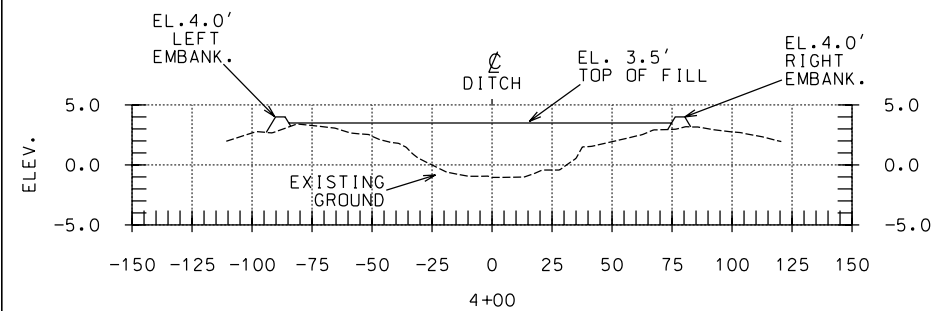
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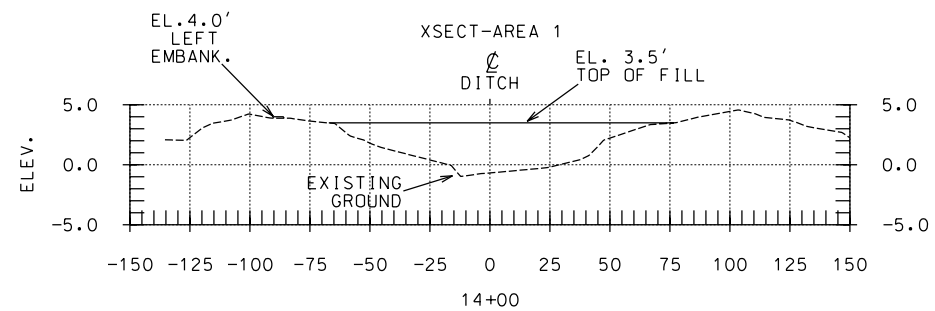
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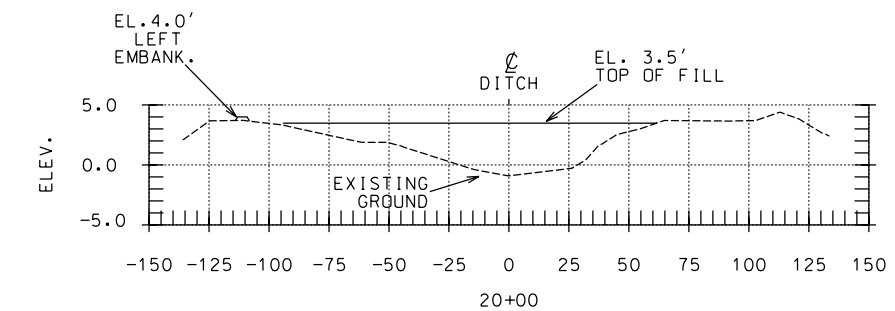
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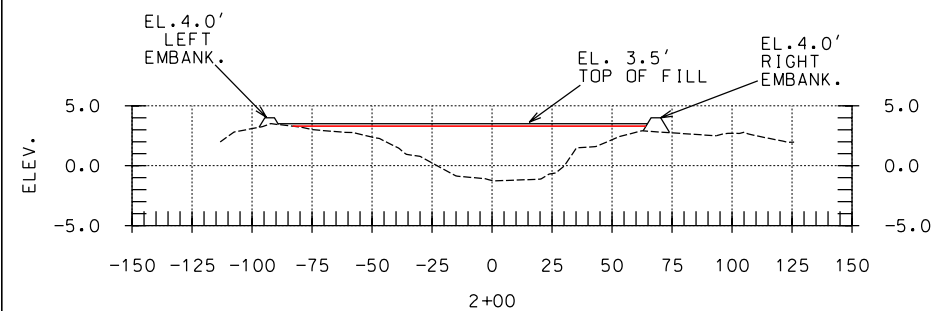
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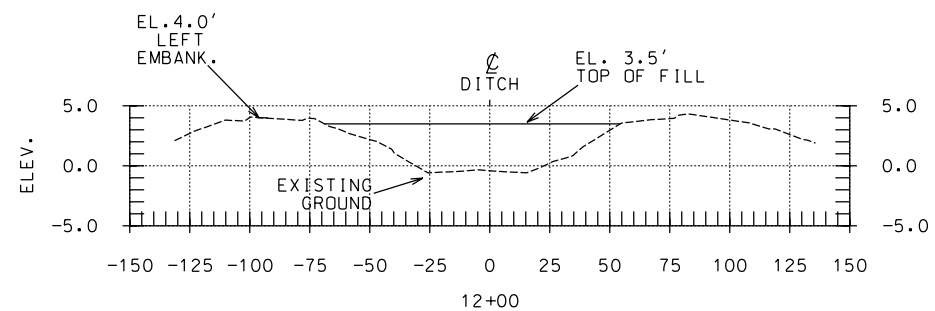
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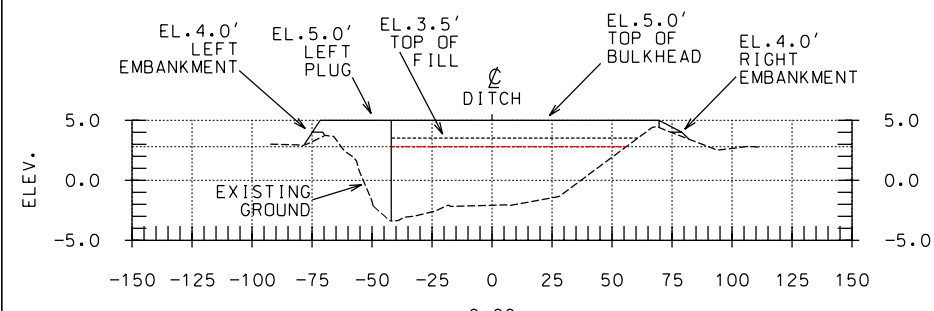
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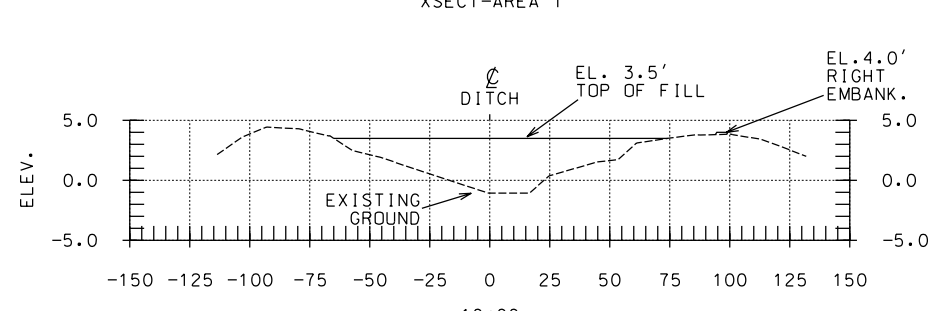
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XSECT-AREA 1



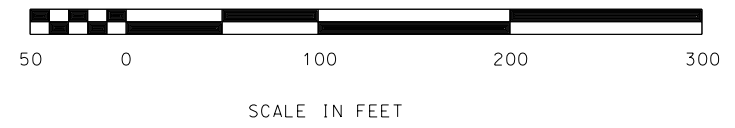
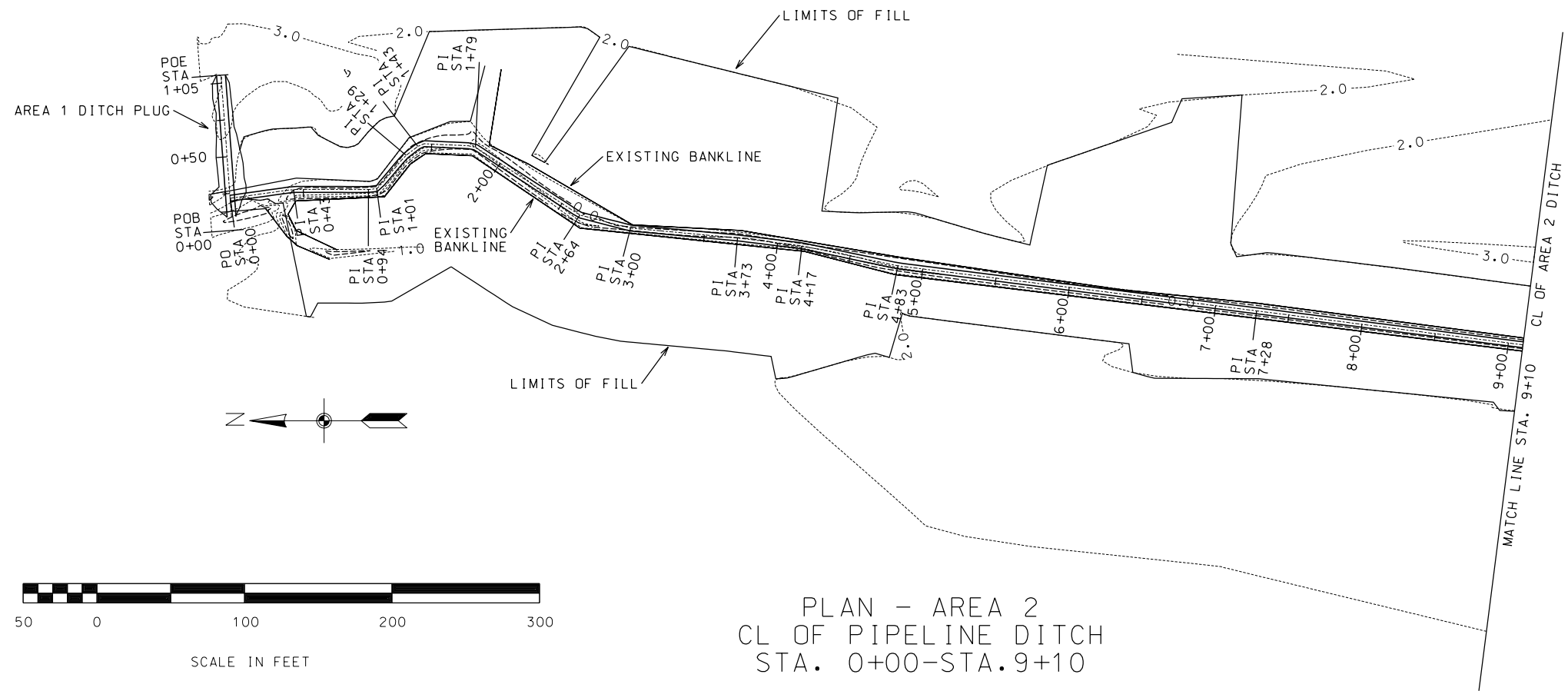
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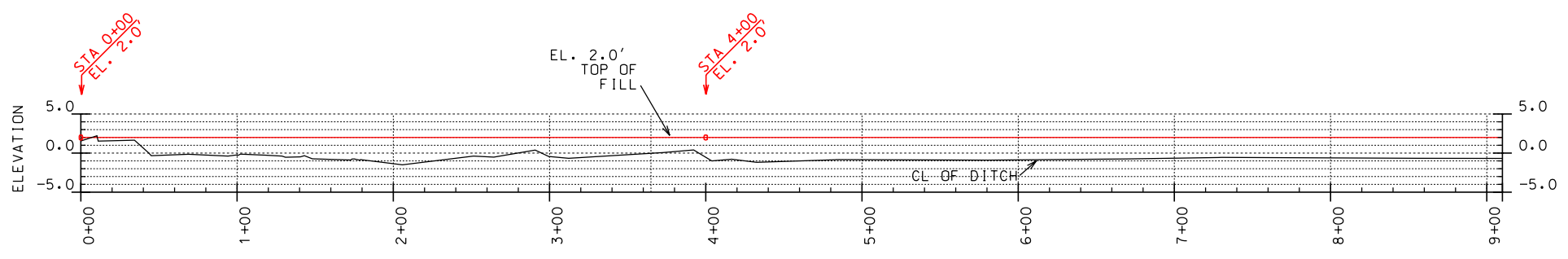
XSECT-AREA 1

"AS-BUILT"
DATE OF COMPLETION 05/11/04

Date		08/02	
Approved by		E. J. GIERING, III	
Title		STATE CONSERVATION ENGINEER	
Location		ALEXANDRIA, LOUISIANA	
Date		05/02	
Designed		C. E. LAFLEUR	
Drawn		P. COLE	
Traced		C. E. LAFLEUR	
Checked		C. E. LAFLEUR	
Date		07/02	
Title		STATE CONSERVATION ENGINEER	
Location		ALEXANDRIA, LOUISIANA	
AREA 1 XSECT. STA. 0+00-STA. 22+99 LAKE PORTAGE LAND BRIDGE PROJECT VERMILION PARISH, LOUISIANA			
U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE			
NO.	DATE / APPR.	TITLE	
CAD FILENAME LA311008			
PROJECT NO. LA311			
SHEET NO 08 OF 19			



PLAN - AREA 2
CL OF PIPELINE DITCH
STA. 0+00-STA.9+10



PROFILE - AREA 2
CL OF PIPELINE DITCH
STA. 0+00-STA.9+10

AREA 2 DITCH COORDINATES				
EVENT	PI#	STA	NORTHING	EASTING
POB	201	0+00	398133.430	3034704.070
PI	202	0+43	398090.600	3034710.080
PI	203	0+94	398039.720	3034709.960
PI	204	1+01	398033.410	3034710.780
PI	205	1+43	398003.880	3034741.100
PI	206	1+78	397968.500	3034739.510
PI	207	2+64	397896.500	3034692.710
PI	208	3+00	397862.140	3034683.880
PI	209	3+73	397789.600	3034677.200
PI	210	4+17	397745.940	3034671.830
PI	211	4+83	397680.960	3034658.280
PI	212	7+28	397437.870	3034627.790
PI	213	9+90	397178.330	3034594.680
PI	214	12+46	396924.730	3034554.820
PI	215	14+71	396702.650	3034524.240
PI	216	17+32	396443.710	3034489.660
POE	217	18+26	396349.460	3034489.410

DATUM: ALL HORIZONTAL COORDINATES - NAD83
ALL VERTICAL COORDINATES - NAVD88
CONTOURS: 1 FT INTERVAL W/3 MINORS/MAJOR

NOTE:
SEE SHEET 03 OF 19 FOR WORK LIMITS
SEE SHEET 11 OF 19 FOR CROSS-SECTIONS.

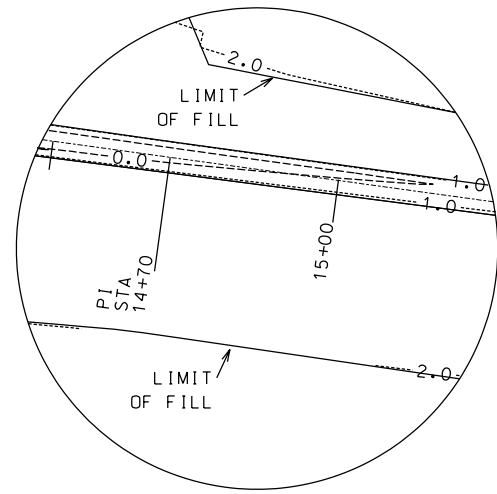
DESIGNED BY	C. E. LAFLEUR	DATE	05/02
DRAWN BY	P. COLE	APPROVED BY	E. J. OBERNICK III
TRACED BY	C. E. LAFLEUR	TITLE	STATE CONSERVATION NUMBER
CHECKED BY	C. E. LAFLEUR	TITLE	ALEXANDRIA, LOUISIANA
DATE	07/02	TITLE	

AREA 2 PLAN & PROFILE
STA. 0+00-STA. 9+10
LAKE PORTAGE LAND BRIDGE PROJECT
VERMILION PARISH, LOUISIANA
U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE

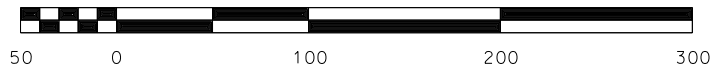
NO.	DATE	APPR.	TITLE

CAD FILENAME
LA311009
PROJECT NO.
LA311
SHEET NO 9 OF 19

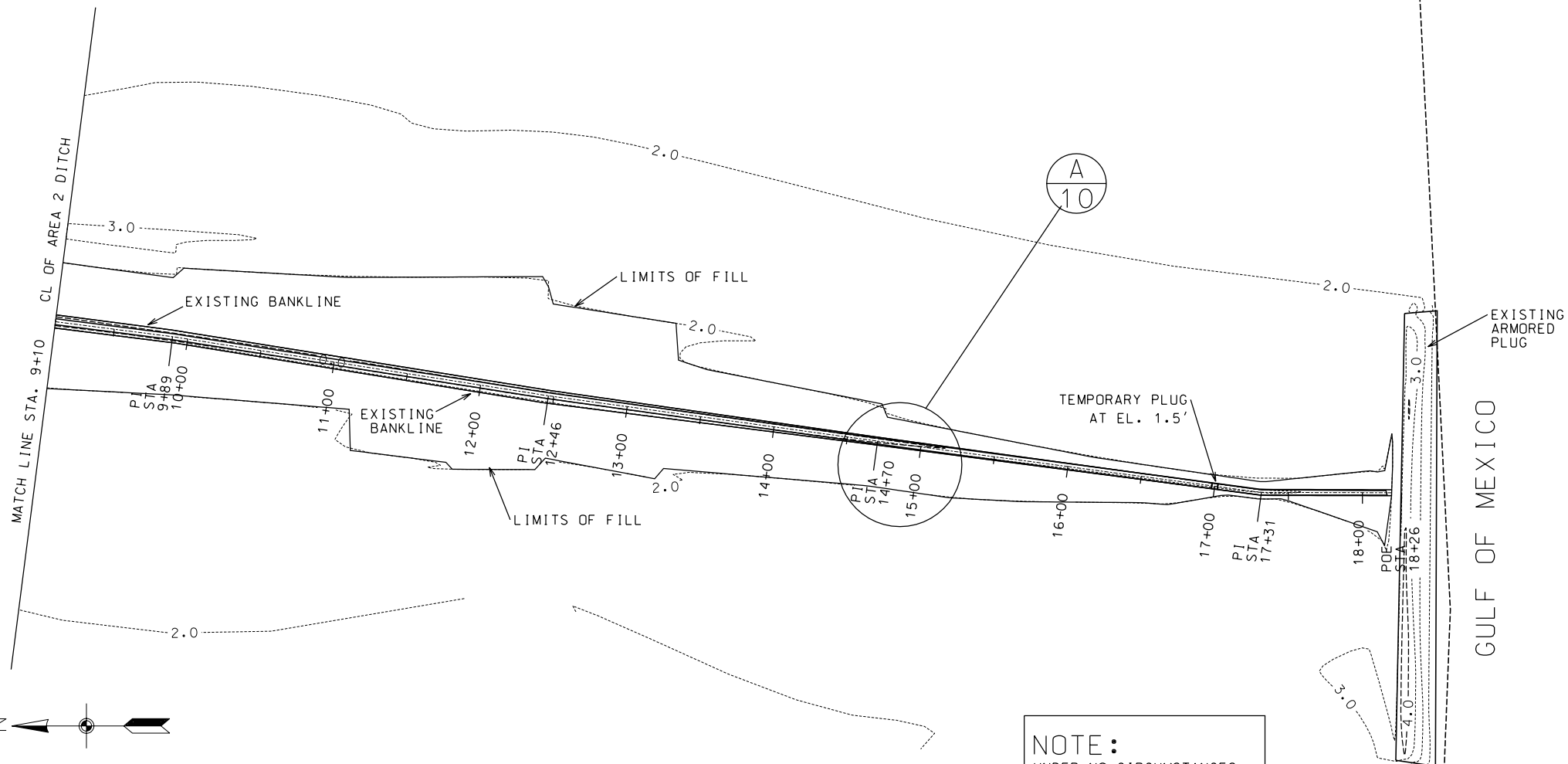
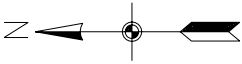
"AS-BUILT"
DATE OF COMPLETION 05/11/04



DETAIL
DITCH CONTOURS

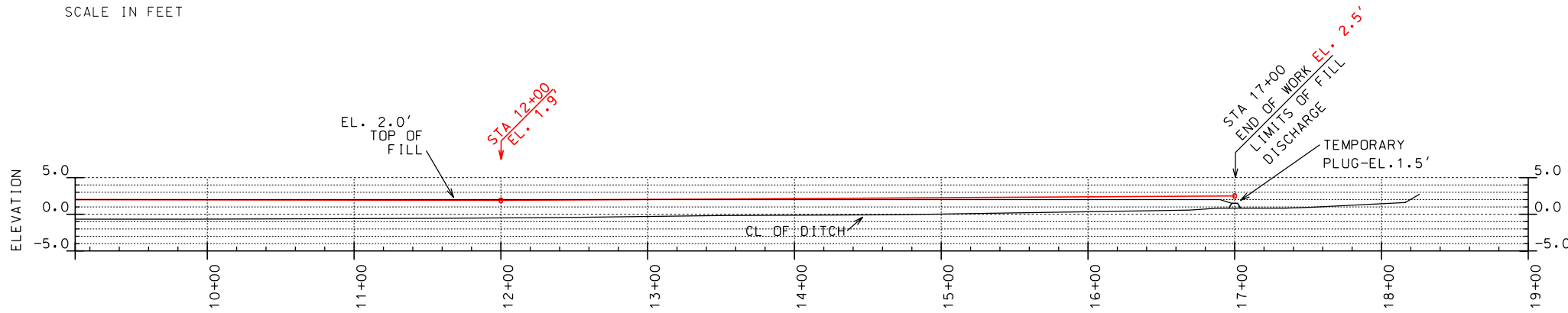


SCALE IN FEET



PLAN - AREA 2
CL OF PIPELINE DITCH
STA 9+10- STA 18+26

NOTE:
UNDER NO CIRCUMSTANCES
SHALL FILL MATERIAL BE
ALLOWED TO BE DISCHARGED
BEYOND STA 18+26 INTO
THE GULF OF MEXICO.



PROFILE - AREA 2
CL OF PIPELINE DITCH
STA 9+10-STA 18+26

DATUM: ALL HORIZONTAL COORDINATES - NAD83
ALL VERTICAL COORDINATES - NAVD88
CONTOURS: 1 FT INTERVAL W/3 MINORS/MAJOR

NOTE:
SEE SHEET 03 OF 19 FOR WORK LIMITS
SEE SHEET 11 OF 19 FOR CROSS-SECTIONS.

"AS-BUILT"

DATE OF COMPLETION 05/11/04

Designed	C.E. LAFLEUR	Date	05/02
Drawn	P. COLE	Approved by	F. J. GIERING, III
Traced		Title	STATE CONSERVATION ENGINEER
Checked	C.E. LAFLEUR	Date	08/02
		Title	ALEXANDRIA, LOUISIANA

AREA 2 PLAN & PROFILE
STA. 9+10-STA 18+26
LAKE PORTAGE LAND BRIDGE PROJECT
VERMILION PARISH, LOUISIANA

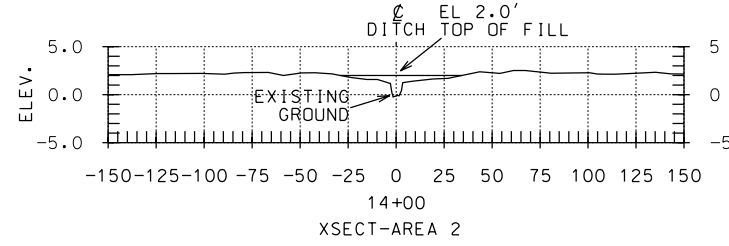
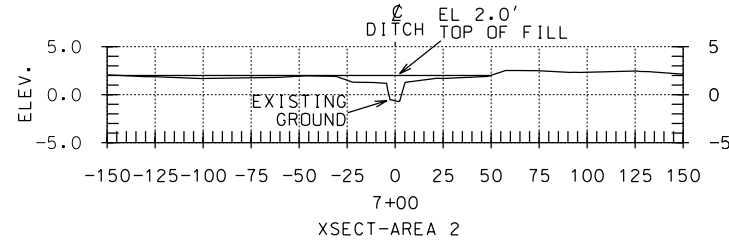
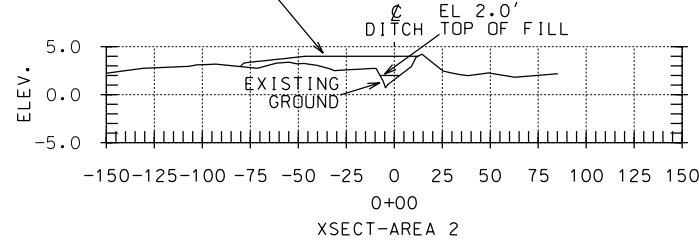
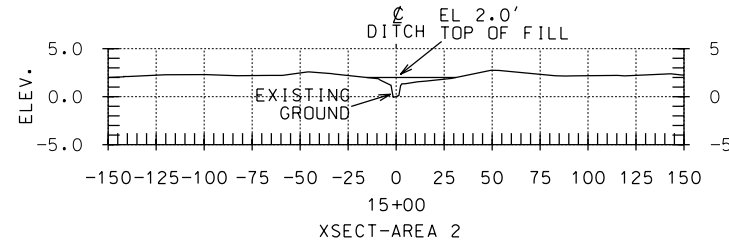
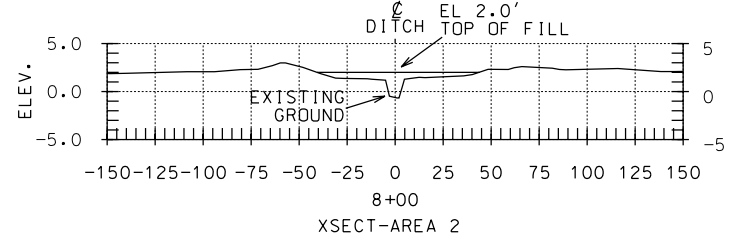
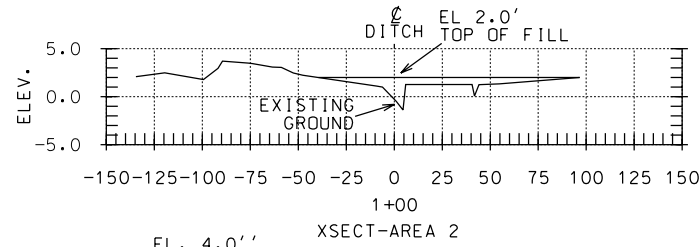
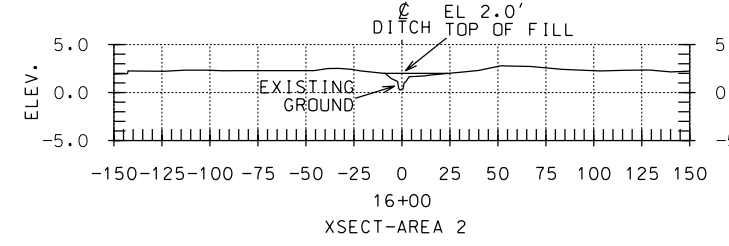
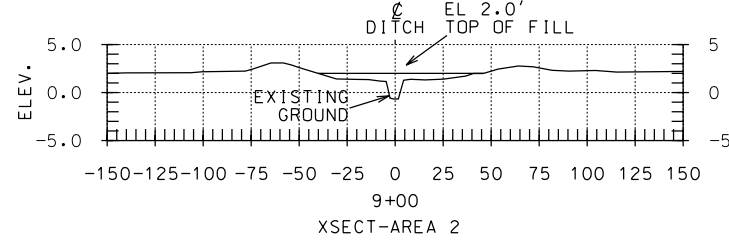
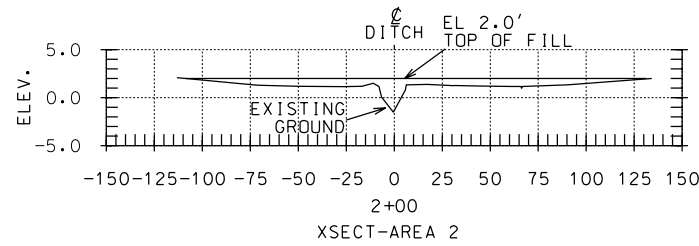
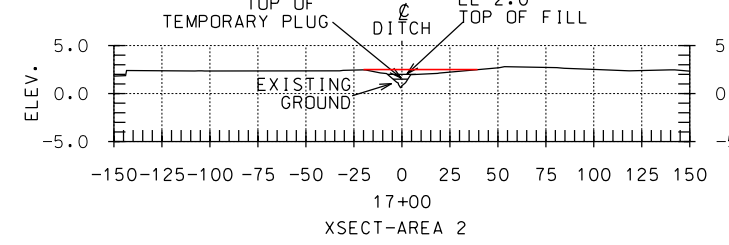
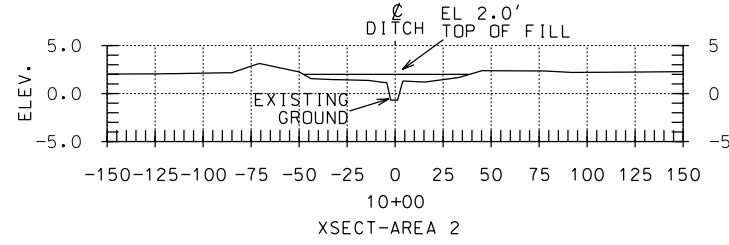
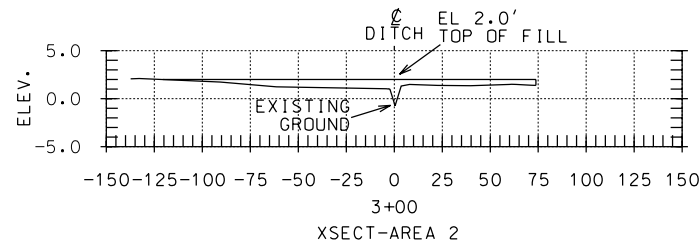
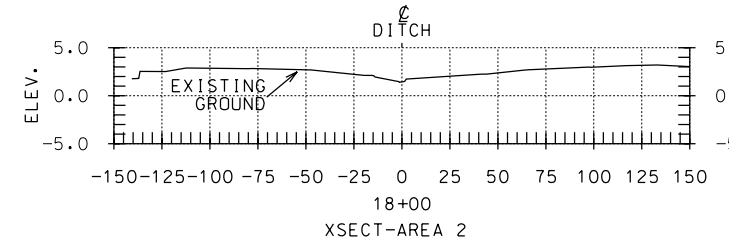
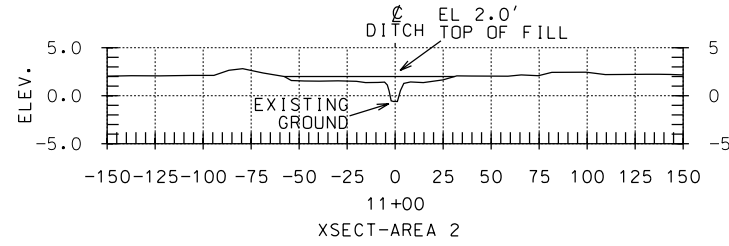
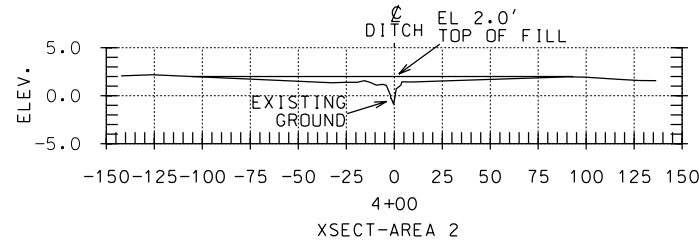
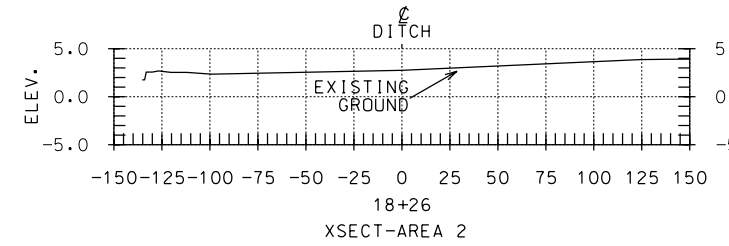
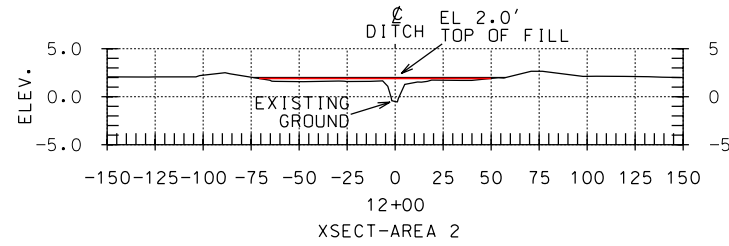
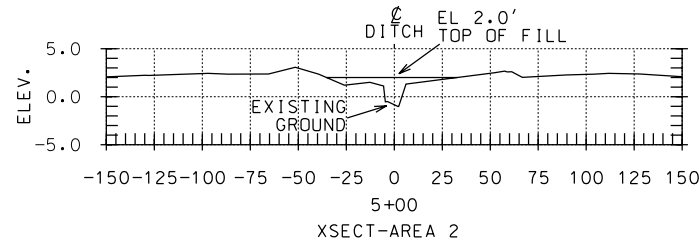
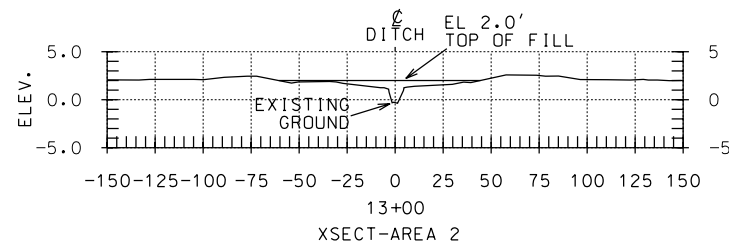
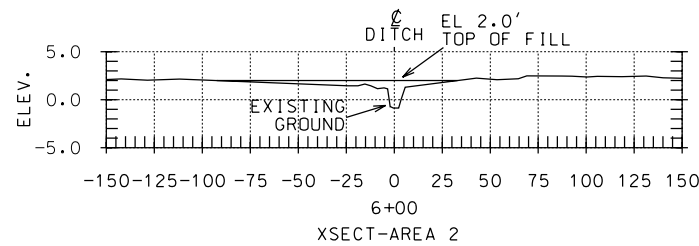
NO.	DATE	APPR.	TITLE

U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE

CAD FILENAME
LA311010

PROJECT NO.
LA311

SHEET NO 10 OF 19



"AS-BUILT"
DATE OF COMPLETION 05/11/04

REVISIONS		TITLE	
NO.	DATE	APPR.	TITLE

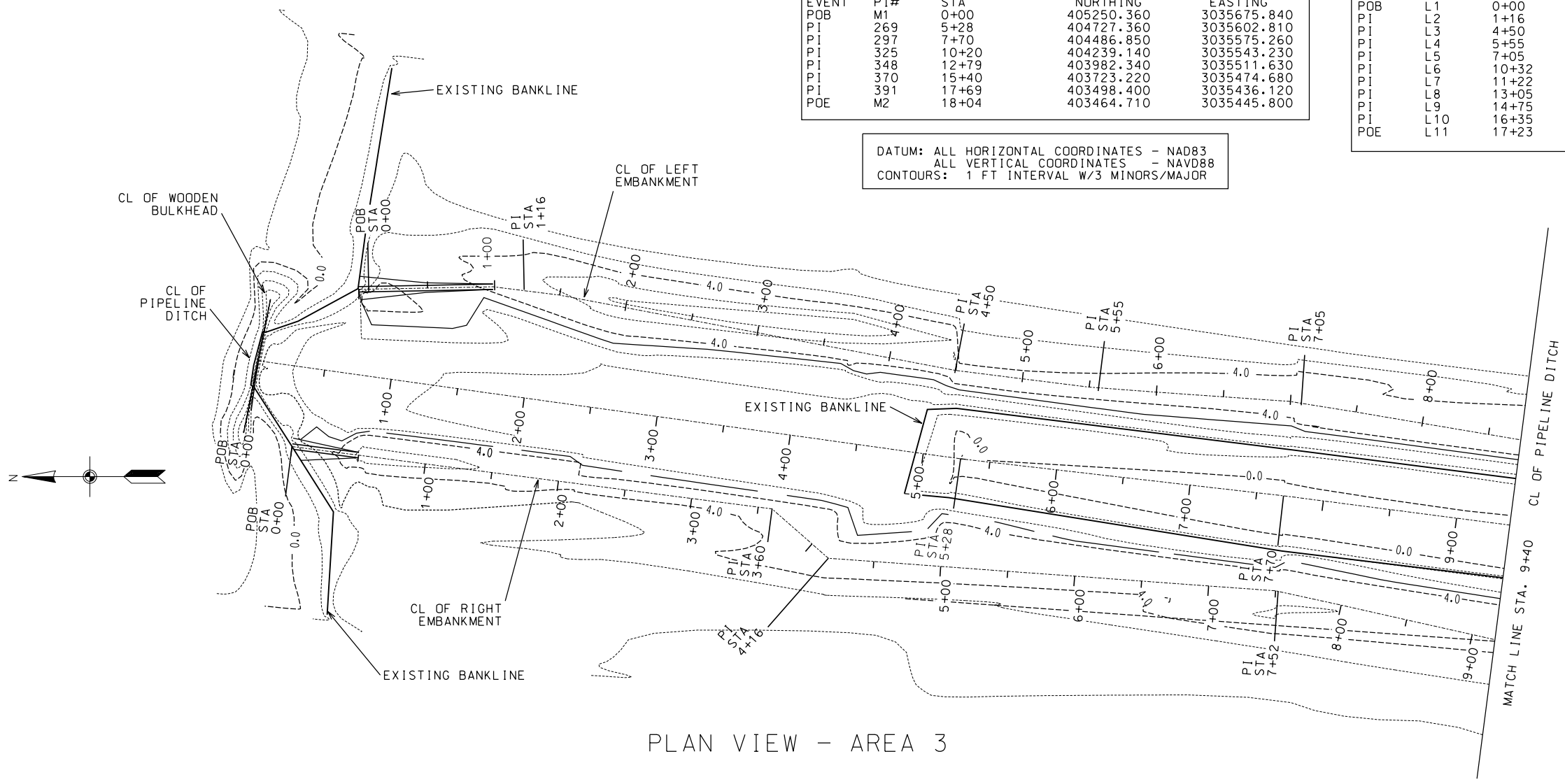
DESIGNED	C. E. LAFLEUR	DATE	05/02
DRAWN	P. COLE	APPROVED BY	E. J. CIERING, III
TRACED	C. E. LAFLEUR	TITLE	STATE CONSERVATION ENGINEER
CHECKED	C. E. LAFLEUR	TITLE	ALEXANDRIA, LOUISIANA
		DATE	08/02

AREA 2 XSECT. STA. 0+00-STA. 18+26	
LAKE PORTAGE LAND BRIDGE PROJECT	
VERMILION PARISH, LOUISIANA	
U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE	
CAD FILENAME	LA311011
PROJECT NO.	LA311
SHEET NO.	11 OF 19

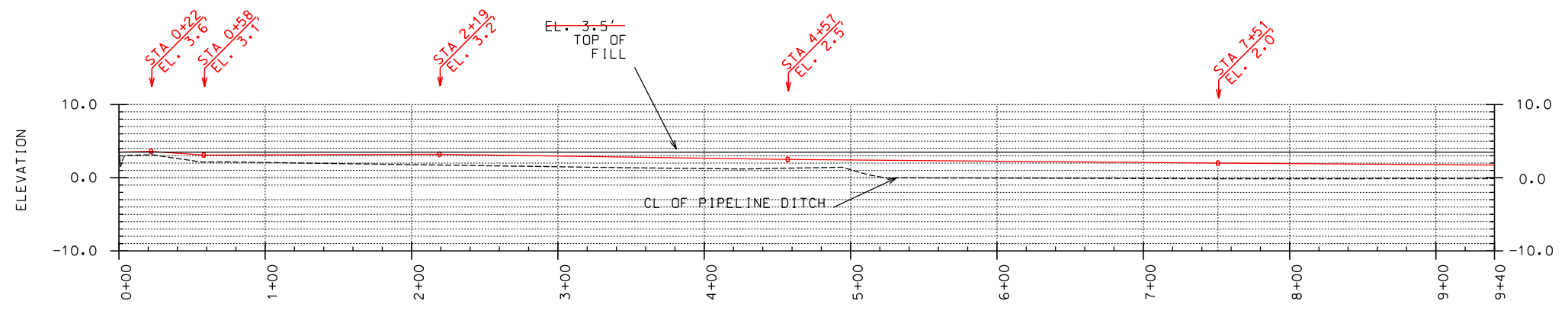
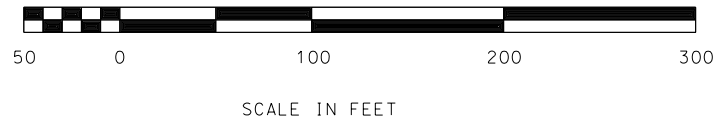
AREA 3 MAIN DITCH COORDINATES				
EVENT	PI#	STA	NORTHING	EASTING
POB	M1	0+00	405250.360	3035675.840
PI	269	5+28	404727.360	3035602.810
PI	297	7+70	404486.850	3035575.260
PI	325	10+20	404239.140	3035543.230
PI	348	12+79	403982.340	3035511.630
PI	370	15+40	403723.220	3035474.680
PI	391	17+69	403498.400	3035436.120
PDE	M2	18+04	403464.710	3035445.800

AREA 3 LEFT EMBANKMENT COORDINATES				
EVENT	PI#	STA	NORTHING	EASTING
POB	L1	0+00	405175.450	3035729.030
PI	L2	1+16	405059.810	3035731.250
PI	L3	4+50	404731.390	3035668.690
PI	L4	5+55	404627.000	3035655.610
PI	L5	7+05	404477.900	3035645.270
PI	L6	10+32	404155.610	3035590.850
PI	L7	11+22	404065.960	3035583.270
PI	L8	13+05	403884.870	3035552.270
PI	L9	14+75	403716.470	3035533.880
PI	L10	16+35	403556.900	3035514.850
PDE	L11	17+23	403471.910	3035494.960

DATUM: ALL HORIZONTAL COORDINATES - NAD83
 ALL VERTICAL COORDINATES - NAVD88
 CONTOURS: 1 FT INTERVAL W/3 MINORS/MAJOR



PLAN VIEW - AREA 3

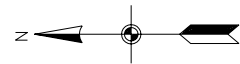


PROFILE - AREA 3
 CL OF PIPELINE DITCH

NOTE:
 SEE SHEET 04 OF 19 FOR WORK LIMITS
 SEE SHEET 13 OF 19 FOR RIGHT EMBANKMENT ALIGNMENT AND DITCH PLUG COORDINATES.
 SEE SHEET 14 OF 19 FOR CROSS SECTIONS
 SEE SHEET 17 OF 19 FOR EMBANKMENT DETAILS
 SEE SHEET 18 OF 18 FOR PROPOSED EARTHEN PLUG DETAILS.

"AS-BUILT"
 DATE OF COMPLETION 05/11/04

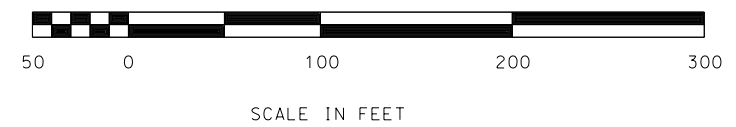
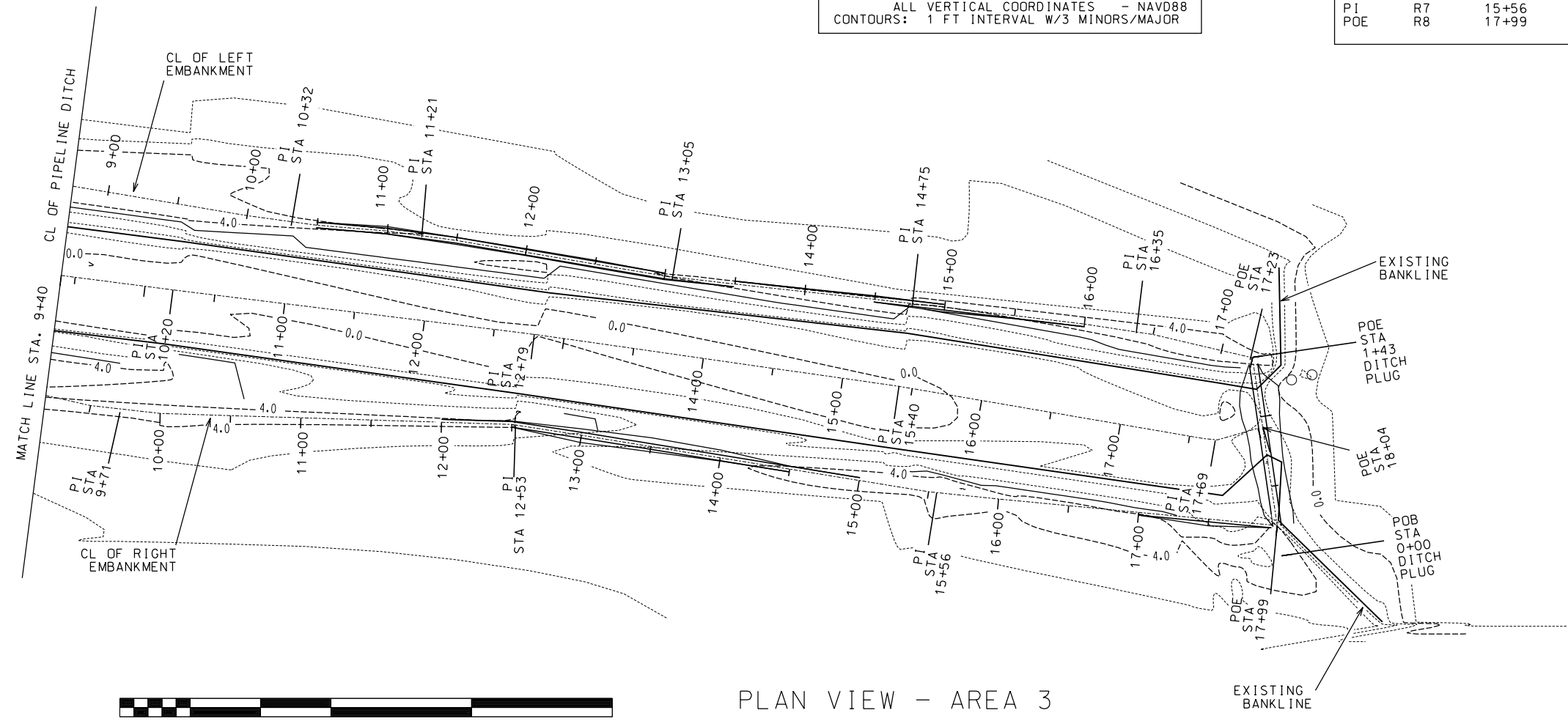
Date		08/02
Approved by		E. J. CIERING, III
Title		STATE CONSERVATION ENGINEER
Date		05/02
Designed		C. E. LAFLEUR
Drawn		P. COLE
Traced		C. E. LAFLEUR
Checked		C. E. LAFLEUR
Date		07/02
Title		
AREA 3 PLAN & PROFILE STA. 0+00-STA 9+40 LAKE PORTAGE LAND BRIDGE PROJECT VERMILION PARISH, LOUISIANA		
U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE		
REVISIONS	NO.	DATE / APPR.
CAD FILENAME		
LA311012		
PROJECT NO.		
LA311		
SHEET NO 12 OF 19		



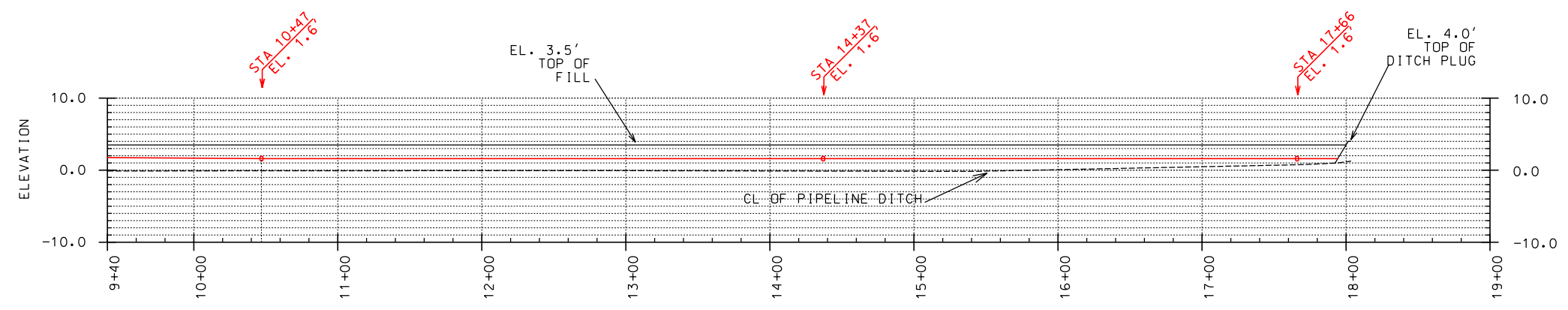
AREA 3 PROPOSED PLUG COORDINATES				
EVENT	PI#	STA	NORTHING	EASTING
POB	P1	0+00	403451.280	3035354.120
POE	P2	1+43	403471.940	3035495.220

DATUM: ALL HORIZONTAL COORDINATES - NAD83
 ALL VERTICAL COORDINATES - NAVD88
 CONTOURS: 1 FT INTERVAL W/3 MINORS/MAJOR

AREA 3 RIGHT EMBANKMENT COORDINATES				
EVENT	PI#	STA	NORTHING	EASTING
POB	R1	0+00	405225.110	3035611.960
PI	R2	3+60	404867.680	3035565.500
PI	R3	4+16	404825.790	3035528.810
PI	R4	7+52	404490.900	3035504.350
PI	R5	9+71	404276.680	3035456.300
PI	R6	12+53	403995.640	3035447.520
PI	R7	15+56	403696.370	3035398.770
POE	R8	17+99	403454.440	3035375.680



PLAN VIEW - AREA 3



NOTE FINAL SURVEYS ON AREA 3 WERE TAKEN ON 3/26/04

PROFILE - AREA 3
 CL OF PIPELINE DITCH

NOTE:
 SEE SHEET 04 OF 19 FOR WORK LIMITS
 SEE SHEET 12 OF 19 FOR MAIN DITCH AND LEFT EMBANKMENT COORDINATES.
 SEE SHEET 14 OF 19 FOR CROSS SECTIONS
 SEE SHEET 17 OF 19 FOR EMBANKMENT DETAILS
 SEE SHEET 18 OF 19 FOR PROPOSED EARTHEN PLUG DETAILS.

REVISIONS		TITLE	
NO.	DATE	APPR.	TITLE

U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE

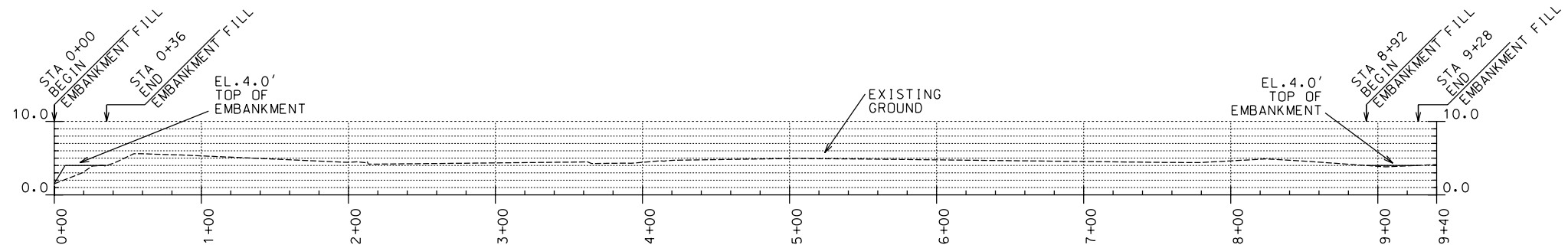
AREA 3 PLAN & PROFILE
 STA. 9+40-STA. 18+04
 LAKE PORTAGE LAND BRIDGE PROJECT
 VERMILION PARISH, LOUISIANA

CAD FILENAME: LA311013
 PROJECT NO.: LA311
 SHEET NO. 13 OF 19

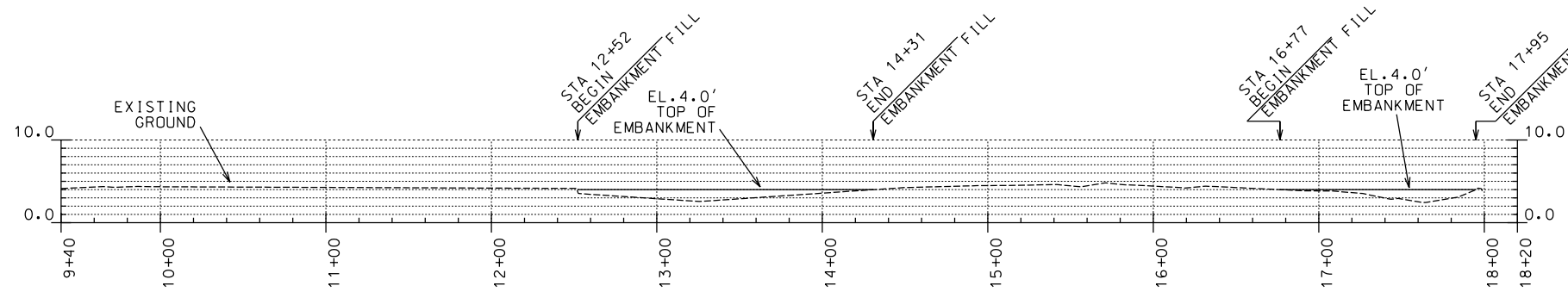
DESIGNED: C.E. LAFLEUR
 DRAWN: P. COLE
 TRACED: C.E. LAFLEUR
 CHECKED: C.E. LAFLEUR

DATE: 08/02
 APPROVED BY: E. J. GIBBING, III
 TITLE: STATE CONSERVATION ENGINEER
 LOCATION: ALEXANDRIA, LOUISIANA

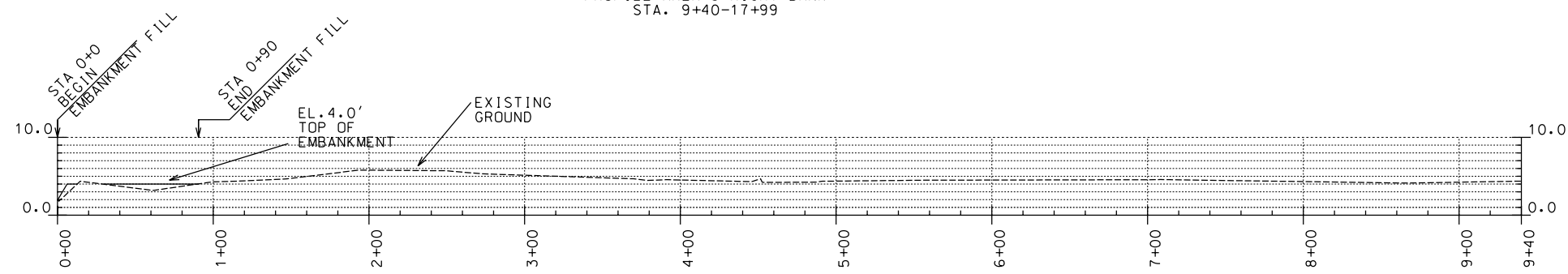
"AS-BUILT"
 DATE OF COMPLETION 05/11/04



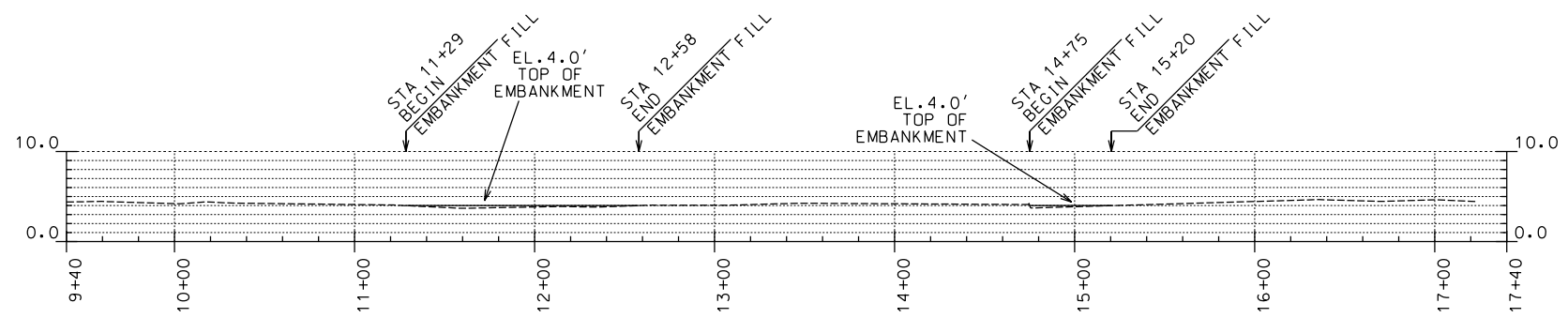
PROFILE-AREA 3 RIGHT BANK
STA. 0+00-9+40



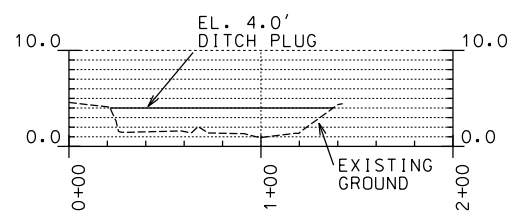
PROFILE-AREA 3 RIGHT BANK
STA. 9+40-17+99



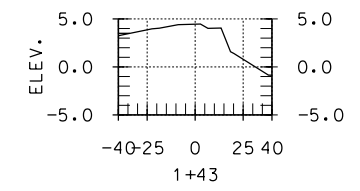
PROFILE-AREA 3 LEFT BANK
STA. 0+00-9+40



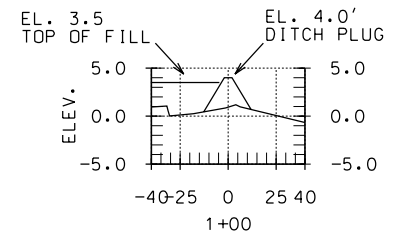
PROFILE-AREA 3 LEFT BANK
STA. 9+40-17+23



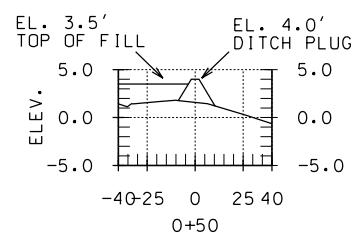
PROFILE-AREA 3 DITCH PLUG
STA. 0+00-1+43



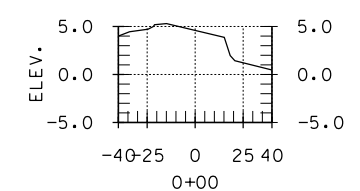
XSECT-AREA 3 DITCH PLUG
STA. 1+43



XSECT-AREA 3 DITCH PLUG
STA. 1+00



XSECT-AREA 3 DITCH PLUG
STA. 0+50

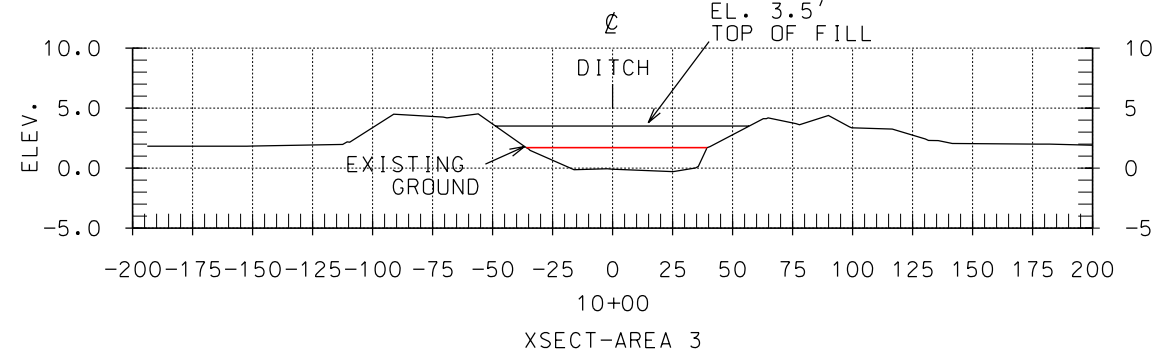
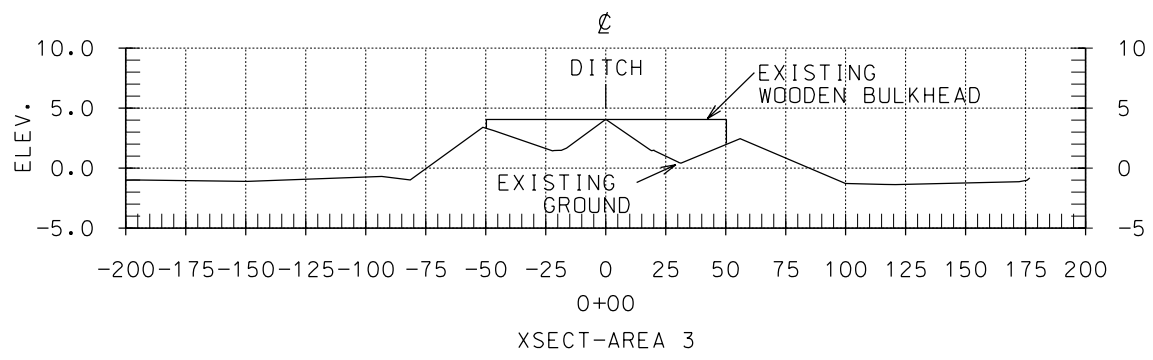
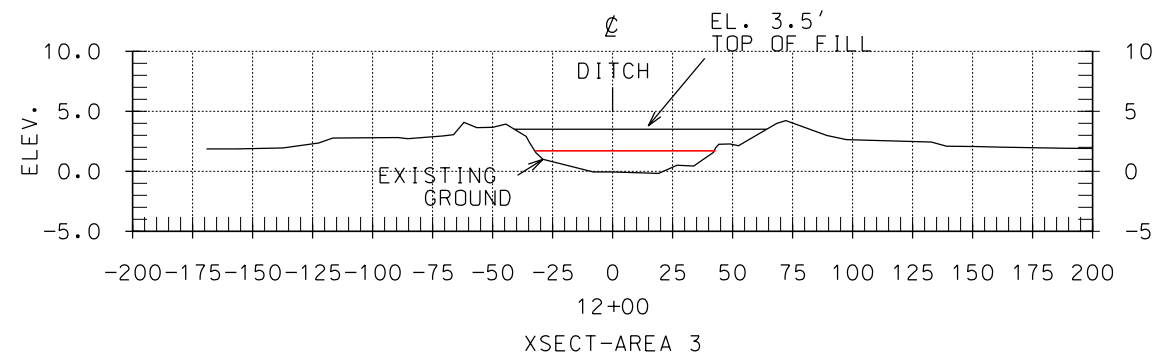
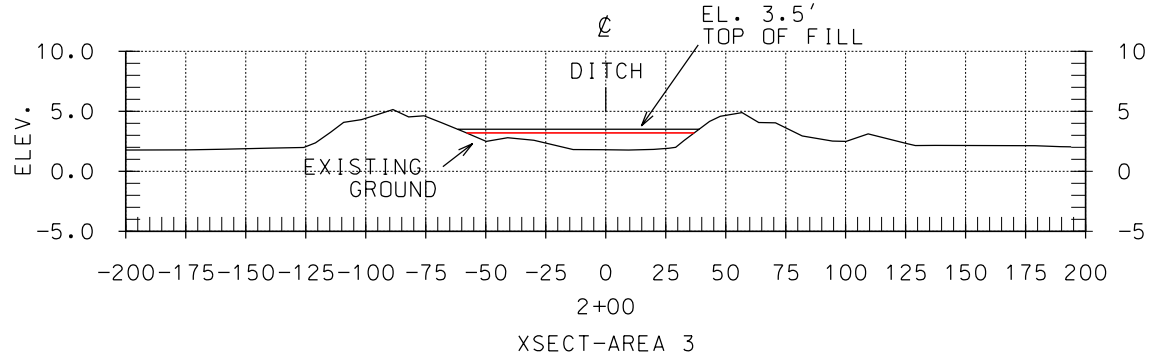
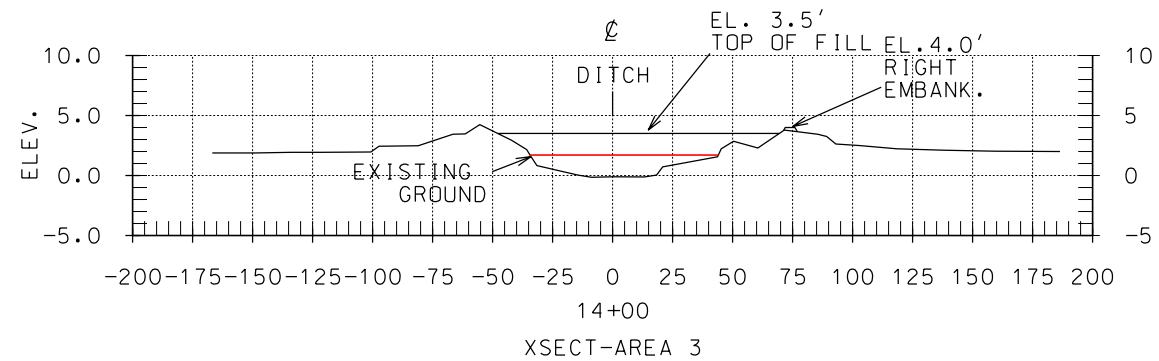
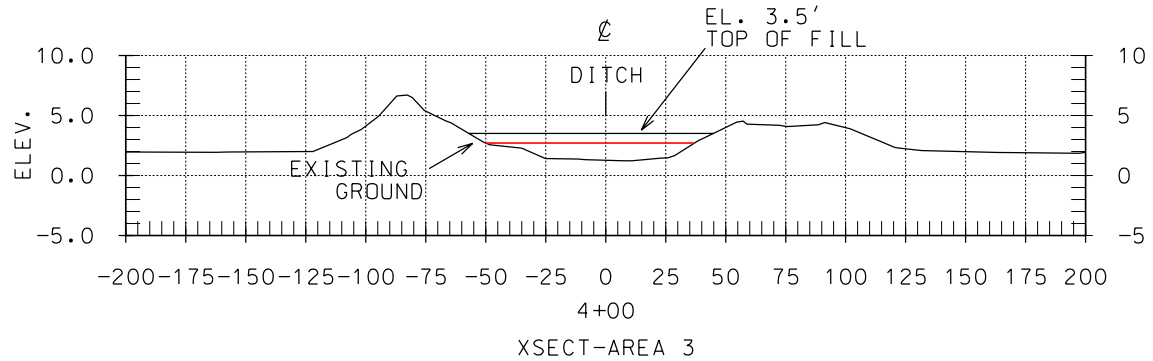
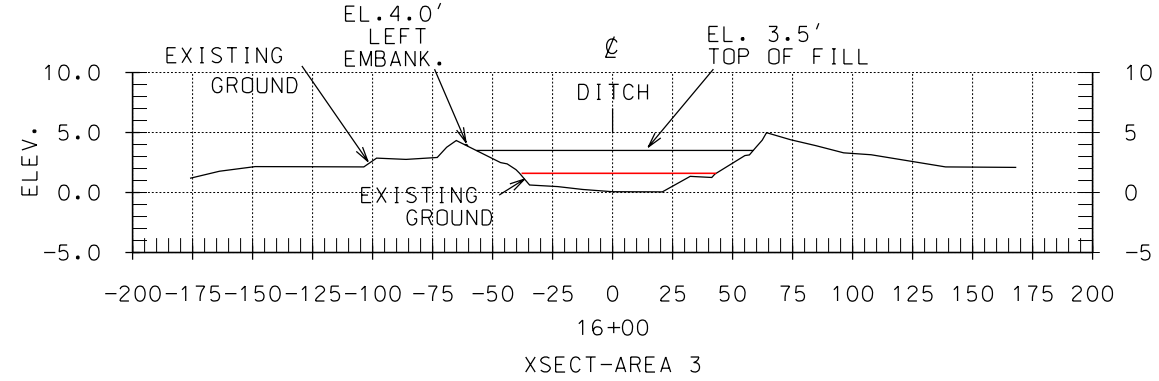
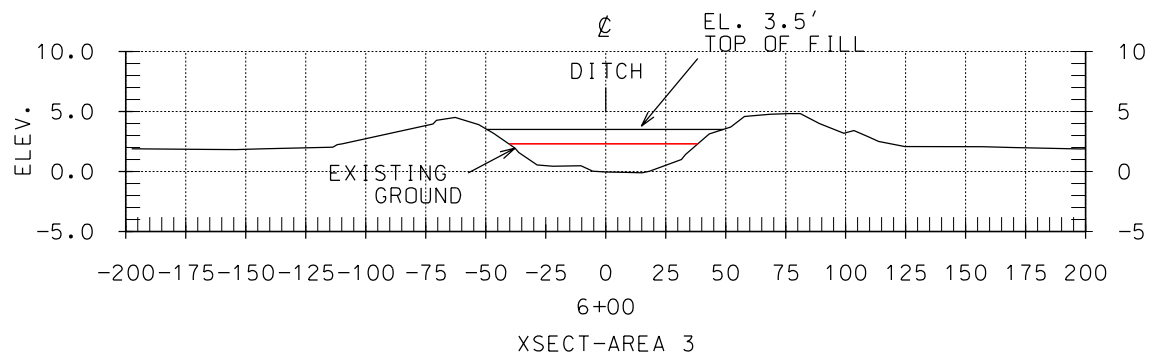
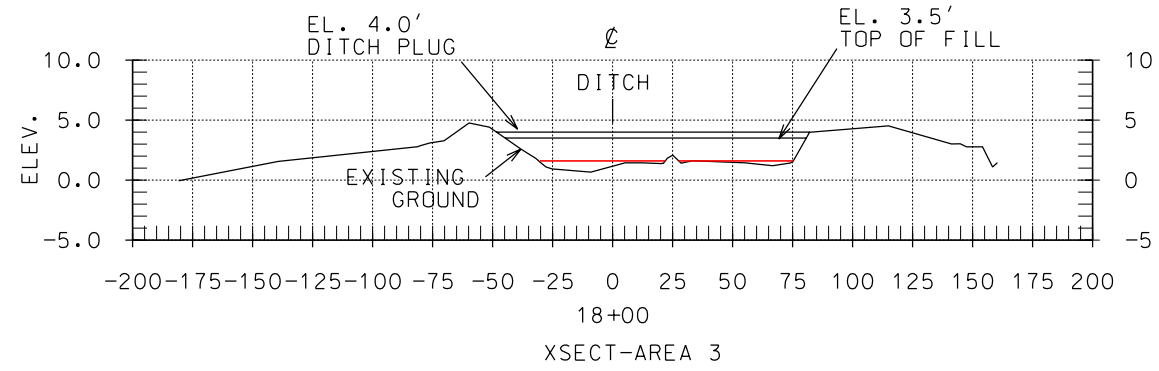
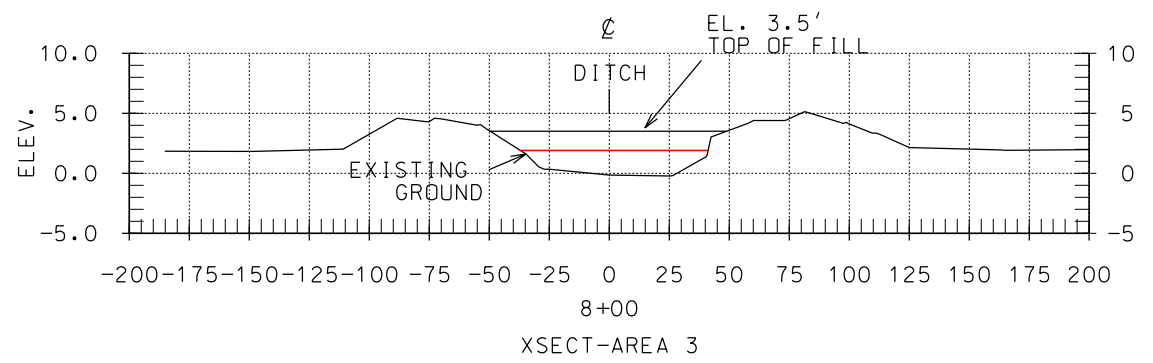


XSECT-AREA 3 DITCH PLUG
STA. 0+00

NOTE:
EMBANKMENT FILL STATIONS ARE APPROXIMATE.
BEGIN AND END AREAS SHALL BE STAKED IN
THE FIELD BY THE COTR

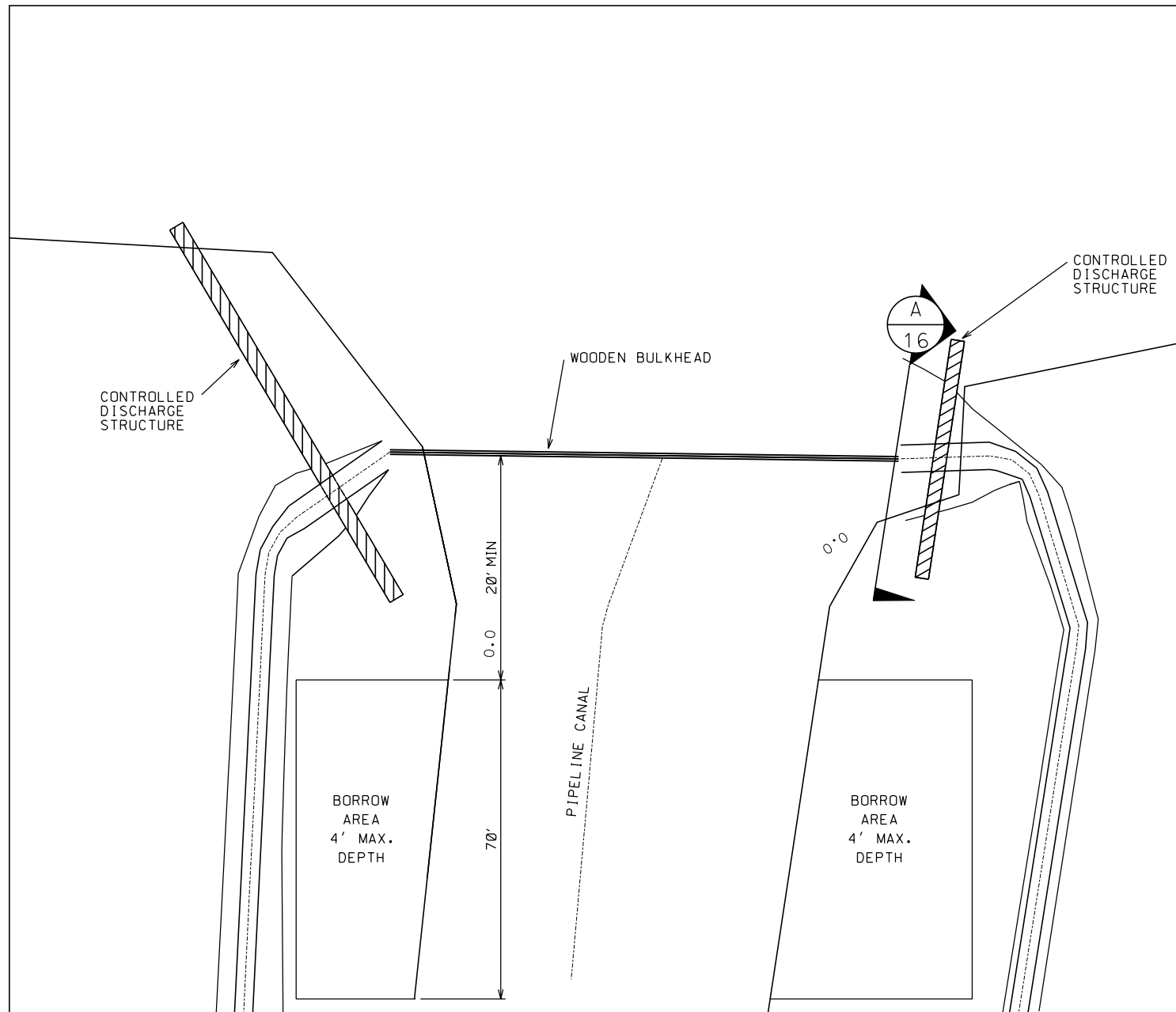
"AS-BUILT"
DATE OF COMPLETION 05/11/04

Date		08/02	
Approved by		I. J. GIERING, III	
Title		STATE CONSERVATION ENGINEER	
Location		ALEXANDRIA, LOUISIANA	
Date		05/02	
Designed		C. E. LAFLEUR	
Drawn		P. COLE	
Traced		C. E. LAFLEUR	
Checked		C. E. LAFLEUR	
Date		07/02	
Title		TITLE	
AREA 3 PROFILE-DITCH PLUG, LEFT & RIGHT EMBANKMENT LAKE PORTAGE LAND BRIDGE PROJECT VERMILION PARISH, LOUISIANA			
U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE			
NO.	DATE	APPR.	TITLE
CAD FILENAME LA3110014			
PROJECT NO. LA311			
SHEET NO 14 OF 19			

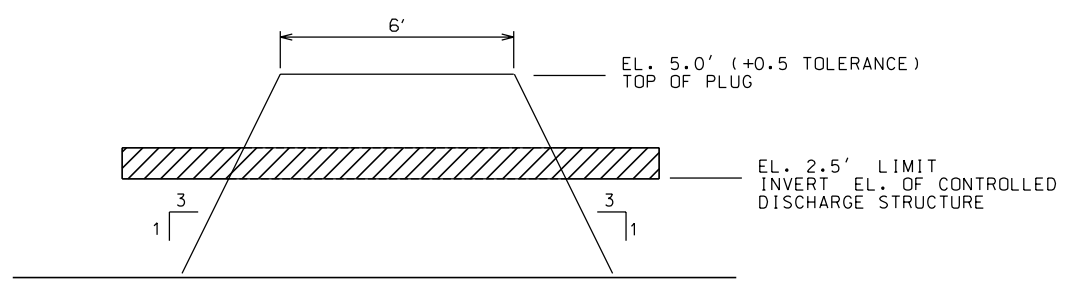


"AS-BUILT"
DATE OF COMPLETION 05/11/01

REVISIONS NO. DATE APPR. TITLE		AREA 3 XSECT. STA. 0+00-STA. 18+00 LAKE PORTAGE LAND BRIDGE PROJECT VERMILION PARISH, LOUISIANA	Date Approved by E. J. CIERING, III 08/02
CAD FILENAME LA311015			Title STATE CONSERVATION ENGINEER ALEXANDRIA, LOUISIANA
PROJECT NO. LA311		U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE	Date 05/02
SHEET NO 15 OF 19			Title STATE CONSERVATION ENGINEER ALEXANDRIA, LOUISIANA
DESIGNED C. E. LAFLEUR		DRAWN P. COLE	Date 05/02
CHECKED C. E. LAFLEUR			Title STATE CONSERVATION ENGINEER ALEXANDRIA, LOUISIANA



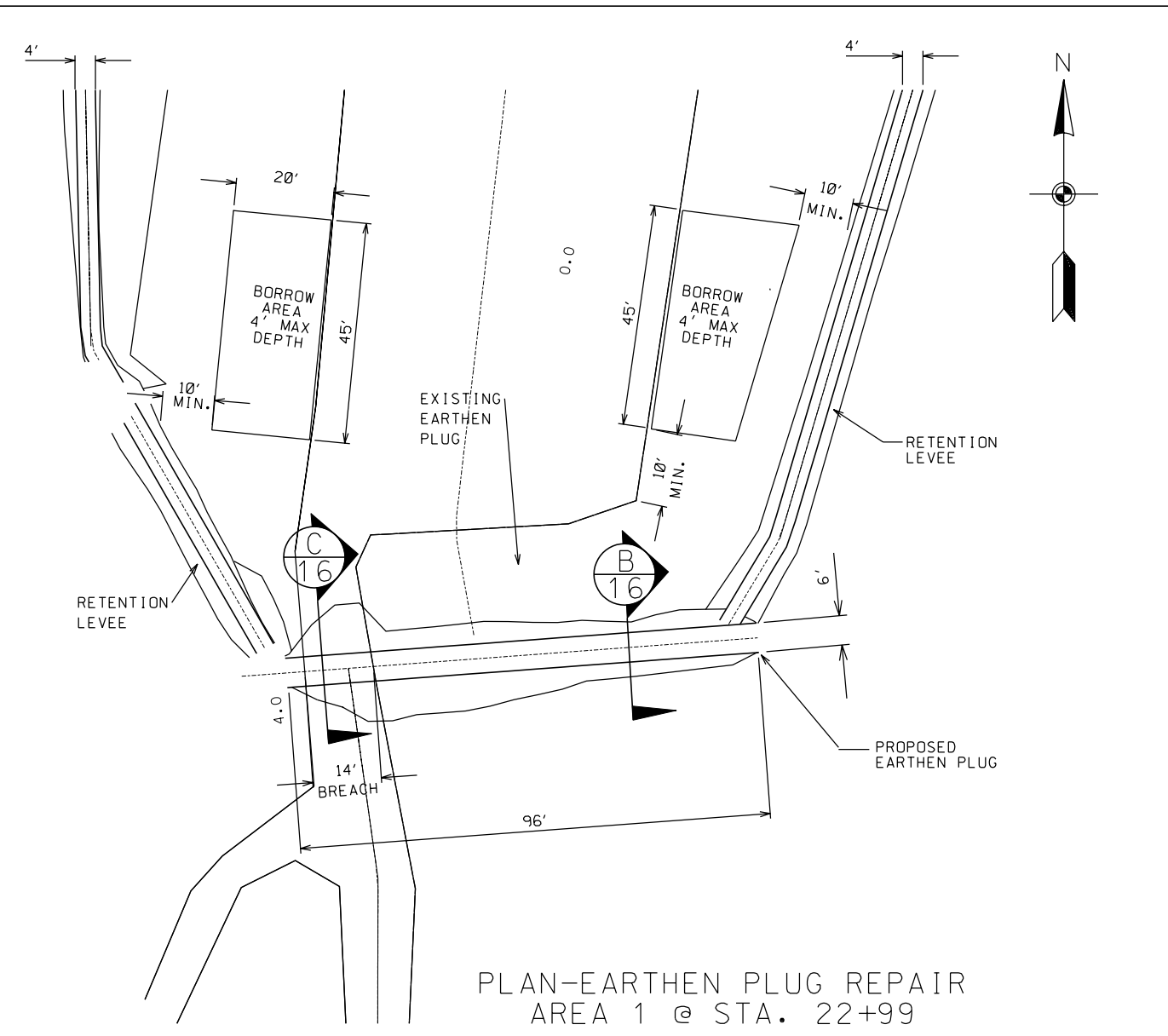
PLAN-PROPOSED EARTHEN PLUGS AREA 1 @ STA. 0+00



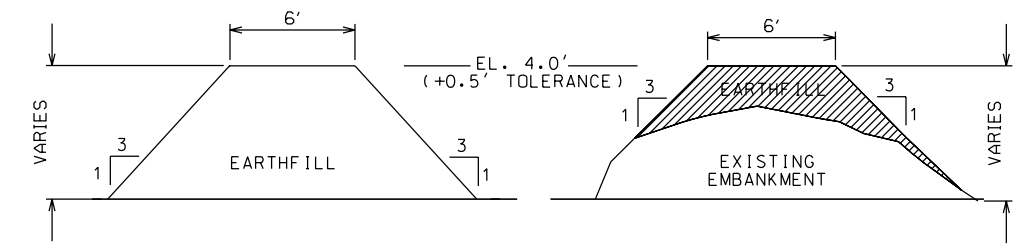
SECTION A
PROPOSED EARTHEN PLUG AREA 1 @ STA. 0+00

(NOT TO SCALE)

NOTE:
 1. DATUM: ALL HORIZONTAL COORDINATES - NAD83
 ALL VERTICAL COORDINATES - NAVD88.
 2. EXACT BORROW AREA LIMITS SHALL BE AS CONCURRED IN BY THE CONTR.



PLAN-EARTHEN PLUG REPAIR AREA 1 @ STA. 22+99



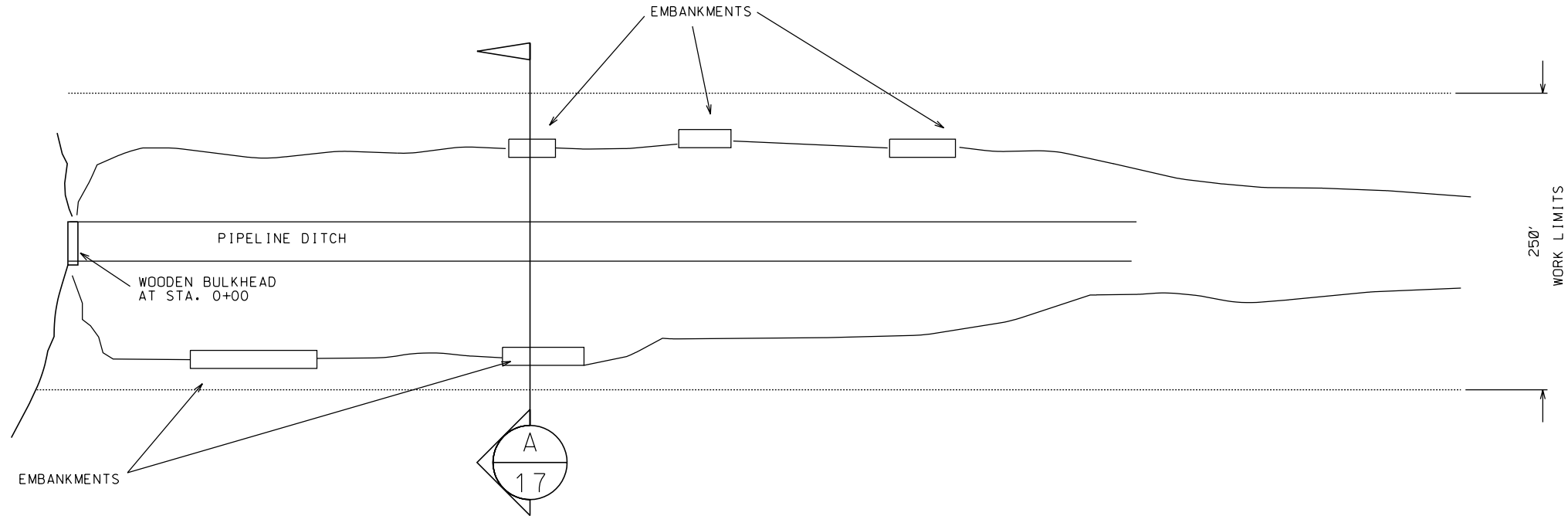
SECTION C
AREA 1 PROPOSED EARTHEN REPAIR @ STA 22+99

(NOT TO SCALE)

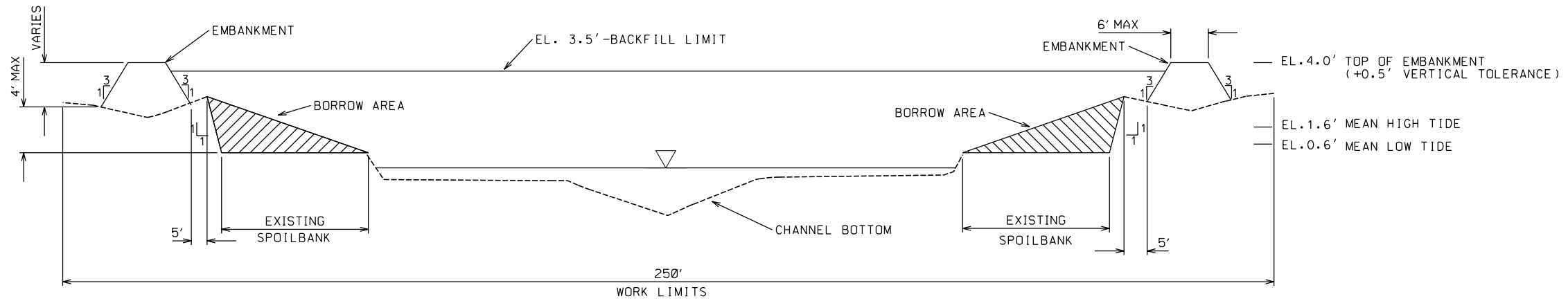
SECTION B
AREA 1 PROPOSED EARTHEN REPAIR @ STA 22+99

"AS-BUILT"
 DATE OF COMPLETION 05/11/04

Date Approved by E. J. CIERING, III 08/02 Title STATE CONSERVATION ENGINEER ALEXANDRIA, LOUISIANA	
Date 07/02 Designed C.E. LAFLEUR Drawn P. COLE Traced Checked C.E. LAFLEUR	Date 07/02 Title Title
AREA 1 PROPOSED EARTHEN PLUGS AT STA. 0+00 & STA. 22+99 LAKE PORTAGE LAND BRIDGE PROJECT VERMILION, LOUISIANA	
U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE	
REVISIONS NO. DATE APPR. TITLE	CAD FILENAME LA311016.DGN PROJECT NO. LA311 SHEET NO 16 OF 19



TYPICAL EMBANKMENT PLAN FOR AREA 3 AND 1



NOTE:

- DATUM: ALL HORIZONTAL COORDINATES - NAD83
ALL VERTICAL COORDINATES - NAVD88.
- INCREMENT AREAS OF EXISTING EAST AND WEST SPOILBANKS IN AREA 3 AND AREA 1 WILL REQUIRE EMBANKMENTS TO CONFINE DISPOSAL MATERIAL. BORROW SITES WILL CONSIST OF EXISTING SPOILBANK MATERIAL (ABOVE WATERLINE ONLY) AND WILL BE BACKFILLED WITH DREDGED MATERIAL FROM VERMILION BAY. EMBANKMENTS WILL NOT EXTEND OUTSIDE OF ADJOINING BACKFILL LIMIT CONTOURS.
- EXACT BACKFILL LIMITS SHALL BE AS CONCURRED IN BY THE COTR.

CHANNEL SECTION **A**
FOR AREA 1 & 3 **17**

(NOT TO SCALE)

"AS-BUILT"

DATE OF COMPLETION 05/11/04

Designed	C.E. LAFLEUR	Date	07/02
Drawn	P. COLE	Approved by	E. J. GIERING, III
Traced		Title	STATE CONSERVATION ENGINEER
Checked	C.E. LAFLEUR		ALEXANDRIA, LOUISIANA
		Date	08/02

EMBANKMENT PLAN & SECTION
FOR AREA 3 AND AREA 1
LAKE PORTAGE LANDBRIDGE PROJECT
VERMILION PARISH, LOUISIANA

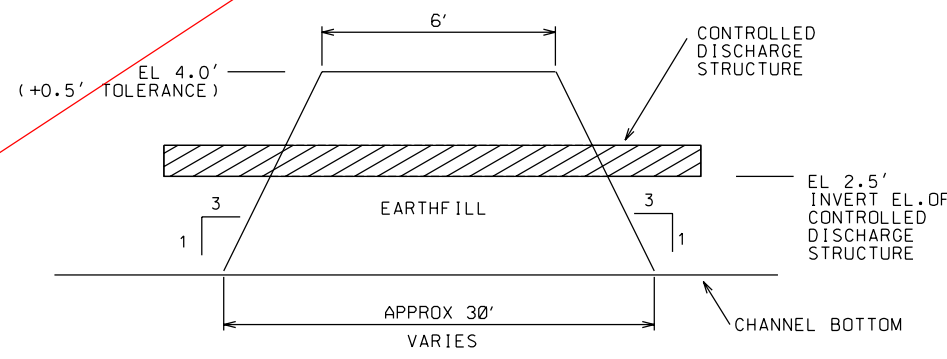
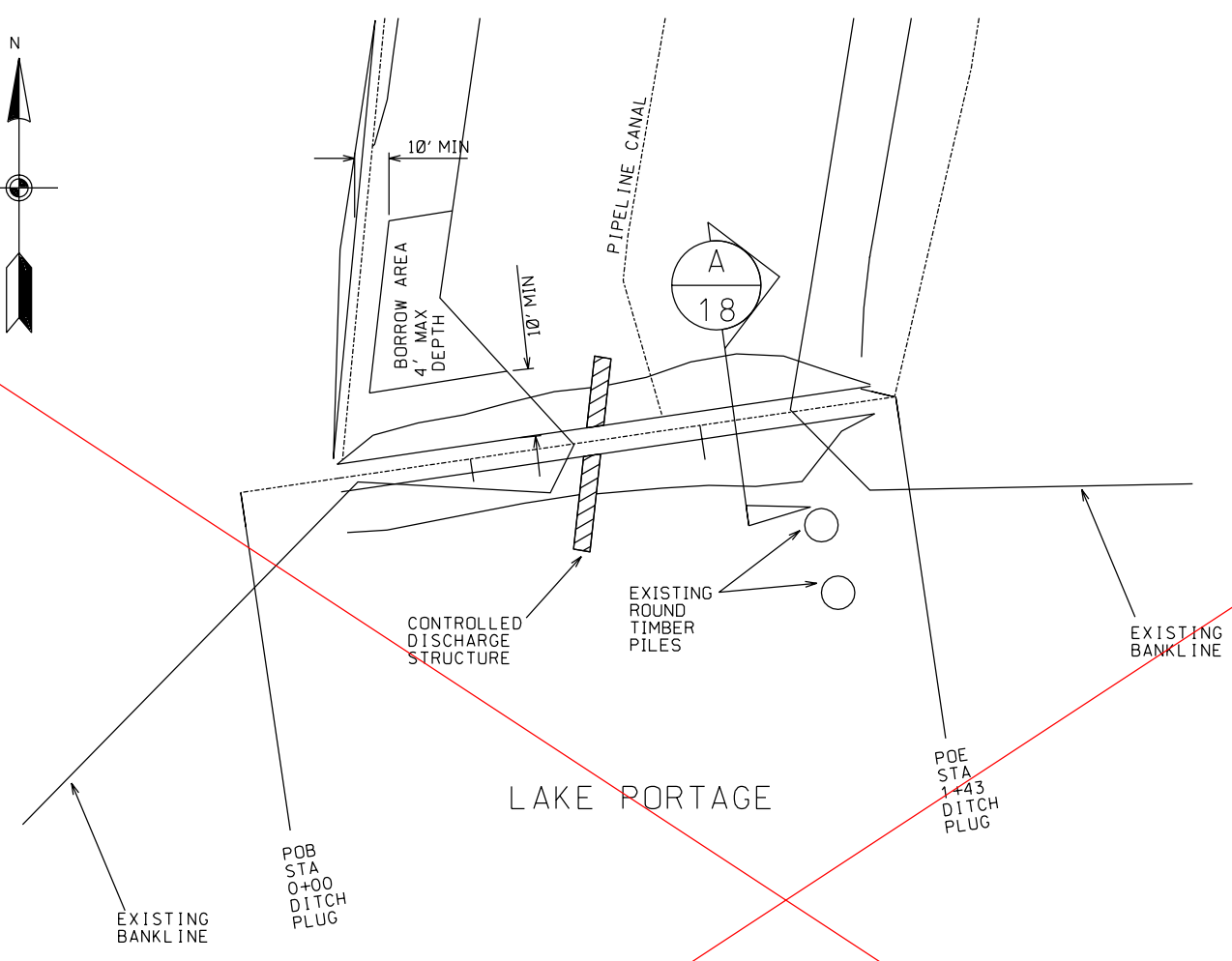
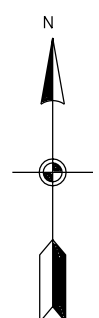
NO.	DATE	APPR.	TITLE

U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE

CAD FILENAME
LA311017.DGN

PROJECT NO.
LA311

SHEET NO 17 OF 19



SECTION A
AREA 3 PROPOSED
EARTHEN PLUG

(NOT TO SCALE)

NOTE :
 1. DATUM: ALL HORIZONTAL COORDINATES - NAD83
 ALL VERTICAL COORDINATES - NAVD88.
 2. EXACT BORROW AREA LIMITS SHALL BE AS CONCURRED
 IN BY THE COTR.

REPLACED BY SHEET 18M3
 SEE MODIFICATION # 6

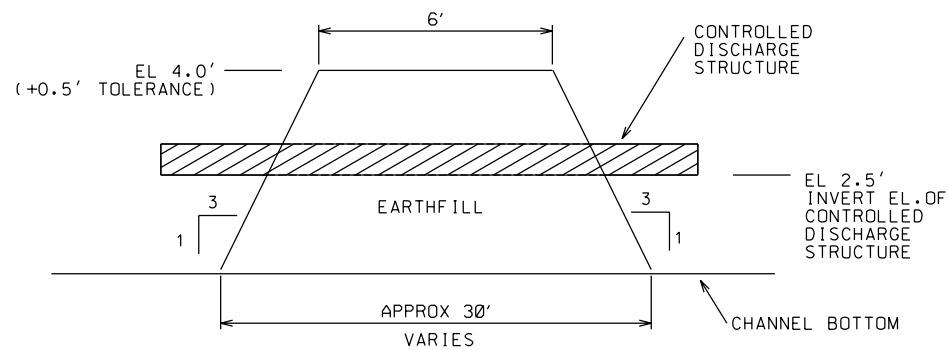
"AS-BUILT"
 DATE OF COMPLETION 05/11/09

REVISIONS		TITLE	
NO.	DATE	APPR.	TITLE

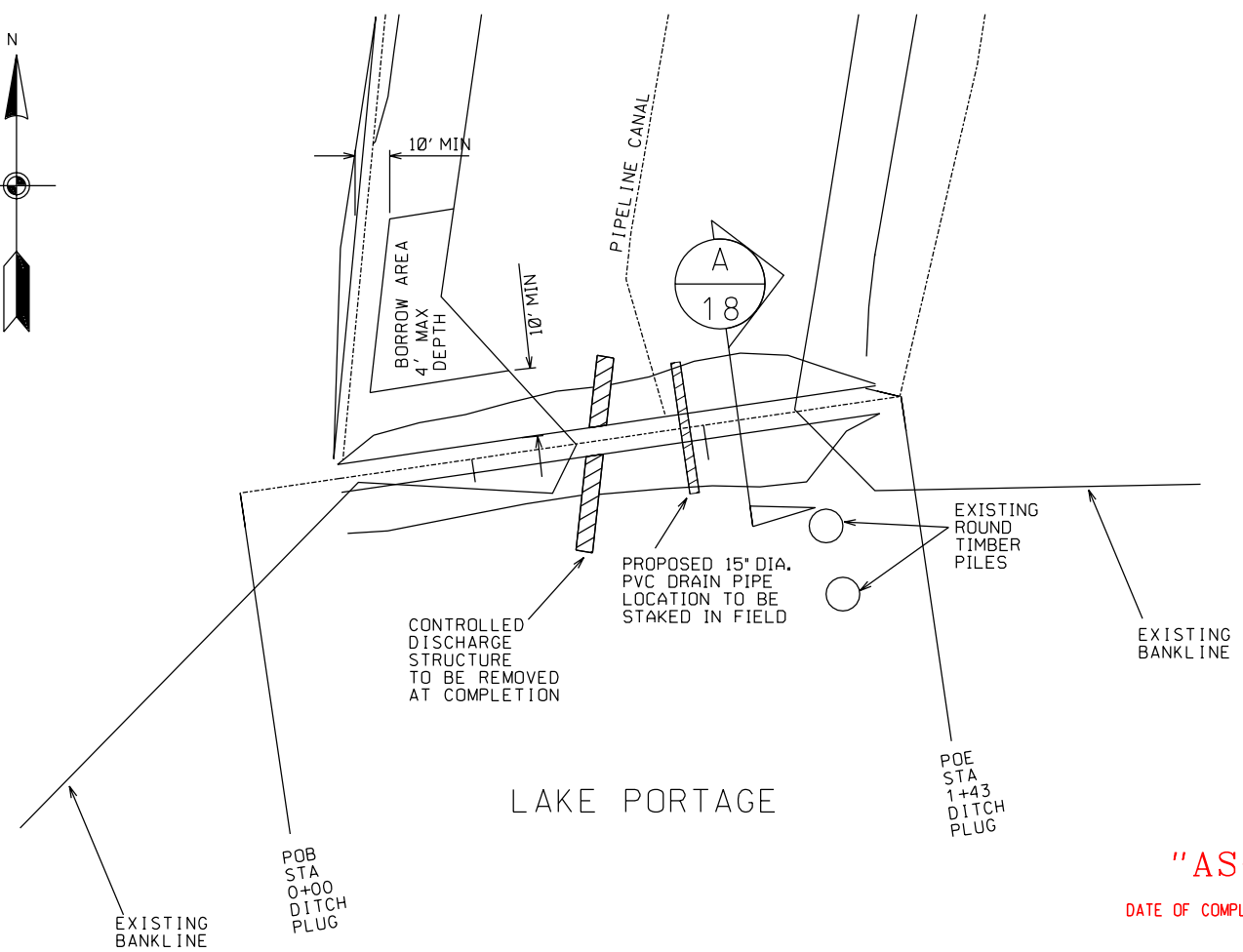
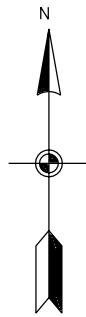
DESIGNED BY	C.E. LAFLEUR	DATE	07/02
DRAWN BY	P. COLE	DATE	07/02
TRACED BY			
CHECKED BY	C.E. LAFLEUR	DATE	07/02

APPROVED BY	WISLON WILSON	DATE	08/02
TITLE	STATE CONSERVATION ENGINEER	TITLE	

AREA 3 EARTHEN PLUG DETAILS			
LAKE PORTAGE LAND BRIDGE PROJECT			
VERMILION, LOUISIANA			
U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE			
CAD FILENAME			
LA311018.DGN			
PROJECT NO.			
LA311			
SHEET NO 18 OF 19			



SECTION A
AREA 3 PROPOSED EARTHEN PLUG 18

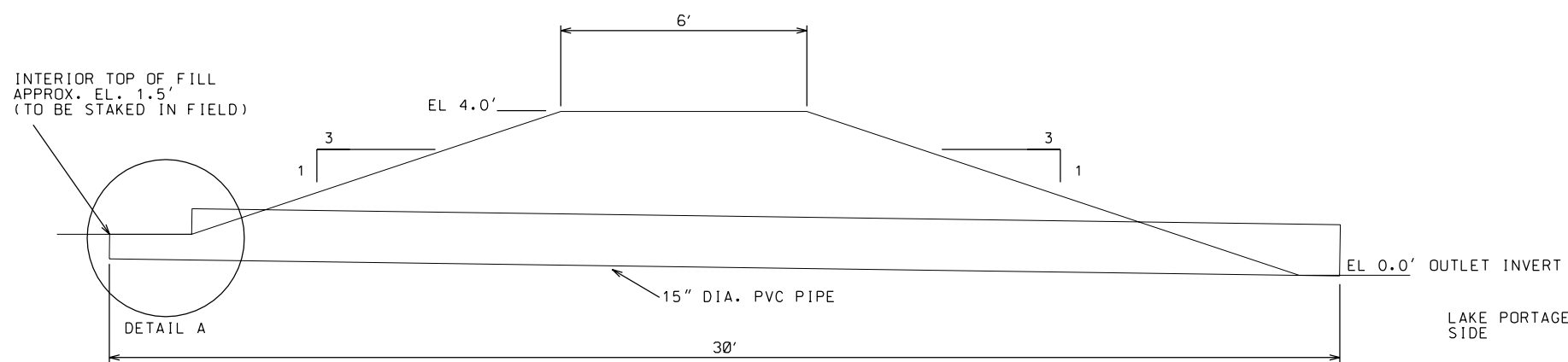


"AS-BUILT"

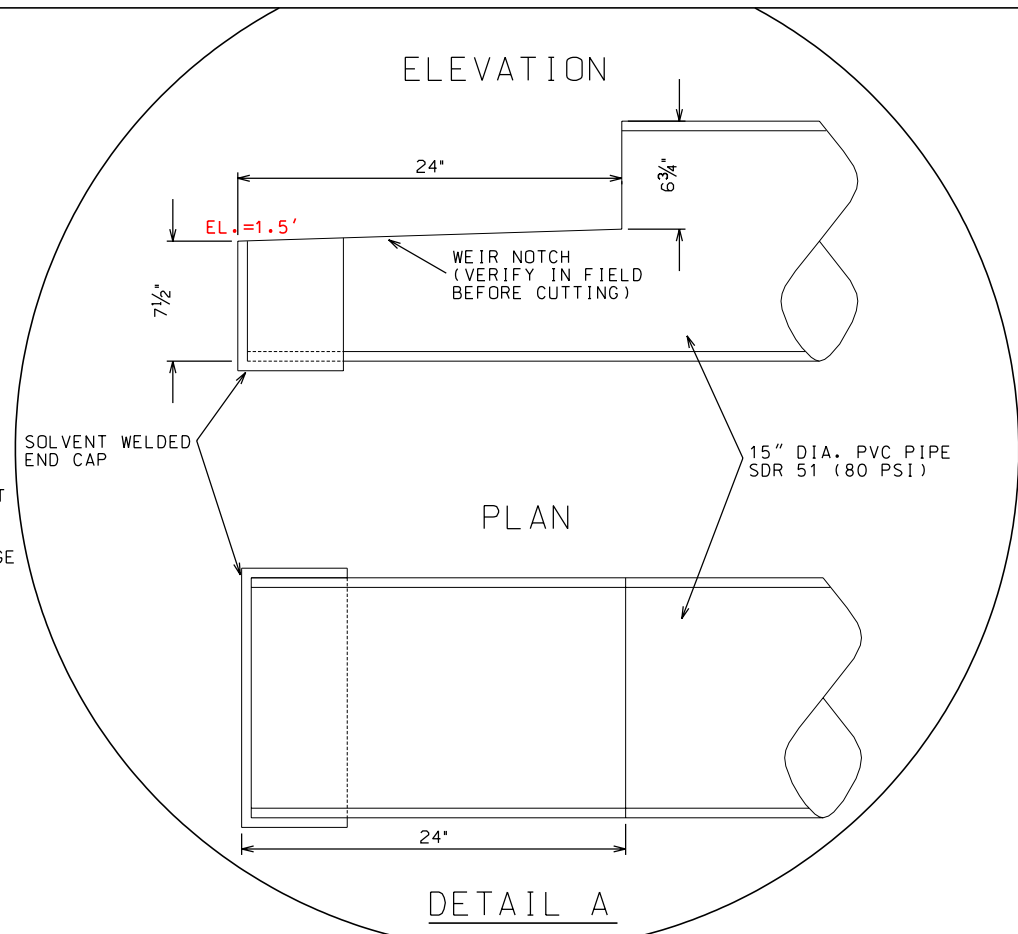
DATE OF COMPLETION 05/11/04

- NOTE:**
- DATUM: ALL HORIZONTAL COORDINATES - NAD83
ALL VERTICAL COORDINATES - NAVD88.
 - EXACT BORROW AREA LIMITS SHALL BE AS CONCURRED IN BY THE CONTR.

MODIFICATION 3



15' DIA. PVC DRAIN PIPE
(NOT TO SCALE)



Date	07/02	Approved by	W. J. WILSON	08/02
Designed	C.E. LAFLEUR	Title	REGISTERED PROFESSIONAL ENGINEER	
Drawn	P. COLE	Title		
Traced		Title		
Checked	C.E. LAFLEUR	Title		

AREA 3 EARTHEN PLUG DETAILS
LAKE PORTAGE LAND BRIDGE PROJECT
VERMILION, LOUISIANA

NO.	DATE	APPR.	TITLE
MOD 3	11/2004	BAS	ASCE

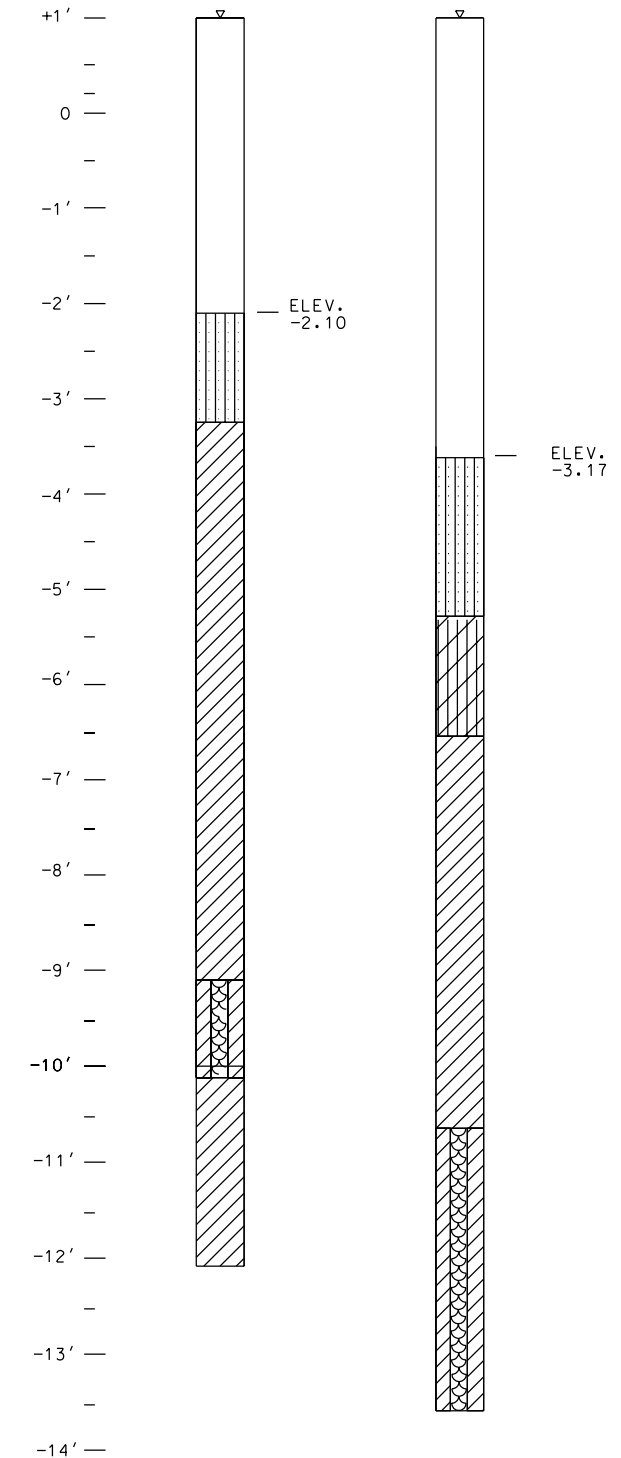
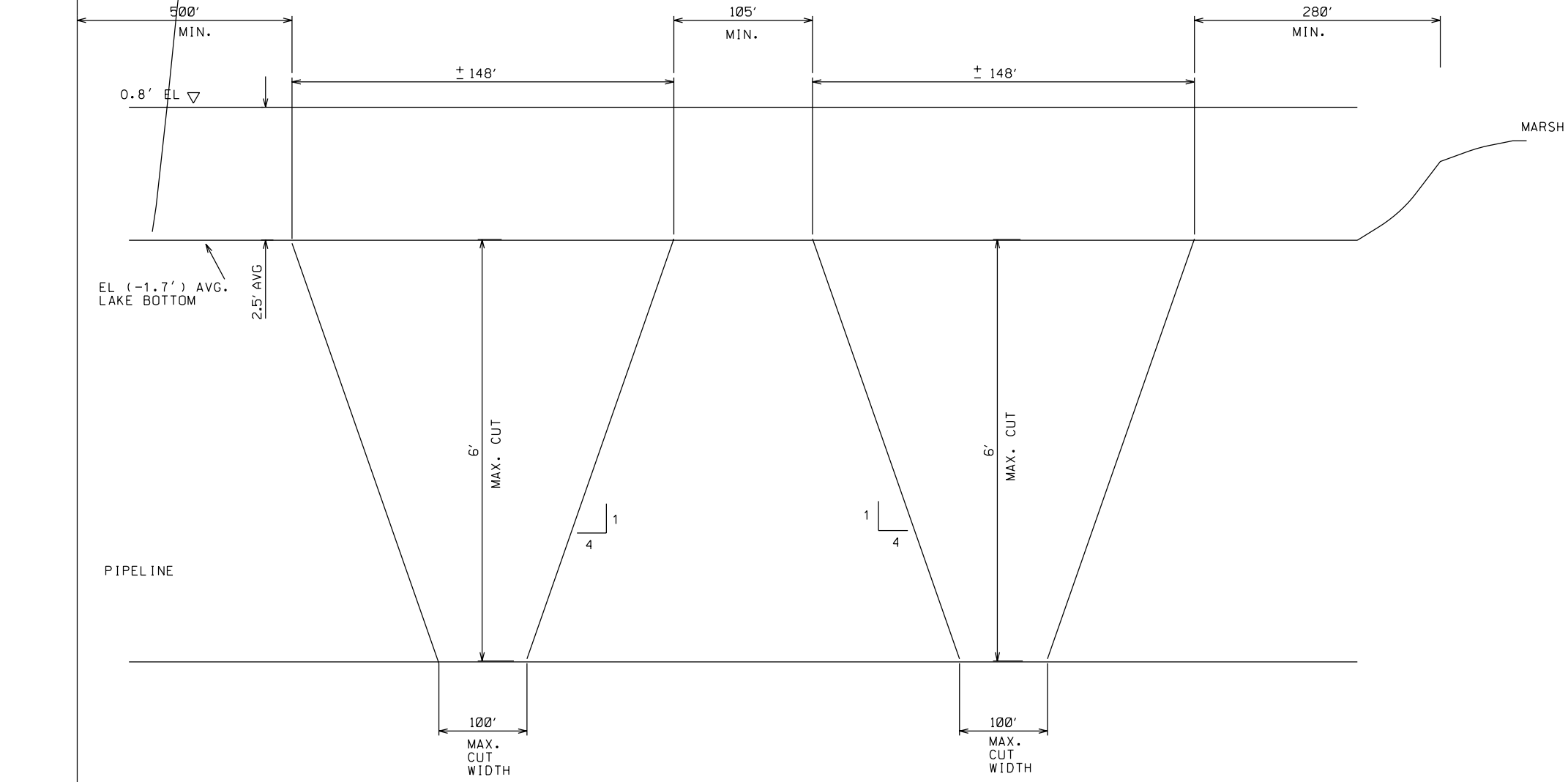
U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE

CAD FILENAME
LA311018M3.DGN
PROJECT NO.
LA311
SHEET NO18M3 OF 19

CL
36" SEA
ROBIN
PIPELINE
(SEE SHT 4 OF 19
FOR PIPELINE
DEPTH)

BORING
NO. 1A
8/20/01

BORING
NO. 2A
8/20/01



TYPICAL DREDGE BORROW
CHANNEL SECTIONS

(NOT TO SCALE)

NOTE :
ELEVATIONS SHOWN ARE NAVD88
DATUM FROM USGS GAGE
RECORDER NO. 7387050 VERMILION
BAY @ BAYOU FEARMAN

NOTE :
SEE SHEET 4 OF 19 FOR
BOREHOLE LOCATION AND
BORROW AREA COORDINATES

- SM SILTY SAND, SAND-SILT MIXTURE
- ML SILT WITH LITTLE OR NO PLASTICITY
- CL SILTY CLAY, LOW TO MEDIUM PLASTICITY
- CH CLAY, HIGH PLASTICITY
- OH ORGANIC CLAY OF MEDIUM TO HIGH PLASTICITY
- PT PEAT, HUMUS, SWAMP SOIL

"AS-BUILT"
DATE OF COMPLETION 05/11/04

Date		Approved by		Date	
08/02		W. J. ...		07/02	
Title		Title		Title	
DESIGNED		DRAWN		CHECKED	
C.E. LAFLEUR		P. COLE		C.E. LAFLEUR	
DESIGNED		DRAWN		CHECKED	
07/02		07/02		07/02	
Title		Title		Title	
DREDGE BORROW CHANNEL SECTIONS		AND BOREHOLE DATA		DREDGE BORROW CHANNEL SECTIONS	
LAKE PORTAGE LAND BRIDGE PROJECT		VERMILION, LOUISIANA		LAKE PORTAGE LAND BRIDGE PROJECT	
U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE		U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE		U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE	
NO.		DATE		DATE	
APPR.		APPR.		APPR.	
TITLE		TITLE		TITLE	
CAD FILENAME		PROJECT NO.		SHEET NO	
LA311019.DGN		LA311		19 OF 19	