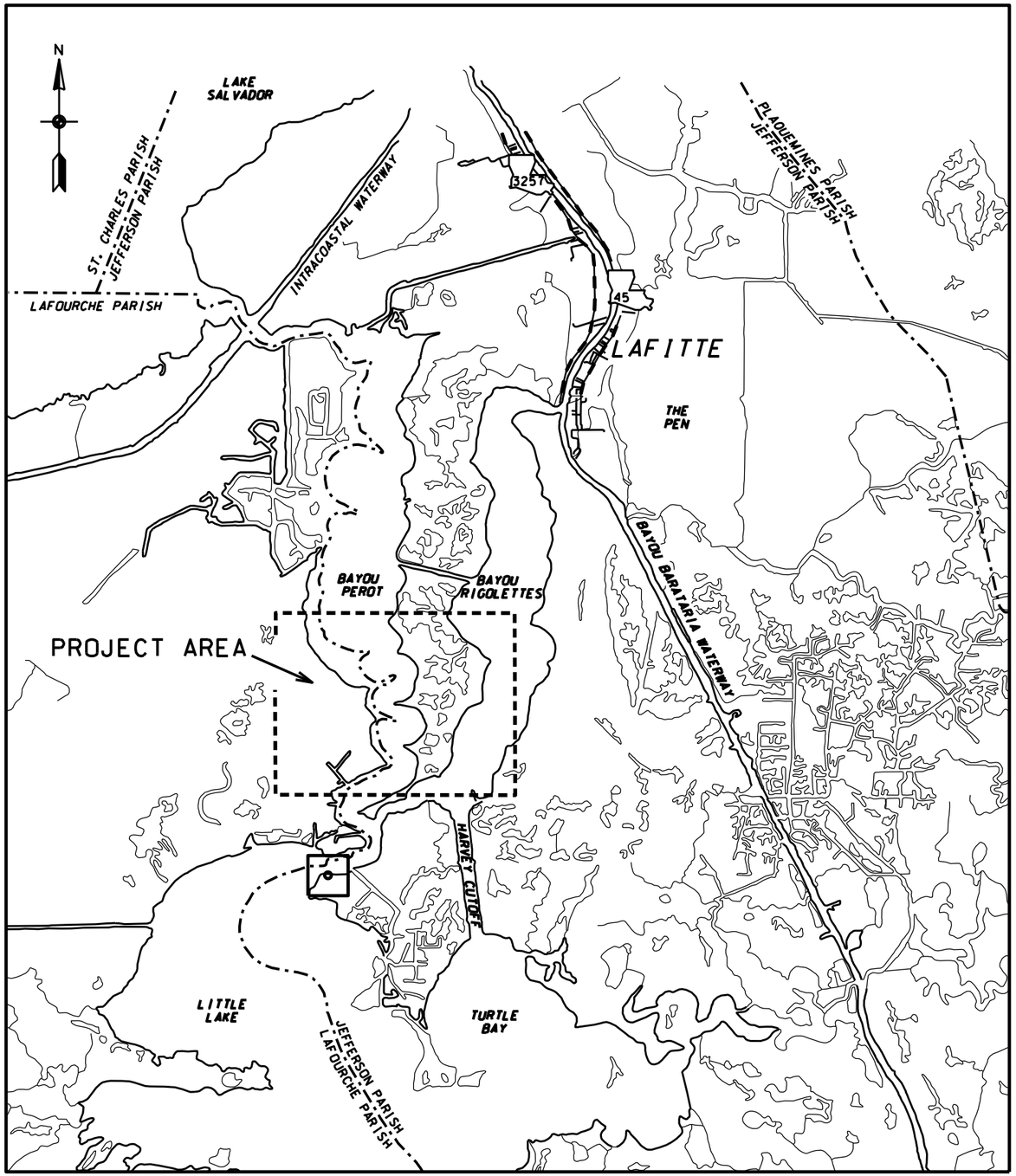
BARATARIA BASIN LANDBRIDGE PROJECT

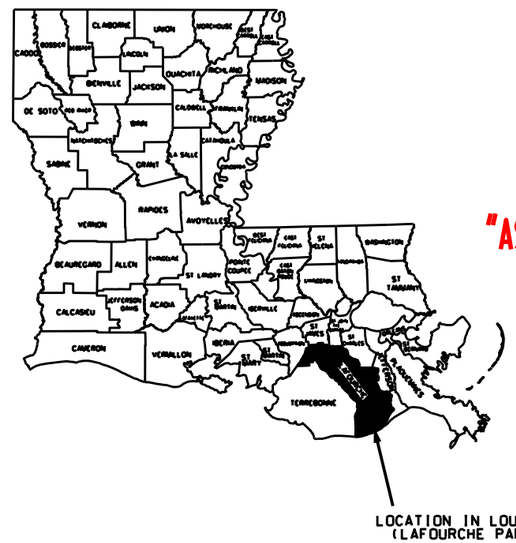
CONSTRUCTION UNIT 5 - BA-27
BUILT UNDER THE
COASTAL WETLANDS
PLANNING, PROTECTION,
AND
RESTORATION ACT
PUBLIC LAW 101-646
BY THE
LOUISIANA
DEPARTMENT OF NATURAL RESOURCES
WITH THE ASSISTANCE OF THE
NATURAL RESOURCES CONSERVATION SERVICE
OF THE
UNITED STATES DEPARTMENT OF AGRICULTURE
2006



VICINITY MAP

1 0 2 4 6
SCALE IN MILES

- BENCHMARK LOCATION (SEE SHEET 3 OF 23 FOR DESCRIPTION).



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"AS-BUILT PLANS"

SUBMITTED BY: WARREN BLANCHARD — 05/11/09
GOVERNMENT REPRESENTATIVE — DATE

APPROVED BY: ASSISTANT STATE CONSERVATION ENGINEER — DATE
BRADLEY STICKER — 07/20/10
STATE CONSERVATION ENGINEER — DATE

CONTRACT NO. AG-7217-C-07-0060 DATE 05/05/09
CONTRACTOR ERCON CORPORATION
INSPECTOR ROBERT PAYTON
DATE OF COMPLETION 10-01-2008

		Date
Approved by	E.J. GIERING III	
Title	STATE CONSERVATION ENGINEER ALEXANDRIA, LA.	
Title		

		Date
Designed	C. LAFLEUR	05/04
Drawn	D.J. WILMORE	05/04
Traced		
Checked	B. STICKER	05/04

COVER SHEET
BA-27 - LANDBRIDGE CU#5
LAFOURCHE PARISH, LA.

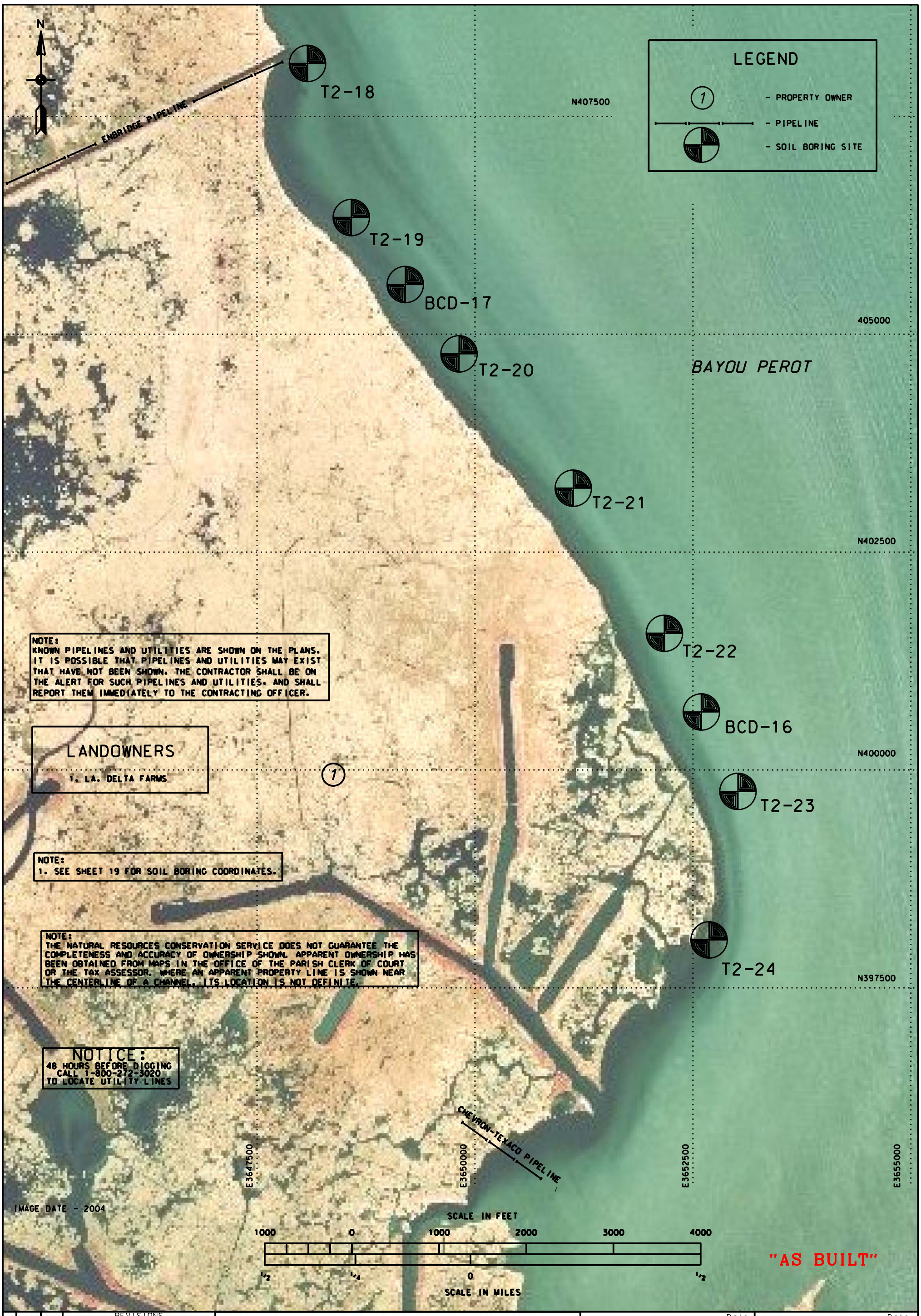
U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE

REVISIONS			
NO.	DATE	APPR.	TITLE

CAD FILENAME
LA345001.DGN

PROJECT NO.
LA345

SHEET NO 01 OF 23



REVISIONS			
NO.	DATE	APPR.	TITLE

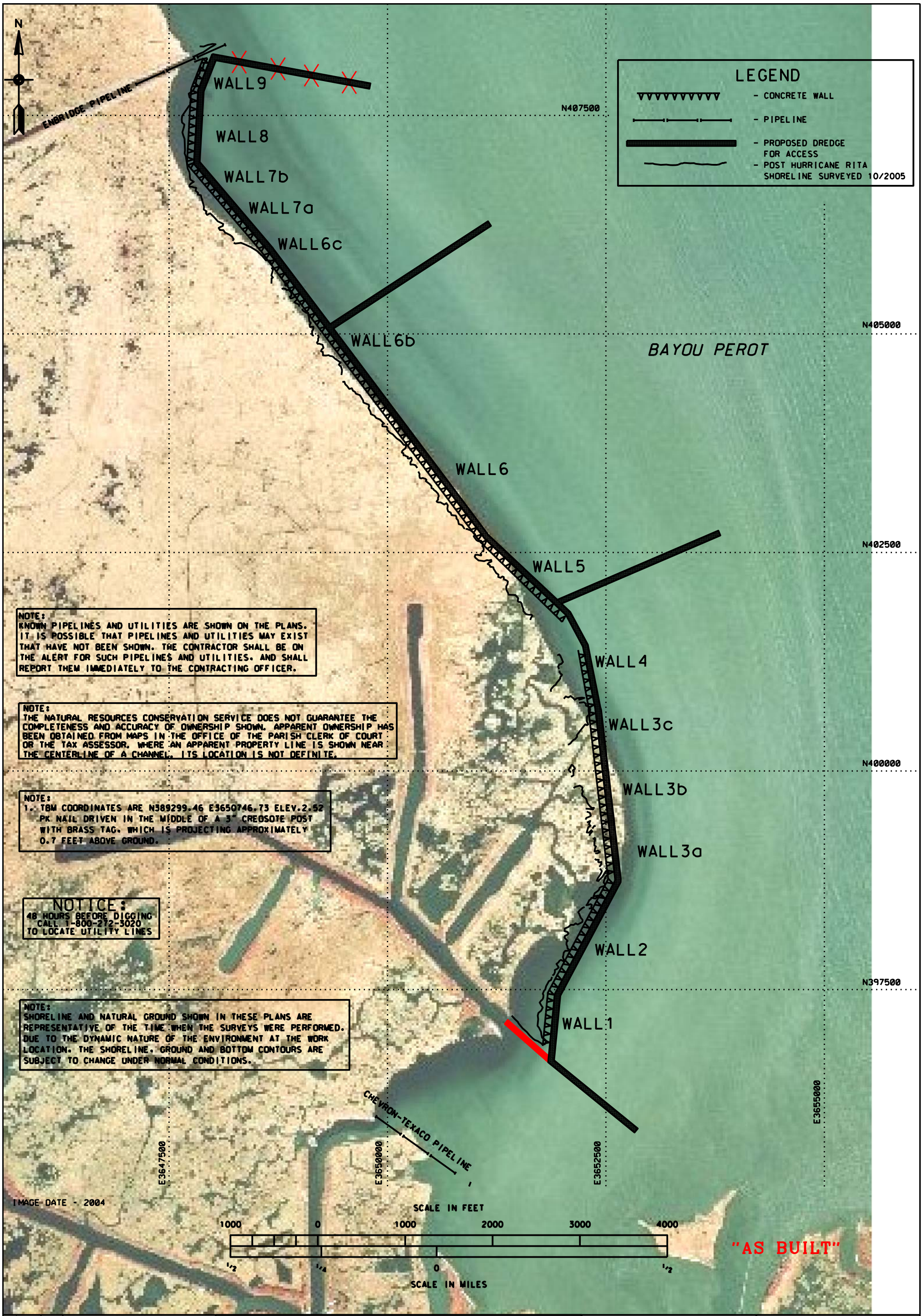
LAND RIGHTS & LOCATION MAP
BA-27 - LANDBRIDGE CU#5
LAFOURCHE PARISH, LA.

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

		Date
Designed	C. LAFLEUR	05/04
Drawn	D.J. WILMORE	05/04
Traced		
Checked	B. STICKER	05/04

		Date
Approved by	E.J. GIERING III	
Title	STATE CONSERVATION ENGINEER ALEXANDRIA, LA.	
Title		

CAD FILENAME LA345002.DGN
PROJECT NO. LA345
SHEET NO. 2 OF 23



REVISIONS			
NO.	DATE	APPR.	TITLE

CAD FILENAME LA345003.DGN
PROJECT NO. LA345
SHEET NO. 3 OF 23

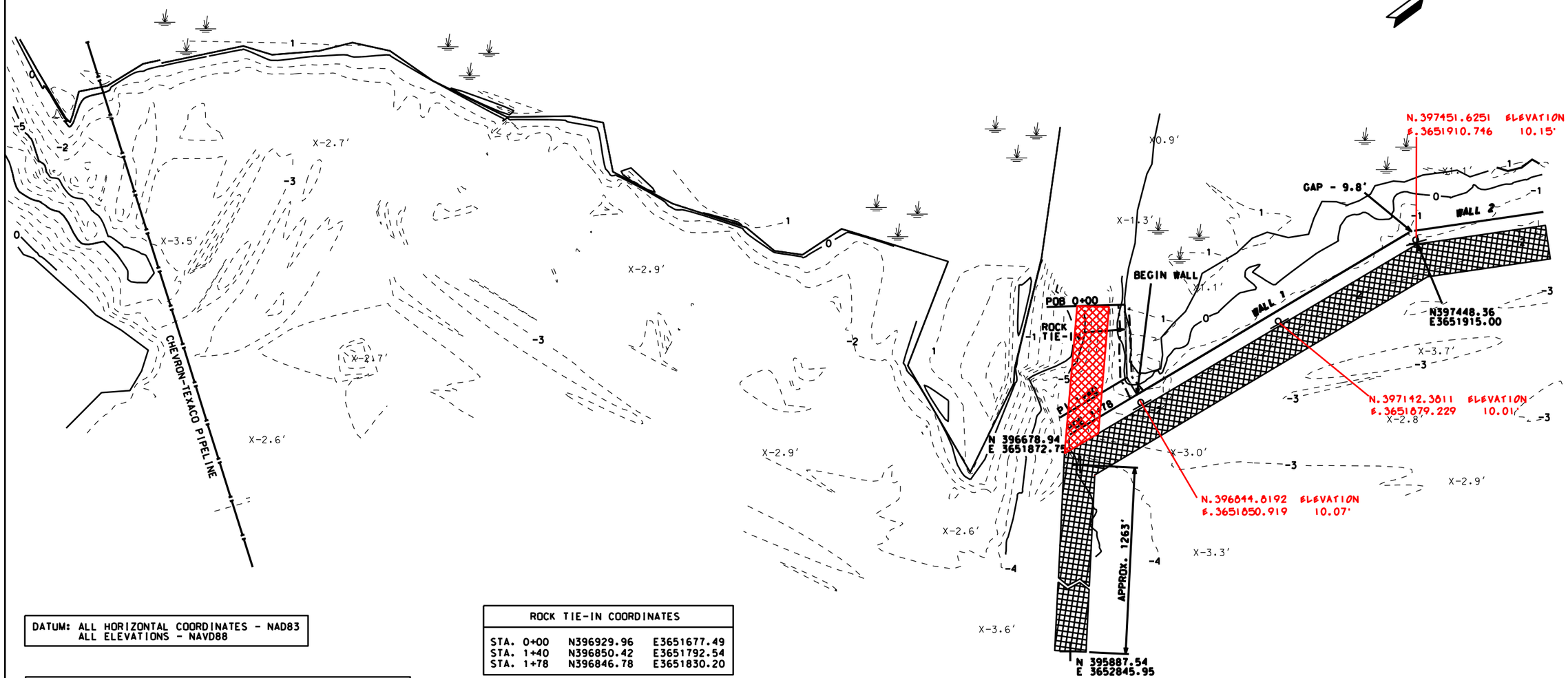
SITE MAP
BA-27 - LANDBRIDGE CU#5
LAFOURCHE PARISH, LA.

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

		Date
Designed	C. LAFLEUR	05/04
Drawn	D.J. WILMORE	05/04
Traced		
Checked	B. STICKER	05/04

Approved by E.J. GIERING III — Date
Title STATE CONSERVATION ENGINEER ALEXANDRIA, LA.
Title

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



DATUM: ALL HORIZONTAL COORDINATES - NAD83
ALL ELEVATIONS - NAVD88

ROCK TIE-IN COORDINATES		
STA. 0+00	N396929.96	E3651677.49
STA. 1+40	N396850.42	E3651792.54
STA. 1+78	N396846.78	E3651830.20

LEGEND

- PROPOSED ACCESS CHANNEL
- PROPOSED CONCRETE WALL
- PROPOSED PERMANENT WARNING SIGNS
- EXISTING PIPELINE
- EXISTING STRUCTURE ℄
- EXISTING WARNING SIGN
- EXISTING SETTLEMENT PLATE
- SOIL BORING LOCATION

BEGIN WALL 1	396847.1569	3651829.9112
END WALL 1	397460.7239	3651891.8148

WALL ALIGNMENT

	NORTHING (Y)	EASTING (X)	BEARING	DISTANCE	PILE SIZE	SPACING
BEGIN WALL 1 END WALL 1	~~396846.78~~ ~~397451.63~~	~~3651830.20~~ ~~3651888.66~~	N5°31'14"E	~~607.67~~ 616.60	24"X24"X79' 18 STRAND	19'C-C
BEGIN WALL 2 END WALL 2	~~397460.92~~ ~~398752.47~~	~~3651891.80~~ ~~3652578.30~~	N27°59'31"E	~~1462.67~~ 1463.35	24"X24"X79' 18 STRAND	19'C-C

BEGIN WALL 2	397460.7239	3651891.8148
END WALL 2	398752.7482	3652578.8057

PLAN - WALL NOS. 1-2

"AS BUILT"

100 0 100 200 300 400
SCALE IN FEET

Approved by E.J. GIERING III Date
Title STATE CONSERVATION ENGINEER
ALEXANDRIA, LA.
Title

Designed C. LAFLEUR 05/04 Date
Drawn D.J. WILMORE 05/04
Traced
Checked B. STICKER mm/yy

PLAN - WALLS #1-2
BA-27 - LANDBRIDGE CU#5
LAFOURCHE PARISH, LA.

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

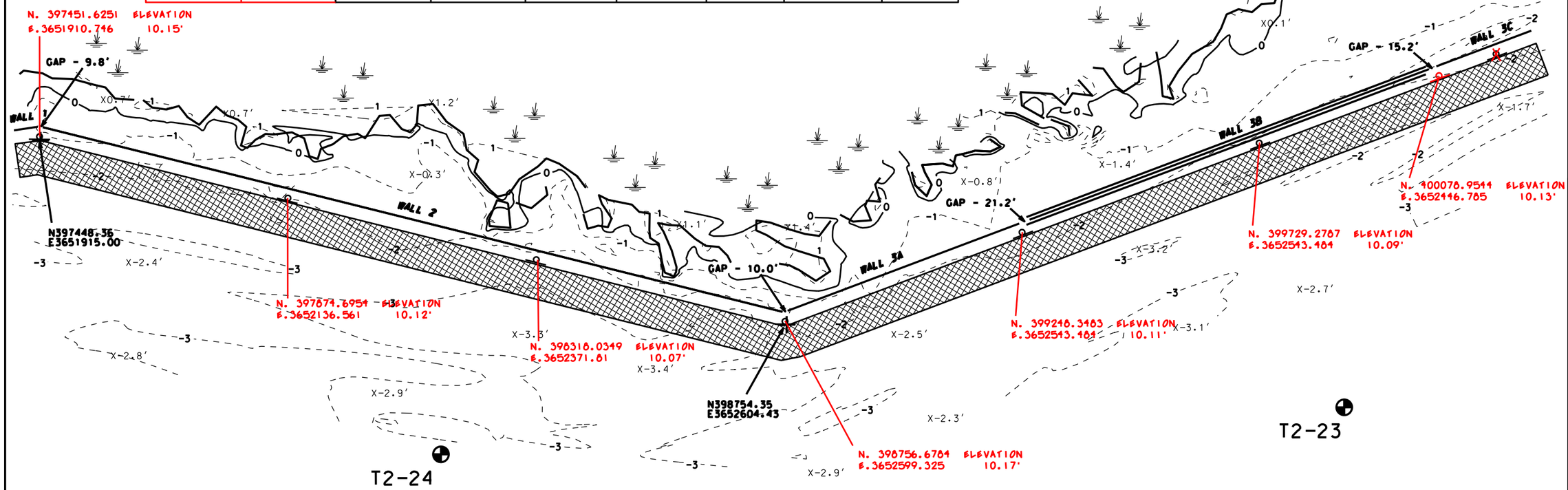
REVISIONS
DATE REV.NO. APPR. TITLE

CAD FILENAME
LA345004.DGN
PROJECT NO.
LA345
SHEET NO 4 OF 23

DATUM: ALL HORIZONTAL COORDINATES - NAD83
ALL ELEVATIONS - NAVD88

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

NORTHING	EASTING	WALL ALIGNMENT	NORTHING (Y)	EASTING (X)	BEARING	DISTANCE	PILE SIZE	SPACING
397460.7239	3651891.8146	BEGIN WALL 2	~~397460.92~~	~~3651891.80~~	N27°59'31"E	~~1462.67~~ 1463.35	24"X24"X79' 18 STRAND	19'C-C
398752.7482	3652578.8857	END WALL 2	~~398752.47~~	~~3652578.30~~				
398762.7829	3652578.3644	BEGIN WALL 3A	~~398762.46~~	~~3652578.80~~	N6°38'54"W	~~474.67~~ 475.20	24"X24"X79' 18 STRAND	19'C-C
399234.8016	3652523.725	END WALL 3A	~~397451.63~~	~~3651888.66~~				
399255.8190	3652521.1001	BEGIN WALL 3B	~~399255.12~~	~~3652521.38~~	N6°38'54"W	~~818.67~~ 818.29	24"X24"X70' 16 STRAND	21'C-C
400068.1254	3652426.5070	END WALL 3B	~~400068.28~~	~~3652426.60~~				
400083.5298	3652424.7287	BEGIN WALL 3C	~~400083.51~~	~~3652424.82~~	N6°38'54"W	~~614.67~~ 614.41	24"X24"X70' ~~20"X20"X70'~~ 16 STRAND	15'C-C
400693.7067	3652353.3706	END WALL 3C	~~400694.05~~	~~3652353.66~~				



LEGEND

- PROPOSED ACCESS CHANNEL
- PROPOSED CONCRETE WALL
- PROPOSED PERMANENT WARNING SIGNS
- EXISTING PIPELINE
- EXISTING STRUCTURE ℄
- EXISTING WARNING SIGN
- EXISTING SETTLEMENT PLATE
- SOIL BORING LOCATION

PLAN - WALL NOS. 1-3

"AS BUILT"

100 0 100 200 300 400
SCALE IN FEET

Approved by E.J. GIERING III — Date
Title — STATE CONSERVATION ENGINEER ALEXANDRIA, LA.
Title

Designed C. LAFLEUR — Date 05/04
Drawn D.J. WILMORE — 05/04
Traced
Checked B. STICKER — mm/yy

PLAN - WALLS #1 - 3
BA-27 - LANDBRIDGE CU#5
LAFOURCHE PARISH, LA.

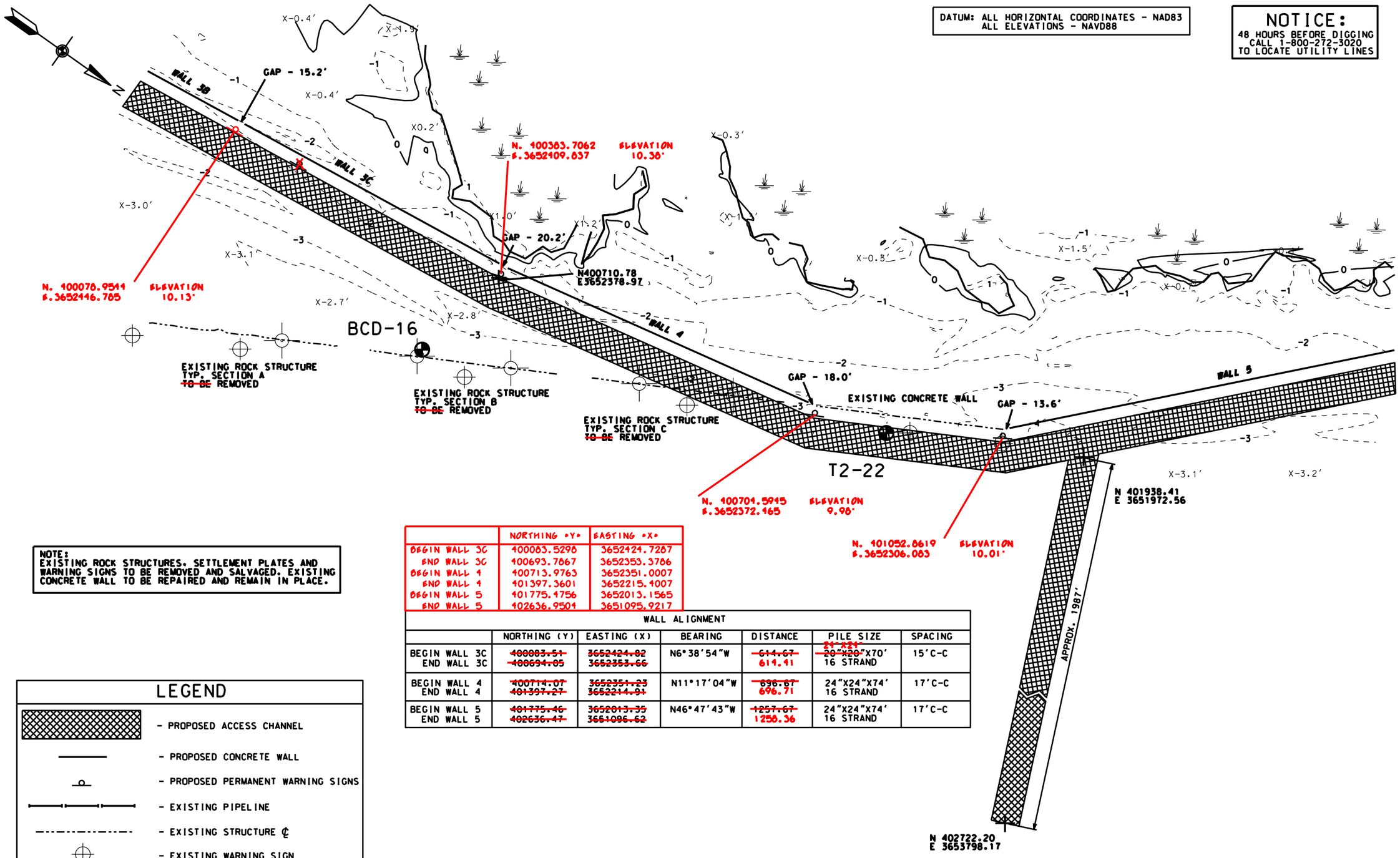
U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE

REVISIONS: DATE | REV. NO. | APPR. | TITLE

CAD FILENAME LA345005.DGN
PROJECT NO. LA345
SHEET NO 5 OF 23

DATUM: ALL HORIZONTAL COORDINATES - NAD83
ALL ELEVATIONS - NAVD88

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



NOTE:
EXISTING ROCK STRUCTURES, SETTLEMENT PLATES AND WARNING SIGNS TO BE REMOVED AND SALVAGED. EXISTING CONCRETE WALL TO BE REPAIRED AND REMAIN IN PLACE.

	NORTHING "Y"	EASTING "X"
BEGIN WALL 3C	400083.5298	3652424.7287
END WALL 3C	400693.7667	3652353.3786
BEGIN WALL 4	400713.9763	3652351.0007
END WALL 4	401397.3601	3652215.4007
BEGIN WALL 5	401775.4756	3652013.1565
END WALL 5	402636.9504	3651095.9217

WALL ALIGNMENT

	NORTHING (Y)	EASTING (X)	BEARING	DISTANCE	PILE SIZE	SPACING
BEGIN WALL 3C END WALL 3C	~~400083.51~~ ~~400694.05~~	~~3652424.82~~ ~~3652353.66~~	N6°38'54"W	~~614.67~~ 614.41	~~24"X24"~~ ~~20"X20"~~X70' 16 STRAND	15'C-C
BEGIN WALL 4 END WALL 4	~~400714.07~~ ~~401397.27~~	~~3652351.23~~ ~~3652214.91~~	N11°17'04"W	~~696.67~~ 696.71	24"X24"X74' 16 STRAND	17'C-C
BEGIN WALL 5 END WALL 5	~~401775.46~~ ~~402636.47~~	~~3652013.35~~ ~~3651096.62~~	N46°47'43"W	~~1257.67~~ 1250.36	24"X24"X74' 16 STRAND	17'C-C

LEGEND

- PROPOSED ACCESS CHANNEL
- PROPOSED CONCRETE WALL
- PROPOSED PERMANENT WARNING SIGNS
- EXISTING PIPELINE
- EXISTING STRUCTURE ℄
- EXISTING WARNING SIGN
- EXISTING SETTLEMENT PLATE
- SOIL BORING LOCATION

PLAN - WALL NOS. 3-5

100 0 100 200 300 400
SCALE IN FEET

"AS BUILT"

Date
Approved by E.J. GIERING III
Title STATE CONSERVATION ENGINEER
ALEXANDRIA, LA.
Title

Designed C. LAFLEUR 05/04
Drawn D.J. WILMORE 05/04
Traced
Checked B. STICKER mm/yy

PLAN - WALLS #3 - 5
BA-27 - LANDBRIDGE CU#5
LAFOURCHE PARISH, LA.

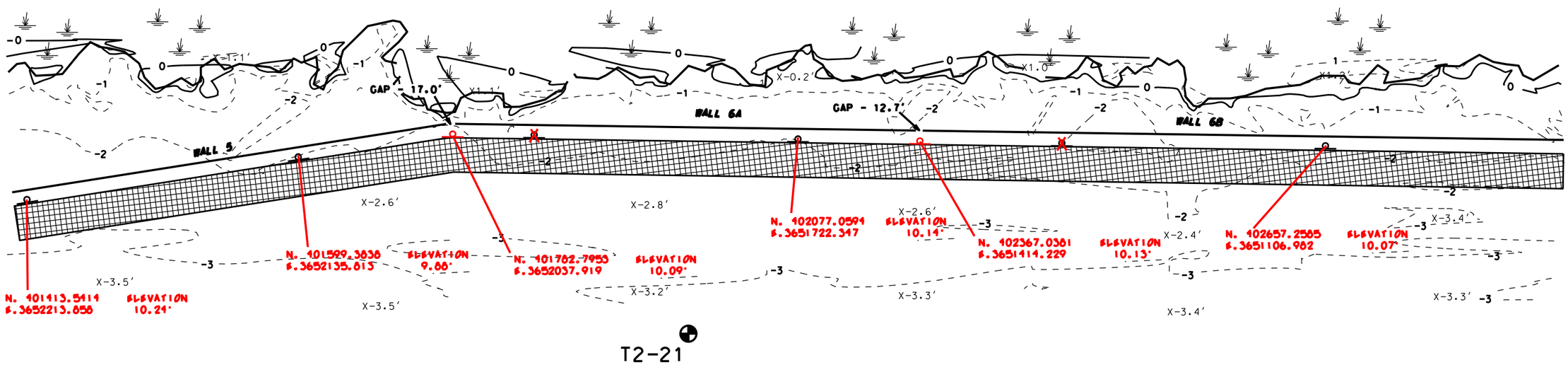
U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE

REVISIONS
DATE REV.NO. APPR. TITLE

CAD FILENAME
LA345006.DGN
PROJECT NO.
LA345
SHEET NO 6 OF 23

DATUM: ALL HORIZONTAL COORDINATES - NAD83
ALL ELEVATIONS - NAVD88

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



	NORTHING •Y•	EASTING •X•
BEGIN WALL 6A	402649.6311	3651086.4650
END WALL 6A	403337.967	3650568.0115
BEGIN WALL 6B	403347.5436	3650560.8431
END WALL 6B	405544.2763	3648904.5152

WALL ALIGNMENT

	NORTHING (Y)	EASTING (X)	BEARING	DISTANCE	PILE SIZE	SPACING
BEGIN WALL 6A	~~402649.90~~	~~3651086.01~~	N37°01'16"W	~~868.67~~ 861.74	24"X24"X74' 16 STRAND	21'C-C
END WALL 6A	~~403337.87~~	~~3650567.79~~				
BEGIN WALL 6B	~~403347.19~~	~~3650560.16~~	N37°01'16"W	~~2758.67~~ 2751.19	24"X24"X71' 18 STRAND	21'C-C
END WALL 6B	~~405543.37~~	~~3648903.96~~				

LEGEND

- PROPOSED ACCESS CHANNEL
- PROPOSED CONCRETE WALL
- PROPOSED PERMANENT WARNING SIGNS
- EXISTING PIPELINE
- EXISTING STRUCTURE ℄
- EXISTING WARNING SIGN
- EXISTING SETTLEMENT PLATE
- SOIL BORING LOCATION

PLAN - WALL NO. 5 & 6

100 0 100 200 300 400
SCALE IN FEET

"AS BUILT"

Approved by E.J. GIERING III — Date
Title — STATE CONSERVATION ENGINEER ALEXANDRIA, LA.

Designed C. LAFLEUR — Date 05/04
Drawn D.J. WILMORE — 05/04
Traced
Checked B. STICKER — mm/yy

PLAN - WALL #5 & 6
BA-27 - LANDBRIDGE CU#5
LAFOURCHE PARISH, LA.

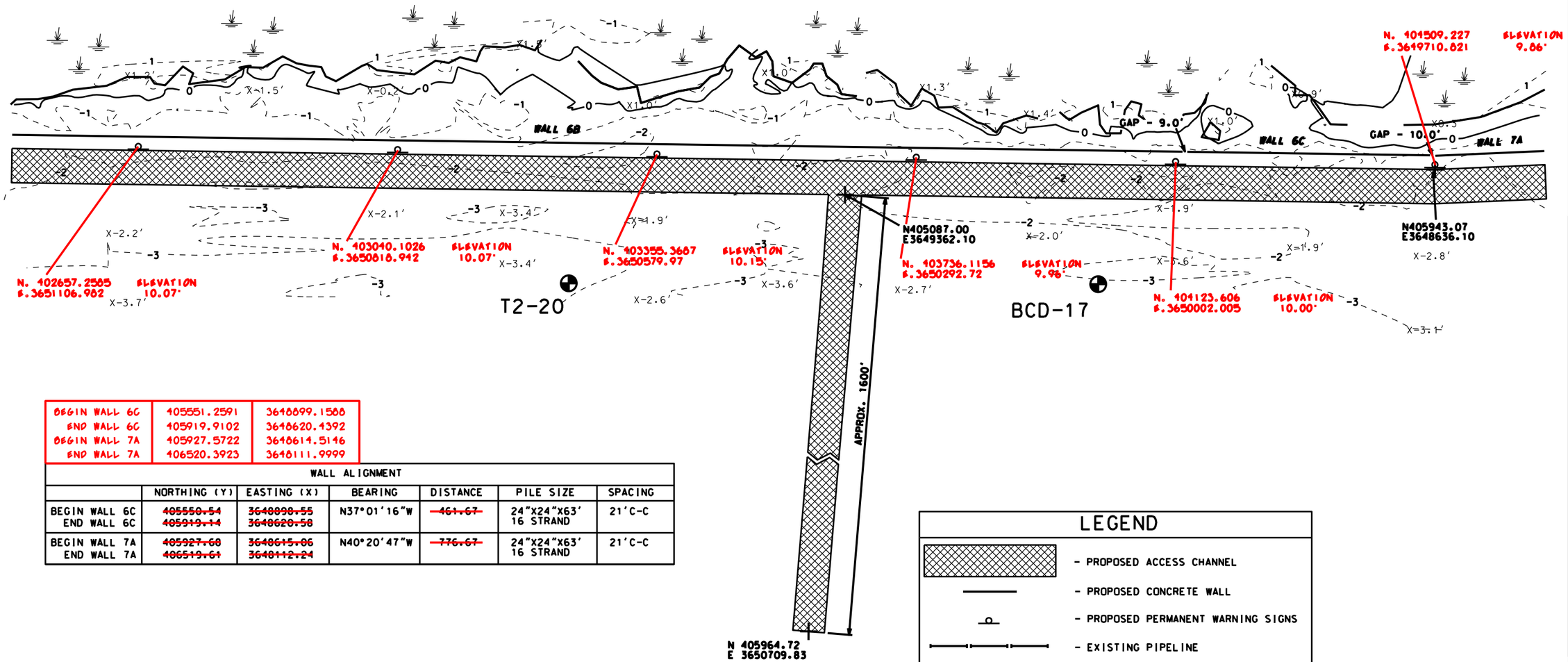
U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE

REVISIONS: DATE | REV.NO. | APPR. | TITLE

CAD FILENAME LA345007.DGN
PROJECT NO. LA345
SHEET NO 7 OF 23

DATUM: ALL HORIZONTAL COORDINATES - NAD83
ALL ELEVATIONS - NAVD88

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



BEGIN WALL 6C	405551.2591	3648899.1588
END WALL 6C	405919.9102	3648620.4392
BEGIN WALL 7A	405927.5722	3648614.5146
END WALL 7A	406520.3923	3648111.9999

WALL ALIGNMENT

	NORTHING (Y)	EASTING (X)	BEARING	DISTANCE	PILE SIZE	SPACING
BEGIN WALL 6C END WALL 6C	~~405550.54~~ ~~405919.14~~	~~3648898.55~~ ~~3648620.58~~	N37°01'16"W	~~461.67~~	24"X24"X63' 16 STRAND	21'C-C
BEGIN WALL 7A END WALL 7A	~~405927.68~~ ~~406519.61~~	~~3648615.06~~ ~~3648112.24~~	N40°20'47"W	~~776.67~~	24"X24"X63' 16 STRAND	21'C-C

LEGEND

- PROPOSED ACCESS CHANNEL
- PROPOSED CONCRETE WALL
- PROPOSED PERMANENT WARNING SIGNS
- EXISTING PIPELINE
- EXISTING STRUCTURE ℄
- EXISTING WARNING SIGN
- EXISTING SETTLEMENT PLATE
- SOIL BORING LOCATION

"AS BUILT"

PLAN - WALL NOS. 6 & 7

100 0 100 200 300 400
SCALE IN FEET

Approved by E.J. GIERING III — Date
Title — STATE CONSERVATION ENGINEER, ALEXANDRIA, LA.
Designed C. LAFLEUR 05/04
Drawn D.J. WILMORE 05/04
Traced
Checked B. STICKER mm/yy
Title

PLAN - WALLS #6 - 7
BA-27 - LANDBRIDGE CU#5
LAFOURCHE PARISH, LA.

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

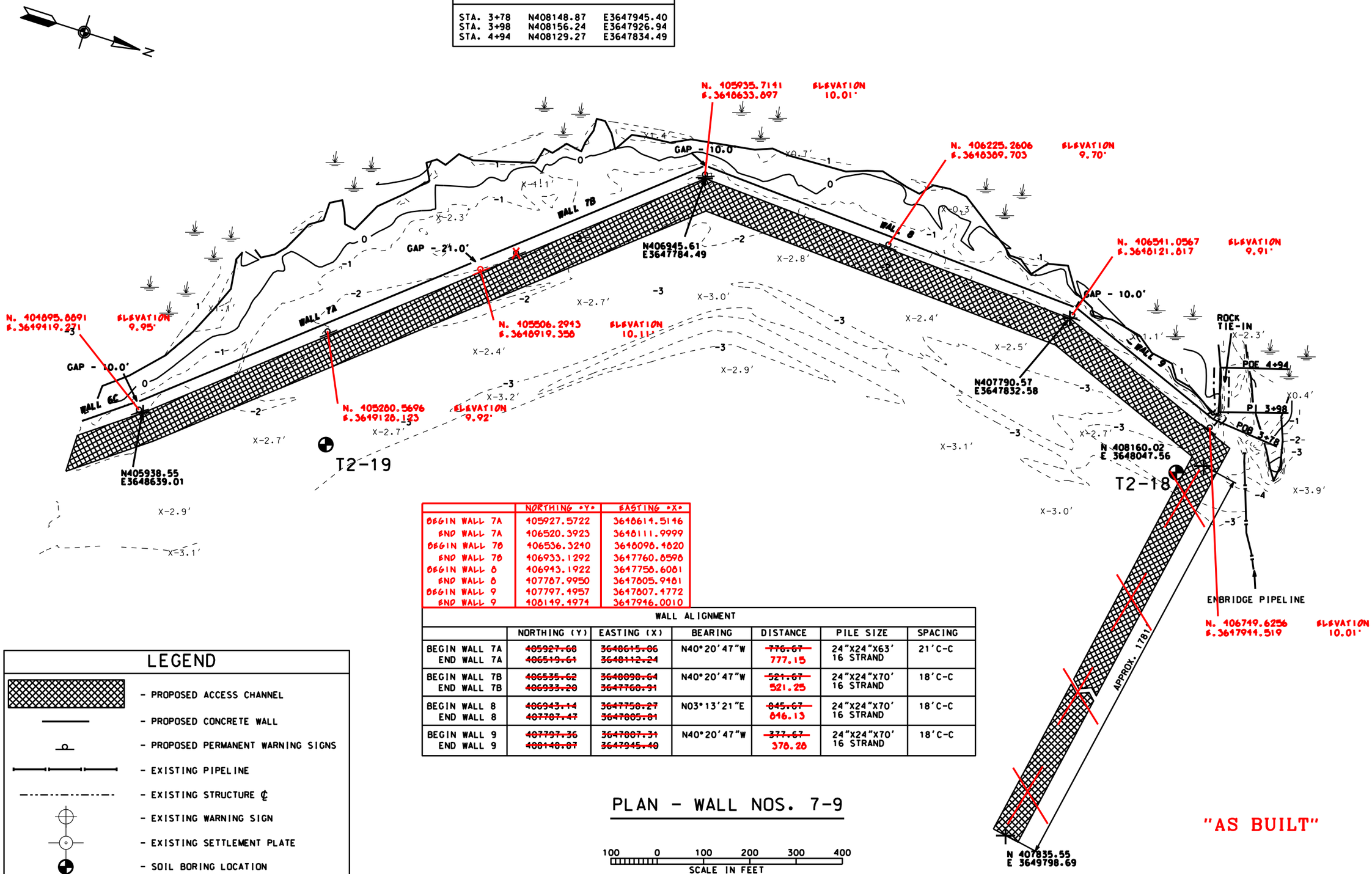
REVISIONS: DATE | REV.NO. | APPR. | TITLE

CAD FILENAME LA345008.DGN
PROJECT NO. LA345
SHEET NO 8 OF 23

DATUM: ALL HORIZONTAL COORDINATES - NAD83
ALL ELEVATIONS - NAVD88

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

ROCK TIE-IN COORDINATES		
STA. 3+78	N408148.87	E3647945.40
STA. 3+98	N408156.24	E3647926.94
STA. 4+94	N408129.27	E3647834.49



	NORTHING •Y•	EASTING •X•
BEGIN WALL 7A	405927.5722	3648614.5146
END WALL 7A	406520.3923	3648111.9999
BEGIN WALL 7B	406536.3240	3648098.4820
END WALL 7B	406933.1292	3647760.8596
BEGIN WALL 8	406943.1922	3647758.6081
END WALL 8	407787.9950	3647805.9481
BEGIN WALL 9	407797.4957	3647807.4772
END WALL 9	408149.4974	3647946.0010

WALL ALIGNMENT

	NORTHING (Y)	EASTING (X)	BEARING	DISTANCE	PILE SIZE	SPACING
BEGIN WALL 7A END WALL 7A	~~405927.68~~ ~~406519.61~~	~~3648615.06~~ ~~3648112.24~~	N40°20'47"W	~~776.67~~ 777.15	24"X24"X63' 16 STRAND	21'C-C
BEGIN WALL 7B END WALL 7B	~~406535.62~~ ~~406933.20~~	~~3648098.64~~ ~~3647760.91~~	N40°20'47"W	~~521.67~~ 521.25	24"X24"X70' 16 STRAND	18'C-C
BEGIN WALL 8 END WALL 8	~~406943.14~~ ~~407787.47~~	~~3647758.27~~ ~~3647805.81~~	N03°13'21"E	~~845.67~~ 846.13	24"X24"X70' 16 STRAND	18'C-C
BEGIN WALL 9 END WALL 9	~~407797.36~~ ~~408148.87~~	~~3647807.31~~ ~~3647945.40~~	N40°20'47"W	~~377.67~~ 376.28	24"X24"X70' 16 STRAND	18'C-C

LEGEND

- PROPOSED ACCESS CHANNEL
- PROPOSED CONCRETE WALL
- PROPOSED PERMANENT WARNING SIGNS
- EXISTING PIPELINE
- EXISTING STRUCTURE ℄
- EXISTING WARNING SIGN
- EXISTING SETTLEMENT PLATE
- SOIL BORING LOCATION

PLAN - WALL NOS. 7-9

100 0 100 200 300 400
SCALE IN FEET

		Date
Designed	C. LAFLEUR	05/04
Drawn	D.J. WILMORE	05/04
Traced		
Checked	B. STICKER	mm/yy

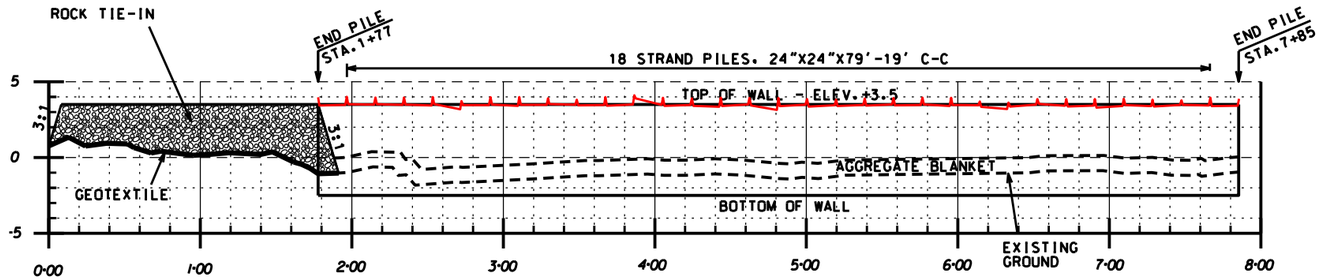
Approved by E.J. GIERING III — Date
Title — STATE CONSERVATION ENGINEER, ALEXANDRIA, LA.
Title

PLAN - WALLS #7 - 9
BA-27 - LANDBRIDGE CU#5
LAFOURCHE PARISH, LA.

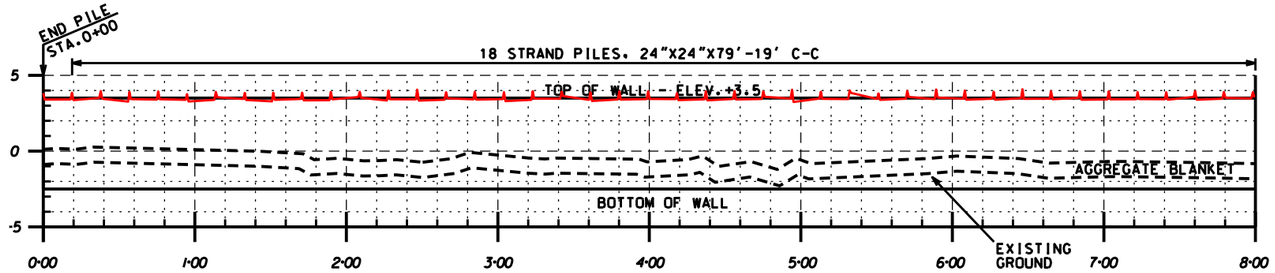
U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE

REVISIONS: DATE | REV. NO. | APPR. | TITLE

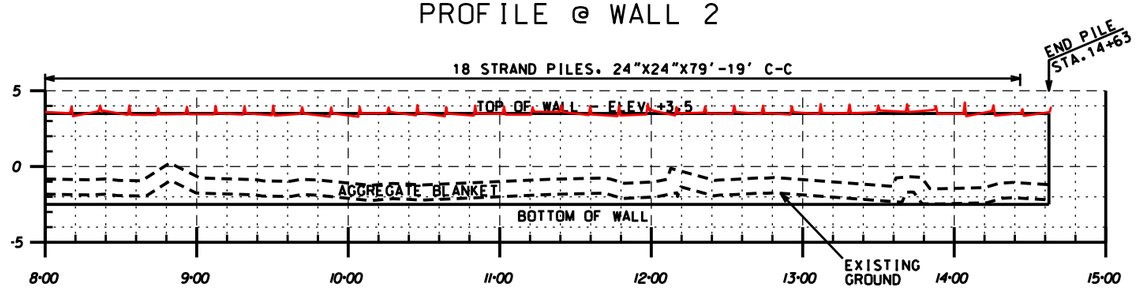
CAD FILENAME
LA345009.DGN
PROJECT NO.
LA345
SHEET NO 9 OF 23



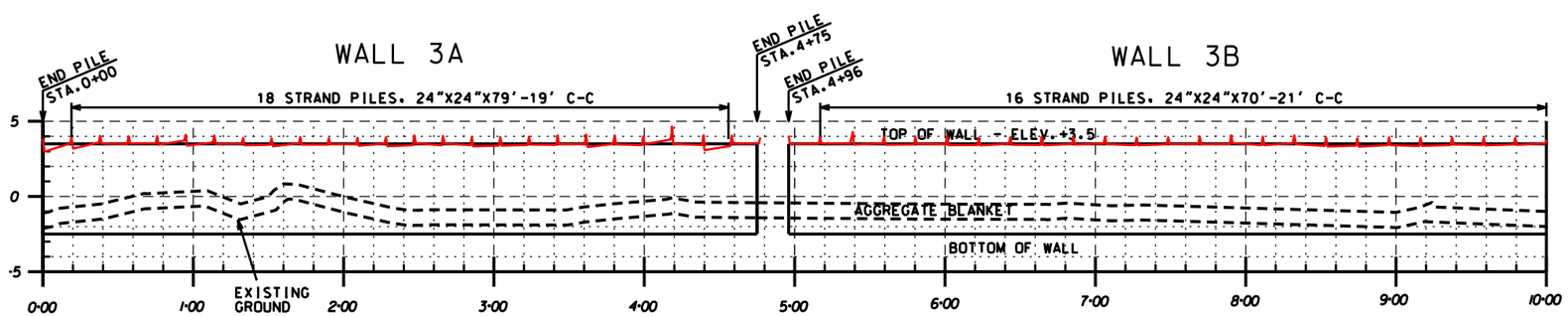
PROFILE @ WALL 1



PROFILE @ WALL 2



PROFILE @ WALL 2 (CONT.)



PROFILE @ WALL 3

"AS BUILT"

NOTE:
1. ALL END PILES ON ALL WALL SECTIONS WILL BE ~~20"X20"~~ 24" 24"X61'.
2. SEE SHEET 15 FOR DETAILS

		Date
Designed	C. LAFLEUR	05/04
Drawn	D.J. WILMORE	05/04
Traced		
Checked	B. STICKER	05/04

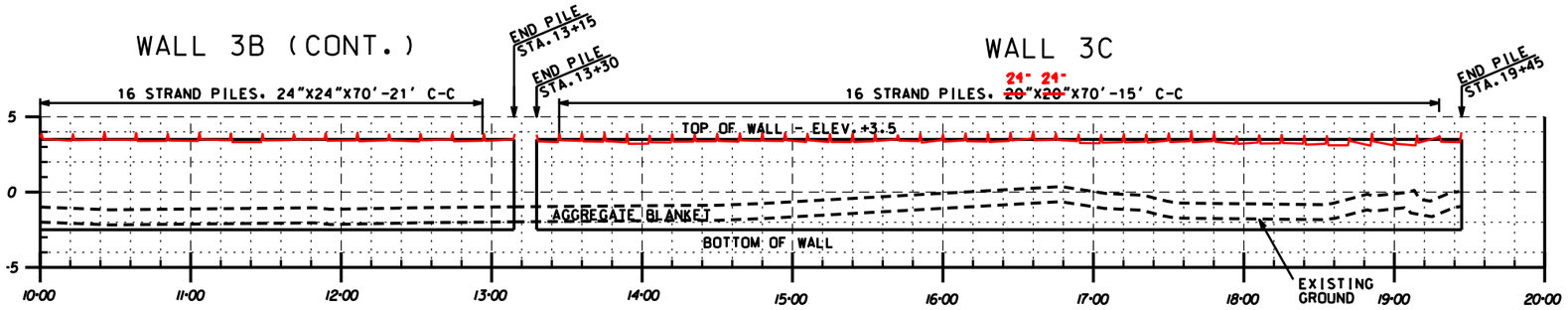
Approved by E.J. GIERING III — Date
Title — STATE CONSERVATION ENGINEER, ALEXANDRIA, LA.
Title

PROFILE - AGGREGATE BLANKET
WALLS 1 - 3
BA-27 - LANDBRIDGE CU#5
LAFOURCHE PARISH, LA.

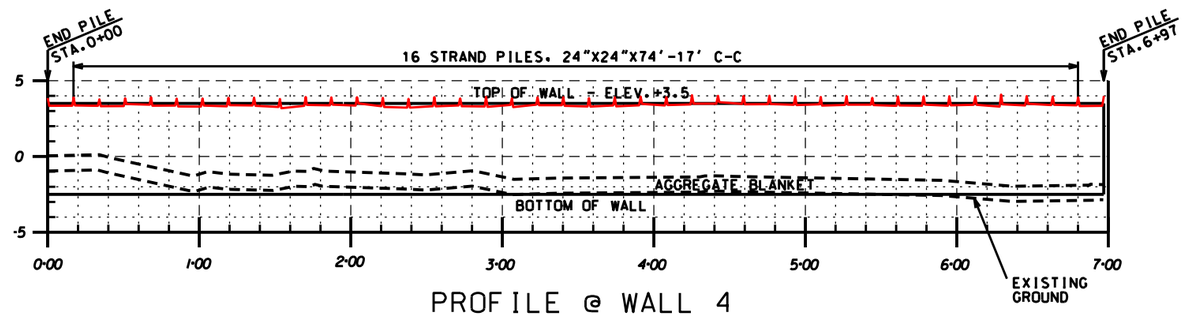
U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE

REVISIONS: DATE | REV.NO. | APPR. | TITLE

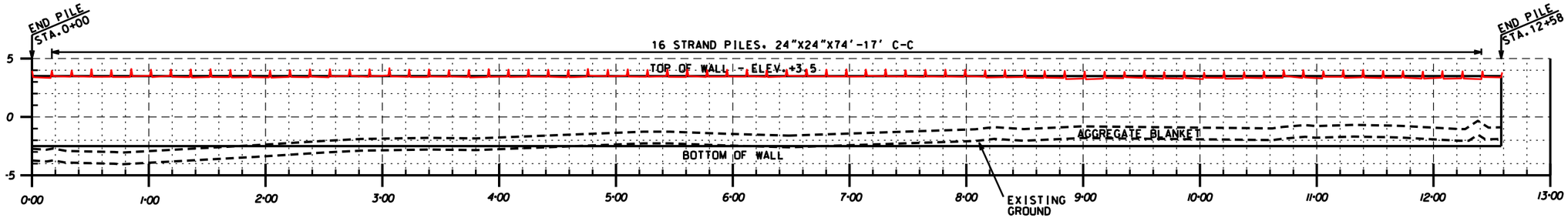
CAD FILENAME LA345010.DGN
PROJECT NO. LA345
SHEET NO 10 OF 23



PROFILE @ WALL 3 (CONT.)

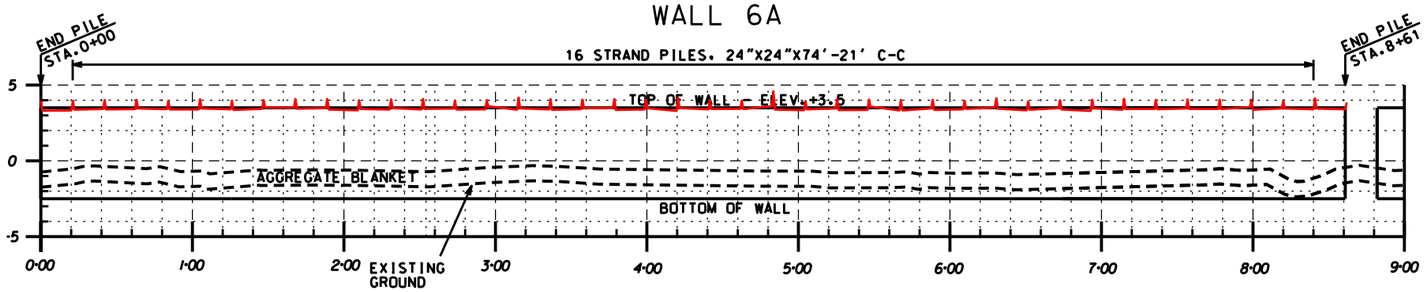


PROFILE @ WALL 4



PROFILE @ WALL 5

WALL 6A



PROFILE @ WALL 6

"AS BUILT"

NOTE:
1. ALL END PILES ON ALL WALL SECTIONS WILL BE ~~20~~ 24"X~~20~~ 24"X61'.
2. SEE SHEET 15 FOR DETAILS

PROFILE - AGGREGATE BLANKET
WALLS 3 - 6
BA-27 - LANDBRIDGE CU#5
LAFOURCHE PARISH, LA.

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

		Date
Designed	C. LAFLEUR	05/04
Drawn	D.J. WILMORE	05/04
Traced		
Checked	B. STICKER	05/04

Approved by E.J. GIERING III — Title — STATE CONSERVATION ENGINEER, ALEXANDRIA, LA.

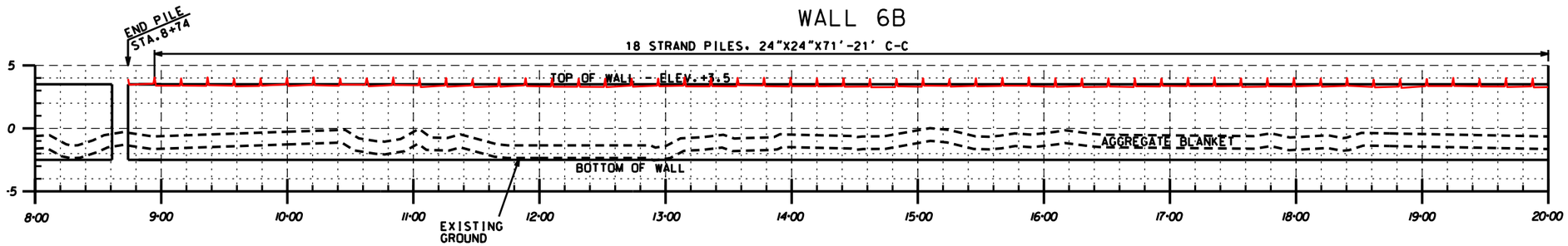
DATE	REV. NO.	APPR.	TITLE

REVISIONS

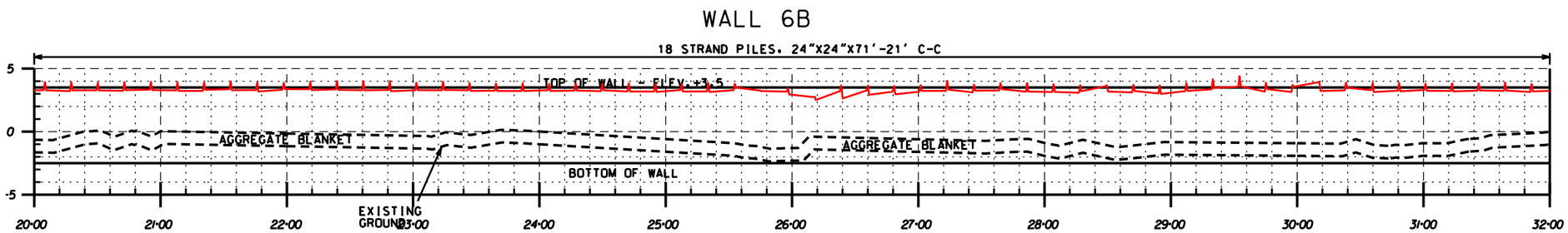
CAD FILENAME LA345011.DGN

PROJECT NO. LA345

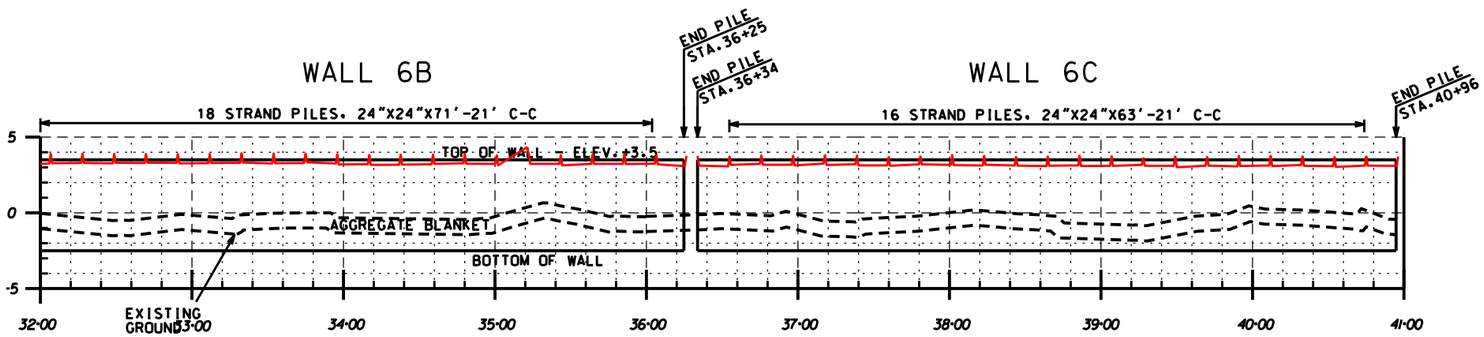
SHEET NO 11 OF 23



PROFILE @ WALL 6 (CONT.)



PROFILE @ WALL 6 (CONT.)



PROFILE @ WALL 6 (CONT.)

"AS BUILT"

NOTE:
1. ALL END PILES ON ALL WALL SECTIONS WILL BE ~~20~~"X~~20~~"X61'. (24" X 24")
2. SEE SHEET 15 FOR DETAILS

		Date
Approved by	E.J. GIERING III	
Title	STATE CONSERVATION ENGINEER ALEXANDRIA, LA.	

		Date
Designed	C. LAFLEUR	05/04
Drawn	D.J. WILMORE	05/04
Traced		
Checked	B. STICKER	05/04
Title		

PROFILE - AGGREGATE BLANKET
WALL 6
BA-27 - LANDBRIDGE CU#5
LAFOURCHE PARISH, LA.

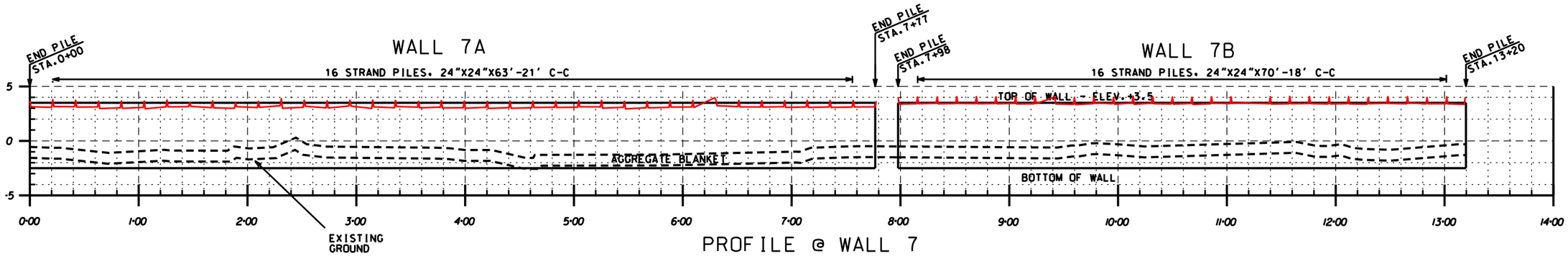
U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE

REVISIONS			
DATE	REV. NO.	APPR.	TITLE

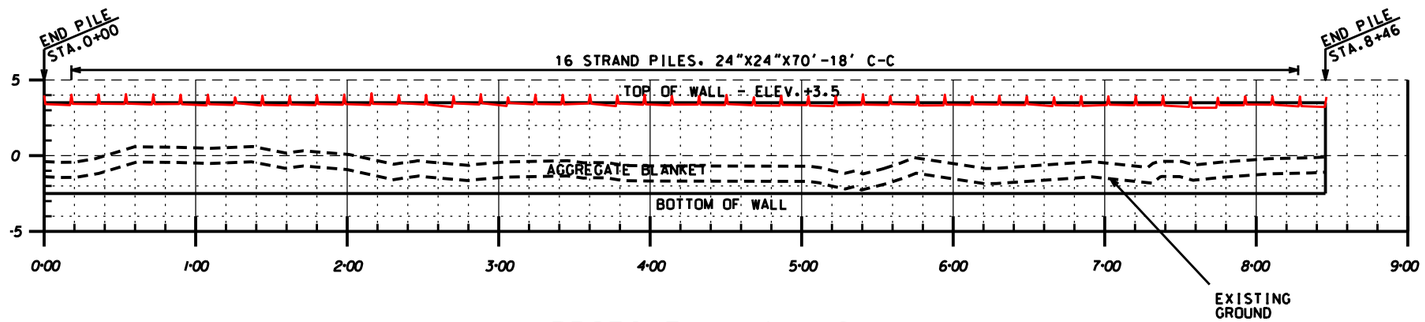
CAD FILENAME
LA345012.DGN

PROJECT NO.
LA345

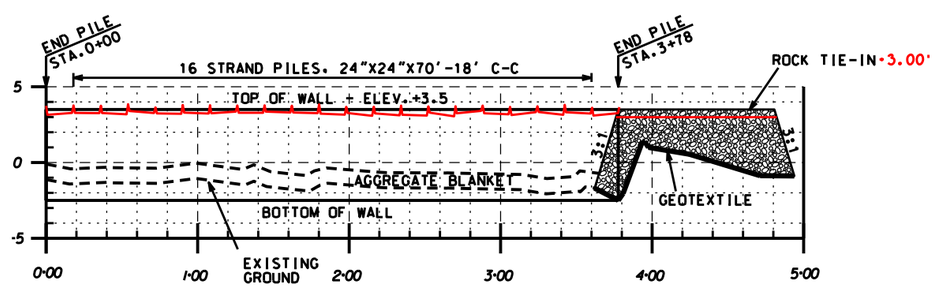
SHEET NO 12 OF 23



PROFILE @ WALL 7



PROFILE @ WALL 8



PROFILE @ WALL 9

"AS BUILT"

NOTE:
1. ALL END PILES ON ALL WALL SECTIONS WILL BE ~~20~~"X~~20~~"X61'. (24" 24")
2. SEE SHEET 15 FOR DETAILS

Approved by E.J. GIERING III — Date
Title — STATE CONSERVATION ENGINEER, ALEXANDRIA, LA.
Title

Designed C. LAFLEUR 05/04
Drawn D.J. WILMORE 05/04
Traced
Checked B. STICKER 05/04

PROFILE - AGGREGATE BLANKET
WALLS 7 - 9
BA-27 - LANDBRIDGE CU#5
LAFOURCHE PARISH, LA.

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

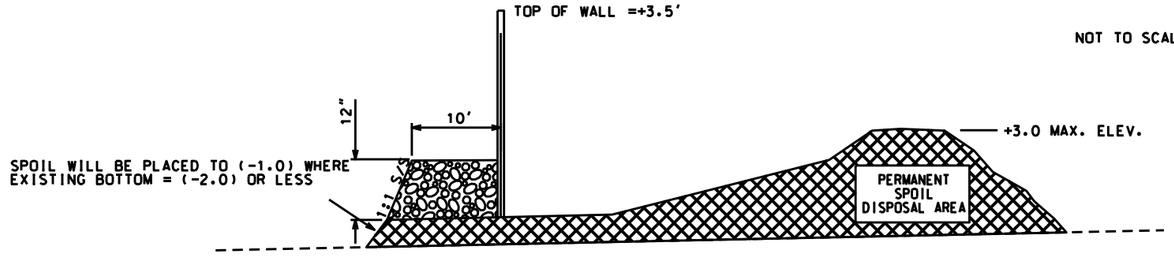
REVISIONS
DATE | REV.NO. | APPR. | TITLE

CAD FILENAME
LA345013.DGN

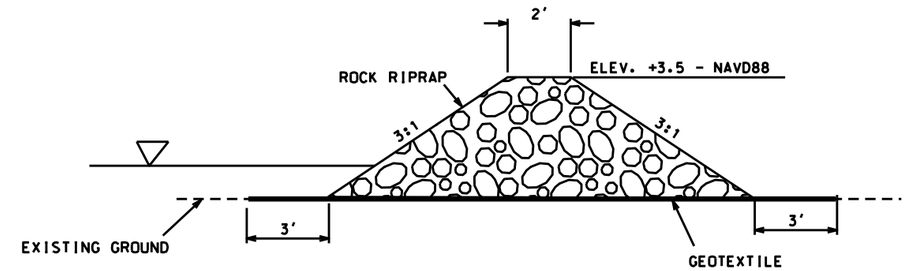
PROJECT NO.
LA345

SHEET NO 13 OF 23

NOT TO SCALE



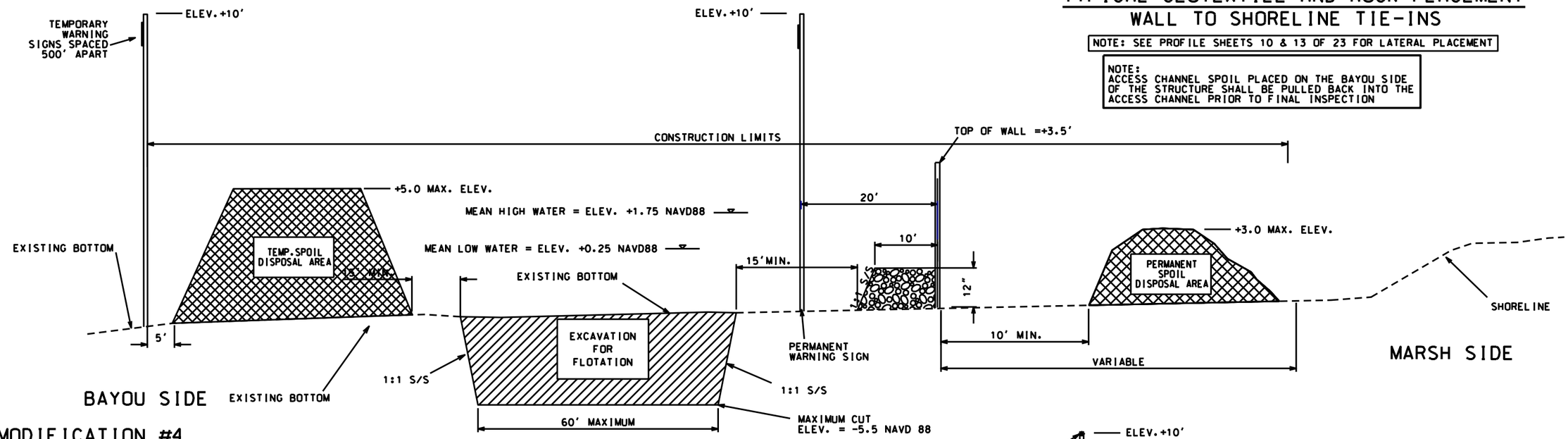
SPOIL PLACEMENT - UNDER AGGREGATE



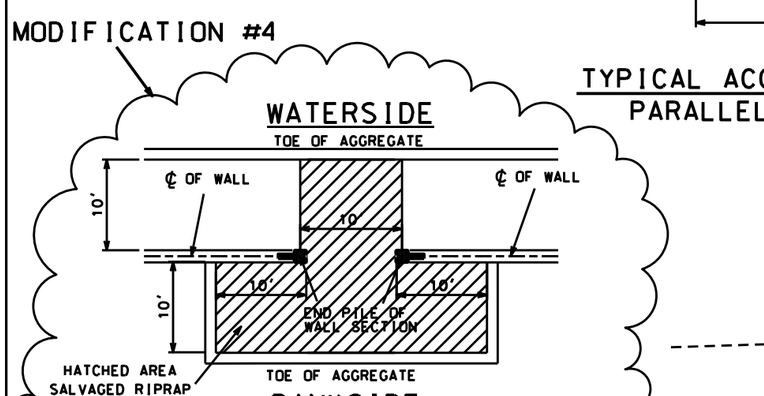
TYPICAL GEOTEXTILE AND ROCK PLACEMENT
WALL TO SHORELINE TIE-INS

NOTE: SEE PROFILE SHEETS 10 & 13 OF 23 FOR LATERAL PLACEMENT

NOTE:
ACCESS CHANNEL SPOIL PLACED ON THE BAYOU SIDE OF THE STRUCTURE SHALL BE PULLED BACK INTO THE ACCESS CHANNEL PRIOR TO FINAL INSPECTION



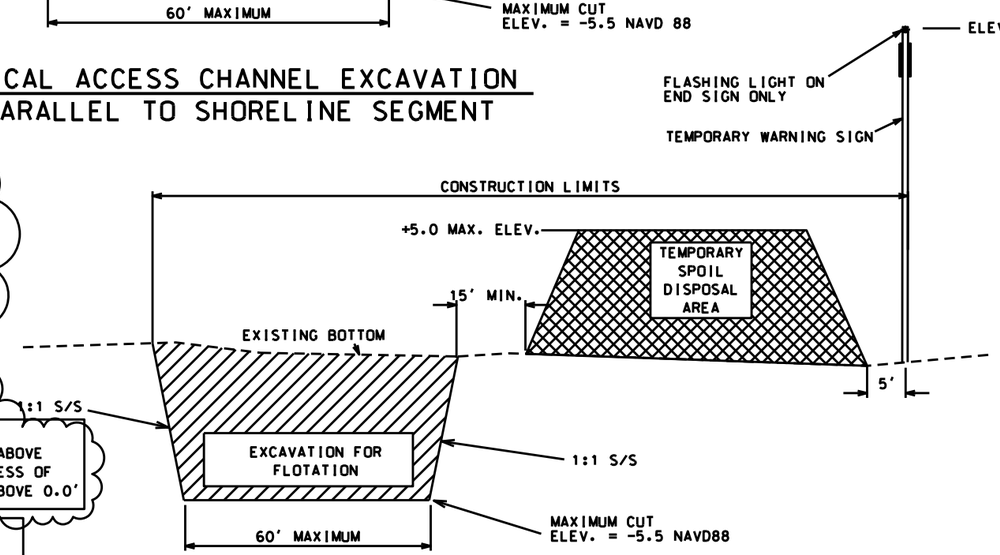
TYPICAL ACCESS CHANNEL EXCAVATION
PARALLEL TO SHORELINE SEGMENT



NOTE MODIFICATION #4:
THE MATERIAL UTILIZED TO CONSTRUCT THE AREA SHOWN AS CROSS-HATCH ABOVE MAY BE SALVAGED ROCK RIPRAP OR SURFACE COARSE AGGREGATE. REGARDLESS OF WHICH MATERIAL IS USED. THE FINISHED TOP ELEVATION SHALL NOT BE ABOVE 0.0'

NOTE:
SURFACE COURSE AGGREGATE TO BE PLACED ON WATERSIDE AND BANKSIDE OF PROPOSED AND EXISTING CONCRETE WALL AS SHOWN

PLAN-TYPICAL AGGREGATE BLANKET
AT SECTION ENDS UNDER PANELS



TYPICAL ACCESS CHANNEL EXCAVATION
PERPENDICULAR TO SHORELINE

NOTE:
TEMPORARY WARNING SIGNS ON PERPENDICULAR ACCESS CHANNELS SHALL BE PLACED AS FOLLOWS:
ONE SHALL BE PLACED AT THE END OF THE CHANNEL FARTHEST FROM THE WALL ALIGNMENT WITH THE NEXT TWO SIGNS SPACED 250 FEET APART AND THE REMAINING SIGNS SPACED NOT TO EXCEED 500 FEET APART FOR THE REMAINING LENGTH OF THE CHANNEL. THE END SIGN FARTHEST FROM THE WALL ALIGNMENT SHALL HAVE A FLASHING OBSTRUCTION LIGHT AFFIXED TO THE TOP OF THE SIGN SUPPORT.

"AS BUILT"

		Date
Approved by E.J. GIERING III		
Title STATE CONSERVATION ENGINEER ALEXANDRIA, LA.		
Title		

		Date
Designed	C. LAFLEUR	05/04
Drawn	D.J. WILMORE	05/04
Traced		
Checked	B. STICKER	05/04

TYPICAL - ACCESS CHANNEL
ROCK & SPOIL PLACEMENT
BA-27 - LANDBRIDGE CU#5
LAFOURCHE PARISH, LA.

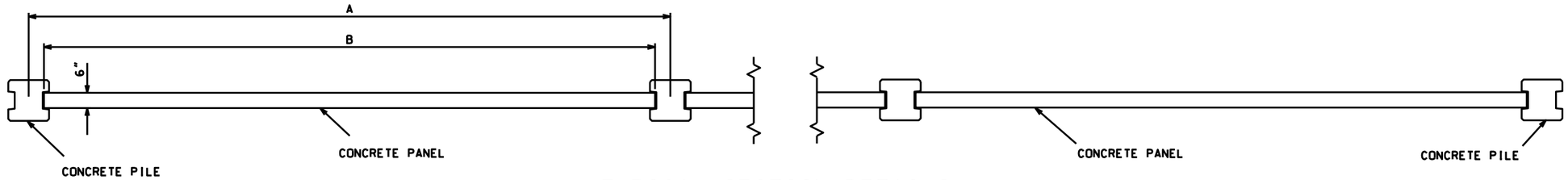
U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE

REVISIONS			
NO.	DATE	APPR.	TITLE
1	6-08	BAS	ASCE

CAD FILENAME
LA345014M4.DGN

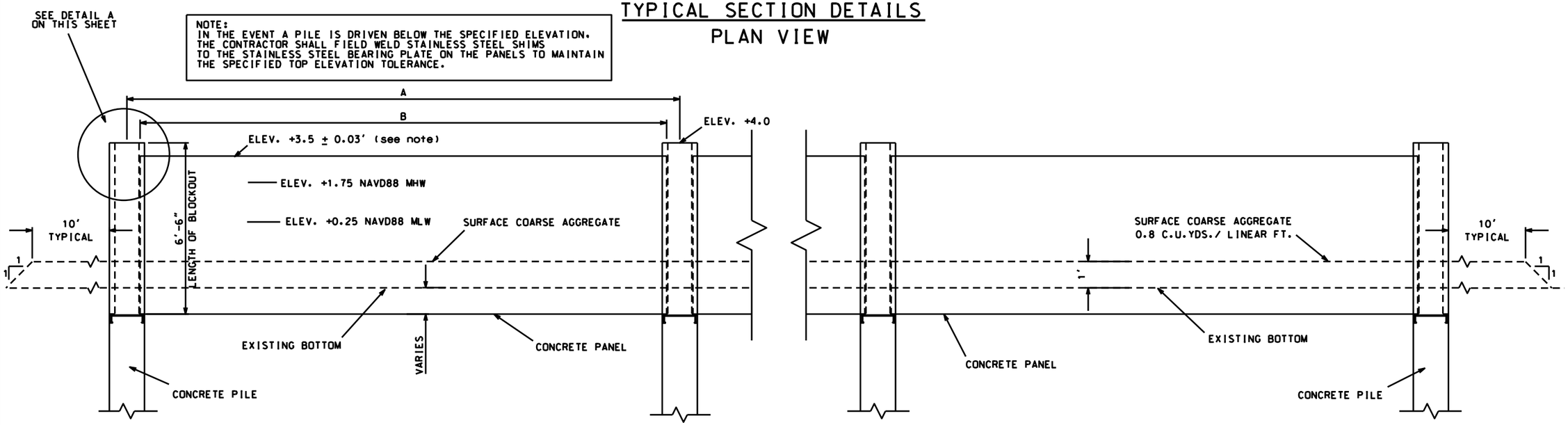
PROJECT NO.
LA345

SHEET NO 14M4 OF 23



TYPICAL SECTION DETAILS
PLAN VIEW

NOTE:
IN THE EVENT A PILE IS DRIVEN BELOW THE SPECIFIED ELEVATION. THE CONTRACTOR SHALL FIELD WELD STAINLESS STEEL SHIMS TO THE STAINLESS STEEL BEARING PLATE ON THE PANELS TO MAINTAIN THE SPECIFIED TOP ELEVATION TOLERANCE.



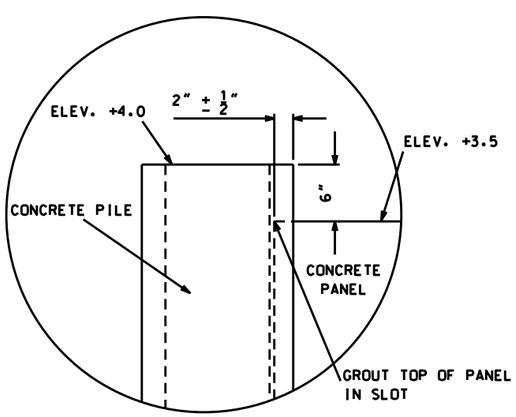
TYPICAL SECTION DETAILS
ELEVATION VIEW

PILE & PANEL SPACING & SIZES					
LOCATION	A	B	PILE LENGTH	PILE SIZE	STRANDS
WALLS 1-3A	19'	17'4"	79'	24"X24"	18
WALL 3B	21'	19'4"	70'	24"X24"	16
WALL 3C	15'	13'8"	70'	24" ~~20"~~X~~20"~~ 24"	16
WALLS 4 & 5	17'	15'4"	74'	24"X24"	16
WALL 6A	21'	19'4"	74'	24"X24"	16
WALL 6B	21'	19'4"	71'	24"X24"	18
WALLS 6C & 7A	21'	19'4"	63'	24"X24"	16
WALLS 7B-9	18'	16'4"	70'	24"X24"	16

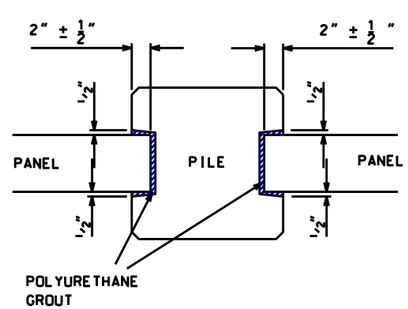
A - CENTER TO CENTER PILE SPACING
B - PANEL LENGTH

NOTE:
1. ALL END PILES ON ALL WALL SECTIONS WILL BE 16 STRAND - ~~20"~~ 24" X ~~20"~~ 24" X61'.
2. MINIMUM ONE FOOT THICK BLANKET OF SURFACE COARSE AGGREGATE TO EXTEND FROM WALL TEN FEET AROUND FRONT. BACK AND ENDS OF CONCRETE PANEL WALL.

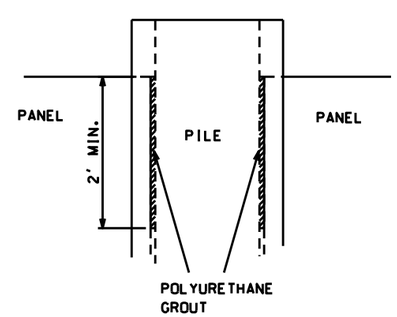
NOTE:
PANEL SHALL BE PLACED WITH EQUAL SPACING BETWEEN PILE NOTCH AND PANEL SIDES AND END. THE PANEL SHALL BE BRACED AGAINST MOVEMENT AND ENTIRE SPACE BETWEEN PILE NOTCH & PANEL SHALL BE GROUTED FROM TOP OF PANEL DOWN FOR A LENGTH OF 2'.



DETAIL A
NOT TO SCALE



PLAN



ELEVATION

GROUTING DETAIL

"AS BUILT"

Date	
Approved by E.J. GIERING III	
Title STATE CONSERVATION ENGINEER ALEXANDRIA, LA.	
Title	

Date	
Designed C. LAFLEUR	05/04
Drawn D.J. WILMORE	05/04
Traced	
Checked B. STICKER	05/04

TYPICAL - CONCRETE WALL
BA-27 - LANDBRIDGE CU#5
LAFOURCHE PARISH, LA.

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

REVISIONS			
DATE	REV.NO.	APPR.	TITLE
9/06	Amend	BAS	ASCE

CAD FILENAME
LA345015.DGN

PROJECT NO.
LA345

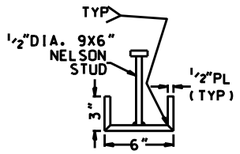
SHEET NO 15 OF 23

PANEL QUANTITIES

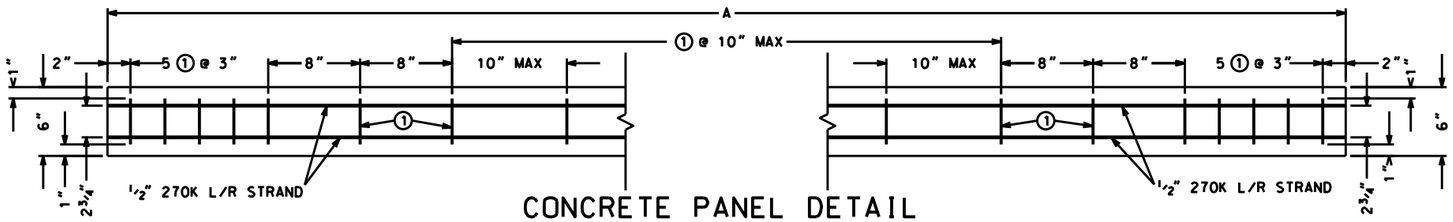
SIZE	NO.
19'-4" X 6'-0"	270
17'-4" X 6'-0"	134
16'-4" X 6'-0"	97
15'-4" X 6'-0"	115
13'-8" X 6'-0"	41

STEEL SCHEDULE

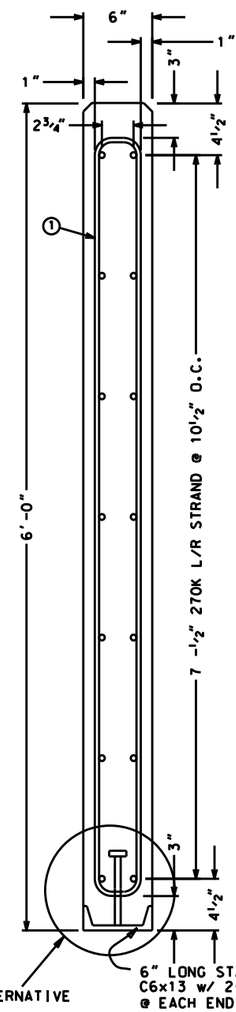
A	MARK	QTY/PANEL	BAR LENGTH	LENGTH/PANEL	SIZE	METRIC SIZE	TYPE	A	B	C	D	E	G
19'4"	1	31	12'-4"	382.33'	3	10	T1	0'-4"	0'-4"	5'-6"	0'-4"	5'-6"	0'-4"
17'4"	1	29	12'-4"	357.67'	3	10	T1	0'-4"	0'-4"	5'-6"	0'-4"	5'-6"	0'-4"
16'4"	1	28	12'-4"	345.33'	3	10	T1	0'-4"	0'-4"	5'-6"	0'-4"	5'-6"	0'-4"
15'4"	1	27	12'-4"	333.00'	3	10	T1	0'-4"	0'-4"	5'-6"	0'-4"	5'-6"	0'-4"
13'8"	1	25	12'-4"	308.33'	3	10	T1	0'-4"	0'-4"	5'-6"	0'-4"	5'-6"	0'-4"



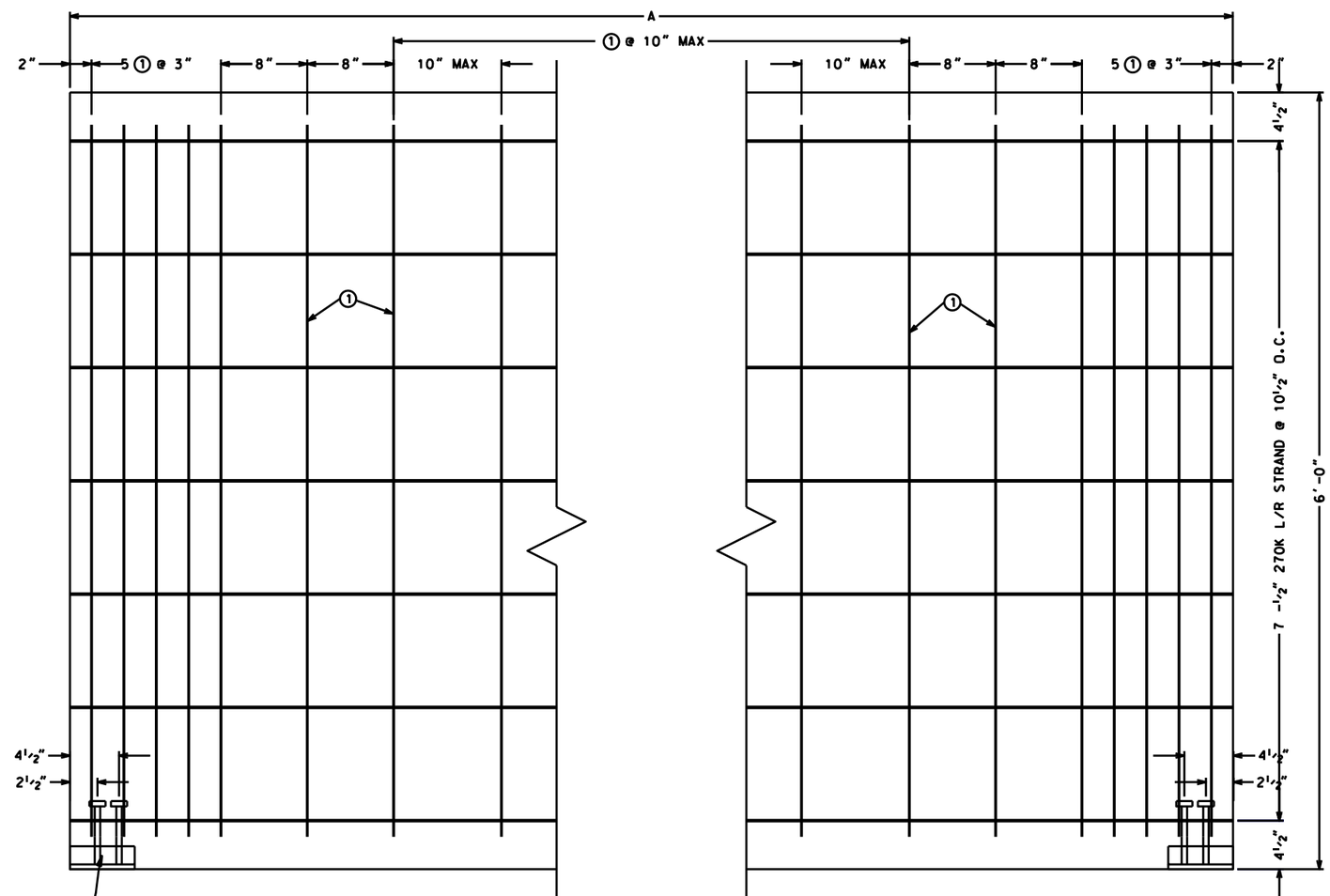
ALTERNATIVE TO
C6x13 CHANNEL



CONCRETE PANEL DETAIL
PLAN VIEW

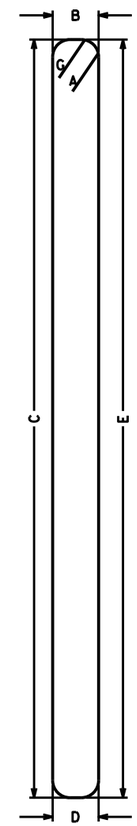


CONCRETE PANEL DETAIL
SIDE VIEW



CONCRETE PANEL DETAIL
ELEVATION VIEW

NOTE:
ALL CHANNELS, PLATES, RODS, AND STUDS TO BE FABRICATED OUT OF STAINLESS STEEL. (TYPE 304)



TYPE T1
PANEL STIRRUP

"AS BUILT"

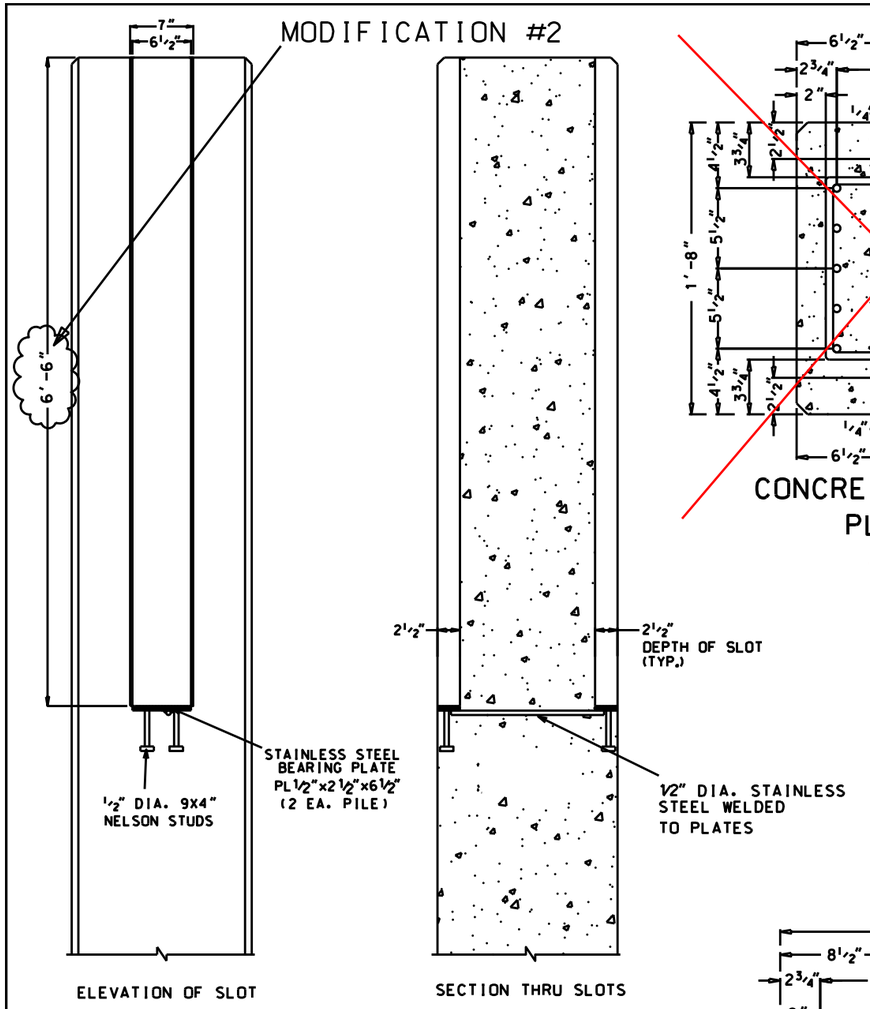
Designed C. LAFLEUR 05/04
Drawn D.J. WILMORE 05/04
Traced
Checked B. STICKER 05/04
Date
Approved by E.J. GIERING III
Title STATE CONSERVATION ENGINEER ALEXANDRIA, LA.
Title

DETAILS-CONCRETE PANEL
BA-27 - LANDBRIDGE CU#5
LAFOURCHE PARISH, LA.

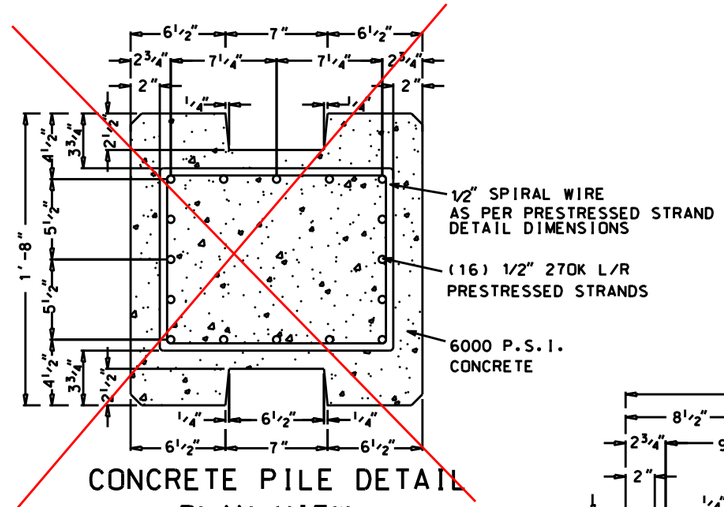
U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE

REVISIONS
DATE REV. NO. APPR. TITLE

CAD FILENAME
LA345016.DGN
PROJECT NO.
LA345
SHEET NO 16 OF 23

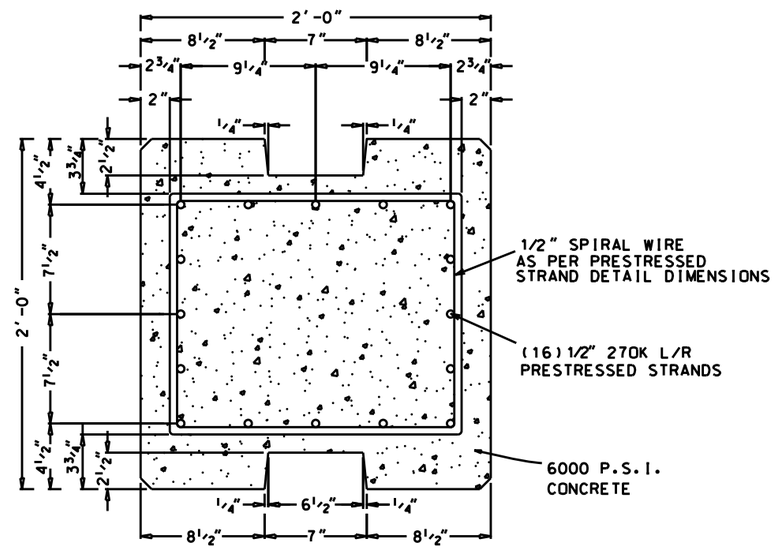


CONCRETE PILE DETAIL

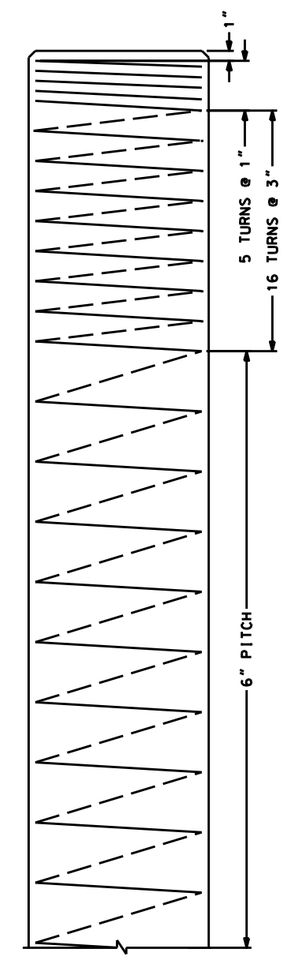


CONCRETE PILE DETAIL
PLAN VIEW
~~20"x20"~~
24" 24"

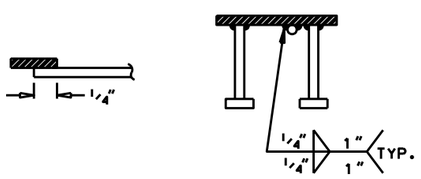
NOTE:
SEE SHEET 16 OF 21 FOR PILE DESIGNATIONS & LOCATIONS



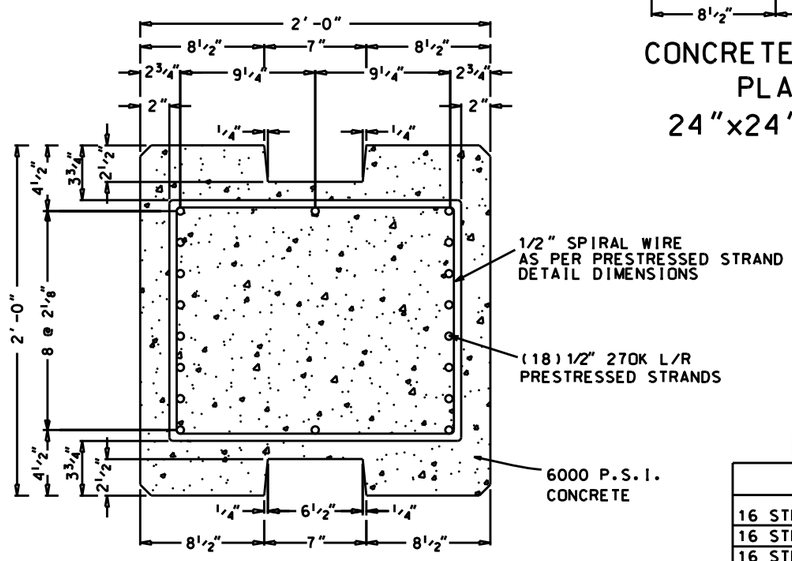
CONCRETE PILE DETAIL
PLAN VIEW
24"x24"-16 STRAND



PRESTRESSED STRAND
DETAIL DIMENSIONS
HALF SECTION



BEARING PLATE
DETAILS



CONCRETE PILE DETAIL
PLAN VIEW
24"x24"-18 STRAND

PILE QUANTITIES

SIZE	LENGTH	NO.
16 STRAND ~~20"x20"~~ 24" 24"	61'	28
16 STRAND ~~20"x20"~~ 24"x24"	70'	40
16 STRAND 24"x24"	63'	57
16 STRAND 24"x24"	70'	132
16 STRAND 24"x24"	74'	153
18 STRAND 24"x24"	71'	130
18 STRAND 24"x24"	79'	131

"AS BUILT"

Date
Approved by E.J. GIERING III
Title STATE CONSERVATION ENGINEER ALEXANDRIA, LA.

Designed C. LAFLEUR 05/04
Drawn D.J. WILMORE 05/04
Traced
Checked B. STICKER 05/04

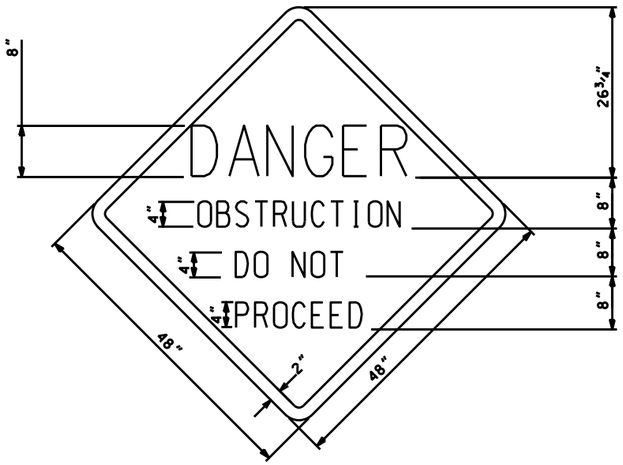
TYPICAL - CONCRETE PILE
BA-27 - LANDBRIDGE CU#5
LAFOURCHE PARISH, LA.

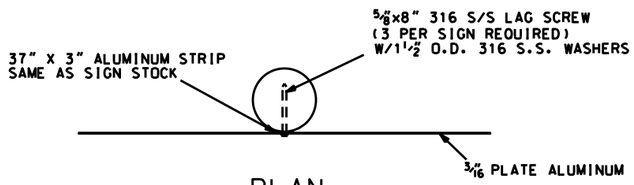
U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE

REVISIONS

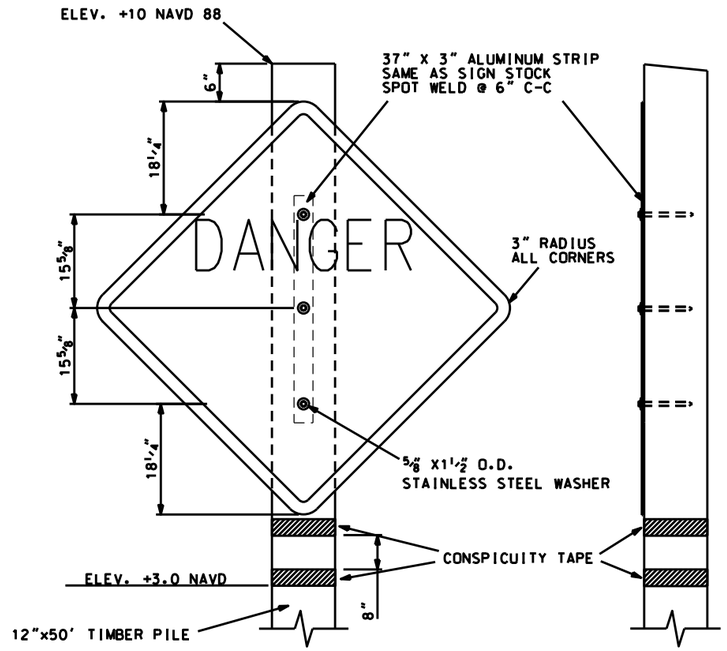
DATE	REV.	NO.	APPR.	TITLE
4/07	M2		R.F.	D.E.

CAD FILENAME
LA345017M2.DGN
PROJECT NO.
LA345
SHEET NO 17M2 OF 23





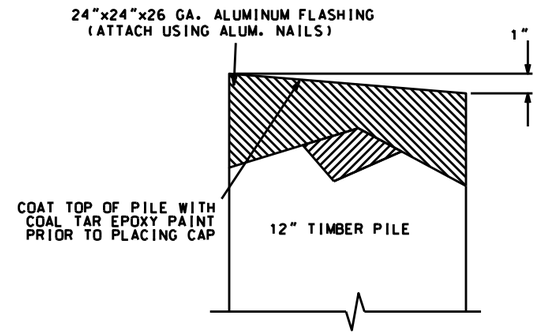
PLAN



ELEVATION

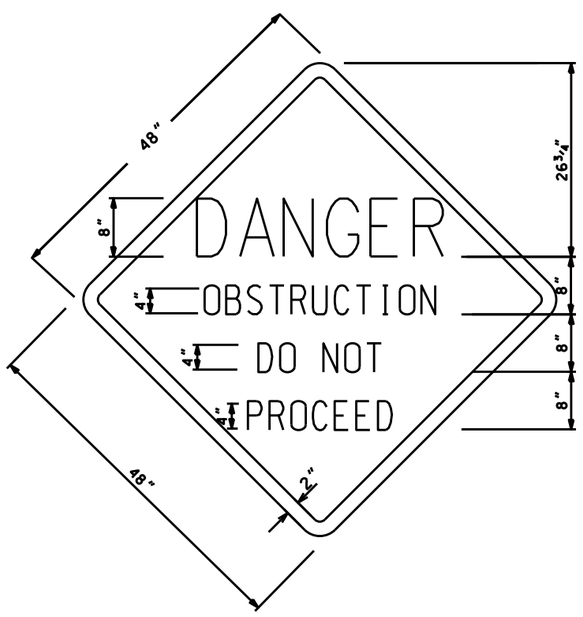
SIDE

PERMANENT WARNING SIGN DETAILS

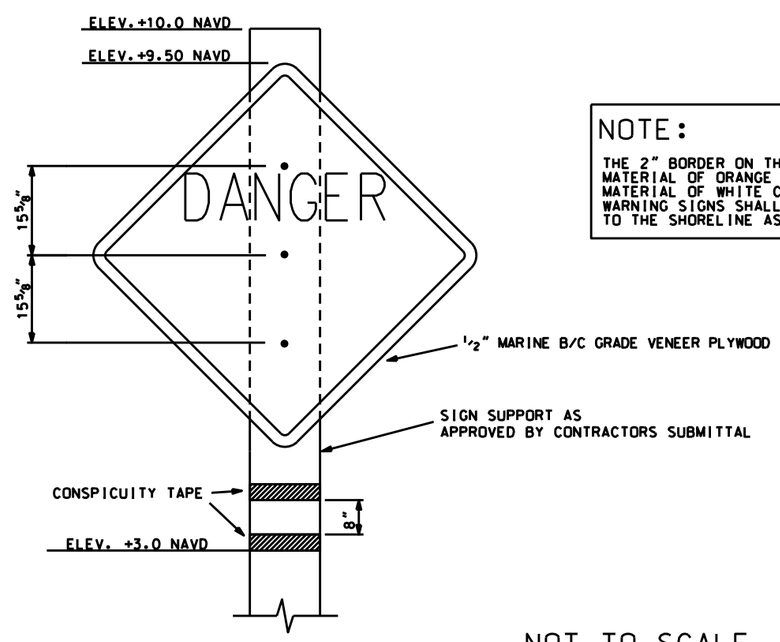


TYPICAL TIMBER PILE CAP
(NOT TO SCALE)

NOTE:
WARNING SIGNS SHALL BE SPACED A MAXIMUM OF 500' AND PLACED IN FRONT OF ALL OPENINGS IN THE STRUCTURE.



TEMPORARY WARNING SIGN DETAIL



ELEVATION VIEW

NOTE:
THE 2" BORDER ON THE WARNING SIGN SHALL BE A REFLECTIVE MATERIAL OF ORANGE COLOR. THE LETTERING FIELD SHALL BE A RETRO-REFLECTIVE MATERIAL OF WHITE COLOR. THE LETTERING FOR THE WARNING SIGNS SHALL BE BLACK. WARNING SIGNS SHALL BE PLACED ON TWO SIDES WITH THE SIGN FACING PERPENDICULAR TO THE SHORELINE AS CONCURRED IN BY THE COTR.

NOT TO SCALE

"AS BUILT"

Approved by E.J. GIERING III Date
Title STATE CONSERVATION ENGINEER ALEXANDRIA,LA.
Title

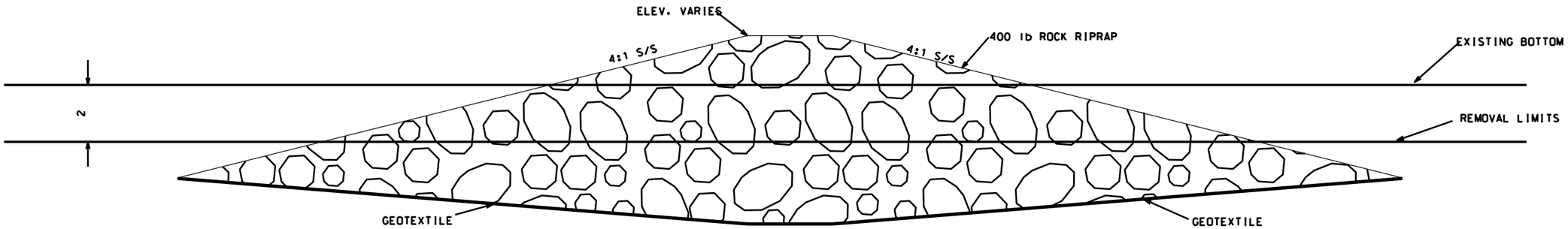
Designed C.LAFLEUR 05/04
Drawn D.J. WILMORE 05/04
Traced
Checked B. STICKER 05/04

DETAILS - WARNING SIGNS
BA-27 - LANDBRIDGE CU#5
LAFOURCHE PARISH. LA.

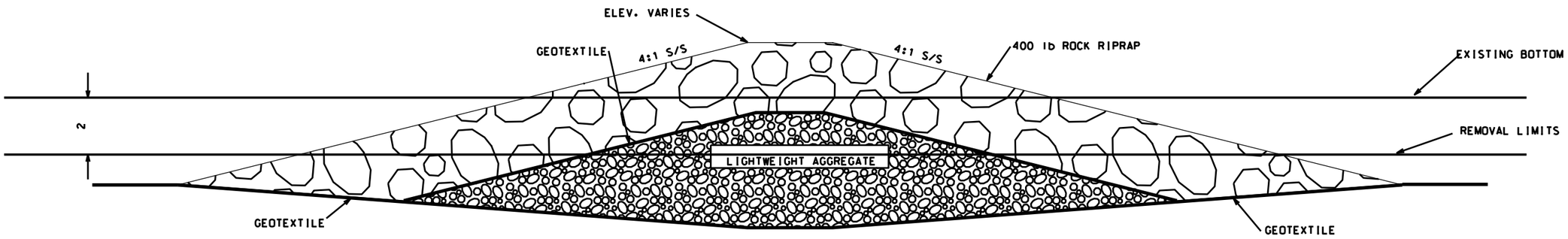
U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE

NO.	DATE	REVISIONS APPR.	TITLE

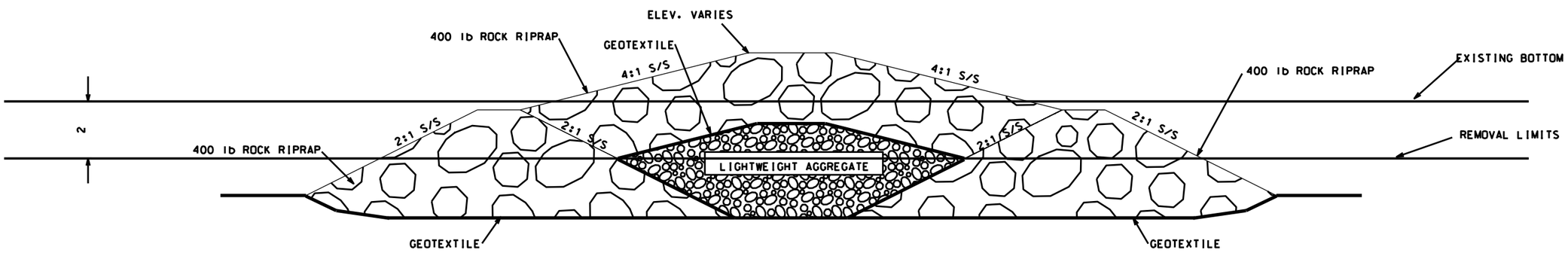
CAD FILENAME
LA345018.DGN
PROJECT NO.
LA345
SHEET NO 18 OF 23



TYPICAL SECTION "A" - ROCK ONLY
ELEVATION VIEW



TYPICAL SECTION "B" - COMPOSITE
ELEVATION VIEW



TYPICAL SECTION "C" - FURROW METHOD
ELEVATION VIEW

"AS BUILT"

NOTE:
LOCATION OF TYPICAL SECTIONS CAN BE FOUND IN PLAN VIEW ON SHEET 6 OF 23.

		Date
Designed	R. MANUEL	02/06
Drawn	D.J. WILMORE	02/06
Traced		
Checked	B. STICKER	02/06

Approved by State Conservation Engineer Alexandria, Louisiana — Date
Title
Title

TYPICAL ROCK SECTIONS
STRUCTURE REMOVAL
BA-27 - LANDBRIDGE CU#5
LAFOURCHE PARISH, LA.

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

REVISIONS		
DATE	APPR.	TITLE

CAD FILE NO.
LA345019.DGN
DRAWING NO.
LA345
Sht. 19 of 23

PANEL LOCATIONS		
SITE #1	START N401765.99 E3652023.04	END N401414.91 E3652211.50
SITE #2	START N396675.15 E3664858.21	END N396377.19 E3664594.42

NOTE:
KNOWN PIPELINES AND UTILITIES ARE SHOWN ON THE PLANS. IT IS POSSIBLE THAT PIPELINES AND UTILITIES 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 CONTRACTING OFFICER.

BARATARIA BASIN LANDBRIDGE
EXISTING SECTION REPAIR LOCATIONS

500 0 1000 2000 3000

SCALE IN FEET

"AS BUILT"

Designed R. MANUEL 02/06
Drawn D.J. WILMORE 02/06
Traced
Checked B. STICKER 02/06

Approved by State Conservation Engineer Alexandria, Louisiana 02/06
Title
Title

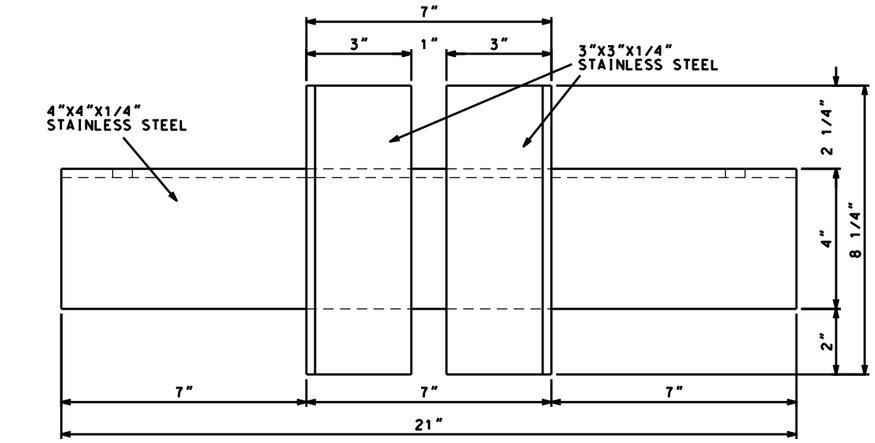
PLAN MAP - PANEL REPAIR
BA-27 - LANDBRIDGE CU#5
LAFOURCHE PARISH. LA.

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

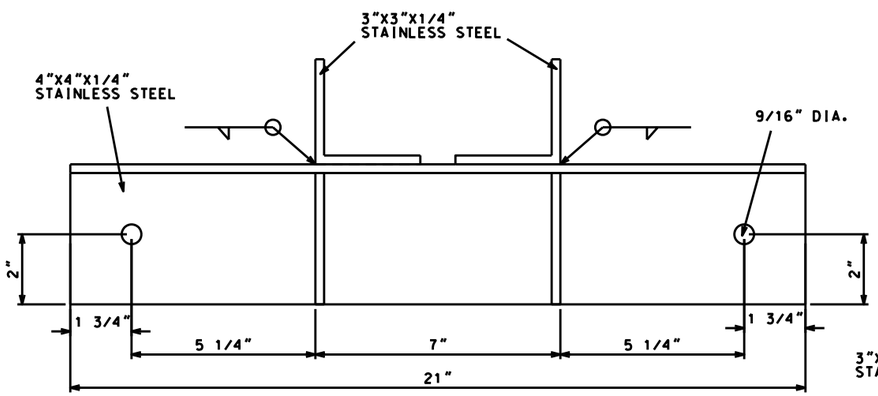
REVISIONS
DATE APPR. TITLE

CAD FILE NO.
LA345020.DGN

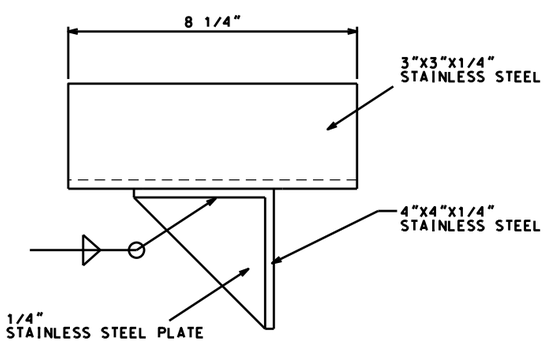
DRAWING NO.
LA345
Sht. 20 of 23



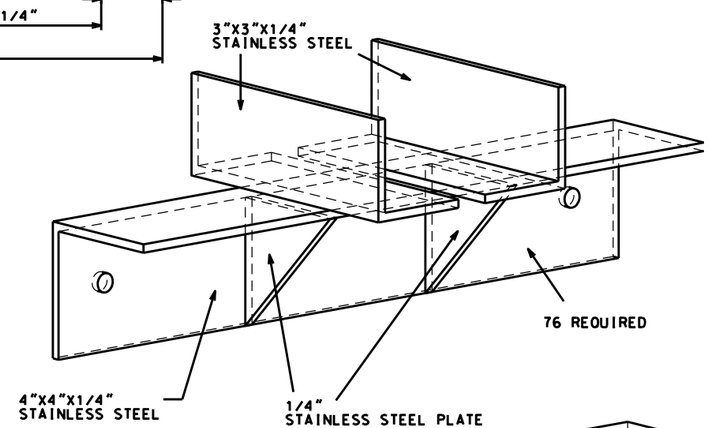
TOP VIEW

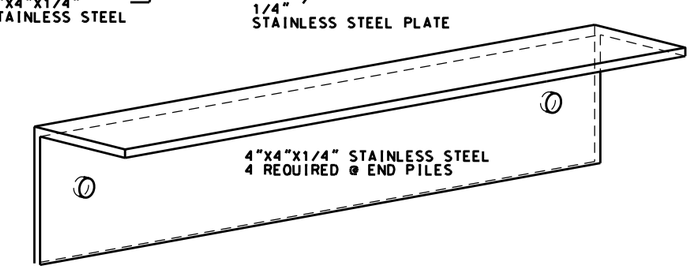


ELEVATION VIEW

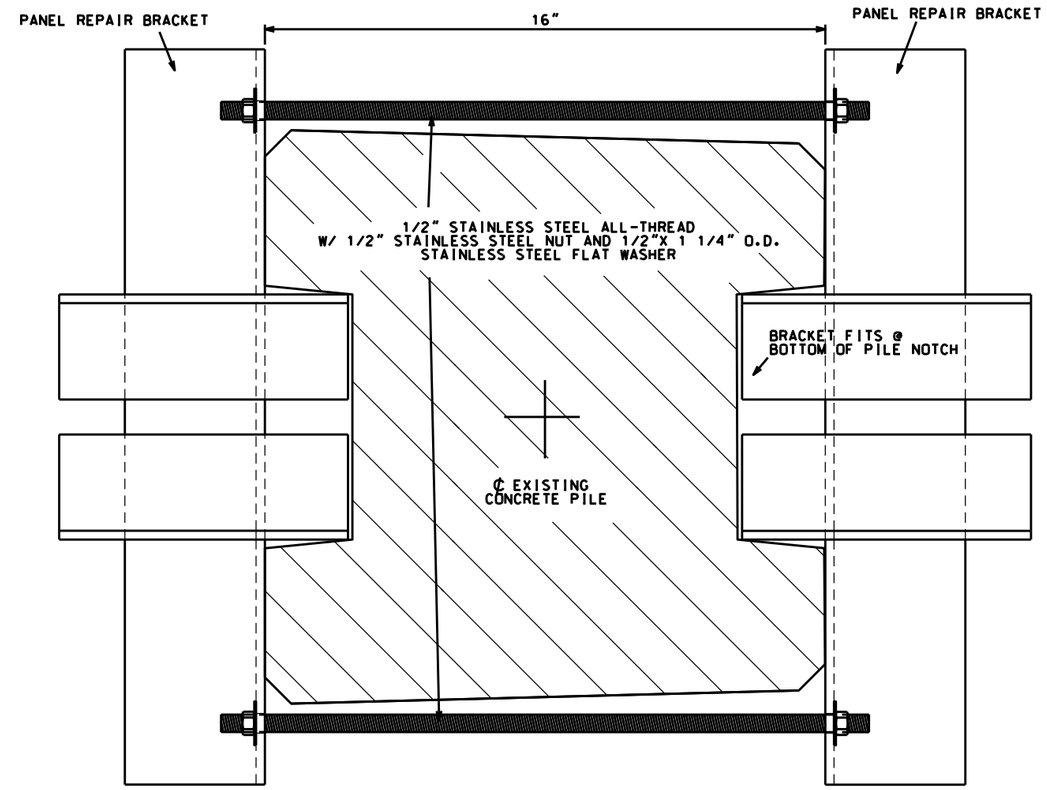


SIDE VIEW

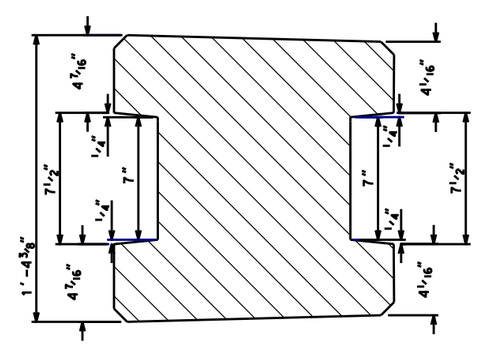




ISOMETRIC VIEW



PILE ATTACHMENT DETAIL



TYPICAL DIMENSIONS
EXISTING PILES

NOT TO SCALE

"AS BUILT"

		Date
Approved by	E.J. GIERING III	
Title	STATE CONSERVATION ENGINEER ALEXANDRIA, LA.	
Title		

		Date
Designed	B. STICKER	01/06
Drawn	D.J. WILMORE	01/06
Traced		
Checked	B. STICKER	01/06

PANEL SUPPORT BRACKET
EXISTING SECTION REPAIR
BA-27 - LANDBRIDGE CU#5
LAFOURCHE PARISH, LA.

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

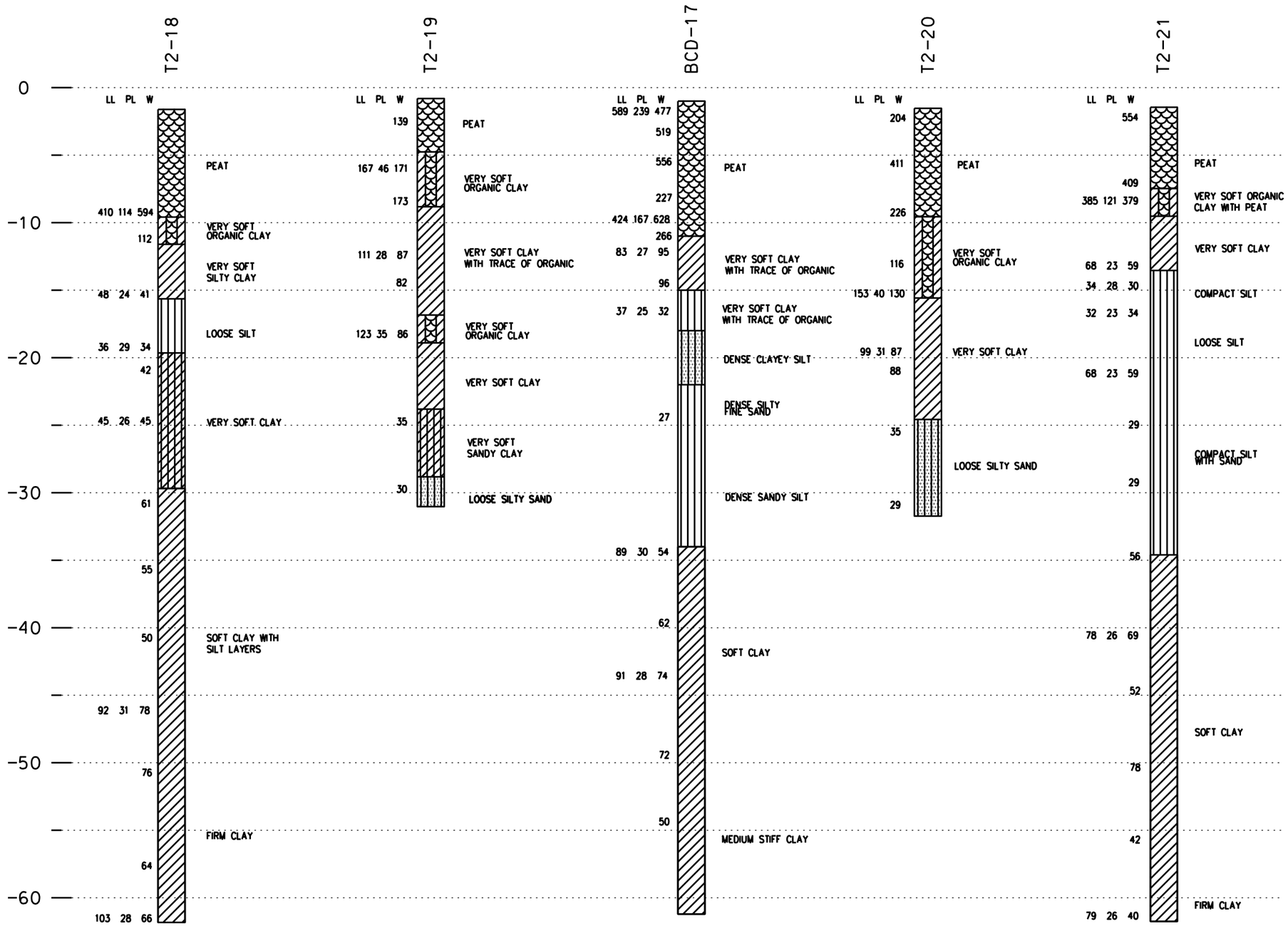
REVISIONS		
DATE	APPR.	TITLE

CAD FILE NO.
LA345021.DGN

DRAWING NO.
LA345

Sht. 21 of 23

DATUM: ALL HORIZONTAL COORDINATES - NAD83
ALL ELEVATIONS - NAVD88



SOIL BORING COORDINATES

BORING#	NORTHING	EASTING
T2-18	408107.64	3648079.09
T2-19	406339.84	3648581.53
BCD-17	405571.29	3649201.03
T2-20	404775.44	3649817.30
T2-21	403234.07	3651127.98

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"

Approved by Ed Giering III — Date
Title — State Conservation Engineer Alexandria, Louisiana

Designed C. LAFLEUR — Date 05/04
Drawn D.J. WILMORE — 05/04
Traced
Checked B. STICKER — 05/04

SOIL BORING LOGS
BA-27 - LANDBRIDGE CU#5
LAFOURCHE PARISH, LOUISIANA

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

REVISIONS

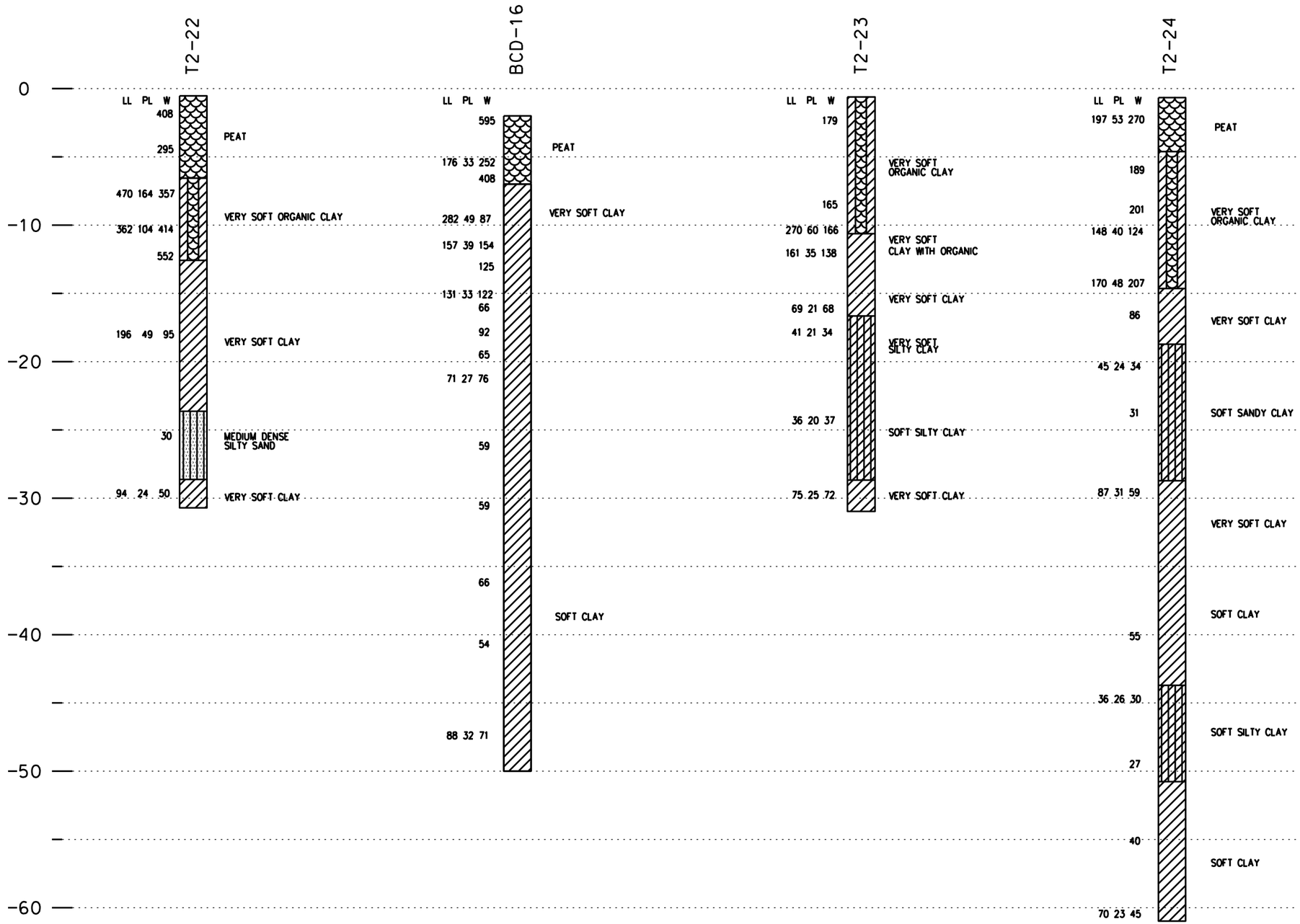
NO.	DATE	APPR.	TITLE

CAD FILENAME LA345022.DGN

PROJECT NO. LA345

SHEET NO 22 OF 23

DATUM: ALL HORIZONTAL COORDINATES - NAD83
ALL ELEVATIONS - NAVD88



SOIL BORING COORDINATES

BORING#	NORTHING	EASTING
T2-22	401568.81	3652172.54
BCD-16	400665.99	3652596.69
T2-23	399754.04	3653016.54
T2-24	398050.51	3652685.19

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"

Approved by Ed Giering III — Date
Title — State Conservation Engineer Alexandria, Louisiana
Title

Designed C. LAFLEUR — Date 05/04
Drawn D.J. WILMORE — 05/04
Traced
Checked B. STICKER — 05/04

SOIL BORING LOGS
BA-27 - LANDBRIDGE CU#5
LAFOURCHE PARISH, LOUISIANA

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

CAD FILENAME LA345023.DGN
PROJECT NO. LA345
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