United States Department of Agriculture

NRCS

Natural Resources Conservation Service
3737 Government Street
Alexandria, LA 71302

April 8, 2002

Mr. Van Cook
Project Manager
LDNR / Coastal Restoration Division
UNO Box 1102
New Orleans, LA 70148

Mr. Tom Podany
Chief, CWPPRA Program Manager
US Army Engineer District, New Orleans
P.O. Box 60267
New Orleans, Louisiana 70506

Gentlemen:

Re: PL-646 – BA-26
Barataria Bay Waterway "Dupree Cut" Bank Protection East

Enclosed are the "As Built" drawings for the referenced project.

Please direct any questions concerning this Project Completion Report to Brad Sticker at (318) 473-7791.

Sincerely,

/s/
Ed Giering, P.E.
State Conservation Engineer

Enclosure

cc: Bruce Lehto, ASTC/Water Resources, NRCS, Alexandria, LA (electronic distribution)
Britt Paul, Water Resources Planning Staff Leader, NRCS, Alexandria, LA (electronic distribution)
Dr. Bill Good, LDNR – CRD, Baton Rouge, LA (electronic distribution)
Garrett Broussard, LDNR-CRD, Baton Rouge, LA (electronic distribution)
Richard Abshire, Project Manager, NRCS, Baton Rouge, LA (electronic distribution)
Brad Sticker, Civil Engineer, NRCS, Alexandria, LA (electronic distribution)
Dale Garber, COTR, NRCS, Crowley, LA (electronic distribution)

The Natural Resources Conservation Service provides leadership in a partnership effort to help people conserve, maintain, and improve our natural resources and environment.

An Equal Opportunity Provider and Employer

BARATARIA BAY WATERWAY EAST BANK PROTECTION PROJECT PBA-12B/BA-26

CONSTRUCTION UNIT NO. 1

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

BY

LOUISIANA DEPARTMENT OF NATURAL RESOURCES

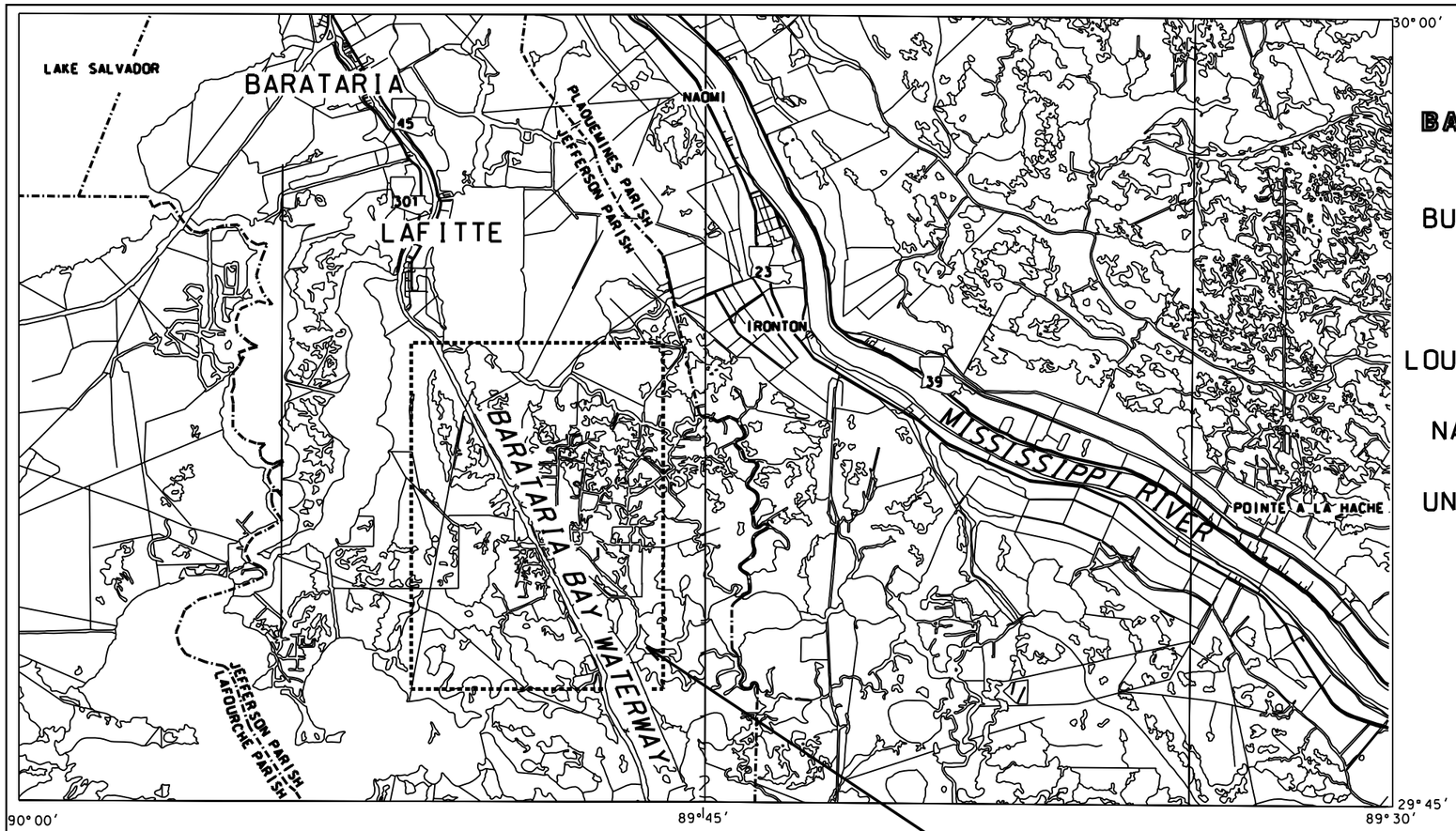
WITH THE ASSISTANCE OF

NATURAL RESOURCES CONSERVATION SERVICE

OF THE

UNITED STATES DEPARTMENT OF AGRICULTURE

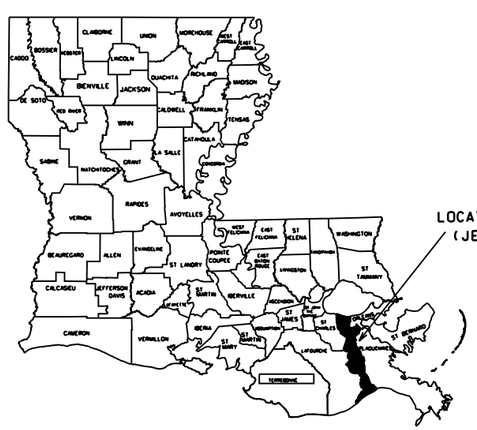
2000



VICINITY MAP

1 0 1 2 3
SCALE IN MILES

PROJECT AREA



N

LEGEND

	PROJECT AREA
	STATE HIGHWAY
	PARISH BOUNDARY

"AS-BUILT PLANS"

SUBMITTED BY: DALE J. GARBER — GOVERNMENT REPRESENTATIVE — 9/27/01 DATE

APPROVED BY: BRADLEY A. STICKER — ASSISTANT STATE CONSERVATION ENGINEER — 9/28/01 DATE

E. J. GIERING III — STATE CONSERVATION ENGINEER — 9/28/01 DATE

Contract No. 50-7217-1-3 Date 9/27/01

Contractor LEON DUPLESSIS AND SONS, INC.

Inspector ROBERT PAYTON

Date of Completion 5/21/01

"AS-BUILT"

INDEX OF DRAWINGS

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2	SITE PLAN-EAST BANK ROCK DIKE
3	PLAN VIEW-SOIL BORING SITES
4	PLAN VIEW-NORTH DIKE
5	PLAN VIEW-SOUTH DIKE
6	DETAILS-ROCK DIKE
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6A1	PROFILE ON CL - AS BUILT
6A2	PROFILE ON CL - AS BUILT
6A3	PROFILE ON CL - AS BUILT
6A4	X-SECTIONS - AS BUILT
6A5	X-SECTIONS - AS BUILT
6A6	X-SECTIONS & SETTLEMENT PLATE LOCATIONS - AS BUILT

		Date
Designed	J. CHUA	04/99
Drawn	D. WILMORE	04/99
Traced		
Checked	J. MOORE	02/00

		Date
Approved by	E.J. GIERING III	02/00
Title	STATE CONSERVATION ENGINEER	
Title		

COVER SHEET - VICINITY MAP
BBWW EAST BANK PROTECTION
PROJECT NO. PBA-12B/BA-26
JEFFERSON PARISH, LOUISIANA

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

REVISIONS | DATE | APPR. | TITLE

CAD FILE NO. LA-306A

DRAWING NO. LA306A01.DGN

SHEET NO 1 OF 6

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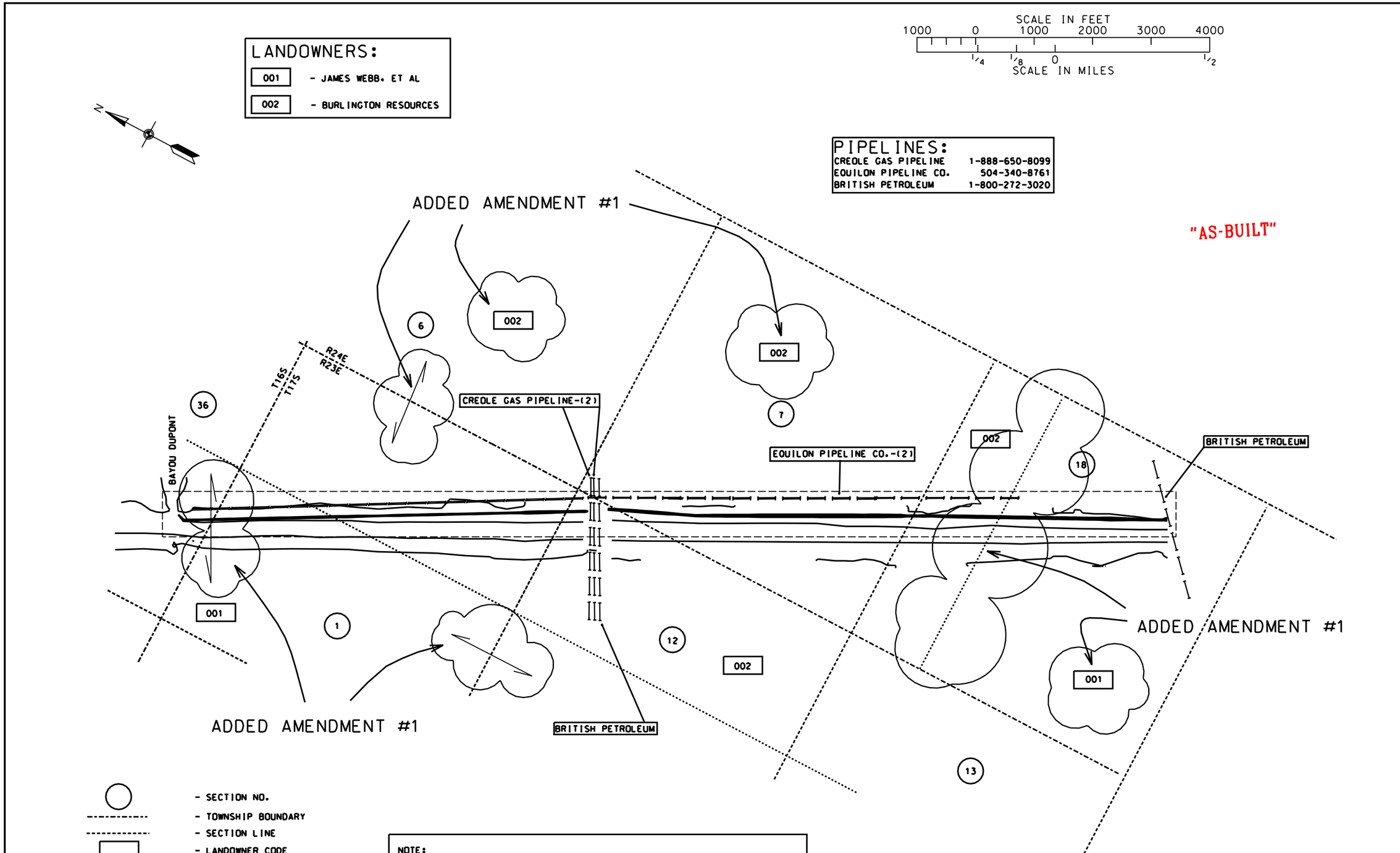

NOTE:
Known Pipelines And Utilities Are Shown On This Sheet Of The Plans. However, It Is Possible That Some May Exist That Have Not Been Shown. The Contractor Shall Be On The Alert For Such Pipelines And Shall Report Them Immediately To The COTR.

The Natural Resources Conservation Service Does Not Guarantee The Completeness And Accuracy Of Ownership Show. 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 Channel, Its Location Is Not Definite.

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

		Date
Approved by E.J. GIERING III	Title STATE CONSERVATION ENGINEER	02/00

		Date
Designed J. CHUA		05/99
Drawn D.J. WILMORE		05/99
Traced		
Checked J. MOORE		02/00

SITE PLAN - EAST BANK ROCK DIKE
BBWW EAST BANK PROTECTION
PROJECT NO. PBA-12B/BA-26
JEFFERSON PARISH, LOUISIANA

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

REVISIONS

DATE	APPR.	TITLE
11/00	JEC	CIVIL ENGINEER

CAD FILENAME
LA306A02a.DGN

PROJECT NO.
LA306A

SHEET NO 2 OF 6

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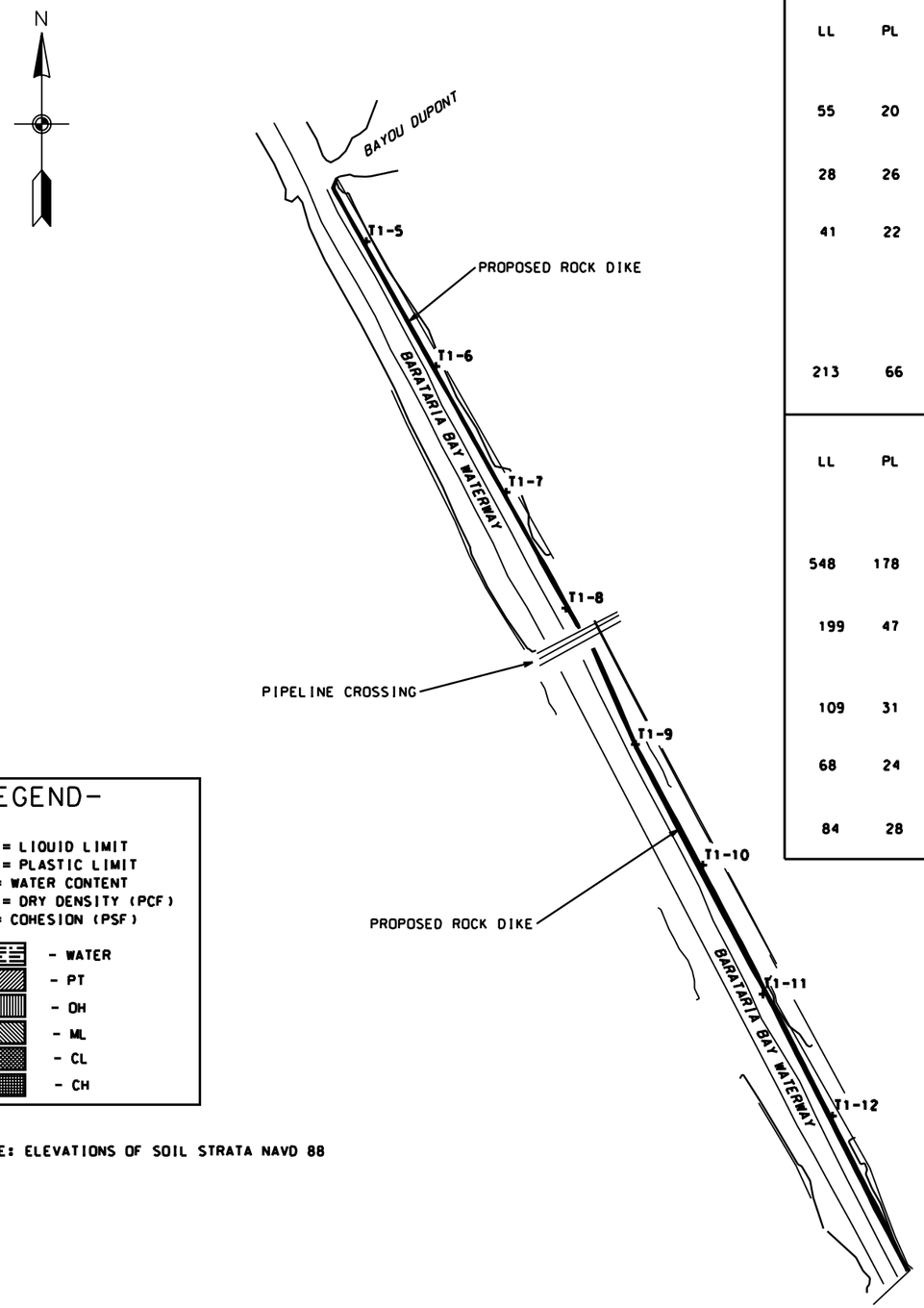


"AS-BUILT"

LEGEND-

LL = LIQUID LIMIT
PL = PLASTIC LIMIT
W = WATER CONTENT
DD = DRY DENSITY (PCF)
C = COHESION (PSF)

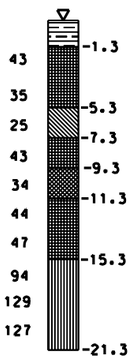
- WATER
- PT
- OH
- ML
- CL
- CH

NOTE: ELEVATIONS OF SOIL STRATA NAVD 88

SCALE IN FEET
1000 0 1000 2000 3000 4000
1/4 1/8 0 1/2
SCALE IN MILES

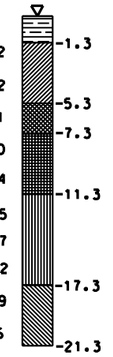
TI-5

LL	PL	W	DD	C
55	20	43	80	140
		35		
28	26	25		
		43	79	420
41	22	34		
		44		
		47	73	520
		94		
		129	38	330
213	66	127		



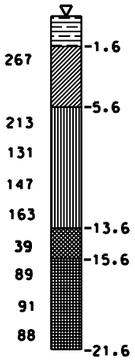
TI-6

LL	PL	W	DD	C
		592		
306	112	602	10	60
43	20	41		
69	25	60		
		84	55	140
		195		
		177	30	130
		162		
34	NP	39	86	310
		36		



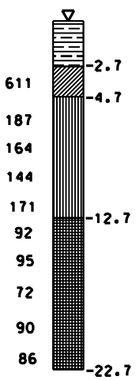
TI-7

LL	PL	W	DD	C
		267	22	100
314	82	213		
		131	42	30
291	114	147		
		163		
		39		
		89	53	80
		91		
91	28	88	56	30



TI-8

LL	PL	W	DD	C
548	178	611		
		187	31	40
199	47	164		
		144	35	80
		171		
109	31	92		
		95	49	70
68	24	72		
		90		
84	28	86		

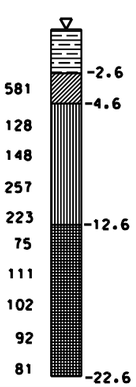


TI-9

LL	PL	W	DD	C
381	83	83		
		148	35	90
292	65	157		
		307	18	80
367	101	226		
		230		
		182	29	30
		129		
100	30	73		
		88	52	80

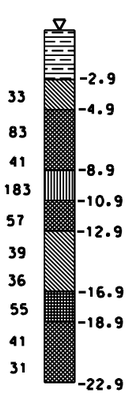
TI-10

LL	PL	W	DD	C
		581	10	40
		128		
139	39	148		
		257	22	60
301	74	223		
		75		
114	31	111		
		102	45	50
98	36	92		
		81		



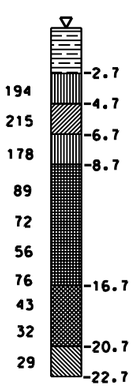
TI-11

LL	PL	W	DD	C
35	26	33		
		83	58	90
		41		
		183		
47	25	57		
		39		
40	28	36		
		55	70	250
39	27	41		
		31		



TI-12

LL	PL	W	DD	C
		194	28	30
278	101	215		
		178	30	60
98	76	89		
		72	57	90
95	35	56		
		76		
39	24	43		
		32	96	350
29	26	29		



		Date
Designed	J. CHUA	07/99
Drawn	D.J. WILMORE	07/99
Traced		
Checked	J. MOORE	02/00

Approved by E.J. GIERING III 02/00
Title STATE CONSERVATION ENGINEER
Title

PLAN VIEW-SOIL BORING SITES
BBWW EAST BANK PROTECTION
PROJECT NO. PBA-12B/BA-26
JEFFERSON PARISH, LOUISIANA

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

REVISIONS
DATE | APPR. | TITLE

CAD FILENAME
LA306A03.DGN

PROJECT NO.
LA306A

SHEET NO 3 OF 6

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ROCK DIKE LOCATIONS

STATION*	HORIZ.COORD.**	APPROX. DIST. FROM R-O-W CL
STA.1494+16 PI-7	N417631.021 E3674002.405	283'
STA.1493+26 PI-6	N417507.915 E3673962.303	190'
STA.1424+09 PI-5	N411469.88 E3677339.810	350'

*NOTE: STATIONING REFERENCED TO U.S. ARMY C.O.E. DREDGE SURVEY
**NOTE: NAD83 DATUM

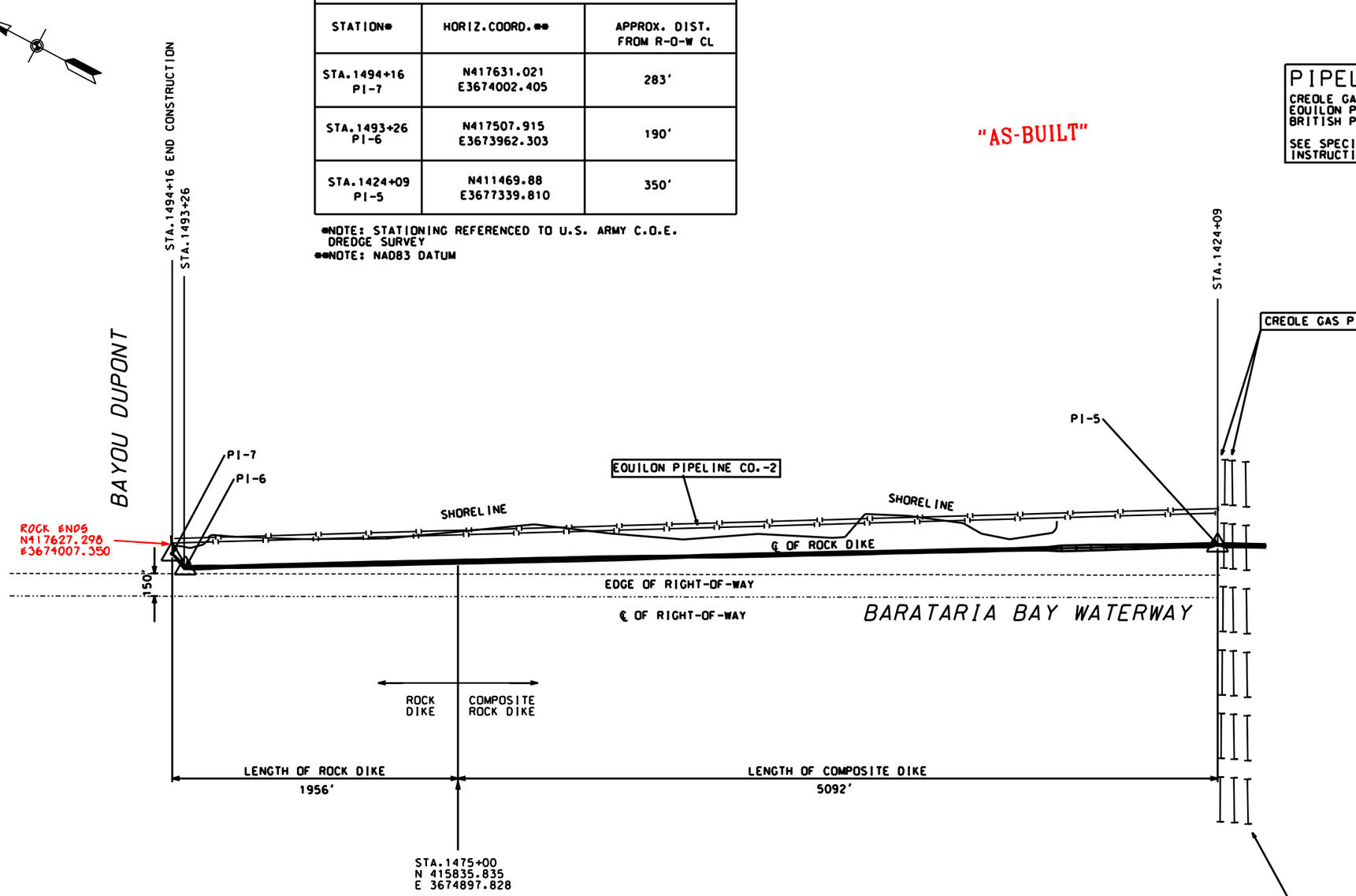
400 0 400 800 1200 1600
SCALE IN FEET

"AS-BUILT"

PIPELINES:

CREOLE GAS PIPELINE	1-888-650-8099
EQUILON PIPELINE CO.	504-340-8761
BRITISH PETROLEUM	1-800-272-3020

SEE SPECIAL PROVISIONS FOR ADDITIONAL INSTRUCTIONS WHEN WORKING NEAR PIPELINES



NOTE:
CONSTRUCTION AT PI-7 TO BE TIED INTO EXISTING BANK AS STAKED BY COTR.

		Date
Designed	J.CHUA	06/99
Drawn	D.J. WILMORE	06/99
Traced		
Checked	J. MOORE	06/99

Approved by E.J. GIERING III — Title STATE CONSERVATION ENGINEER — Date 11/99

PLAN VIEW - NORTH DIKE PROTECTION
BBWW EAST BANK PROTECTION
PROJECT NO. PBA-12B/BA-26
JEFFERSON PARISH, LOUISIANA

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

REVISIONS

DATE	APPR.	TITLE

CAD FILENAME
LA306A04.DGN

PROJECT NO.
LA306A

SHEET NO 4 OF 6

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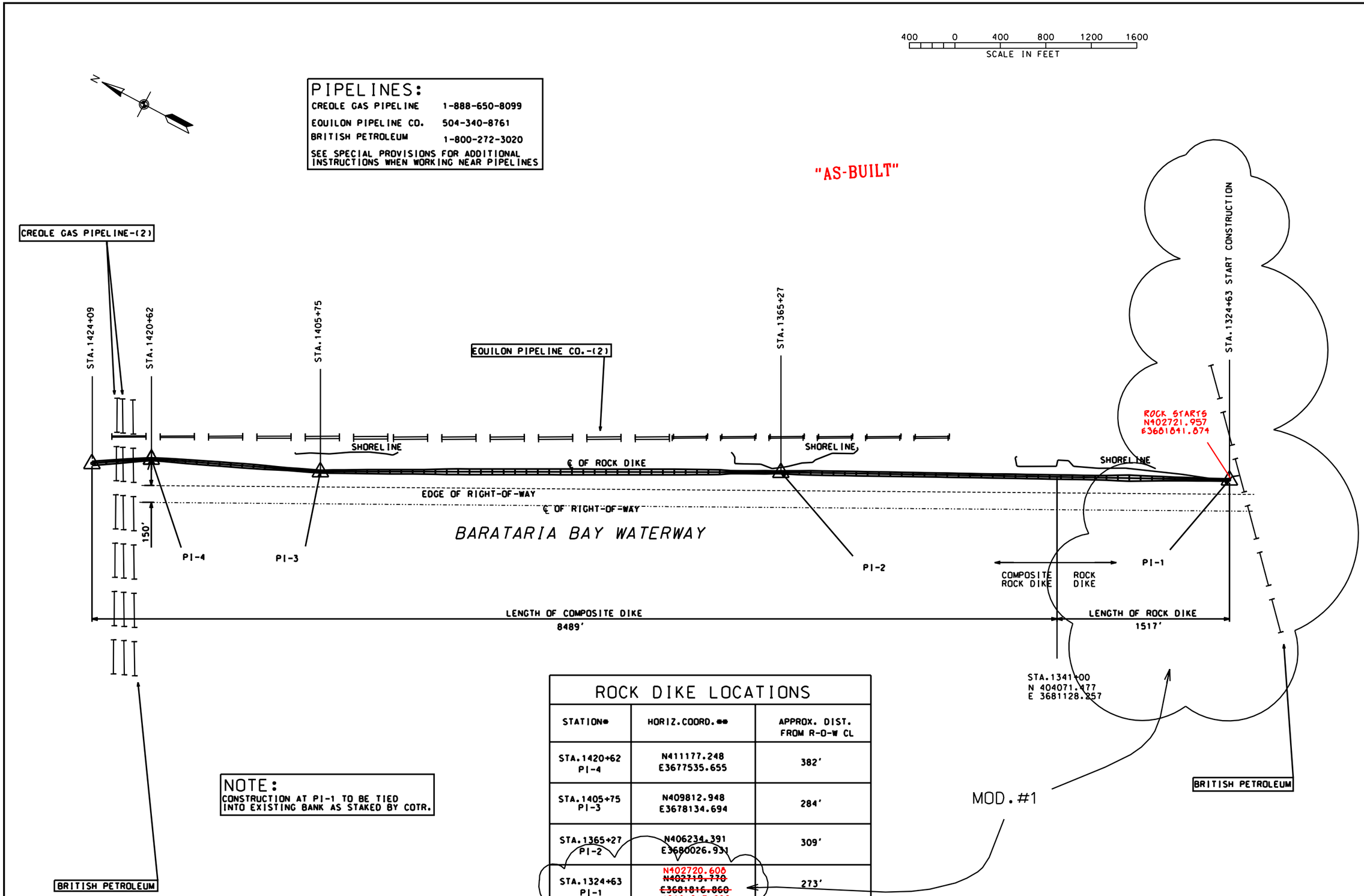

NOTE:
CONSTRUCTION AT PI-1 TO BE TIED INTO EXISTING BANK AS STAKED BY COTR.

ROCK DIKE LOCATIONS

STATION*	HORIZ.COORD.**	APPROX. DIST. FROM R-O-W CL
STA.1420+62 PI-4	N411177.248 E3677535.655	382'
STA.1405+75 PI-3	N409812.948 E3678134.694	284'
STA.1365+27 PI-2	N406234.391 E3680026.931	309'
STA.1324+63 PI-1	N402720.608 ~~N402719.770~~ ~~E3681816.860~~ E3681817.038	273'

*NOTE: STATIONING REFERENCED TO U.S. ARMY C.O.E. DREDGE SURVEY
**NOTE: NAD83 DATUM

		Date
Approved by	E.J. GIERING III	11/99
Title	STATE CONSERVATION ENGINEER	
Title		

		Date
Designed	J. CHUA	06/99
Drawn	D.J. WILMORE	06/99
Traced		
Checked	J. MOORE	06/99

PLAN VIEW - SOUTH DIKE
BBWW EAST BANK PROTECTION
PROJECT NO. PBA-12B/BA-26
JEFFERSON PARISH, LOUISIANA

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

REVISIONS		
DATE	APPR.	TITLE
3/7/01	B.S.	CIVIL ENGINEER

CAD FILENAME
LA306A5M.DGN

PROJECT NO.
LA306A

SHEET NO 5 OF 6

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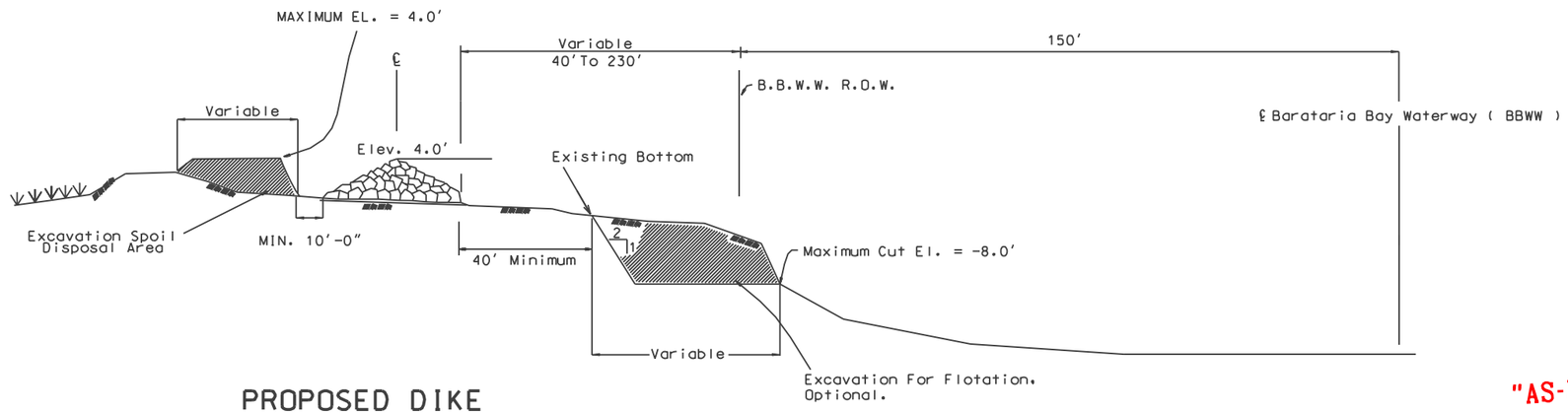
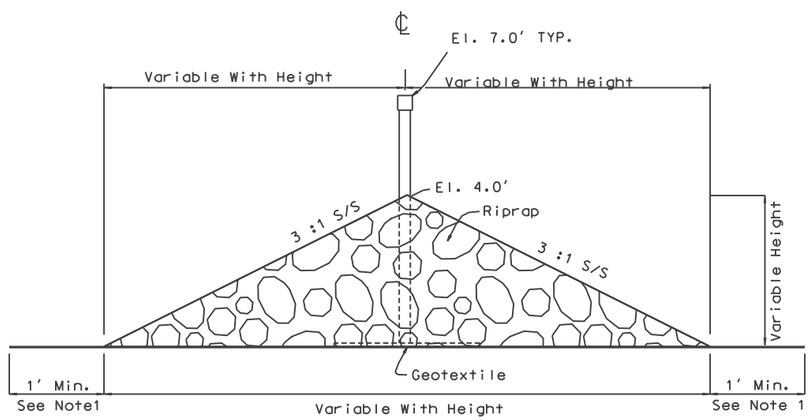
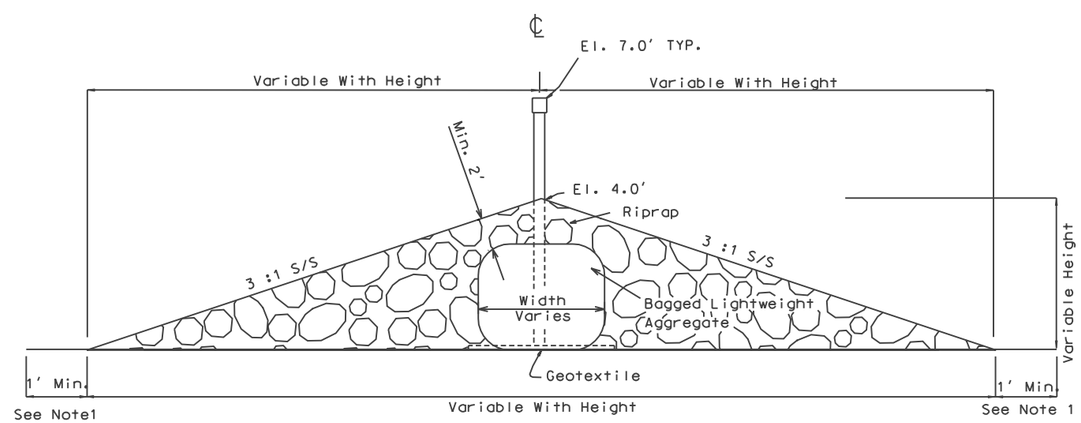


PROPOSED DIKE
(Not To Scale)

"AS-BUILT"



TYPICAL SECTION - ROCK DIKE
(NOT TO SCALE)



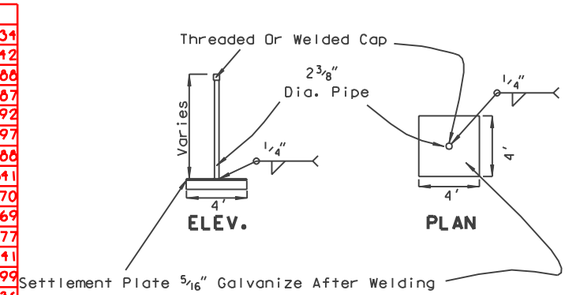
TYPICAL SECTION - COMPOSITE ROCK DIKE
(NOT TO SCALE)

NOTE: BAGS USED WERE 11' LONG BY APPROX. 3' DIAMETER AND WERE FILLED WITH AN AVERAGE OF 3 C.Y. OF LIGHTWEIGHT AGGREGATE PER BAG. THE NUMBER OF BAGS PLACED IN ANY GIVEN SECTION ARE AS SHOWN IN THE TABLE BELOW.

NOTE 1:
Place A Sufficient Amount Of Rock On Excess Geotextile To Prevent Flapping Action In Water

STATION*	HORIZ.COORD.**
1326+23	N402755.108 E3681797.434
1335+23	N403556.124 E3681388.842
1345+23	N404450.345 E3680936.388
1355+23	N405338.781 E3680483.787
1365+23	N406233.655 E3680025.192
1375+23	N407113.903 E3679561.197
1385+23	N408000.361 E3679094.188
1395+23	N408885.454 E3678626.541
1405+23	N409768.503 E3678160.070
1415+23	N410685.049 E3677751.269
1425+23	N411566.935 E3677282.777
1435+23	N412440.039 E3676796.941
1445+23	N413311.888 E3676307.199
1455+23	N414185.431 E3675818.236
1465+23	N415058.583 E3675330.521
1475+23	N415931.753 E3674843.206
1485+23	N416803.634 E3674355.488

* NOTE: STATIONING REFERENCED TO USACOE DREDGE SURVEY
** NOTE: NAD83 DATUM

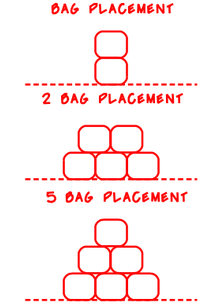


SETTLEMENT PLATE DETAILS
(Not To Scale)

BAGGED LIGHTWEIGHT AGGREGATE	
STATION*	APPROXIMATE AREA SQ.FT./LIN.FT.
1341+00	30.5 BAGS
1346+00	45.6 BAGS
1397+00	30.5 BAGS
1422+00	45.6 BAGS
1436+50	30.5 BAGS
1455+00	15.2 BAGS
1475+00	

*NOTE: STATIONING REFERENCED TO U.S. ARMY C.O.E. DREDGE SURVEY.
ALL ELEVATIONS ARE NAVD88 DATUM

LIGHTWEIGHT AGGREGATE FILLED BAG PLACEMENT



Date 02/00
Approved by E.J. GERING, III
Title STATE CONSERVATION ENGINEER
ALEXANDRIA, LOUISIANA

Date 05/99
Designed J. CHUA
Drawn P. COLE, D.P., R.K. 05/99
Traced
Checked J. MOORE 02/00
Title

DETAILS - ROCK DIKE
BBWW EAST BANK PROTECTION
PROJECT NO. PBA-12B/BA-26
JEFFERSON PARISH, LOUISIANA

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

REVISIONS
DATE | APPR. | TITLE

CAD FILENAME
LA30606A.DGN
PROJECT NO.
LA306A
SHEET NO 6 OF 6

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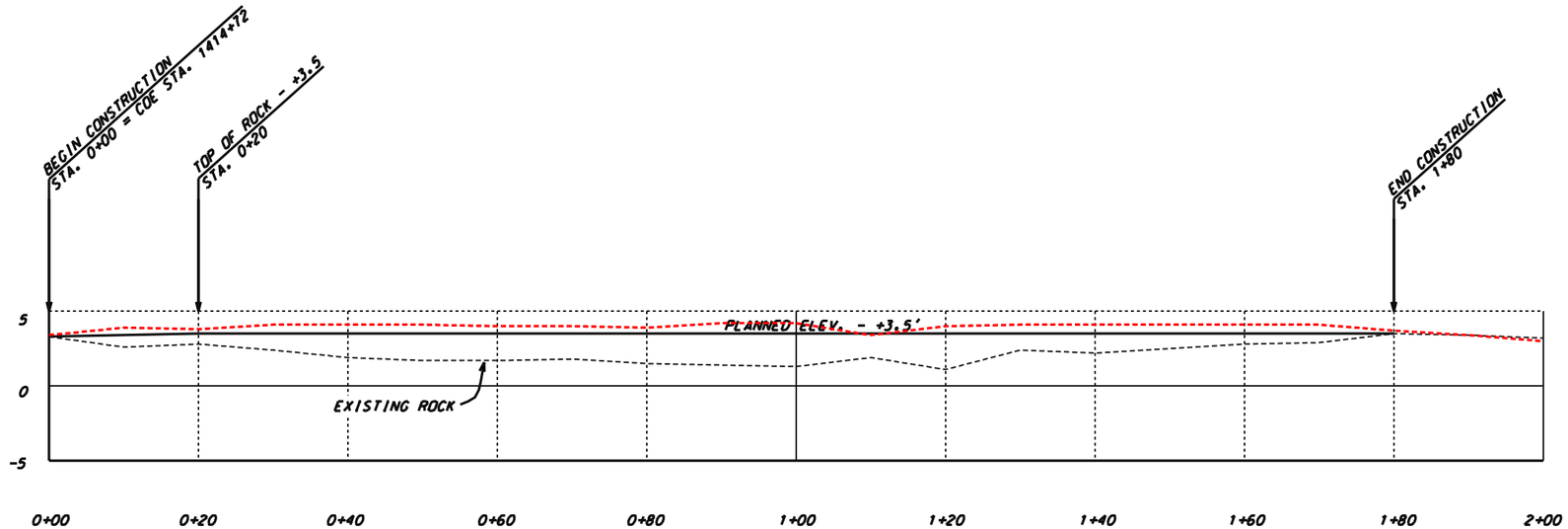
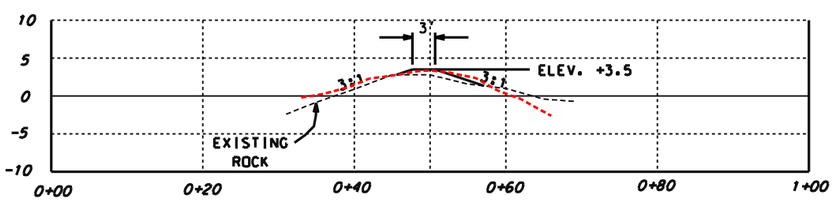
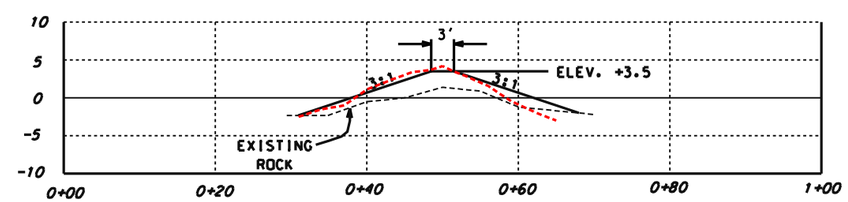
"AS-BUILT"



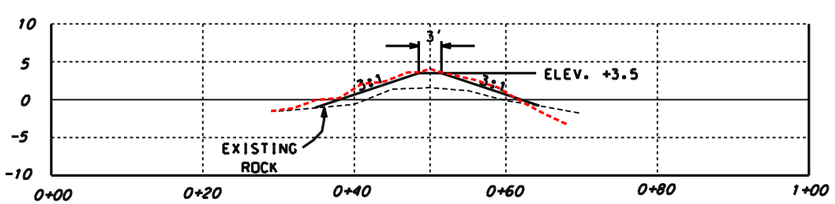
℄ PROFILE
BARATARIA WATERWAY - WEST BANK



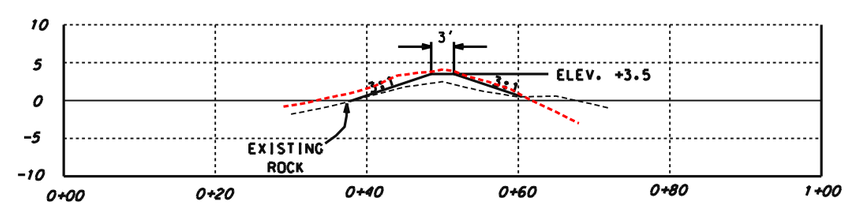
STA. 0+20
AS-BUILT SECTION @ STA 0+00



STA. 0+90
AS-BUILT SECTION @ STA 1+00



STA. 0+70
AS-BUILT SECTION @ STA 0+50



STA. 1+50
AS-BUILT SECTION @ STA 1+50

CROSS-SECTIONS

		Date
Approved by	E.J. GIERING III	04/01
Title	STATE CONSERVATION ENGINEER ALEXANDRIA, LOUISIANA	
Title		

		Date
Designed	B. STICKER	04/01
Drawn	D.J. WILMORE	04/01
Traced		
Checked	B. STICKER	04/01

MOD. #2 - ROCK FILL, WEST BANK
BBWW EAST BANK PROTECTION
PROJECT NO. PBA-12B/BA-26
JEFFERSON PARISH, LOUISIANA

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

REVISIONS

NO.	DATE	APPR.	TITLE
2	4/10/01		

CAD FILENAME
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PROJECT NO.
LA306A

SHEET NO 6A OF 6

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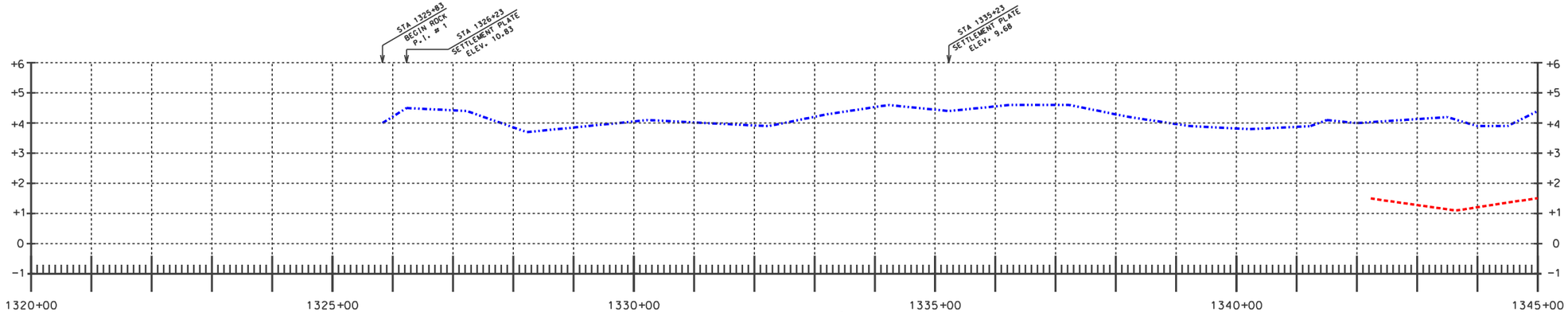
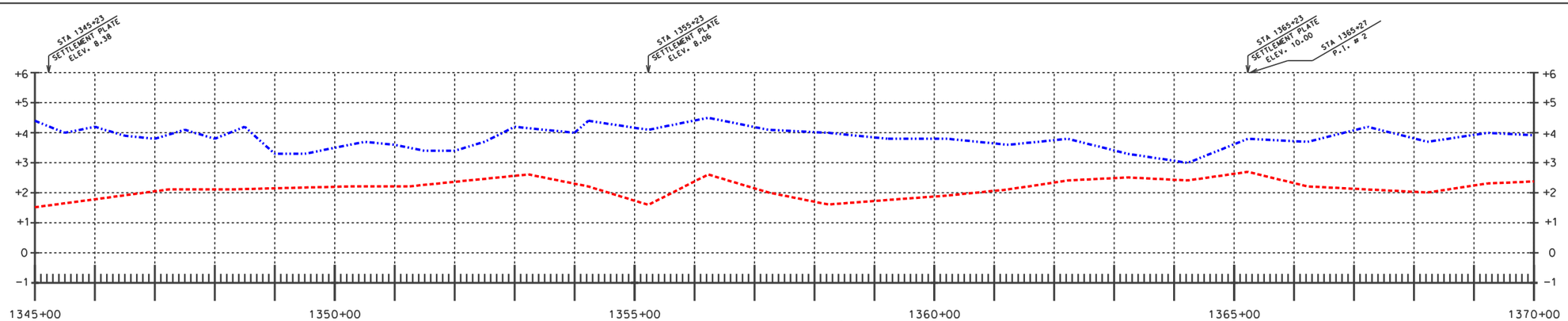


PROFILE ON ℄
STA. 1320+00 - 1345+00



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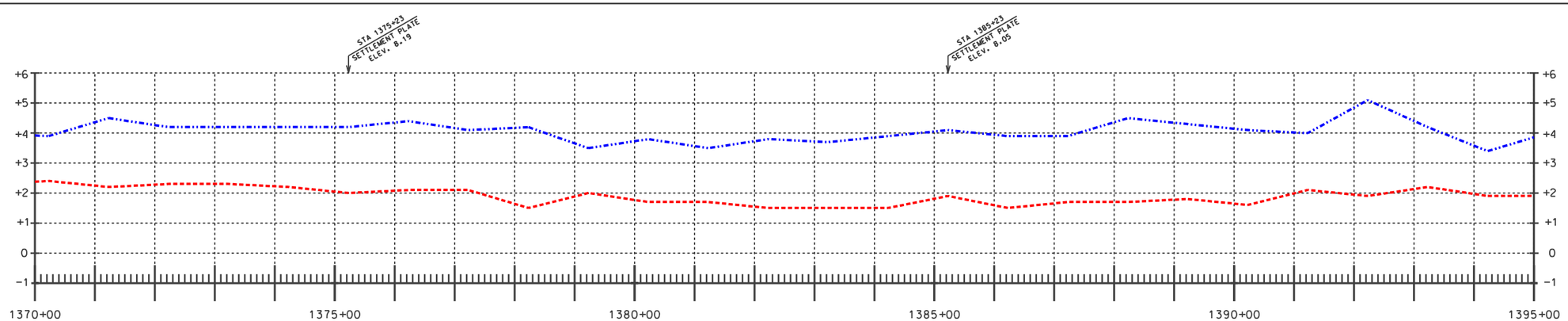

PROFILE ON ℄
STA.1370+00 - 1395+00

"AS-BUILT"

TOP OF ROCK DIKE

TOP OF WEIGHT AGGREGATE BAGS

		Date
Designed	J. Moore	09/00
Drawn	A. J. Gremillion	03/02
Traced		
Checked	B. Sticker	03/02

Approved by E.J. GIERING III 03/02
Title STATE CONSERVATION ENGINEER
Title

PROFILE ON ℄ - AS-BUILT
BBWW EAST BANK PROTECTION
PROJECT NO. PBA-12B/BA-26
JEFFERSON PARISH, LOUISIANA

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

REVISIONS

DATE	APPR.	TITLE

CAD FILE NO.
LA306A6A1

DRAWING NO.
LA-306

SHEET NO 6A 1 OF 6

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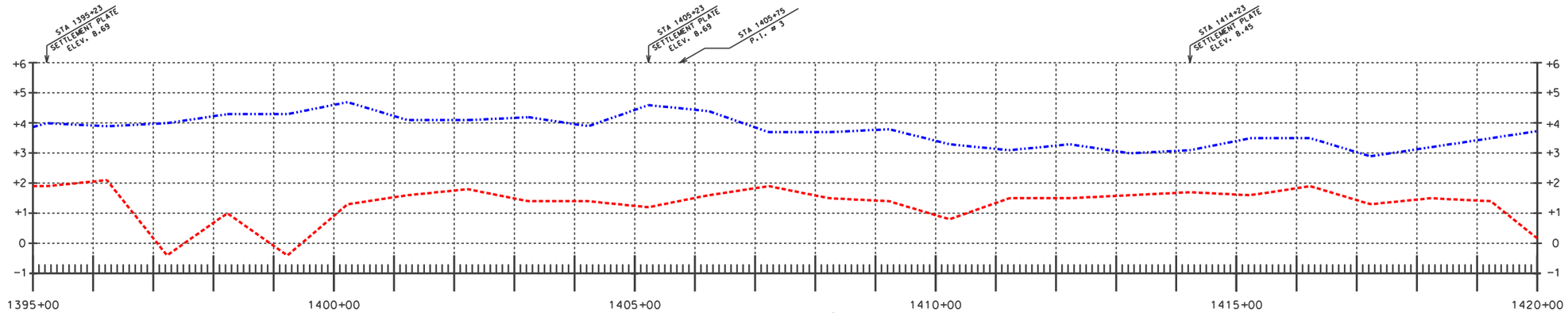

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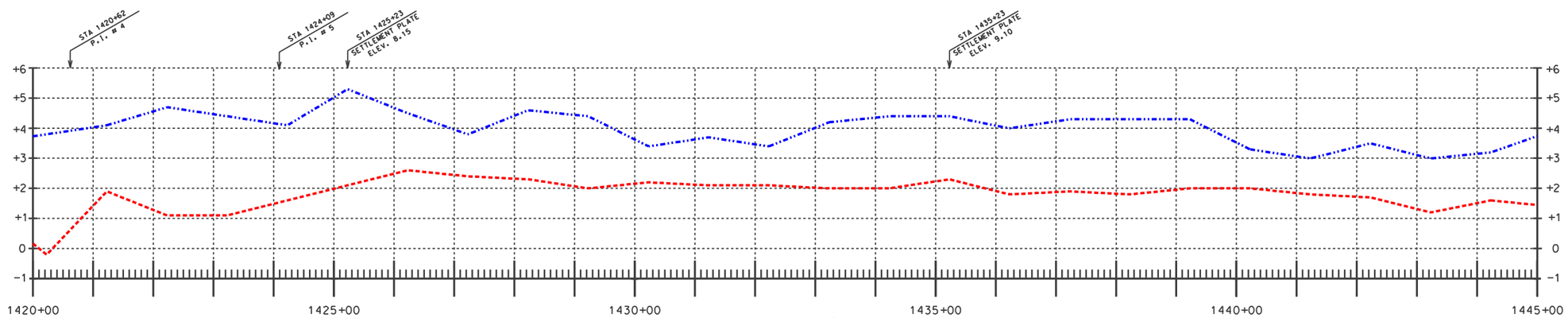

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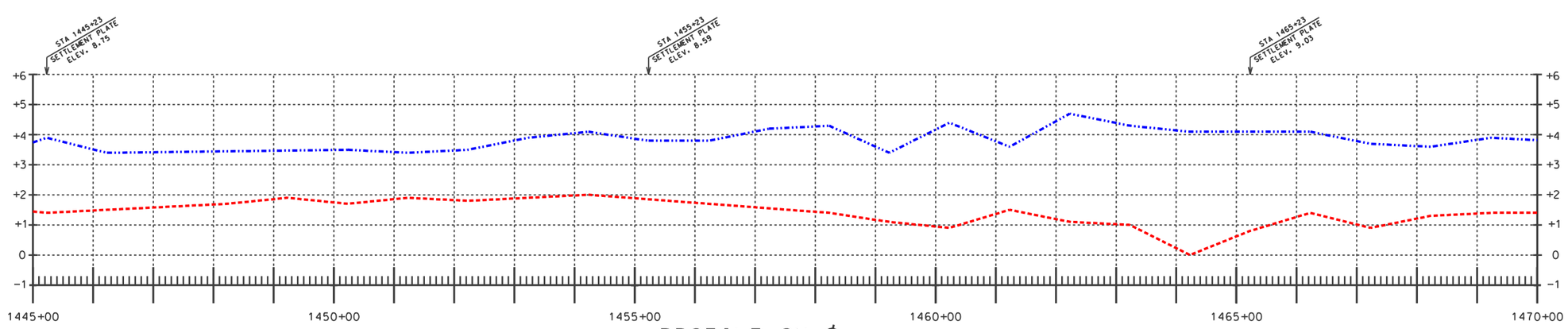

PROFILE ON ℄
STA. 1445+00 - 1470+00

"AS-BUILT"

TOP OF ROCK DIKE

TOP OF WEIGHT AGGREGATE BAGS

		Date
Approved by	E.J. GIERING III	03/02
Title	STATE CONSERVATION ENGINEER	
Title		

		Date
Designed	J. Moore	09/00
Drawn	A. J. Gremillion	03/02
Traced		
Checked	B. Sticker	03/02

PROFILE ON ℄ - AS-BUILT
BBWW EAST BANK PROTECTION
PROJECT NO. PBA-12B/BA-26
JEFFERSON PARISH, LOUISIANA

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

REVISIONS

DATE	APPR.	TITLE

CAD FILE NO.
LA306A6A2

DRAWING NO.
LA-306

SHEET NO 6A 2 OF 6

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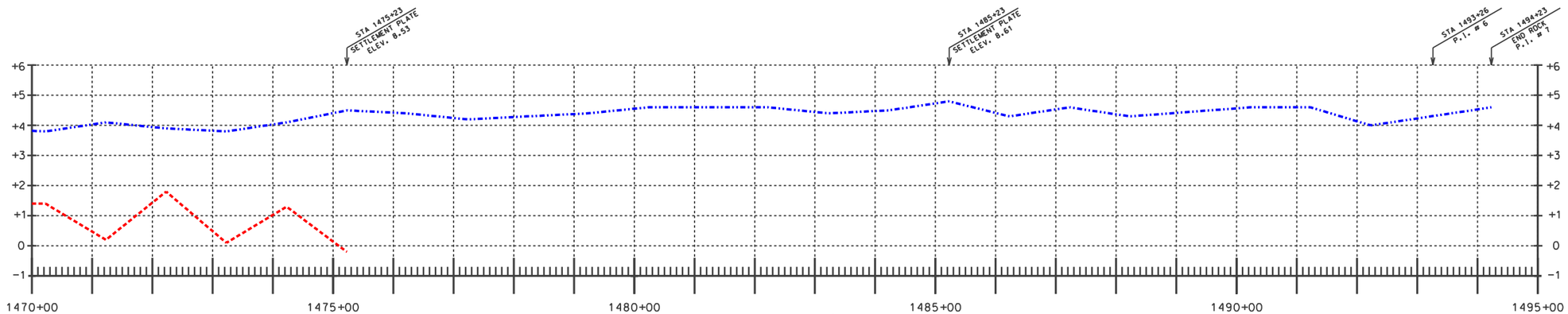

PROFILE ON ℄
STA.1470+00 - 1495+00

TOP OF ROCK DIKE

TOP OF WEIGHT AGGREGATE BAGS

"AS-BUILT"

		Date
Designed	J. Moore	09/00
Drawn	A. J. Gremillion	03/02
Traced		
Checked	B. Sticker	03/02

		Date
Approved by	E.J. GIERING III	03/02
Title	STATE CONSERVATION ENGINEER	
Title		

PROFILE ON ℄ - AS-BUILT
BBWW EAST BANK PROTECTION
PROJECT NO. PBA-12B/BA-26
JEFFERSON PARISH, LOUISIANA

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

REVISIONS

DATE	APPR.	TITLE

CAD FILE NO.
LA306A6A3

DRAWING NO.
LA-306

SHEET NO 6A 3 OF 6

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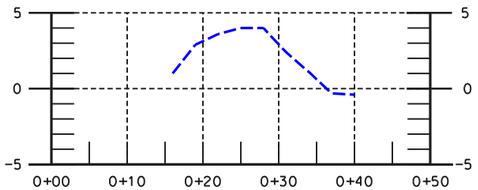

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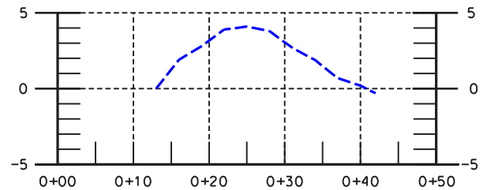

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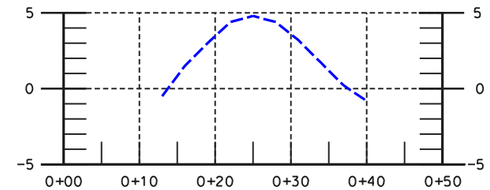

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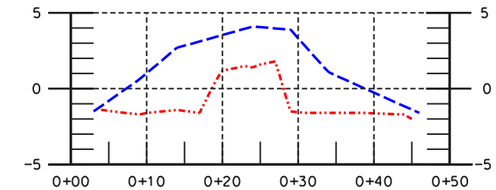

STA. 1342+23
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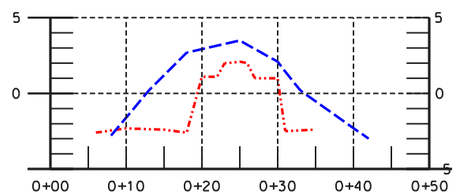

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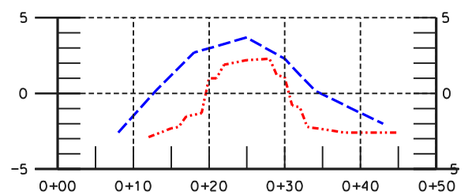

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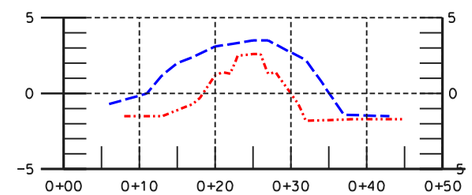

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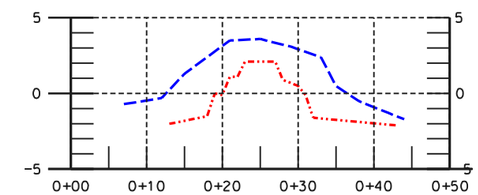

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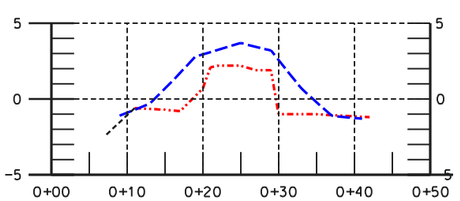

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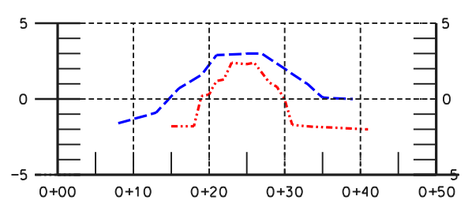

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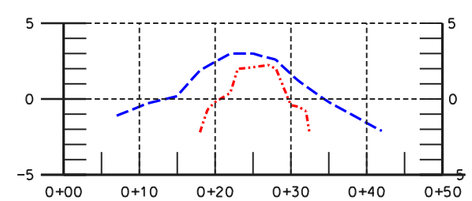

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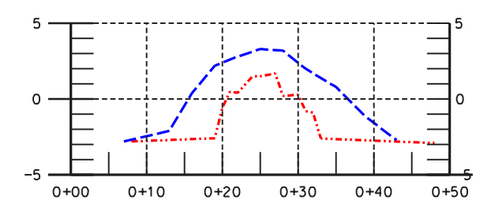

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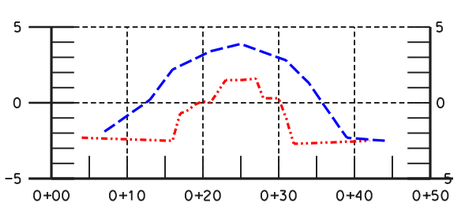

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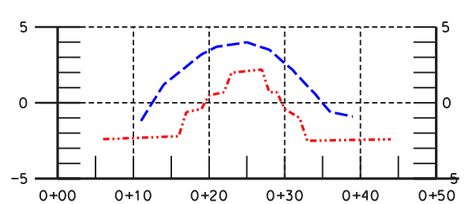

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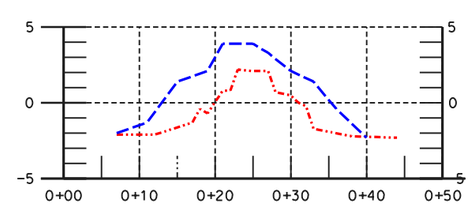

STA. 1393+23
COMPOSITE SECTION

"AS-BUILT"

CROSS SECTIONS-ENCAPSULATED AGGREGATE

CROSS SECTIONS-ROCK (CONSTRUCTION CHECK)

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

Date
Designed J. CHUA 07/99
Drawn D.J. WILMORE 07/99
Traced
Checked J. MOORE 02/00

X-SECTIONS-ASBUILT
BBWW EAST BANK PROTECTION
PROJECT NO. PBA-12B/BA-26
JEFFERSON PARISH, LOUISIANA

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

REVISIONS

NO.	DATE	APPR.	TITLE

CAD FILENAME
LA306A6A4.DGN

PROJECT NO.
LA306A

SHEET NO 6A4 OF 6

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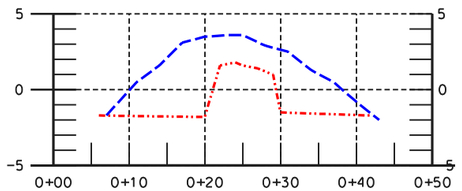
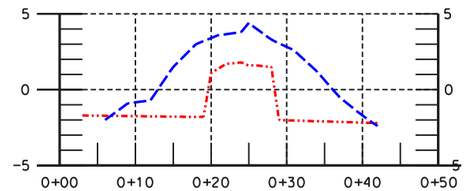
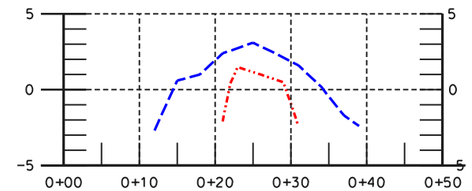


STA. 1401+23
COMPOSITE SECTION



STA. 1406+23
COMPOSITE SECTION



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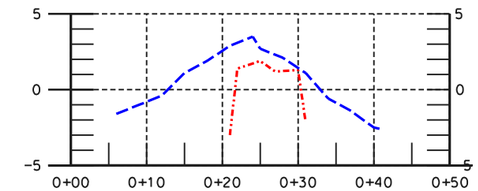

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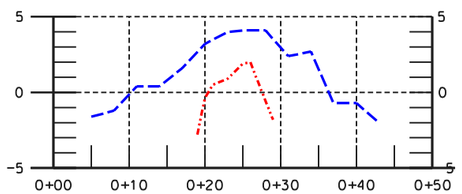

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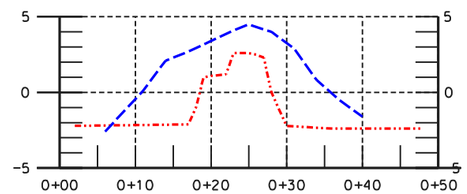

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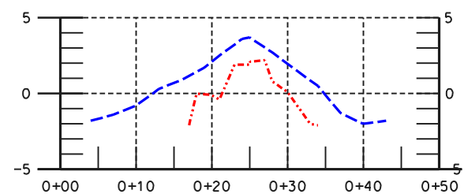

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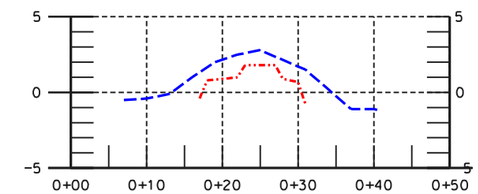

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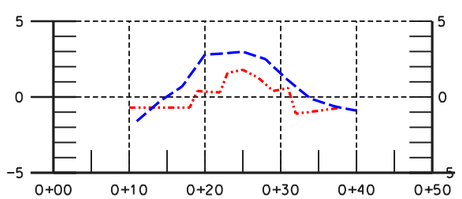

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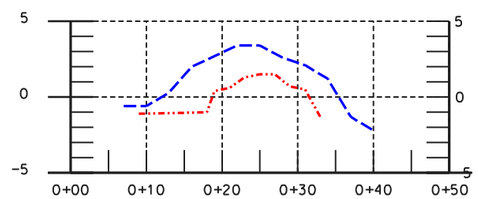

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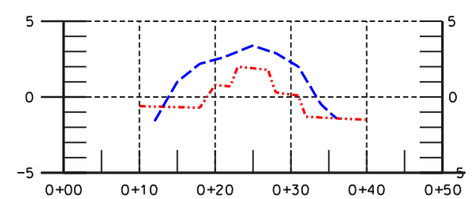

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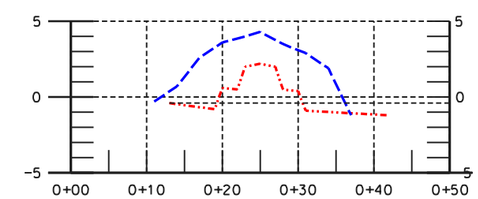

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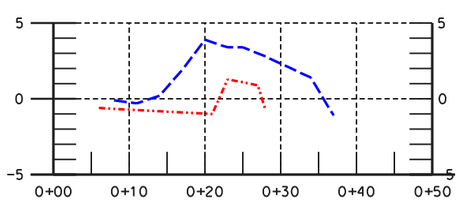

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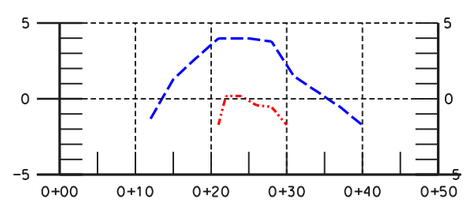

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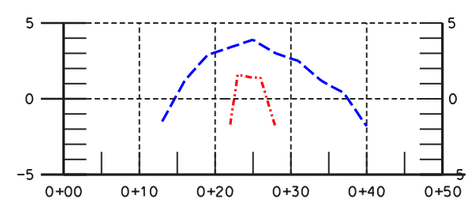
COMPOSITE SECTION



STA. 1469+23
COMPOSITE SECTION

"AS-BUILT"

CROSS SECTIONS-ENCAPSULATED AGGREGATE

CROSS SECTIONS-ROCK (CONSTRUCTION CHECK)

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

Designed J. CHUA 07/99 Date
Drawn D.J. WILMORE 07/99
Traced
Checked J. MOORE 02/00

X-SECTIONS-ASBUILT
BBWW EAST BANK PROTECTION
PROJECT NO. PBA-12B/BA-26
JEFFERSON PARISH, LOUISIANA

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

REVISIONS			
NO.	DATE	APPR.	TITLE

CAD FILENAME
LA306A6A5.DGN

PROJECT NO.
LA306A

SHEET NO 6A5 OF 6

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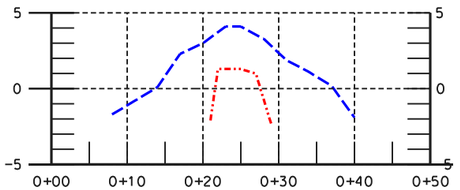

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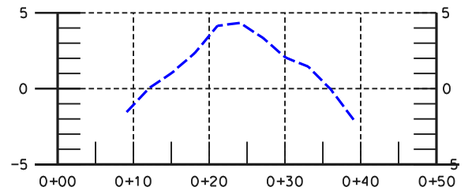

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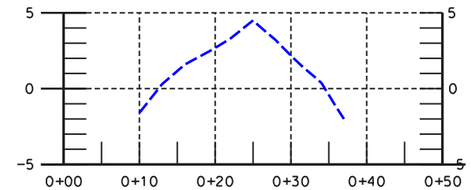

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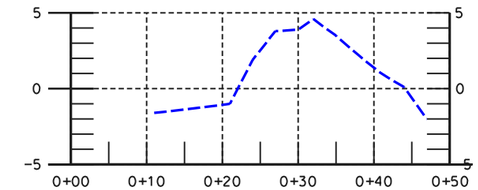
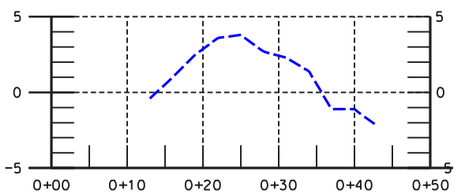


STA. 1490+23
COMPOSITE SECTION



STA. 1494+26
COMPOSITE SECTION

ELEV. ON TOP OF PIPE AT STA.1326+23
+10.83 (PLATE PLACED ON GEOTEXTILE)

ELEV. ON TOP OF PIPE AT STA.1335+23
+9.68 (PLATE PLACED ON GEOTEXTILE)

ELEV. ON TOP OF PIPE AT STA.1345+23
+8.38 (PLATE PLACED ON GEOTEXTILE)

ELEV. ON TOP OF PIPE AT STA.1355+23
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ELEV. ON TOP OF PIPE AT STA.1365+23
+10.00 (PLATE PLACED ON GEOTEXTILE)

ELEV. ON TOP OF PIPE AT STA.1375+23
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+8.69 (PLATE PLACED ON GEOTEXTILE)

ELEV. ON TOP OF PIPE AT STA.1405+23
+8.69 (PLATE PLACED ON GEOTEXTILE)

ELEV. ON TOP OF PIPE AT STA.1414+23
+8.45 (PLATE PLACED ON GEOTEXTILE)

ELEV. ON TOP OF PIPE AT STA.1425+23
+8.15 (PLATE PLACED ON GEOTEXTILE)

ELEV. ON TOP OF PIPE AT STA.1435+23
+9.10 (PLATE PLACED ON GEOTEXTILE)

ELEV. ON TOP OF PIPE AT STA.1445+23
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ELEV. ON TOP OF PIPE AT STA.1485+23
+8.61 (PLATE PLACED ON GEOTEXTILE)

"AS-BUILT"

CROSS SECTIONS-ENCAPSULATED AGGREGATE

CROSS SECTIONS-ROCK (CONSTRUCTION CHECK)

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

Date
Designed J. CHUA 07/99
Drawn D.J. WILMORE 07/99
Traced
Checked J. MOORE 02/00

X-SECTIONS-SETTLEMENT PLATE LOCATION ASBUILT
BBWW EAST BANK PROTECTION
PROJECT NO. PBA-12B/BA-26
JEFFERSON PARISH, LOUISIANA

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

REVISIONS

NO.	DATE	APPR.	TITLE

CAD FILENAME
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PROJECT NO.
LA306A

SHEET NO 6A6 OF 6

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