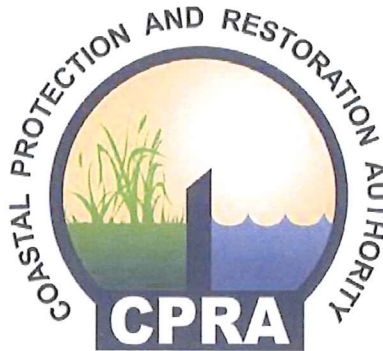


STATE OF LOUISIANA
COASTAL PROTECTION AND RESTORATION AUTHORITY
HYDROLOGIC RESTORATION AND VEGETATIVE
PLANTING IN THE DES ALLEMANDS SWAMP
PROJECT NO. BA-34-2
ST. JAMES PARISH, LOUISIANA

AS-BUILT SURVEY REPORT



Prepared For:
Coastal Protection and Restoration Authority



Prepared By:
Bayou Country Surveying, LLC
P.O. Box 156
Labadieville, LA 70372

SURVEY REPORT

TABLE OF CONTENTS

Section 1 Methodology Report

Section 2 Survey Report

List of Appendices

A As-built Drawing Files

B Survey Control

C Survey Data

D Field Notes

SECTION 1

METHODOLOGY REPORT

DESCRIPTION

The report details the procedures followed by Bayou Country Surveying, L.L.C. to provide the Coastal Protection and Restoration Authority (CPRA) with required survey data on channels 1, 2, 3, 4, 5, 6, Alternate 1 and Alternate 2 for the Hydrologic Restoration and Vegetative Planting in the Des Allemands Swamp Project NO. BA-34-2.

LOCATION

This site is located on the North side of Bayou Chevreuil near the St. James Boat Launch on Hwy 20.

The site is accessible only by boat.

PLANNING AND LAYOUT THE SURVEY

The purposes of the survey are as follows:

1. To provide As-built cross sections for constructed Channels.

DATA COLLECTION AND PROCESSING

The equipment that was used on this project was the Sokkia GRX1 base station with a Sokkia GRX1 rover unit and also a Sokkia SX Robotic total station. The data was stored in a Carlson Surveyor data collector. The Survey data was collected in Louisiana South Zone (1702) NAD 83 Feet and NAVD 88 Feet, Geoid12A. The Survey data was downloaded and processed through Carlson Survey Office software. The survey was performed by Bayou Country Surveying, L.L.C.

SECTION 2

SURVEY REPORT

PRECONSTRUCTION SURVEYS

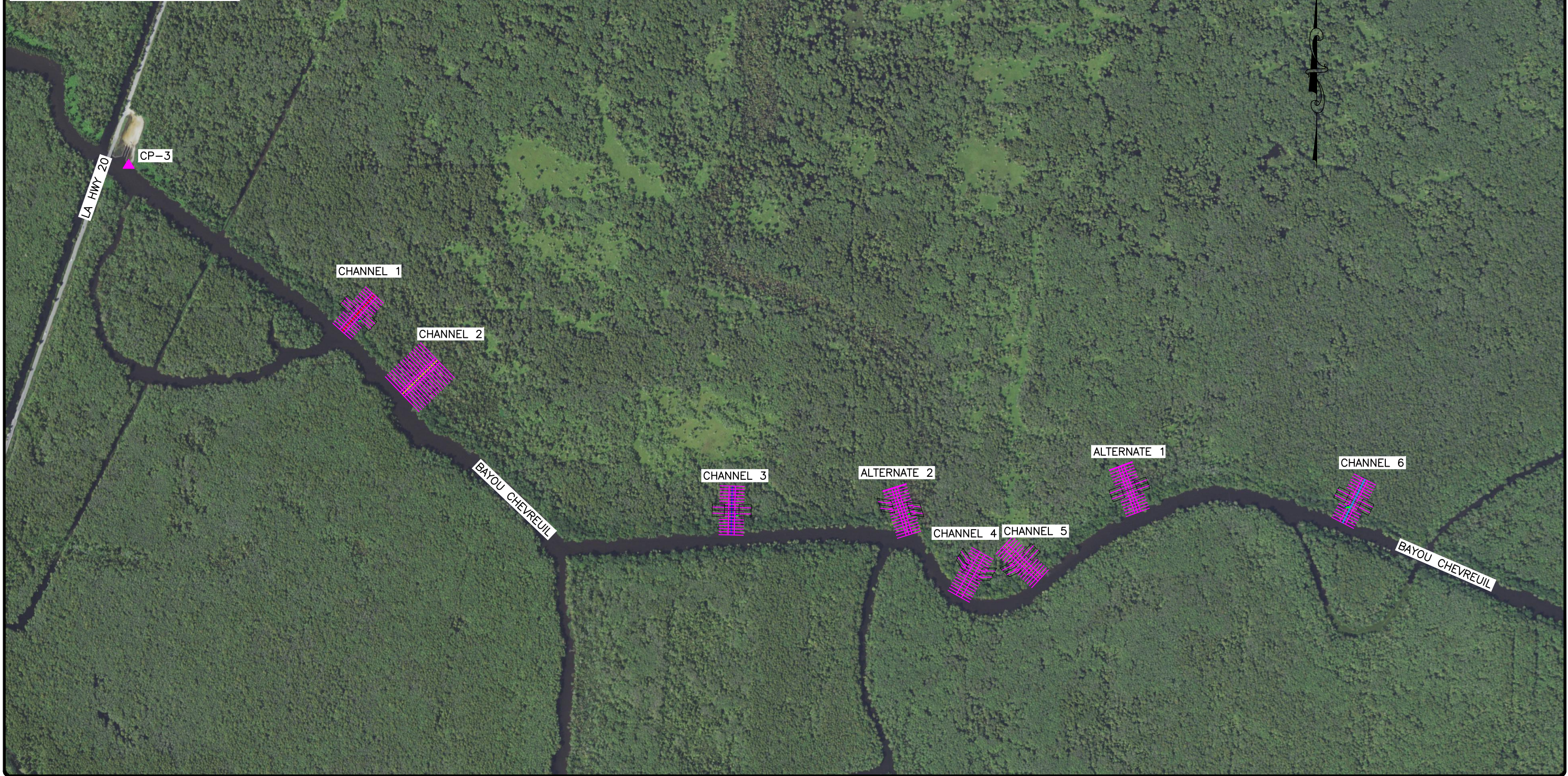
As-built surveys began on December 21, 2017 on Channel 1 and were completed on January 5, 2018. The As-built cross sections were performed on the constructed channels as they were completed to verify that the channel had been constructed to the proper width and depth. The spoil disposal areas were surveyed at a later date to allow the material to settle and dry so the Survey Crew would be able to access the disposal area. The Survey Crew performed the As-built cross sections using a combination of RTK GPS surveying equipment and Robotic total station depending of the site conditions at each Channel.

APPENDIX A

DRAWING FILES

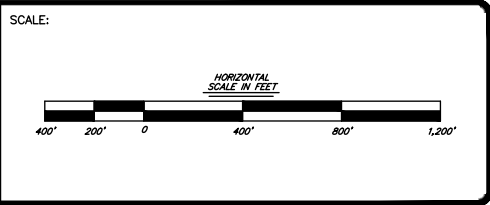
SURVEY NOTES:

1. ALL HORIZONTAL COORDINATES ARE REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83) LOUISIANA STATE PLANE, SOUTH ZONE.
2. ALL ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF NAVD88 IN U.S. SURVEY FEET.
3. PROJECT BENCH MARK "CP-3"
N = 513,653.40
E = 3,472,344.28
ELEV. 1.771' NAVD88
4. IMAGE BASED ON 2017 DOQQ



PROJECT NO:	
DIRECTORY: Z:\JOBS BY YEAR\2017\17-204	
FILE: 17-204 AS-BUILTS.DWG	
FIELD BOOK:	
MAP NO.	

DATE	DESCRIPTION	BY
	REVISION	



STAMP

Henry E. Schwartz IV
SIGNATURE:
11/9/18
DATE:

BAYOU COUNTRY SURVEYING, LLC
Professional Land Surveyors
PO Box 156 Labadieville, LA. 70372
Office 985-389-2722

DESIGNED:	DETAILED:	TRACED:
CHECKED:	CHECKED:	CHECKED:
DATE: 01/09/2018		PROJECT:

STATE OF LOUISIANA COASTAL PROTECTION AND RESTORATION AUTHORITY
PROJECT NO. BA-34-2
ST. JAMES PARISH, LOUISIANA
Magnolia Dredge & Dock, LLC
HYDROLOGIC RESTORATION AND VEGETATIVE PLANTING IN THE DES ALLEMANDS SWAMP
OVERALL PLAN VIEW

SHEET
1
OF 1 SHEETS

SURVEY NOTES:

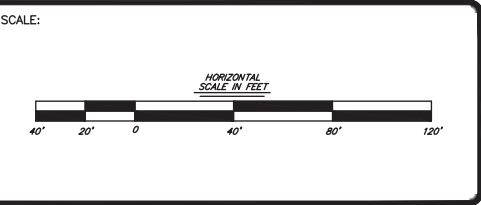
1. ALL HORIZONTAL COORDINATES ARE REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83) LOUISIANA STATE PLANE, SOUTH ZONE.
2. ALL ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF NAVD88 IN U.S. SURVEY FEET.
3. PROJECT BENCH MARK "CP-3"
N = 513,653.40
E = 3,472,344.28
ELEV. 1.771' NAVD88
4. IMAGE BASED ON 2017 DOQQ



LEGEND
CHANNEL 1 BASELINE ———

PROJECT NO:
DIRECTORY: Z:\JOBS BY YEAR \2017\17-204
FILE: 17-204 AS-BUILTS.DWG
FIELD BOOK:
MAP NO.

DATE	DESCRIPTION	BY



STAMP

Henry E. Schwartz IV
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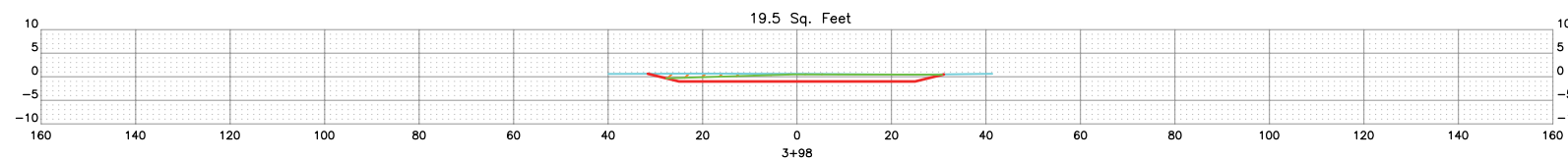
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CHECKED:	CHECKED:	CHECKED:
DATE: 01/09/2018	PROJECT:	

STATE OF LOUISIANA COASTAL PROTECTION AND RESTORATION AUTHORITY
PROJECT NO. BA-34-2
ST. JAMES PARISH, LOUISIANA
Magnolia Dredge & Dock, LLC
HYDROLOGIC RESTORATION AND VEGETATIVE PLANTING IN THE DES ALLEMANDS SWAMP
CHANNEL 1 PLAN VIEW

SHEET
1
OF 6 SHEETS

SURVEY NOTES:

1. ALL HORIZONTAL COORDINATES ARE REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83) LOUISIANA STATE PLANE, SOUTH ZONE.
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3. PROJECT BENCH MARK
"CP-3"
N = 513,653.40
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ELEV. 1.771' NAVD88



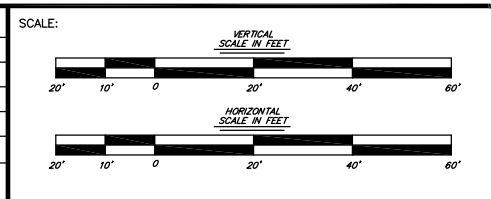
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ORIGINAL: Offset		39.91	22.68	0.35	24.76	41.31
AS-BUILT: Elevation			-0.19	0.51	0.45	
AS-BUILT: Offset			23.11	0.75	24.98	

LEGEND

- TYPICAL SECTION —
- ORIGINAL SECTION —
- AS-BUILT SECTION —

PROJECT NO:	
DIRECTORY: Z:\JOBS BY YEAR 2017\17-204	
FILE: 17-204 ASBUILTS.DWG	
FIELD BOOK:	
MAP NO.	

DATE	DESCRIPTION	BY
	REVISION	



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SIGNATURE: *Henry E. Schwartz IV*

DATE: 1/9/18

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Professional Land Surveyors
PO Box 156 Labadieville, LA. 70372
Office 985-369-2722

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DATE: 01/09/2018		PROJECT:

STATE OF LOUISIANA COASTAL
PROTECTION AND RESTORATION AUTHORITY
PROJECT NO. BA-34-2
ST. JAMES PARISH, LOUISIANA
Magnolia Dredge & Dock, LLC
HYDROLOGIC RESTORATION AND VEGETATIVE
PLANTING IN THE DES ALLEMANDS SWAMP
AS-BUILT SECTIONS CHANNEL 1

SHEET
6
OF 6 SHEETS

MAGNOLIA DREDGE & DOCK, LLC
 HYDROLOGIC RESTORATION AND VEGATATIVE
 PLANTING IN THE DES ALLEMANDS SWAMP
 CHANNEL 1 - AS-BUILT CALCULATIONS
 1/9/2018

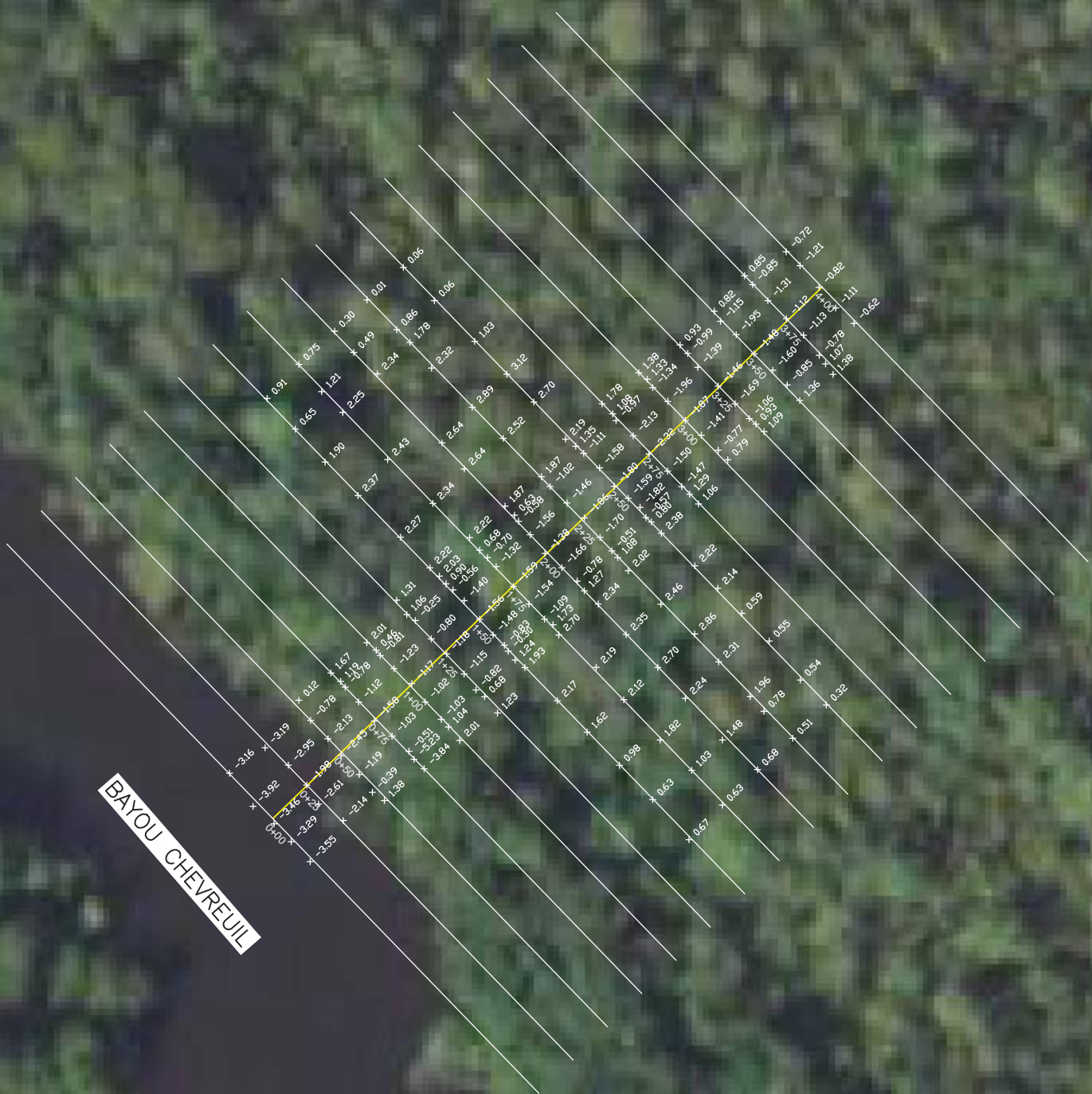
CHANNEL 1 - EXCAVATION AREAS

STATION No.	SQ. FT.	C.Y.
0+00	0.0	0.00
0+25	0.0	0.00
0+50	91.3	42.27
0+75	193.7	131.94
1+00	244.1	202.69
1+25	266.2	236.25
1+50	167.6	200.83
1+75	124.4	135.19
2+00	77.7	93.56
2+25	88.5	76.94
2+50	103.4	88.84
2+75	92.2	90.56
3+00	74.3	77.08
3+25	88.2	75.23
3+50	81.1	78.38
3+75	64.2	67.27
3+98	19.5	35.65

TOTAL: 1,633 Cubic Yards

SURVEY NOTES:

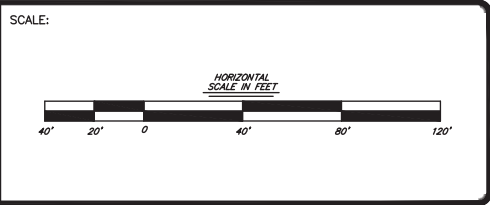
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3. PROJECT BENCH MARK "CP-3"
N = 513,653.40
E = 3,472,344.28
ELEV. 1.771' NAVD88
4. IMAGE BASED ON 2017 DOQQ



LEGEND
CHANNEL 2 BASELINE ——

PROJECT NO:	
DIRECTORY: Z:\JOBS BY YEAR\2017\17-204	
FILE: 17-204 AS-BUILTS.DWG	
FIELD BOOK:	
MAP NO.	

DATE	DESCRIPTION	BY
	REVISION	



STAMP

SIGNATURE: *Henry E. Schwartz IV*

DATE: 11/9/18

BAYOU COUNTRY SURVEYING, LLC
Professional Land Surveyors
PO Box 156 Labadieville, LA. 70372
Office 985-389-2722

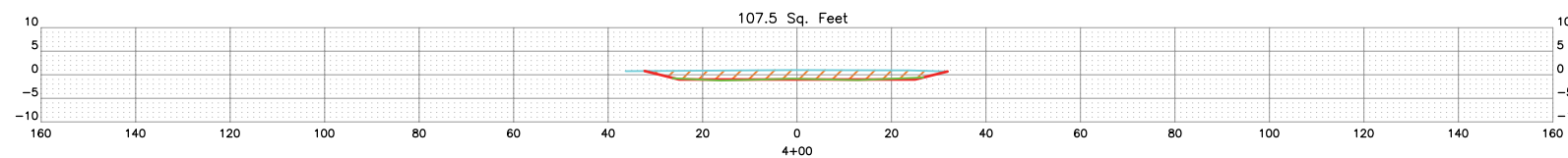
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CHECKED:	CHECKED:	CHECKED:
DATE: 01/09/2018		PROJECT:

STATE OF LOUISIANA COASTAL PROTECTION AND RESTORATION AUTHORITY
PROJECT NO. BA-34-2
ST. JAMES PARISH, LOUISIANA
Magnolia Dredge & Dock, LLC
HYDROLOGIC RESTORATION AND VEGETATIVE PLANTING IN THE DES ALLEMANDS SWAMP
CHANNEL 2 PLAN VIEW

SHEET
1
OF 6 SHEETS

SURVEY NOTES:

1. ALL HORIZONTAL COORDINATES ARE REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83) LOUISIANA STATE PLANE, SOUTH ZONE.
2. ALL ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF NAVD88 IN U.S. SURVEY FEET.
3. PROJECT BENCH MARK
"CP-3"
N = 513,653.40
E = 3,472,344.28
ELEV. 1.771' NAVD88



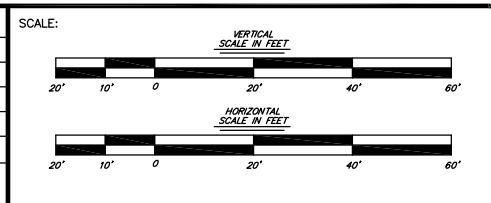
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AS-BUILT: Elevation				-0.72	-1.21	-0.82	-1.11	-0.62
AS-BUILT: Offset				26.33	16.07	1.00	12.82	25.29

LEGEND

- TYPICAL SECTION —
- ORIGINAL SECTION —
- AS-BUILT SECTION —

PROJECT NO:	
DIRECTORY: Z:\JOBS BY YEAR 2017\17-204	
FILE: 17-204 ASBUILTS.DWG	
FIELD BOOK:	
MAP NO.	

DATE	DESCRIPTION	BY
	REVISION	



STAMP

SIGNATURE: *Henry E. Schwartz IV*

DATE: 1/9/18

BAYOU COUNTRY SURVEYING, LLC
Professional Land Surveyors
PO Box 156 Labadieville, LA. 70372
Office 985-369-2722

DESIGNED:	DETAILED:	TRACED:
CHECKED:	CHECKED:	CHECKED:
DATE: 01/09/2018		PROJECT:

STATE OF LOUISIANA COASTAL
PROTECTION AND RESTORATION AUTHORITY
PROJECT NO. BA-34-2
ST. JAMES PARISH, LOUISIANA
Magnolia Dredge & Dock, LLC
HYDROLOGIC RESTORATION AND VEGETATIVE
PLANTING IN THE DES ALLEMANDS SWAMP
AS-BUILT SECTIONS CHANNEL 2

SHEET

6

OF 6 SHEETS

MAGNOLIA DREDGE & DOCK, LLC
HYDROLOGIC RESTORATION AND VEGATATIVE
PLANTING IN THE DES ALLEMANS SWAMP
CHANNEL 2 - AS-BUILT CALCULATIONS
1/9/2018

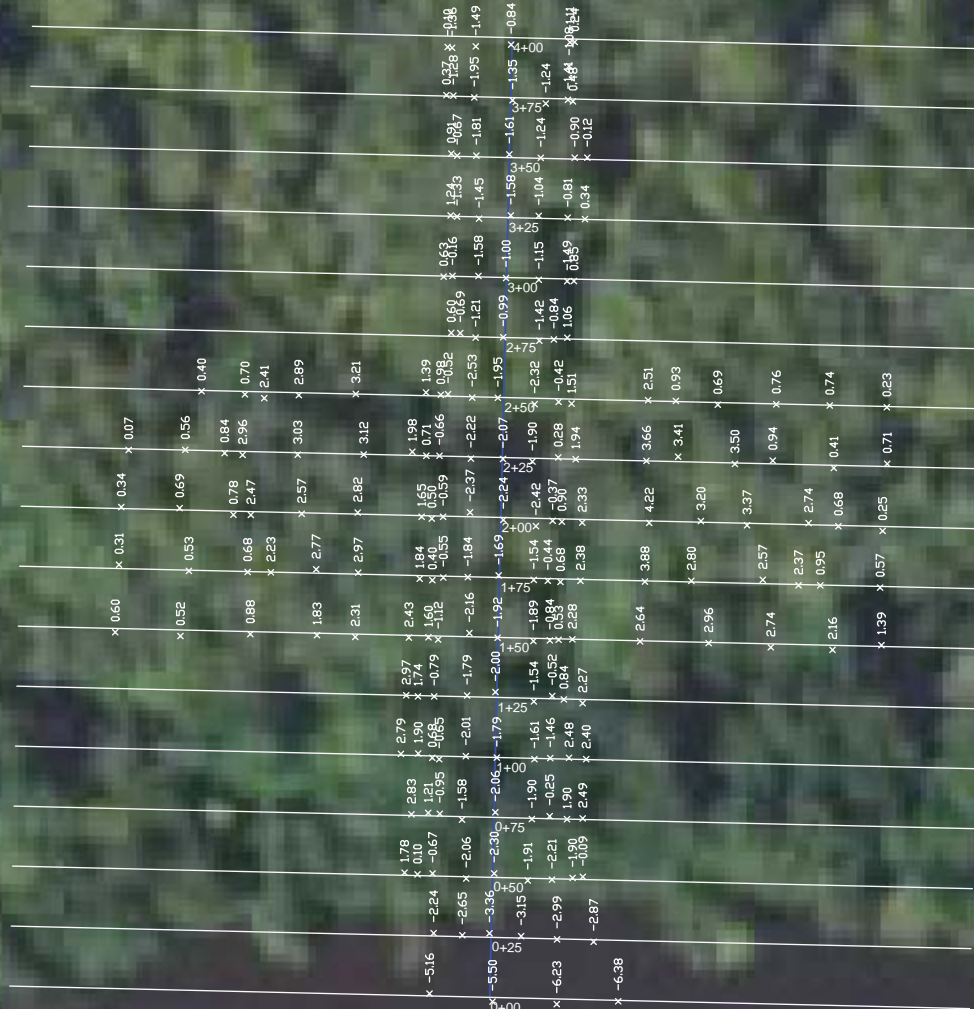
CHANNEL 2 - EXCAVATION AREAS

STATION No.	SQ. FT.	C.Y.
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0+50	55.8	25.83
0+75	139.0	90.19
1+00	156.5	136.81
1+25	115.2	125.79
1+50	103.7	101.34
1+75	86.9	88.24
2+00	90.2	81.99
2+25	100.2	88.15
2+50	101.3	93.29
2+75	90.5	88.80
3+00	97.4	86.99
3+25	99.8	91.30
3+50	98.9	91.99
3+75	105.3	94.54
4+00	107.5	98.52

TOTAL: 1,384 Cubic Yards

SURVEY NOTES:

1. ALL HORIZONTAL COORDINATES ARE REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83) LOUISIANA STATE PLANE, SOUTH ZONE.
2. ALL ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF NAVD88 IN U.S. SURVEY FEET.
3. PROJECT BENCH MARK "CP-3"
N = 513,653.40
E = 3,472,344.28
ELEV. 1.771' NAVD88
4. IMAGE BASED ON 2017 DOQQ

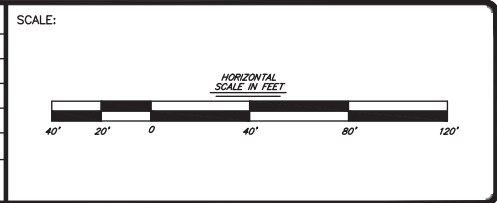


BAYOU CHEVREUIL

LEGEND
CHANNEL 3 BASELINE

PROJECT NO:	
DIRECTORY: Z:\JOBS BY YEAR\2017\17-204	
FILE: 17-204 AS-BUILTS.DWG	
FIELD BOOK:	
MAP NO.	

DATE	DESCRIPTION	BY
	REVISION	



STAMP

SIGNATURE: *Henry E. Schwartz IV*

DATE: 11/9/18

BAYOU COUNTRY SURVEYING, LLC
Professional Land Surveyors
PO Box 156 Labadieville, LA. 70372
Office 985-389-2722

DESIGNED:	DETAILED:	TRACED:
CHECKED:	CHECKED:	CHECKED:
DATE: 01/09/2018		PROJECT:

STATE OF LOUISIANA COASTAL PROTECTION AND RESTORATION AUTHORITY
PROJECT NO. BA-34-2
ST. JAMES PARISH, LOUISIANA
Magnolia Dredge & Dock, LLC
HYDROLOGIC RESTORATION AND VEGETATIVE PLANTING IN THE DES ALLEMANDS SWAMP
CHANNEL 3 PLAN VIEW

SHEET
1
OF 6 SHEETS

MAGNOLIA DREDGE & DOCK, LLC
 HYDROLOGIC RESTORATION AND VEGATATIVE
 PLANTING IN THE DES ALLEMANDS SWAMP
 CHANNEL 3 - AS-BUILT CALCULATIONS
 1/9/2018

CHANNEL 3 - EXCAVATION AREAS

STATION No.	SQ. FT.	C.Y.
0+00	0.0	0.00
0+25	0.0	0.00
0+50	18.4	8.52
0+75	150.3	78.10
1+00	167.4	147.08
1+25	129.1	137.27
1+50	90.1	101.48
1+75	88.5	82.69
2+00	94.9	84.91
2+25	95.0	87.92
2+50	100.3	90.42
2+75	79.5	83.24
3+00	87.7	77.41
3+25	80.9	78.06
3+50	84.4	76.53
3+75	102.5	86.53
4+00	100.8	94.12

TOTAL: 1,314 Cubic Yards

SURVEY NOTES:

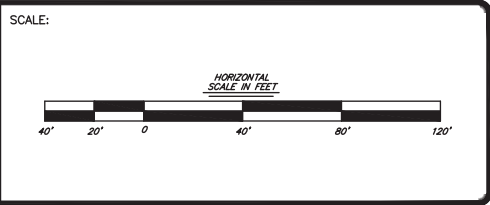
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2. ALL ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF NAVD88 IN U.S. SURVEY FEET.
3. PROJECT BENCH MARK "CP-3"
N = 513,653.40
E = 3,472,344.28
ELEV. 1.771' NAVD88
4. IMAGE BASED ON 2017 DOQQ



LEGEND
CHANNEL 4 BASELINE

PROJECT NO:	
DIRECTORY: Z:\JOBS BY YEAR \2017\17-204	
FILE: 17-204 AS-BUILTS.DWG	
FIELD BOOK:	
MAP NO.	

DATE	DESCRIPTION	BY
	REVISION	



STAMP

SIGNATURE: *Henry E. Schwartz IV*

DATE: 11/9/18

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Professional Land Surveyors
PO Box 156 Labadieville, LA. 70372
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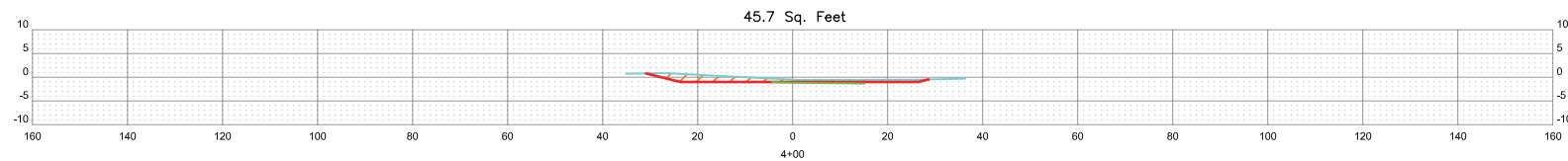
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CHECKED:	CHECKED:	CHECKED:
DATE: 01/09/2018		PROJECT:

STATE OF LOUISIANA COASTAL PROTECTION AND RESTORATION AUTHORITY
PROJECT NO. BA-34-2
ST. JAMES PARISH, LOUISIANA
Magnolia Dredge & Dock, LLC
HYDROLOGIC RESTORATION AND VEGETATIVE PLANTING IN THE DES ALLEMANS SWAMP
CHANNEL 4 PLAN VIEW

SHEET
1
OF 6 SHEETS

SURVEY NOTES:

1. ALL HORIZONTAL COORDINATES ARE REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83) LOUISIANA STATE PLANE, SOUTH ZONE.
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3. PROJECT BENCH MARK
"CP-3"
N = 513,653.40
E = 3,472,344.28
ELEV. 1.771' NAVD88



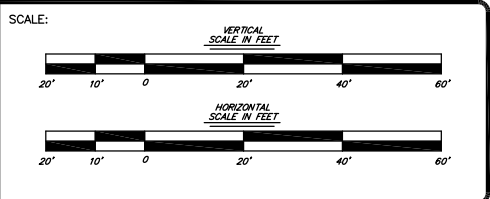
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ORIGINAL: Offset		35.11	26.78	0.96	25.72	36.30
AS-BUILT: Elevation				-0.98	-1.18	-1.32
AS-BUILT: Offset				4.31	0.27	15.15

LEGEND

TYPICAL SECTION	
ORIGINAL SECTION	
AS-BUILT SECTION	

PROJECT NO:	
DIRECTORY: Z:\JOBS BY YEAR 2017\17-204	
FILE: 17-204 ASBUILTS.DWG	
FIELD BOOK:	
MAP NO.	

DATE	DESCRIPTION	BY
	REVISION	



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SIGNATURE: *Henry E. Schwartz IV*

DATE: 1/9/18

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CHECKED:	CHECKED:	CHECKED:
DATE: 01/09/2018		PROJECT:

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ST. JAMES PARISH, LOUISIANA
Magnolia Dredge & Dock, LLC
HYDROLOGIC RESTORATION AND VEGETATIVE PLANTING IN THE DES ALLEMANDS SWAMP
AS-BUILT SECTIONS CHANNEL 4

MAGNOLIA DREDGE & DOCK, LLC
 HYDROLOGIC RESTORATION AND VEGATATIVE
 PLANTING IN THE DES ALLEMANS SWAMP
 CHANNEL 4 - AS-BUILT CALCULATIONS
 1/9/2018

CHANNEL 4 - EXCAVATION AREAS

STATION No.	SQ. FT.	C.Y.
0+00	0.0	0.00
0+25	0.0	0.00
0+50	175.6	81.30
0+75	328.5	233.38
1+00	329.5	304.63
1+25	261.0	273.38
1+50	145.8	188.33
1+75	97.3	112.55
2+00	70.7	77.78
2+25	91.9	75.28
2+50	113.0	94.86
2+75	98.7	98.01
3+00	95.2	89.77
3+25	75.7	79.12
3+50	55.0	60.51
3+75	66.7	56.34
4+00	45.7	52.04

TOTAL: 1,877 Cubic Yards

SURVEY NOTES:

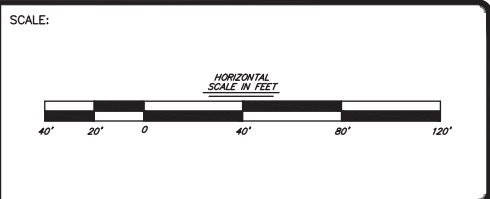
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3. PROJECT BENCH MARK "CP-3"
N = 513,653.40
E = 3,472,344.28
ELEV. 1.771' NAVD88
4. IMAGE BASED ON 2017 DOQQ



LEGEND
CHANNEL 5 BASELINE

PROJECT NO:	
DIRECTORY: Z:\JOBS BY YEAR\2017\17-204	
FILE: 17-204 AS-BUILTS.DWG	
FIELD BOOK:	
MAP NO.	

DATE	DESCRIPTION	BY
	REVISION	



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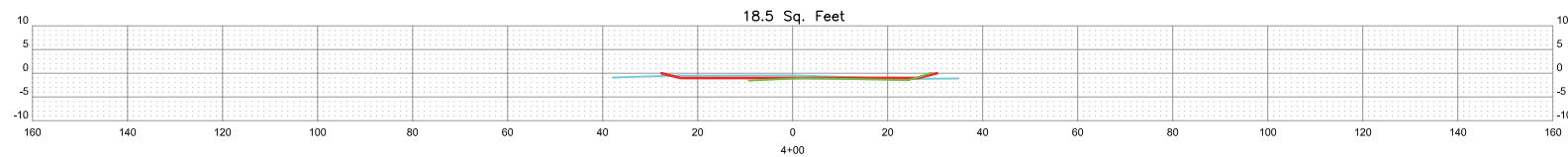
DESIGNED:	DETAILED:	TRACED:
CHECKED:	CHECKED:	CHECKED:
DATE: 01/09/2018		PROJECT:

STATE OF LOUISIANA COASTAL PROTECTION AND RESTORATION AUTHORITY
PROJECT NO. BA-34-2
ST. JAMES PARISH, LOUISIANA
Magnolia Dredge & Dock, LLC
HYDROLOGIC RESTORATION AND VEGETATIVE PLANTING IN THE DES ALLEMANDS SWAMP
CHANNEL 5 PLAN VIEW

SHEET
1
OF 6 SHEETS

SURVEY NOTES:

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 N = 513,653.40
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 ELEV. 1.771' NAVD88



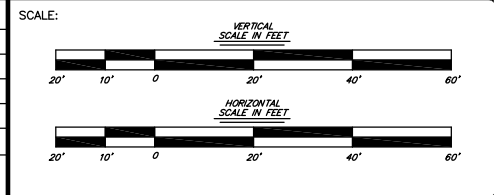
ORIGINAL: Elevation				-0.87	-0.48	-0.44	-1.19	-1.09
ORIGINAL: Offset				37.87	25.05	0.13	24.92	34.87
AS-BUILT: Elevation						-1.50	-1.01	-1.21
AS-BUILT: Offset						8.89	2.00	13.35
							24.15	29.29
							0.12	

LEGEND

- TYPICAL SECTION —
- ORIGINAL SECTION —
- AS-BUILT SECTION —

PROJECT NO:	
DIRECTORY: Z:\JOBS BY YEAR\2017\17-204	
FILE: 17-204 ASBUILTS.DWG	
FIELD BOOK:	
MAP NO.	

DATE	DESCRIPTION	BY
	REVISION	



STAMP

SIGNATURE: *Henry E. Schwartz IV*

DATE: 1/9/18

BAYOU COUNTRY SURVEYING, LLC
 Professional Land Surveyors
 PO Box 156 Labadieville, LA. 70372
 Office 985-369-2722

DESIGNED:	DETAILED:	TRACED:
CHECKED:	CHECKED:	CHECKED:
DATE: 01/09/2018		PROJECT:

STATE OF LOUISIANA COASTAL PROTECTION AND RESTORATION AUTHORITY
 PROJECT NO. BA-34-2
 ST. JAMES PARISH, LOUISIANA
 Magnolia Dredge & Dock, LLC
 HYDROLOGIC RESTORATION AND VEGETATIVE PLANTING IN THE DES ALLEMANDS SWAMP
 AS-BUILT SECTIONS CHANNEL 5

SHEET
 6
 OF 6 SHEETS

MAGNOLIA DREDGE & DOCK, LLC
HYDROLOGIC RESTORATION AND VEGATATIVE
PLANTING IN THE DES ALLEMANDS SWAMP
CHANNEL 5 - AS-BUILT CALCULATIONS
1/9/2018

CHANNEL 5 - EXCAVATION AREAS

STATION No.	SQ. FT.	C.Y.
0+00	0.0	0.00
0+25	28.0	12.96
0+50	178.8	95.74
0+75	380.3	258.84
1+00	326.9	327.41
1+25	218.3	252.41
1+50	168.6	179.12
1+75	120.3	133.75
2+00	59.6	83.29
2+25	26.4	39.81
2+50	10.2	16.94
2+75	0.5	4.95
3+00	15.4	7.36
3+25	12.2	12.78
3+50	9.6	10.09
3+75	3.9	6.25
4+00	18.5	10.37

TOTAL: 1,452 Cubic Yards

SURVEY NOTES:

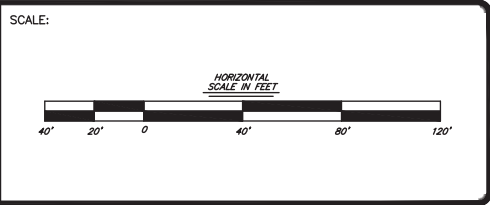
1. ALL HORIZONTAL COORDINATES ARE REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83) LOUISIANA STATE PLANE, SOUTH ZONE.
2. ALL ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF NAVD88 IN U.S. SURVEY FEET.
3. PROJECT BENCH MARK "CP-3"
N = 513,653.40
E = 3,472,344.28
ELEV. 1.771' NAVD88
4. IMAGE BASED ON 2017 DOQQ



LEGEND
CHANNEL 6 BASELINE

PROJECT NO:	
DIRECTORY: Z:\JOBS BY YEAR\2017\17-204	
FILE: 17-204 AS-BUILTS.DWG	
FIELD BOOK:	
MAP NO.	

DATE	DESCRIPTION	BY
	REVISION	



STAMP

SIGNATURE: *Henry E. Schwartz IV*

DATE: 11/9/18

BAYOU COUNTRY SURVEYING, LLC
Professional Land Surveyors
PO Box 156 Labadieville, LA. 70372
Office 985-369-2722

DESIGNED:	DETAILED:	TRACED:
CHECKED:	CHECKED:	CHECKED:
DATE: 01/09/2018		PROJECT:

STATE OF LOUISIANA COASTAL PROTECTION AND RESTORATION AUTHORITY
PROJECT NO. BA-34-2
ST. JAMES PARISH, LOUISIANA
Magnolia Dredge & Dock, LLC
HYDROLOGIC RESTORATION AND VEGETATIVE PLANTING IN THE DES ALLEMANDS SWAMP
CHANNEL 6 PLAN VIEW

SHEET
1
OF 6 SHEETS

MAGNOLIA DREDGE & DOCK, LLC
 HYDROLOGIC RESTORATION AND VEGATATIVE
 PLANTING IN THE DES ALLEMANS SWAMP
 CHANNEL 6 - AS-BUILT CALCULATIONS
 1/9/2018

CHANNEL 6 - EXCAVATION AREAS

STATION No.	SQ. FT.	C.Y.
0+00	0.0	0.00
0+25	0.0	0.00
0+50	107.5	49.77
0+75	144.2	116.53
1+00	150.6	136.48
1+25	152.1	140.14
1+50	99.6	116.53
1+75	72.2	79.54
2+00	71.9	66.71
2+25	82.8	71.62
2+50	103.1	86.06
2+75	82.7	86.02
3+00	77.5	74.17
3+25	80.3	73.06
3+50	103.0	84.86
3+75	90.8	89.72
3+99	65.6	69.51

TOTAL: 1,341 Cubic Yards

SURVEY NOTES:

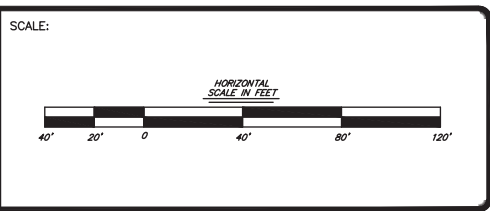
1. ALL HORIZONTAL COORDINATES ARE REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83) LOUISIANA STATE PLANE, SOUTH ZONE.
2. ALL ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF NAVD88 IN U.S. SURVEY FEET.
3. PROJECT BENCH MARK "CP-3"
N = 513,653.40
E = 3,472,344.28
ELEV. 1.771' NAVD88
4. IMAGE BASED ON 2017 DOQQ



LEGEND
CHANNEL ALT. 1 BASELINE

PROJECT NO:	
DIRECTORY: Z:\JOBS BY YEAR\2017\17-204	
FILE: 17-204 AS-BUILTS.DWG	
FIELD BOOK:	
MAP NO.	

DATE	DESCRIPTION	BY
	REVISION	



STAMP

SIGNATURE: *Henry E. Schwartz IV*

DATE: 11/9/18

BAYOU COUNTRY SURVEYING, LLC
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PO Box 156 Labadieville, LA. 70372
Office 985-389-2722

DESIGNED:	DETAILED:	TRACED:
CHECKED:	CHECKED:	CHECKED:
DATE: 01/09/2018		PROJECT:

STATE OF LOUISIANA COASTAL PROTECTION AND RESTORATION AUTHORITY
PROJECT NO. BA-34-2
ST. JAMES PARISH, LOUISIANA
Magnolia Dredge & Dock, LLC
HYDROLOGIC RESTORATION AND VEGETATIVE PLANTING IN THE DES ALLEMANDS SWAMP
CHANNEL ALT. 1 PLAN VIEW

SHEET
1
OF 6 SHEETS

MAGNOLIA DREDGE & DOCK, LLC
 HYDROLOGIC RESTORATION AND VEGATATIVE
 PLANTING IN THE DES ALLEMANDS SWAMP
 CHANNEL ALT. 1 - AS-BUILT CALCULATIONS
 1/9/2018

CHANNEL ALT. 1 - EXCAVATION AREAS

STATION No.	SQ. FT.	C.Y.
0+00	0.0	0.00
0+25	0.0	0.00
0+50	280.3	129.77
0+75	295.6	266.62
1+00	243.6	249.63
1+25	150.9	182.64
1+50	144.3	136.67
1+75	113.2	119.21
2+00	109.7	103.19
2+25	94.1	94.35
2+50	56.8	69.86
2+75	83.2	64.81
3+00	65.1	68.66
3+25	44.7	50.83
3+50	71.9	53.98
3+75	70.6	65.97
4+00	80.8	70.09
4+06	80.8	17.96

TOTAL: 1,744 Cubic Yards

SURVEY NOTES:

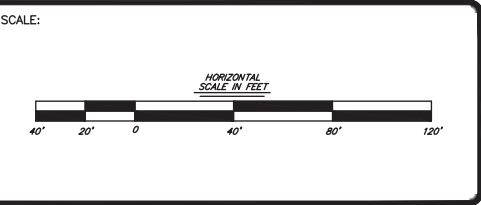
1. ALL HORIZONTAL COORDINATES ARE REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83) LOUISIANA STATE PLANE, SOUTH ZONE.
2. ALL ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF NAVD88 IN U.S. SURVEY FEET.
3. PROJECT BENCH MARK "CP-3"
N = 513,653.40
E = 3,472,344.28
ELEV. 1.771' NAVD88
4. IMAGE BASED ON 2017 DOQQ



LEGEND
CHANNEL ALT. 2 BASELINE

PROJECT NO:	
DIRECTORY: Z:\JOBS BY YEAR\2017\17-204	
FILE: 17-204 AS-BUILTS.DWG	
FIELD BOOK:	
MAP NO.	

DATE	DESCRIPTION	BY
	REVISION	



STAMP

SIGNATURE: *Henry E. Schwartz IV*

DATE: 11/9/18

BAYOU COUNTRY SURVEYING, LLC
Professional Land Surveyors
PO Box 156 Labadieville, LA. 70372
Office 985-389-2722

DESIGNED:	DETAILED:	TRACED:
CHECKED:	CHECKED:	CHECKED:
DATE: 01/09/2018		PROJECT:

STATE OF LOUISIANA COASTAL PROTECTION AND RESTORATION AUTHORITY
PROJECT NO. BA-34-2
ST. JAMES PARISH, LOUISIANA
Magnolia Dredge & Dock, LLC
HYDROLOGIC RESTORATION AND VEGETATIVE PLANTING IN THE DES ALLEMANDS SWAMP
CHANNEL ALT. 2 PLAN VIEW

SHEET
1
OF 6 SHEETS

MAGNOLIA DREDGE & DOCK, LLC
HYDROLOGIC RESTORATION AND VEGATATIVE
PLANTING IN THE DES ALLEMANDS SWAMP
CHANNEL ALT. 2 - AS-BUILT CALCULATIONS
1/9/2018

CHANNEL ALT. 2 - EXCAVATION AREAS

STATION No.	SQ. FT.	C.Y.
0+00	0.0	0.00
0+25	0.0	0.00
0+50	8.0	3.70
0+75	29.0	17.13
1+00	68.1	44.95
1+25	41.2	50.60
1+50	56.0	45.00
1+75	50.0	49.07
2+00	49.5	46.06
2+25	68.2	54.49
2+50	76.4	66.94
2+75	54.5	60.60
3+00	43.2	45.23
3+25	30.6	34.17
3+50	79.7	51.06
3+75	114.1	89.72
4+00	103.3	100.65

TOTAL: 759 Cubic Yards

APPENDIX B

SURVEY CONTROL

CONTROL BENCHMARK DATASHEET

State Project No. H.013116
LA 20 Widening
ROUTE LA 20
ST. JAMES/LAFOURCHE PARISH
Station Name: "CP 3"



VICINITY MAP

SCALE: 1" = 500'

Monument Location:

The station is located in St. James Parish, Louisiana. To reach the station from the intersection of Highway 20 and Rodrigue St., proceed in a northerly direction along Highway 20 for 0.93 miles ($\pm 4,936'$) to the mark on the right. The monument is located $\pm 184'$ east of the centerline of Highway 20.

Reference Marks:

PK Nail in abandoned wooden post
N11°29'09"E-64.07'
(N=513716.18, E=3472357.04)
PK Nail in wooden pile N87°46'50"W-19.08'
(N=513654.14, E=3472325.214)
PK Nail in wooden pile S09°36'22"E-15.00'
(N=513638.61, E=3472346.79)

Monument Description:

Datum point set on 3" aluminum disk on a 2' long 3/4" iron rod, set in concrete.

Monument Established By: T.Baker Smith, LLC

Date: July 19, 2017

Adjusted NAD 83 (2011)

Epoch 2010.00 Geodetic Position

Latitude: 29° 54' 39.81307" N

Longitude: 90° 43' 43.82642" W

Adjusted SPC L A South US Survey Feet

Northing: 513653.40 Easting: 3473266.19

Leveled NAVD88 (2009.55) Elevation (GEOID 2012A)

Height: 1.771 US Survey Feet



APPENDIX C

SURVEY DATA

CHANNEL 1 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
2152	512258.15	3474132.30	-4.77	0+00 NG
2153	512266.52	3474122.98	-5.05	0+00 NG
2154	512275.88	3474113.16	-5.05	0+00 NG
2155	512292.84	3474094.18	-4.26	0+00 NG
2156	512313.46	3474076.33	-4.56	0+00 NG
2157	512321.54	3474060.52	-4.82	0+00 NG
2146	512336.43	3474082.84	-1.70	0+25 NG
2147	512327.05	3474097.32	-2.90	0+25 NG
2148	512312.88	3474106.14	-3.63	0+25 NG
2149	512303.29	3474118.34	-3.47	0+25 NG
2150	512293.13	3474130.03	-2.34	0+25 NG
2151	512281.17	3474141.85	-2.65	0+25 NG
2137	512309.61	3474150.84	-0.89	0+50 NG
2138	512301.96	3474156.95	-0.55	0+50 NG
2139	512314.40	3474143.04	-2.17	0+50 NG
2140	512320.38	3474135.50	-2.82	0+50 NG
2141	512332.83	3474124.19	-2.96	0+50 NG
2142	512341.06	3474115.60	-2.57	0+50 NG
2143	512348.08	3474105.73	-0.79	0+50 NG
2144	512350.79	3474103.04	0.83	0+50 NG
2145	512356.17	3474098.45	2.15	0+50 NG
2001	512332.12	3474161.22	-1.52	0+75 NG
2002	512327.34	3474167.17	0.94	0+75 NG
2003	512322.48	3474171.36	1.94	0+75 NG
2004	512318.52	3474175.83	1.65	0+75 NG
2130	512376.13	3474110.68	2.97	0+75 NG
2131	512372.40	3474116.49	1.99	0+75 NG
2132	512368.12	3474120.69	0.63	0+75 NG
2133	512365.13	3474125.11	-0.71	0+75 NG
2134	512357.25	3474132.51	-2.00	0+75 NG
2135	512349.07	3474140.64	-2.30	0+75 NG
2136	512340.99	3474148.91	-1.83	0+75 NG
2005	512338.34	3474191.54	2.80	1+00 NG
2006	512346.13	3474183.82	1.36	1+00 NG
2007	512352.38	3474176.20	-1.45	1+00 NG
2123	512358.81	3474167.20	-1.45	1+00 NG
2124	512367.78	3474157.86	-1.98	1+00 NG
2125	512377.44	3474148.07	-1.98	1+00 NG
2126	512383.91	3474140.15	-0.50	1+00 NG
2127	512388.79	3474134.05	1.92	1+00 NG
2128	512393.89	3474128.64	3.35	1+00 NG
2129	512397.51	3474125.57	3.86	1+00 NG
2008	512370.53	3474192.56	-1.00	1+25 NG
2009	512366.72	3474196.77	1.54	1+25 NG
2010	512361.89	3474202.75	2.90	1+25 NG

CHANNEL 1 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
2011	512357.90	3474207.42	3.80	1+25 NG
2115	512418.82	3474137.92	3.68	1+25 NG
2116	512413.83	3474145.04	3.43	1+25 NG
2117	512408.72	3474150.52	2.30	1+25 NG
2118	512403.77	3474156.64	0.08	1+25 NG
2119	512401.61	3474158.05	-0.73	1+25 NG
2120	512394.94	3474165.75	-0.93	1+25 NG
2121	512387.13	3474175.79	-1.19	1+25 NG
2122	512377.54	3474184.63	-1.24	1+25 NG
2012	512366.71	3474236.40	2.78	1+50 NG
2013	512374.63	3474226.46	2.54	1+50 NG
2014	512381.98	3474218.03	2.33	1+50 NG
2015	512386.33	3474213.22	1.04	1+50 NG
2016	512389.01	3474210.13	-0.98	1+50 NG
2107	512395.41	3474202.04	-1.37	1+50 NG
2108	512405.08	3474190.85	-1.40	1+50 NG
2109	512414.04	3474180.86	-1.12	1+50 NG
2110	512422.05	3474172.80	-0.77	1+50 NG
2111	512426.61	3474167.65	1.20	1+50 NG
2112	512431.74	3474161.77	2.60	1+50 NG
2113	512439.22	3474153.87	3.03	1+50 NG
2114	512444.90	3474146.00	3.01	1+50 NG
3074	512347.59	3474257.05	2.67	1+50 NG
3075	512326.92	3474278.30	2.54	1+50 NG
3076	512311.76	3474296.47	2.66	1+50 NG
3077	512298.74	3474310.91	0.94	1+50 NG
3100	512459.46	3474131.23	2.33	1+50 NG
3101	512473.63	3474114.96	2.75	1+50 NG
3102	512490.07	3474098.02	2.54	1+50 NG
3103	512503.45	3474082.77	2.69	1+50 NG
3104	512512.93	3474072.62	2.08	1+50 NG
2017	512407.56	3474227.38	-0.95	1+75 NG
2018	512403.59	3474230.51	1.13	1+75 NG
2019	512397.02	3474237.93	1.90	1+75 NG
2020	512392.97	3474241.94	2.56	1+75 NG
2021	512383.77	3474253.51	2.81	1+75 NG
2101	512439.38	3474190.11	-0.71	1+75 NG
2102	512443.93	3474185.97	1.57	1+75 NG
2103	512449.13	3474179.12	2.49	1+75 NG
2104	512432.78	3474197.70	-1.28	1+75 NG
2105	512423.67	3474208.23	-1.26	1+75 NG
2106	512415.34	3474218.53	-1.26	1+75 NG
3078	512315.53	3474330.01	0.79	1+75 NG
3079	512325.58	3474318.36	1.53	1+75 NG
3080	512332.60	3474310.88	2.64	1+75 NG

CHANNEL 1 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
3081	512345.47	3474296.92	2.62	1+75 NG
3082	512360.88	3474278.72	2.81	1+75 NG
3083	512373.62	3474264.87	2.73	1+75 NG
3105	512530.89	3474087.94	1.44	1+75 NG
3106	512524.34	3474094.49	2.51	1+75 NG
3107	512513.43	3474110.89	2.27	1+75 NG
3108	512497.14	3474125.84	2.69	1+75 NG
3109	512482.06	3474142.50	2.96	1+75 NG
3110	512463.13	3474163.46	2.59	1+75 NG
2022	512402.37	3474269.78	2.90	2+00 NG
2023	512411.54	3474260.35	2.42	2+00 NG
2024	512417.10	3474254.03	1.98	2+00 NG
2025	512421.23	3474248.80	0.75	2+00 NG
2026	512426.14	3474244.01	-0.71	2+00 NG
2094	512434.33	3474232.75	-1.07	2+00 NG
2095	512443.68	3474223.53	-1.07	2+00 NG
2096	512453.47	3474213.73	-1.36	2+00 NG
2097	512457.83	3474207.72	-0.58	2+00 NG
2098	512459.76	3474204.66	1.10	2+00 NG
2099	512464.58	3474199.58	1.93	2+00 NG
2100	512469.42	3474194.86	2.59	2+00 NG
3084	512397.63	3474277.03	3.02	2+00 NG
3085	512383.40	3474290.68	2.71	2+00 NG
3086	512367.08	3474307.38	2.61	2+00 NG
3087	512351.63	3474325.78	1.51	2+00 NG
3088	512335.12	3474344.70	0.85	2+00 NG
3111	512480.55	3474182.27	2.48	2+00 NG
3112	512494.98	3474166.55	2.77	2+00 NG
3113	512510.56	3474150.46	2.41	2+00 NG
3114	512527.24	3474132.89	2.08	2+00 NG
3115	512540.33	3474115.83	1.93	2+00 NG
3116	512550.97	3474106.54	0.74	2+00 NG
2027	512444.45	3474262.00	-1.17	2+25 NG
2028	512439.49	3474266.96	1.07	2+25 NG
2029	512432.64	3474273.56	2.21	2+25 NG
2030	512427.72	3474277.69	2.49	2+25 NG
2087	512487.01	3474213.76	2.34	2+25 NG
2088	512480.07	3474220.49	1.69	2+25 NG
2089	512474.42	3474225.67	-0.43	2+25 NG
2090	512472.11	3474228.37	-1.71	2+25 NG
2091	512466.85	3474234.55	-1.60	2+25 NG
2092	512461.72	3474242.26	-1.46	2+25 NG
2093	512452.17	3474252.37	-1.36	2+25 NG
3089	512355.36	3474360.65	0.65	2+25 NG
3090	512366.95	3474345.49	0.55	2+25 NG

CHANNEL 1 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
3091	512380.50	3474331.13	1.91	2+25 NG
3092	512397.69	3474313.72	2.16	2+25 NG
3093	512412.59	3474296.65	2.67	2+25 NG
3117	512571.33	3474125.25	0.85	2+25 NG
3118	512558.05	3474133.40	1.76	2+25 NG
3119	512540.01	3474152.06	2.60	2+25 NG
3120	512526.53	3474167.57	2.65	2+25 NG
3121	512515.69	3474182.11	2.68	2+25 NG
3122	512501.77	3474196.89	2.66	2+25 NG
2031	512462.18	3474277.50	-0.83	2+50 NG
2032	512457.30	3474285.38	1.24	2+50 NG
2033	512447.99	3474293.23	2.33	2+50 NG
2079	512472.29	3474267.11	-1.69	2+50 NG
2080	512478.83	3474257.04	-1.27	2+50 NG
2081	512488.77	3474248.08	-1.11	2+50 NG
2082	512494.36	3474241.42	0.04	2+50 NG
2083	512493.37	3474243.28	-0.91	2+50 NG
2084	512498.60	3474237.30	1.57	2+50 NG
2085	512504.18	3474231.21	2.24	2+50 NG
2086	512509.05	3474226.73	2.80	2+50 NG
3094	512430.28	3474314.68	1.91	2+50 NG
3095	512442.64	3474303.81	2.58	2+50 NG
3096	512416.18	3474328.38	1.48	2+50 NG
3097	512401.01	3474346.44	0.72	2+50 NG
3098	512386.41	3474362.65	0.89	2+50 NG
3099	512373.14	3474377.67	0.60	2+50 NG
3123	512517.44	3474216.48	2.53	2+50 NG
3124	512534.01	3474195.33	2.33	2+50 NG
3125	512551.48	3474175.70	2.00	2+50 NG
3126	512568.34	3474159.01	2.12	2+50 NG
3127	512578.13	3474146.92	0.52	2+50 NG
3128	512587.11	3474139.31	0.44	2+50 NG
2034	512481.51	3474292.78	-0.91	2+75 NG
2035	512477.25	3474297.93	1.13	2+75 NG
2036	512472.80	3474302.80	1.45	2+75 NG
2037	512469.57	3474306.67	1.87	2+75 NG
2073	512512.95	3474257.84	-0.44	2+75 NG
2074	512517.82	3474253.45	1.81	2+75 NG
2075	512523.47	3474248.29	3.44	2+75 NG
2076	512504.91	3474265.62	-1.08	2+75 NG
2077	512497.12	3474274.73	-1.42	2+75 NG
2078	512489.98	3474286.67	-1.42	2+75 NG
2038	512500.96	3474308.87	-1.08	3+00 NG
2039	512498.09	3474312.04	1.24	3+00 NG
2040	512493.33	3474317.71	1.65	3+00 NG

CHANNEL 1 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
2067	512508.44	3474300.46	-1.68	3+00 NG
2068	512517.29	3474292.06	-1.88	3+00 NG
2069	512526.51	3474282.06	-1.54	3+00 NG
2070	512532.16	3474275.58	-0.55	3+00 NG
2071	512534.86	3474272.18	1.34	3+00 NG
2072	512539.85	3474267.03	2.35	3+00 NG
2041	512518.63	3474326.03	-1.13	3+25 NG
2042	512513.89	3474331.88	1.01	3+25 NG
2043	512508.49	3474338.81	1.30	3+25 NG
2062	512550.84	3474290.53	-0.99	3+25 NG
2063	512556.86	3474285.27	1.22	3+25 NG
2064	512544.44	3474299.78	-1.58	3+25 NG
2065	512536.23	3474309.16	-1.61	3+25 NG
2066	512527.41	3474319.14	-1.50	3+25 NG
2044	512537.49	3474342.90	-1.17	3+50 NG
2045	512535.47	3474345.81	0.86	3+50 NG
2046	512532.37	3474350.64	1.02	3+50 NG
2056	512544.29	3474334.09	-2.46	3+50 NG
2057	512554.93	3474324.26	-2.06	3+50 NG
2058	512564.43	3474314.09	-1.81	3+50 NG
2059	512570.02	3474307.61	-0.98	3+50 NG
2060	512574.28	3474302.75	0.89	3+50 NG
2061	512579.00	3474298.23	1.11	3+50 NG
2047	512556.37	3474359.11	-1.14	3+75 NG
2048	512552.15	3474364.89	0.03	3+75 NG
2051	512589.55	3474322.34	-0.76	3+75 NG
2052	512593.41	3474318.18	0.51	3+75 NG
2053	512581.79	3474330.38	-1.57	3+75 NG
2054	512573.16	3474340.45	-1.51	3+75 NG
2055	512565.57	3474348.81	-1.93	3+75 NG
2049	512572.90	3474374.85	0.45	4+00 NG
2050	512590.07	3474355.68	0.51	4+00 NG
2663	512605.14	3474339.16	-0.19	4+00 NG

CHANNEL 2 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
2289	511801.79	3474562.58	-3.16	0+00 NG
2290	511784.47	3474574.88	-3.92	0+00 NG
2291	511775.33	3474585.85	-3.46	0+00 NG
2292	511765.95	3474594.83	-3.29	0+00 NG
2293	511755.53	3474604.75	-3.55	0+00 NG
2284	511777.05	3474622.07	-2.14	0+25 NG
2285	511785.63	3474609.14	-2.61	0+25 NG
2286	511795.56	3474602.96	-1.98	0+25 NG
2287	511806.02	3474593.31	-2.95	0+25 NG
2288	511815.13	3474581.17	-3.19	0+25 NG
2277	511839.99	3474598.87	0.12	0+50 NG
2278	511829.47	3474604.97	-0.78	0+50 NG
2279	511819.83	3474614.10	-2.13	0+50 NG
2280	511811.03	3474620.97	-2.45	0+50 NG
2281	511801.12	3474630.44	-1.19	0+50 NG
2282	511791.79	3474637.28	-0.39	0+50 NG
2283	511787.48	3474643.59	1.38	0+50 NG
2177	511809.10	3474659.05	-5.23	0+75 NG
2178	511813.28	3474656.43	-0.51	0+75 NG
2179	511821.26	3474647.59	-1.03	0+75 NG
2180	511829.17	3474638.38	-1.58	0+75 NG
2181	511839.10	3474630.11	-1.12	0+75 NG
2182	511846.85	3474623.06	-0.78	0+75 NG
2183	511849.87	3474620.65	1.19	0+75 NG
2184	511854.26	3474615.65	1.67	0+75 NG
2158	511864.21	3474676.12	-1.18	1+00 NG
2159	511872.11	3474668.05	-0.80	1+00 NG
2160	511881.75	3474659.74	-0.25	1+00 NG
2161	511853.75	3474685.29	-1.15	1+00 NG
2162	511845.39	3474691.49	-0.82	1+00 NG
2163	511841.84	3474696.03	0.68	1+00 NG
2164	511833.34	3474702.76	1.23	1+00 NG
2165	511884.84	3474655.29	1.06	1+00 NG
2166	511892.41	3474650.03	1.31	1+00 NG
2158	511864.21	3474676.12	-1.18	1+25 NG
2159	511872.11	3474668.05	-0.80	1+25 NG
2160	511881.75	3474659.74	-0.25	1+25 NG
2161	511853.75	3474685.29	-1.15	1+25 NG
2162	511845.39	3474691.49	-0.82	1+25 NG
2163	511841.84	3474696.03	0.68	1+25 NG
2164	511833.34	3474702.76	1.23	1+25 NG
2165	511884.84	3474655.29	1.06	1+25 NG
2166	511892.41	3474650.03	1.31	1+25 NG
2185	511865.67	3474708.33	-0.30	1+50 NG
2186	511861.02	3474711.98	1.24	1+50 NG

CHANNEL 2 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
2187	511857.12	3474717.08	1.93	1+50 NG
2188	511868.77	3474706.33	-0.83	1+50 NG
2189	511874.17	3474700.43	-1.48	1+50 NG
2190	511882.32	3474693.42	-1.56	1+50 NG
2191	511892.12	3474685.33	-1.40	1+50 NG
2192	511897.74	3474679.48	-0.56	1+50 NG
2193	511900.92	3474675.83	0.90	1+50 NG
2194	511904.96	3474672.32	2.03	1+50 NG
2195	511909.30	3474667.43	2.22	1+50 NG
3020	511925.32	3474652.01	2.27	1+50 NG
3039	511997.93	3474582.23	0.91	1+50 NG
3040	511981.90	3474596.96	0.65	1+50 NG
3043	511964.67	3474612.56	1.90	1+50 NG
3044	511947.12	3474629.79	2.37	1+50 NG
3046	511839.72	3474734.04	2.17	1+50 NG
3047	511823.32	3474749.64	1.62	1+50 NG
3048	511805.93	3474766.54	0.98	1+50 NG
3049	511787.99	3474783.96	0.63	1+50 NG
3050	511767.01	3474802.93	0.67	1+50 NG
2196	511925.14	3474688.17	2.22	1+75 NG
2197	511918.48	3474693.39	0.68	1+75 NG
2198	511914.65	3474697.53	-0.70	1+75 NG
2199	511909.94	3474702.04	-1.32	1+75 NG
2200	511899.57	3474711.07	-1.59	1+75 NG
2201	511890.30	3474719.20	-1.54	1+75 NG
2202	511882.46	3474727.34	-1.09	1+75 NG
2203	511879.50	3474731.80	1.73	1+75 NG
2204	511874.13	3474734.82	2.70	1+75 NG
3021	511942.98	3474668.94	2.34	1+75 NG
3038	512015.75	3474598.88	0.75	1+75 NG
3041	512001.51	3474610.77	1.21	1+75 NG
3042	511990.60	3474621.82	2.25	1+75 NG
3045	511965.92	3474645.24	2.43	1+75 NG
3051	511785.11	3474820.37	0.63	1+75 NG
3052	511803.33	3474804.36	1.03	1+75 NG
3053	511819.21	3474787.85	1.82	1+75 NG
3054	511840.29	3474768.79	2.12	1+75 NG
3055	511857.25	3474754.39	2.19	1+75 NG
2205	511890.35	3474755.49	2.34	2+00 NG
2206	511897.26	3474748.17	1.27	2+00 NG
2207	511902.28	3474744.48	-0.78	2+00 NG
2208	511909.35	3474736.44	-1.66	2+00 NG
2209	511916.85	3474727.60	-1.38	2+00 NG
2210	511926.60	3474719.88	-1.56	2+00 NG
2211	511933.63	3474713.73	-0.58	2+00 NG

CHANNEL 2 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
2212	511936.88	3474711.65	0.63	2+00 NG
2213	511941.59	3474706.69	1.87	2+00 NG
3022	511961.02	3474685.33	2.64	2+00 NG
3027	511974.68	3474673.72	2.64	2+00 NG
3035	512010.83	3474639.92	2.34	2+00 NG
3036	512022.00	3474627.55	0.49	2+00 NG
3037	512033.11	3474617.54	0.30	2+00 NG
3056	511874.43	3474770.04	2.35	2+00 NG
3057	511857.17	3474786.62	2.70	2+00 NG
3058	511840.97	3474801.03	2.24	2+00 NG
3059	511819.19	3474820.41	1.48	2+00 NG
3060	511803.70	3474838.82	0.68	2+00 NG
2214	511956.95	3474725.70	1.87	2+25 NG
2215	511951.81	3474730.29	-1.02	2+25 NG
2216	511943.24	3474739.12	-1.46	2+25 NG
2217	511935.48	3474748.19	-1.86	2+25 NG
2218	511925.19	3474756.39	-1.70	2+25 NG
2219	511918.14	3474762.56	-0.51	2+25 NG
2220	511914.64	3474765.61	1.08	2+25 NG
2221	511907.79	3474771.13	2.02	2+25 NG
3023	511977.05	3474705.73	2.52	2+25 NG
3026	511993.36	3474689.52	2.89	2+25 NG
3029	512013.85	3474668.27	2.32	2+25 NG
3032	512049.49	3474634.50	0.01	2+25 NG
3033	512033.95	3474650.05	0.86	2+25 NG
3034	512027.24	3474656.95	1.78	2+25 NG
3061	511820.12	3474857.24	0.51	2+25 NG
3062	511834.22	3474842.17	0.78	2+25 NG
3063	511841.98	3474834.97	1.96	2+25 NG
3064	511860.10	3474818.47	2.31	2+25 NG
3065	511874.66	3474805.88	2.86	2+25 NG
3066	511890.24	3474788.22	2.46	2+25 NG
2222	511927.36	3474788.46	2.38	2+50 NG
2223	511933.27	3474783.20	0.80	2+50 NG
2224	511935.64	3474780.40	-0.57	2+50 NG
2225	511940.94	3474777.34	-1.82	2+50 NG
2226	511945.70	3474771.10	-1.59	2+50 NG
2227	511951.91	3474763.81	-1.80	2+50 NG
2228	511961.57	3474756.13	-1.58	2+50 NG
2229	511969.22	3474747.84	-1.11	2+50 NG
2230	511972.90	3474743.65	1.35	2+50 NG
2231	511976.61	3474738.31	2.19	2+50 NG
3024	511996.04	3474721.79	2.70	2+50 NG
3025	512010.67	3474707.67	3.12	2+50 NG
3028	512027.80	3474690.84	1.03	2+50 NG

CHANNEL 2 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
3030	512049.11	3474669.70	0.06	2+50 NG
3031	512066.49	3474653.48	0.06	2+50 NG
3067	511910.35	3474805.99	2.22	2+50 NG
3068	511898.58	3474818.01	2.14	2+50 NG
3069	511885.48	3474830.59	0.59	2+50 NG
3070	511870.98	3474844.88	0.55	2+50 NG
3071	511850.56	3474861.19	0.54	2+50 NG
3072	511837.54	3474874.75	0.32	2+50 NG
2232	511995.09	3474757.47	1.78	2+75 NG
2233	511989.88	3474763.02	1.08	2+75 NG
2234	511986.32	3474764.78	-0.97	2+75 NG
2235	511978.44	3474773.75	-2.13	2+75 NG
2236	511968.85	3474782.01	-2.32	2+75 NG
2237	511959.91	3474791.72	-1.50	2+75 NG
2238	511951.73	3474799.14	-1.47	2+75 NG
2239	511947.79	3474803.24	1.29	2+75 NG
2240	511942.74	3474807.88	1.06	2+75 NG
2241	511965.85	3474823.20	0.79	3+00 NG
2242	511970.87	3474818.24	-0.77	3+00 NG
2243	511978.67	3474809.39	-1.41	3+00 NG
2244	511986.42	3474801.01	-1.87	3+00 NG
2245	511996.37	3474791.82	-1.96	3+00 NG
2246	512003.58	3474783.98	-1.34	3+00 NG
2247	512008.01	3474781.08	1.33	3+00 NG
2248	512011.36	3474776.63	1.38	3+00 NG
2249	512021.48	3474802.28	-0.99	3+25 NG
2250	512025.94	3474798.26	0.93	3+25 NG
2251	512014.24	3474807.52	-1.39	3+25 NG
2252	512004.36	3474818.18	-1.46	3+25 NG
2253	511995.12	3474827.02	-1.69	3+25 NG
2254	511987.41	3474834.52	-1.06	3+25 NG
2255	511984.50	3474837.90	0.93	3+25 NG
2256	511980.60	3474842.20	1.09	3+25 NG
2257	511996.92	3474860.91	1.36	3+50 NG
2258	512005.01	3474854.30	-0.85	3+50 NG
2259	512012.70	3474846.80	-1.60	3+50 NG
2260	512021.33	3474837.02	-1.48	3+50 NG
2261	512031.28	3474827.62	-1.95	3+50 NG
2262	512038.32	3474819.41	-1.15	3+50 NG
2263	512043.58	3474816.14	0.82	3+50 NG
2264	512057.48	3474836.20	-0.85	3+75 NG
2265	512062.13	3474832.04	0.85	3+75 NG
2266	512049.12	3474844.17	-1.31	3+75 NG
2267	512039.71	3474853.82	-1.12	3+75 NG
2268	512031.05	3474862.85	-1.13	3+75 NG

CHANNEL 2 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
2269	512020.51	3474871.08	-0.78	3+75 NG
2270	512016.04	3474874.35	1.07	3+75 NG
2271	512010.53	3474878.28	1.38	3+75 NG
2272	512037.19	3474889.23	-0.62	4+00 NG
2273	512045.29	3474879.68	-1.11	4+00 NG
2274	512056.08	3474870.96	-0.82	4+00 NG
2275	512067.45	3474861.04	-1.21	4+00 NG
2276	512074.68	3474853.76	-0.72	4+00 NG

CHANNEL 3 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
2420	510624.13	3477330.90	-6.38	0+00 NG
2421	510622.96	3477305.29	-6.23	0+00 NG
2422	510623.99	3477278.51	-5.50	0+00 NG
2423	510627.36	3477252.26	-5.16	0+00 NG
2309	510652.47	3477277.26	-3.36	0+25 NG
2415	510652.55	3477253.99	-2.24	0+25 NG
2416	510651.66	3477265.94	-2.65	0+25 NG
2417	510651.29	3477290.45	-3.15	0+25 NG
2418	510649.94	3477305.42	-2.99	0+25 NG
2419	510648.94	3477320.65	-2.87	0+25 NG
2308	510677.42	3477279.21	-2.30	0+50 NG
2310	510675.28	3477267.56	-2.06	0+50 NG
2343	510674.85	3477303.28	-2.21	0+50 NG
2344	510674.47	3477293.19	-1.91	0+50 NG
2345	510675.55	3477311.89	-1.90	0+50 NG
2346	510676.01	3477316.17	-0.09	0+50 NG
2412	510677.74	3477241.87	1.78	0+50 NG
2413	510677.02	3477247.26	0.10	0+50 NG
2414	510677.40	3477253.55	-0.67	0+50 NG
2307	510702.91	3477279.70	-2.06	0+75 NG
2311	510699.82	3477265.81	-1.58	0+75 NG
2342	510700.09	3477294.92	-1.90	0+75 NG
2347	510701.27	3477302.33	-0.25	0+75 NG
2348	510700.01	3477309.56	1.90	0+75 NG
2349	510700.33	3477316.11	2.49	0+75 NG
2409	510702.05	3477244.75	2.83	0+75 NG
2410	510702.66	3477251.73	1.21	0+75 NG
2411	510702.27	3477256.56	-0.95	0+75 NG
2306	510725.67	3477280.31	-1.79	1+00 NG
2312	510726.30	3477267.41	-2.01	1+00 NG
2341	510725.03	3477296.01	-1.61	1+00 NG
2350	510725.03	3477317.55	2.40	1+00 NG
2351	510725.59	3477310.39	2.48	1+00 NG
2352	510725.47	3477302.59	-1.46	1+00 NG
2405	510727.24	3477240.37	2.79	1+00 NG
2406	510727.39	3477247.57	1.90	1+00 NG
2407	510725.60	3477253.42	0.68	1+00 NG
2408	510725.01	3477256.32	-0.65	1+00 NG
2305	510753.00	3477279.75	-2.00	1+25 NG
2313	510751.56	3477267.94	-1.79	1+25 NG
2340	510749.08	3477295.74	-1.54	1+25 NG
2353	510748.36	3477316.08	2.27	1+25 NG
2354	510749.91	3477308.26	0.84	1+25 NG
2355	510751.35	3477303.40	-0.52	1+25 NG
2402	510751.16	3477254.22	-0.79	1+25 NG

CHANNEL 3 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
2403	510751.21	3477247.47	1.74	1+25 NG
2404	510751.65	3477242.56	2.97	1+25 NG
2304	510775.62	3477280.62	-1.92	1+50 NG
2314	510777.59	3477268.87	-2.16	1+50 NG
2339	510774.25	3477295.55	-1.89	1+50 NG
2356	510774.95	3477311.81	2.28	1+50 NG
2357	510774.78	3477306.05	0.53	1+50 NG
2358	510774.52	3477302.40	-0.84	1+50 NG
2399	510775.68	3477243.67	2.43	1+50 NG
2400	510775.81	3477251.82	1.60	1+50 NG
2401	510774.85	3477255.88	-1.12	1+50 NG
2962	510774.10	3477340.01	2.64	1+50 NG
2963	510773.42	3477368.57	2.96	1+50 NG
2964	510771.63	3477394.46	2.74	1+50 NG
2965	510770.58	3477420.19	2.16	1+50 NG
2966	510772.52	3477440.58	1.39	1+50 NG
2991	510775.96	3477221.33	2.31	1+50 NG
2992	510776.68	3477205.39	1.83	1+50 NG
2993	510777.15	3477177.60	0.88	1+50 NG
2994	510777.92	3477121.31	0.60	1+50 NG
2995	510776.34	3477148.49	0.52	1+50 NG
2303	510801.60	3477281.09	-1.69	1+75 NG
2315	510800.89	3477268.23	-1.84	1+75 NG
2338	510799.73	3477295.71	-1.54	1+75 NG
2359	510799.34	3477315.16	2.38	1+75 NG
2360	510798.89	3477306.84	0.68	1+75 NG
2361	510799.35	3477301.56	-0.44	1+75 NG
2396	510800.22	3477248.17	1.84	1+75 NG
2397	510799.63	3477253.45	0.40	1+75 NG
2398	510800.71	3477258.02	-0.55	1+75 NG
2967	510796.51	3477440.02	0.57	1+75 NG
2983	510797.44	3477415.11	0.95	1+75 NG
2984	510797.48	3477406.03	2.37	1+75 NG
2985	510799.78	3477391.14	2.57	1+75 NG
2989	510799.00	3477342.03	3.88	1+75 NG
2990	510799.33	3477361.37	2.80	1+75 NG
2996	510806.06	3477122.89	0.31	1+75 NG
3005	510803.47	3477152.02	0.53	1+75 NG
3006	510803.02	3477176.48	0.68	1+75 NG
3007	510802.89	3477186.17	2.23	1+75 NG
3008	510804.13	3477205.04	2.77	1+75 NG
3009	510802.76	3477222.54	2.97	1+75 NG
2302	510824.75	3477283.05	-2.24	2+00 NG
2316	510827.89	3477269.16	-2.37	2+00 NG
2337	510822.14	3477296.60	-2.42	2+00 NG

CHANNEL 3 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
2362	510824.37	3477303.56	-0.37	2+00 NG
2363	510823.98	3477307.43	0.90	2+00 NG
2364	510823.59	3477315.90	2.33	2+00 NG
2393	510826.03	3477248.99	1.65	2+00 NG
2394	510825.28	3477253.23	0.50	2+00 NG
2395	510826.02	3477257.93	-0.59	2+00 NG
2968	510820.13	3477441.06	0.25	2+00 NG
2981	510822.08	3477422.63	0.68	2+00 NG
2982	510823.39	3477410.21	2.74	2+00 NG
2986	510822.48	3477384.58	3.37	2+00 NG
2987	510824.24	3477365.36	3.20	2+00 NG
2988	510823.48	3477343.80	4.22	2+00 NG
2997	510830.09	3477123.85	0.34	2+00 NG
3002	510826.87	3477170.56	0.78	2+00 NG
3003	510826.80	3477177.82	2.47	2+00 NG
3004	510829.64	3477148.16	0.69	2+00 NG
3010	510827.78	3477222.36	2.82	2+00 NG
3017	510827.27	3477199.02	2.57	2+00 NG
2301	510850.13	3477282.89	-2.07	2+25 NG
2317	510850.28	3477269.52	-2.22	2+25 NG
2336	510849.05	3477295.15	-1.90	2+25 NG
2365	510850.75	3477305.91	0.28	2+25 NG
2366	510850.02	3477313.17	1.94	2+25 NG
2390	510853.10	3477245.12	1.98	2+25 NG
2391	510851.45	3477250.96	0.71	2+25 NG
2392	510851.45	3477256.42	-0.66	2+25 NG
2969	510848.09	3477442.99	0.71	2+25 NG
2976	510849.31	3477342.66	3.66	2+25 NG
2977	510851.05	3477355.87	3.41	2+25 NG
2978	510848.03	3477379.52	3.50	2+25 NG
2979	510849.42	3477395.30	0.94	2+25 NG
2980	510846.38	3477420.73	0.41	2+25 NG
2998	510853.87	3477126.92	0.07	2+25 NG
2999	510853.92	3477150.50	0.56	2+25 NG
3000	510852.58	3477166.89	0.84	2+25 NG
3001	510851.81	3477174.40	2.96	2+25 NG
3016	510851.98	3477224.85	3.12	2+25 NG
3018	510851.89	3477197.36	3.03	2+25 NG
2300	510875.61	3477280.75	-1.95	2+50 NG
2318	510875.69	3477270.05	-2.53	2+50 NG
2335	510872.93	3477296.08	-2.32	2+50 NG
2367	510873.17	3477311.46	1.51	2+50 NG
2368	510873.90	3477306.07	-0.42	2+50 NG
2387	510877.82	3477250.80	1.39	2+50 NG
2388	510876.83	3477256.96	0.98	2+50 NG

CHANNEL 3 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
2389	510877.11	3477260.01	-0.52	2+50 NG
2970	510871.67	3477442.82	0.23	2+50 NG
2971	510872.39	3477419.03	0.74	2+50 NG
2972	510872.89	3477396.76	0.76	2+50 NG
2973	510872.72	3477372.38	0.69	2+50 NG
2974	510874.30	3477354.91	0.93	2+50 NG
2975	510874.60	3477343.37	2.51	2+50 NG
3011	510878.35	3477157.28	0.40	2+50 NG
3012	510877.03	3477175.36	0.70	2+50 NG
3013	510875.46	3477183.42	2.41	2+50 NG
3014	510876.73	3477197.81	2.89	2+50 NG
3015	510877.19	3477221.57	3.21	2+50 NG
2299	510900.86	3477282.99	-0.99	2+75 NG
2319	510900.68	3477271.48	-1.21	2+75 NG
2334	510899.39	3477298.02	-1.42	2+75 NG
2369	510899.91	3477304.08	-0.84	2+75 NG
2370	510900.62	3477309.68	1.06	2+75 NG
2385	510902.58	3477265.09	-0.69	2+75 NG
2386	510902.66	3477261.32	0.60	2+75 NG
2298	510925.50	3477284.17	-1.00	3+00 NG
2320	510926.36	3477272.66	-1.58	3+00 NG
2333	510924.77	3477297.82	-1.15	3+00 NG
2371	510924.19	3477309.63	-1.49	3+00 NG
2372	510924.25	3477312.45	0.85	3+00 NG
2383	510926.39	3477261.83	-0.16	3+00 NG
2384	510926.07	3477258.16	0.63	3+00 NG
2297	510951.59	3477286.15	-1.58	3+25 NG
2321	510950.25	3477272.91	-1.45	3+25 NG
2332	510951.41	3477297.78	-1.04	3+25 NG
2373	510950.65	3477309.86	-0.81	3+25 NG
2374	510950.08	3477317.05	0.34	3+25 NG
2381	510951.58	3477261.08	1.24	3+25 NG
2382	510951.12	3477263.75	-1.33	3+25 NG
2296	510977.03	3477285.54	-1.61	3+50 NG
2322	510976.49	3477271.78	-1.81	3+50 NG
2331	510975.60	3477298.63	-1.24	3+50 NG
2375	510975.65	3477312.78	-0.90	3+50 NG
2376	510975.68	3477318.02	-0.12	3+50 NG
2377	510977.35	3477261.35	0.91	3+50 NG
2378	510976.50	3477263.79	-0.67	3+50 NG
2295	510999.60	3477286.88	-1.35	3+75 NG
2323	511000.76	3477270.94	-1.95	3+75 NG
2328	510999.77	3477309.97	-1.41	3+75 NG
2329	510999.11	3477312.03	0.48	3+75 NG
2330	510998.20	3477300.72	-1.24	3+75 NG

CHANNEL 3 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
2379	511001.70	3477259.32	0.37	3+75 NG
2380	511001.51	3477262.20	-1.28	3+75 NG
2294	511022.75	3477286.28	-0.84	4+00 NG
2324	511022.04	3477271.55	-1.49	4+00 NG
2325	511021.44	3477261.69	-1.36	4+00 NG
2326	511021.77	3477259.83	-0.10	4+00 NG
2664	511023.78	3477310.77	-1.11	4+00 NG
2665	511023.86	3477312.77	0.24	4+00 NG

CHANNEL 4 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
5021	510151.58	3479092.53	-6.45	0+00 NG
5022	510132.39	3479110.01	-6.90	0+00 NG
5023	510135.76	3479116.84	-6.24	0+00 NG
5024	510124.94	3479128.56	-7.90	0+00 NG
5025	510116.11	3479138.91	-7.83	0+00 NG
5026	510108.06	3479151.19	-8.18	0+00 NG
5027	510101.31	3479157.92	-8.53	0+00 NG
5028	510095.96	3479174.73	-7.69	0+00 NG
5029	510095.38	3479190.36	-7.64	0+00 NG
5012	510125.01	3479190.75	-1.54	0+25 NG
5013	510131.15	3479183.01	-1.69	0+25 NG
5014	510134.61	3479175.73	-1.97	0+25 NG
5015	510140.38	3479164.23	-1.65	0+25 NG
5016	510146.36	3479153.36	-2.02	0+25 NG
5017	510153.78	3479142.34	-2.15	0+25 NG
5018	510157.55	3479131.46	-2.96	0+25 NG
5019	510164.39	3479122.34	-3.86	0+25 NG
5020	510171.21	3479111.71	-4.37	0+25 NG
5001	510190.67	3479123.55	0.25	0+50 NG
5002	510184.48	3479131.89	0.21	0+50 NG
5003	510180.80	3479139.48	0.52	0+50 NG
5004	510179.04	3479144.36	-1.56	0+50 NG
5005	510174.48	3479155.21	-1.40	0+50 NG
5006	510168.30	3479167.14	-1.55	0+50 NG
5007	510161.70	3479177.45	-1.53	0+50 NG
5008	510154.39	3479186.55	-1.73	0+50 NG
5009	510151.91	3479192.48	1.10	0+50 NG
5010	510148.49	3479199.27	1.22	0+50 NG
5011	510144.58	3479205.52	1.35	0+50 NG
5030	510212.27	3479139.05	4.07	0+75 NG
5031	510207.67	3479144.62	2.64	0+75 NG
5032	510203.64	3479150.41	1.39	0+75 NG
5033	510201.35	3479157.44	-1.35	0+75 NG
5034	510195.39	3479167.94	-1.51	0+75 NG
5035	510189.57	3479178.20	-1.67	0+75 NG
5036	510182.66	3479190.00	-1.32	0+75 NG
5037	510178.90	3479197.04	-0.25	0+75 NG
5038	510176.89	3479199.64	0.62	0+75 NG
5039	510176.12	3479203.49	1.92	0+75 NG
5040	510172.67	3479209.05	3.20	0+75 NG
5041	510169.32	3479214.40	3.94	0+75 NG
5042	510190.63	3479226.23	5.06	1+00 NG
5043	510194.45	3479220.57	3.67	1+00 NG
5044	510198.23	3479213.17	2.03	1+00 NG
5045	510199.17	3479211.98	1.58	1+00 NG

CHANNEL 4 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
5046	510204.21	3479201.94	-1.17	1+00 NG
5047	510207.85	3479194.16	-1.33	1+00 NG
5048	510210.65	3479189.41	-1.40	1+00 NG
5049	510216.53	3479178.48	-1.68	1+00 NG
5050	510220.63	3479171.10	-0.63	1+00 NG
5051	510223.31	3479167.74	0.08	1+00 NG
5052	510227.25	3479161.91	2.25	1+00 NG
5053	510230.02	3479156.97	3.32	1+00 NG
5054	510231.68	3479153.36	4.20	1+00 NG
5055	510251.54	3479168.16	4.30	1+25 NG
5056	510248.54	3479174.29	2.58	1+25 NG
5057	510244.94	3479179.72	1.29	1+25 NG
5058	510243.38	3479183.26	0.27	1+25 NG
5059	510239.64	3479189.99	-1.30	1+25 NG
5060	510232.99	3479203.07	-1.42	1+25 NG
5061	510228.44	3479213.30	-1.62	1+25 NG
5062	510224.98	3479219.26	-0.58	1+25 NG
5063	510221.26	3479223.28	1.67	1+25 NG
5064	510218.10	3479229.18	3.05	1+25 NG
5065	510216.11	3479233.71	3.82	1+25 NG
5066	510212.99	3479238.33	4.09	1+25 NG
5067	510236.64	3479249.98	3.93	1+50 NG
5068	510238.73	3479242.99	3.42	1+50 NG
5069	510242.77	3479235.75	1.75	1+50 NG
5070	510244.99	3479231.56	-0.21	1+50 NG
5071	510249.97	3479222.60	-1.35	1+50 NG
5072	510255.82	3479214.19	-1.86	1+50 NG
5073	510261.13	3479204.93	-1.95	1+50 NG
5074	510266.06	3479195.73	0.04	1+50 NG
5075	510266.92	3479191.65	0.84	1+50 NG
5076	510269.49	3479187.10	2.58	1+50 NG
5077	510272.73	3479181.38	3.21	1+50 NG
5078	510293.75	3479195.99	2.67	1+75 NG
5079	510289.93	3479201.88	2.30	1+75 NG
5080	510288.31	3479204.03	1.20	1+75 NG
5081	510282.09	3479215.60	-1.61	1+75 NG
5082	510276.94	3479226.91	-1.65	1+75 NG
5083	510270.42	3479237.54	-1.32	1+75 NG
5084	510265.29	3479247.13	2.36	1+75 NG
5085	510263.27	3479251.31	4.09	1+75 NG
5086	510259.12	3479257.24	4.11	1+75 NG
5087	510256.89	3479262.54	4.14	1+75 NG
2852	510257.17	3479283.39	3.18	2+00 NG
2853	510255.69	3479309.18	2.18	2+00 NG
2854	510256.45	3479333.33	1.86	2+00 NG

CHANNEL 4 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
2855	510255.24	3479359.60	1.21	2+00 NG
2856	510255.24	3479395.40	0.83	2+00 NG
2876	510326.23	3479183.87	2.39	2+00 NG
2877	510352.54	3479165.97	2.17	2+00 NG
2878	510380.05	3479145.74	1.67	2+00 NG
2879	510401.81	3479133.72	0.66	2+00 NG
2880	510419.30	3479123.07	0.29	2+00 NG
5088	510281.54	3479270.27	3.57	2+00 NG
5089	510285.41	3479262.32	2.93	2+00 NG
5090	510287.20	3479259.77	2.39	2+00 NG
5091	510288.71	3479256.83	1.01	2+00 NG
5100	510293.49	3479250.45	-1.50	2+00 NG
5101	510299.25	3479238.99	-1.81	2+00 NG
5102	510305.85	3479226.56	-1.77	2+00 NG
5103	510308.37	3479220.24	0.37	2+00 NG
5104	510309.91	3479217.40	1.46	2+00 NG
5105	510310.92	3479215.30	1.70	2+00 NG
5106	510313.74	3479211.36	1.54	2+00 NG
5107	510317.25	3479206.04	2.27	2+00 NG
2857	510280.64	3479413.43	0.89	2+25 NG
2871	510282.22	3479372.48	1.15	2+25 NG
2872	510280.11	3479340.49	2.02	2+25 NG
2875	510281.50	3479297.42	2.98	2+25 NG
2881	510434.46	3479141.82	-0.43	2+25 NG
2882	510422.79	3479150.83	1.66	2+25 NG
2895	510352.92	3479199.13	2.36	2+25 NG
2896	510378.19	3479178.84	2.21	2+25 NG
2897	510402.08	3479165.42	1.64	2+25 NG
5092	510305.65	3479276.64	2.59	2+25 NG
5093	510301.48	3479284.72	3.08	2+25 NG
5094	510308.48	3479272.15	2.23	2+25 NG
5108	510333.01	3479229.32	-0.10	2+25 NG
5109	510334.89	3479224.53	1.96	2+25 NG
5110	510338.75	3479217.05	2.15	2+25 NG
5124	510326.27	3479239.78	-2.15	2+25 NG
5125	510319.83	3479250.95	-1.50	2+25 NG
5126	510313.64	3479262.66	-1.76	2+25 NG
5127	510310.60	3479266.97	0.15	2+25 NG
2858	510303.92	3479422.82	-0.32	2+50 NG
2870	510307.69	3479380.33	1.32	2+50 NG
2873	510305.46	3479337.63	1.72	2+50 NG
2874	510304.60	3479310.50	2.55	2+50 NG
2883	510439.90	3479166.44	0.93	2+50 NG
2884	510451.72	3479158.03	-0.61	2+50 NG
2885	510469.42	3479148.71	-0.53	2+50 NG

CHANNEL 4 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
2894	510376.14	3479214.59	1.79	2+50 NG
2898	510417.10	3479180.98	1.87	2+50 NG
2901	510395.22	3479200.59	1.89	2+50 NG
5095	510322.48	3479297.92	2.67	2+50 NG
5096	510326.58	3479291.71	3.03	2+50 NG
5097	510330.28	3479284.29	0.03	2+50 NG
5111	510359.29	3479231.29	2.42	2+50 NG
5112	510356.91	3479236.02	1.78	2+50 NG
5113	510354.01	3479241.48	-1.75	2+50 NG
5114	510350.05	3479250.18	-1.65	2+50 NG
5115	510341.64	3479261.53	-2.21	2+50 NG
5116	510333.79	3479276.26	-1.73	2+50 NG
2859	510329.26	3479436.51	0.41	2+75 NG
2866	510329.93	3479324.53	2.00	2+75 NG
2867	510331.98	3479344.22	1.82	2+75 NG
2868	510329.14	3479379.46	1.72	2+75 NG
2869	510328.40	3479404.85	0.88	2+75 NG
2886	510456.38	3479188.65	0.56	2+75 NG
2887	510469.08	3479178.70	-0.99	2+75 NG
2893	510395.71	3479229.53	2.55	2+75 NG
2899	510442.52	3479197.03	1.58	2+75 NG
2900	510420.50	3479213.56	2.02	2+75 NG
5098	510347.37	3479305.88	2.90	2+75 NG
5099	510350.68	3479300.41	1.67	2+75 NG
5117	510351.70	3479295.74	-1.61	2+75 NG
5118	510359.36	3479284.44	-1.81	2+75 NG
5119	510364.30	3479274.22	-2.06	2+75 NG
5120	510371.90	3479262.37	-1.82	2+75 NG
5121	510377.83	3479252.28	-1.65	2+75 NG
5122	510380.21	3479246.67	1.52	2+75 NG
5123	510383.62	3479239.72	2.21	2+75 NG
2860	510354.48	3479451.41	-0.03	3+00 NG
2861	510354.80	3479419.47	0.38	3+00 NG
2862	510357.31	3479386.52	-0.31	3+00 NG
2863	510354.36	3479368.77	0.09	3+00 NG
2864	510356.20	3479337.37	1.66	3+00 NG
2865	510357.63	3479327.74	2.49	3+00 NG
2888	510476.42	3479204.76	-0.42	3+00 NG
2889	510461.81	3479212.50	0.12	3+00 NG
2890	510441.12	3479230.56	0.47	3+00 NG
2891	510424.18	3479240.25	1.77	3+00 NG
2892	510414.19	3479248.40	1.99	3+00 NG
5128	510368.23	3479317.52	2.34	3+00 NG
5129	510370.51	3479313.56	1.69	3+00 NG
5130	510373.92	3479308.52	-1.74	3+00 NG

CHANNEL 4 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
5131	510379.34	3479298.40	-1.90	3+00 NG
5132	510383.45	3479290.68	-1.72	3+00 NG
5133	510386.43	3479285.54	-1.53	3+00 NG
5134	510392.26	3479273.25	-1.62	3+00 NG
5135	510398.47	3479263.39	-1.56	3+00 NG
5136	510401.98	3479259.44	2.96	3+00 NG
5137	510403.75	3479253.81	3.09	3+00 NG
5138	510427.57	3479261.28	2.71	3+25 NG
5139	510425.24	3479268.21	1.32	3+25 NG
5140	510423.80	3479270.59	-0.35	3+25 NG
5141	510420.31	3479276.70	-1.84	3+25 NG
5142	510413.61	3479289.05	-1.79	3+25 NG
5143	510407.59	3479299.11	-1.86	3+25 NG
5144	510402.27	3479312.37	-1.64	3+25 NG
5145	510395.42	3479320.89	-0.81	3+25 NG
5146	510390.55	3479329.64	-0.11	3+25 NG
5147	510414.94	3479337.77	-0.83	3+50 NG
5148	510418.20	3479333.00	-1.54	3+50 NG
5149	510425.88	3479319.18	-1.15	3+50 NG
5150	510431.04	3479311.00	-1.86	3+50 NG
5151	510436.56	3479299.49	-1.86	3+50 NG
5152	510441.64	3479288.58	-1.54	3+50 NG
5153	510444.53	3479280.70	-0.48	3+50 NG
5154	510446.08	3479276.52	-0.04	3+50 NG
5155	510466.13	3479300.10	-1.57	3+75 NG
5156	510469.75	3479294.05	-0.71	3+75 NG
5157	510457.93	3479315.25	-1.51	3+75 NG
5158	510450.94	3479323.00	-1.52	3+75 NG
5159	510443.88	3479333.89	-1.92	3+75 NG
5160	510438.82	3479344.76	-1.56	3+75 NG
5161	510434.94	3479352.22	0.53	3+75 NG
5162	510432.50	3479357.26	0.31	3+75 NG
2553	510476.90	3479320.51	-0.75	4+00 NG
2655	510485.08	3479312.43	-1.24	4+00 NG
2656	510489.55	3479304.69	-0.72	4+00 NG
2657	510475.34	3479336.73	-1.12	4+00 NG
2658	510462.08	3479353.32	-1.42	4+00 NG

CHANNEL 5 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
2642	510245.26	3479784.80	-4.80	0+00 NG
2643	510255.41	3479800.13	-5.48	0+00 NG
2644	510267.54	3479805.52	-3.94	0+00 NG
2645	510283.22	3479824.01	-3.49	0+00 NG
2646	510293.95	3479833.41	-2.01	0+00 NG
2635	510310.51	3479811.40	-1.74	0+25 NG
2636	510304.10	3479806.32	-1.96	0+25 NG
2637	510292.86	3479797.31	-1.91	0+25 NG
2638	510284.84	3479788.47	-1.71	0+25 NG
2639	510273.41	3479778.02	-1.42	0+25 NG
2640	510265.64	3479770.47	-1.89	0+25 NG
2641	510256.49	3479762.04	-1.55	0+25 NG
2624	510266.10	3479736.25	0.50	0+50 NG
2625	510276.20	3479744.91	0.43	0+50 NG
2626	510283.23	3479751.99	-1.07	0+50 NG
2627	510293.50	3479763.18	-1.39	0+50 NG
2628	510301.15	3479771.47	-1.68	0+50 NG
2629	510311.32	3479780.05	-1.30	0+50 NG
2630	510318.25	3479788.88	-0.59	0+50 NG
2631	510321.56	3479792.96	1.42	0+50 NG
2632	510326.82	3479796.10	2.60	0+50 NG
2633	510333.17	3479798.97	3.34	0+50 NG
2634	510338.67	3479803.97	4.01	0+50 NG
2613	510351.31	3479784.19	4.57	0+75 NG
2614	510344.64	3479775.63	3.43	0+75 NG
2615	510338.19	3479769.94	0.68	0+75 NG
2616	510333.85	3479766.16	-0.51	0+75 NG
2617	510326.92	3479759.63	-1.10	0+75 NG
2618	510320.02	3479753.09	-0.88	0+75 NG
2619	510309.89	3479742.64	-0.86	0+75 NG
2620	510300.20	3479734.38	-0.81	0+75 NG
2621	510295.68	3479730.79	0.78	0+75 NG
2622	510291.23	3479727.35	2.54	0+75 NG
2623	510284.50	3479719.97	4.39	0+75 NG
2601	510298.89	3479698.62	4.48	1+00 NG
2602	510305.66	3479706.08	3.80	1+00 NG
2603	510311.15	3479711.59	1.95	1+00 NG
2604	510316.38	3479715.63	-0.66	1+00 NG
2605	510325.82	3479723.84	-0.57	1+00 NG
2606	510334.78	3479732.94	-0.85	1+00 NG
2607	510344.67	3479742.91	-1.16	1+00 NG
2608	510351.93	3479749.44	-0.55	1+00 NG
2609	510354.74	3479753.40	0.68	1+00 NG
2610	510360.89	3479758.20	2.87	1+00 NG
2611	510364.75	3479762.38	3.59	1+00 NG

CHANNEL 5 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
2612	510368.89	3479767.43	4.20	1+00 NG
2591	510382.20	3479744.00	3.53	1+25 NG
2592	510375.27	3479736.69	1.82	1+25 NG
2593	510369.50	3479731.31	-0.68	1+25 NG
2594	510361.04	3479722.31	-0.64	1+25 NG
2595	510353.02	3479715.05	-0.92	1+25 NG
2596	510343.70	3479707.01	-0.90	1+25 NG
2597	510336.18	3479698.58	-0.66	1+25 NG
2598	510332.26	3479696.17	1.15	1+25 NG
2599	510327.45	3479690.82	3.12	1+25 NG
2600	510322.16	3479685.82	3.79	1+25 NG
2582	510341.36	3479669.87	3.48	1+50 NG
2583	510347.46	3479676.98	2.44	1+50 NG
2584	510352.22	3479683.51	-0.71	1+50 NG
2585	510360.10	3479689.07	-0.87	1+50 NG
2586	510368.62	3479697.41	-1.46	1+50 NG
2587	510377.60	3479706.25	-1.08	1+50 NG
2588	510386.28	3479713.42	-0.84	1+50 NG
2589	510391.19	3479717.22	1.67	1+50 NG
2590	510396.08	3479722.03	2.98	1+50 NG
2806	510413.91	3479739.86	3.26	1+50 NG
2807	510439.47	3479760.45	1.53	1+50 NG
2808	510461.43	3479781.95	0.41	1+50 NG
2809	510484.34	3479809.88	0.73	1+50 NG
2828	510330.77	3479649.95	3.54	1+50 NG
2839	510282.52	3479557.31	1.55	1+50 NG
2840	510304.45	3479593.66	1.13	1+50 NG
2841	510320.19	3479631.94	1.21	1+50 NG
2573	510416.22	3479706.32	3.25	1+75 NG
2574	510409.35	3479700.12	1.38	1+75 NG
2575	510405.12	3479695.01	-1.36	1+75 NG
2576	510398.05	3479687.96	-1.14	1+75 NG
2577	510387.01	3479680.18	-0.87	1+75 NG
2578	510378.09	3479672.82	-0.80	1+75 NG
2579	510370.92	3479664.00	-0.30	1+75 NG
2580	510366.93	3479661.15	1.10	1+75 NG
2581	510359.70	3479654.02	3.37	1+75 NG
2810	510500.57	3479788.20	0.03	1+75 NG
2811	510481.70	3479767.55	0.79	1+75 NG
2826	510433.29	3479719.31	3.23	1+75 NG
2827	510454.25	3479742.04	1.94	1+75 NG
2829	510328.11	3479597.41	1.14	1+75 NG
2830	510332.41	3479600.77	3.57	1+75 NG
2831	510320.59	3479571.71	1.12	1+75 NG
2832	510301.48	3479539.97	1.31	1+75 NG

CHANNEL 5 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
2842	510344.46	3479621.56	3.54	1+75 NG
2843	510348.44	3479631.12	3.59	1+75 NG
2563	510375.73	3479633.28	2.87	2+00 NG
2564	510382.44	3479640.27	0.90	2+00 NG
2565	510387.47	3479644.02	-0.13	2+00 NG
2566	510391.64	3479646.65	-1.52	2+00 NG
2567	510396.16	3479653.68	-0.91	2+00 NG
2568	510403.49	3479660.99	-1.45	2+00 NG
2569	510413.31	3479668.97	-1.16	2+00 NG
2570	510422.87	3479678.57	-1.18	2+00 NG
2571	510427.70	3479682.99	0.98	2+00 NG
2572	510433.02	3479688.47	2.99	2+00 NG
2812	510497.28	3479749.95	0.67	2+00 NG
2813	510518.76	3479766.58	0.47	2+00 NG
2824	510470.15	3479725.70	1.65	2+00 NG
2825	510448.85	3479700.58	3.07	2+00 NG
2833	510319.57	3479515.44	-0.30	2+00 NG
2838	510329.88	3479542.82	0.54	2+00 NG
2844	510365.92	3479612.90	3.30	2+00 NG
2845	510352.95	3479586.14	2.49	2+00 NG
2554	510420.14	3479643.80	-1.89	2+25 NG
2555	510429.09	3479652.51	-1.62	2+25 NG
2556	510440.58	3479661.34	-1.28	2+25 NG
2557	510445.83	3479666.17	1.06	2+25 NG
2558	510450.20	3479670.66	2.43	2+25 NG
2559	510412.69	3479634.15	-1.65	2+25 NG
2560	510403.09	3479624.08	-0.72	2+25 NG
2561	510398.83	3479620.33	1.50	2+25 NG
2562	510393.63	3479615.77	3.01	2+25 NG
2814	510537.87	3479752.45	-0.86	2+25 NG
2820	510456.59	3479676.74	2.93	2+25 NG
2821	510467.15	3479685.15	2.54	2+25 NG
2822	510484.93	3479702.11	1.60	2+25 NG
2823	510523.38	3479738.67	0.00	2+25 NG
2834	510338.33	3479499.03	0.31	2+25 NG
2837	510345.49	3479513.22	-0.41	2+25 NG
2846	510374.20	3479574.42	2.69	2+25 NG
2847	510385.73	3479592.49	3.02	2+25 NG
2851	510361.70	3479550.90	1.08	2+25 NG
2707	510420.41	3479605.89	-0.92	2+50 NG
2708	510417.06	3479602.88	1.00	2+50 NG
2709	510426.43	3479613.28	-2.00	2+50 NG
2746	510457.19	3479641.76	-1.82	2+50 NG
2747	510466.68	3479649.00	1.14	2+50 NG
2748	510450.73	3479635.99	-2.07	2+50 NG

CHANNEL 5 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
2749	510440.09	3479623.41	-2.33	2+50 NG
2815	510556.03	3479735.30	-0.93	2+50 NG
2816	510537.80	3479717.11	-0.04	2+50 NG
2817	510506.43	3479686.65	0.68	2+50 NG
2818	510487.05	3479664.68	2.08	2+50 NG
2819	510474.86	3479657.71	1.90	2+50 NG
2835	510371.26	3479504.76	-0.86	2+50 NG
2836	510361.33	3479484.90	-0.60	2+50 NG
2848	510402.77	3479574.26	0.83	2+50 NG
2849	510391.02	3479552.32	0.39	2+50 NG
2850	510382.18	3479534.95	-0.11	2+50 NG
2710	510441.05	3479594.19	-1.55	2+75 NG
2711	510435.05	3479587.21	-2.01	2+75 NG
2712	510428.37	3479583.02	1.15	2+75 NG
2744	510474.92	3479624.30	-1.64	2+75 NG
2745	510481.52	3479629.96	0.76	2+75 NG
2750	510456.20	3479605.99	-2.57	2+75 NG
2751	510462.08	3479613.05	-1.82	2+75 NG
2713	510451.95	3479567.59	-1.22	3+00 NG
2714	510449.54	3479565.99	0.00	3+00 NG
2715	510460.29	3479575.42	-1.01	3+00 NG
2741	510492.84	3479608.08	-0.70	3+00 NG
2742	510490.20	3479606.10	-1.29	3+00 NG
2743	510484.18	3479599.62	-1.27	3+00 NG
2752	510473.61	3479587.70	-1.92	3+00 NG
2716	510476.97	3479558.23	-2.11	3+25 NG
2717	510470.52	3479551.49	-1.70	3+25 NG
2718	510467.28	3479547.77	0.40	3+25 NG
2738	510506.79	3479588.34	-1.23	3+25 NG
2739	510510.41	3479590.03	-1.03	3+25 NG
2740	510500.36	3479581.89	-1.89	3+25 NG
2753	510490.32	3479570.37	-2.18	3+25 NG
2719	510490.03	3479534.46	-1.18	3+50 NG
2720	510488.50	3479533.11	0.11	3+50 NG
2721	510494.95	3479541.96	-1.83	3+50 NG
2735	510524.07	3479569.44	-1.15	3+50 NG
2736	510527.50	3479570.63	-1.26	3+50 NG
2737	510517.09	3479562.59	-1.71	3+50 NG
2754	510507.53	3479551.34	-2.23	3+50 NG
2722	510514.31	3479522.77	-1.42	3+75 NG
2723	510506.99	3479516.55	-2.03	3+75 NG
2724	510504.39	3479512.01	-0.03	3+75 NG
2732	510547.15	3479554.73	0.21	3+75 NG
2733	510544.17	3479553.62	-1.23	3+75 NG
2734	510536.15	3479546.25	-1.43	3+75 NG

CHANNEL 5 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
2755	510524.78	3479533.93	-1.78	3+75 NG
2725	510520.58	3479498.39	-0.09	4+00 NG
2726	510523.83	3479500.68	-1.69	4+00 NG
2727	510534.49	3479508.90	-1.52	4+00 NG
2728	510541.46	3479515.67	-0.98	4+00 NG
2729	510551.57	3479523.37	-1.20	4+00 NG
2730	510559.42	3479531.33	-1.44	4+00 NG
2731	510563.30	3479534.28	0.11	4+00 NG

CHANNEL 6 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
5392	510699.73	3482333.12	-8.82	0+00 NG
5393	510706.18	3482317.81	-8.90	0+00 NG
5394	510712.71	3482305.21	-8.69	0+00 NG
5395	510722.65	3482282.95	-8.73	0+00 NG
5396	510731.03	3482261.91	-8.52	0+00 NG
5397	510737.63	3482249.15	-8.47	0+00 NG
5315	510753.04	3482284.69	-3.57	0+25 NG
5316	510747.41	3482296.34	-4.60	0+25 NG
5317	510741.00	3482309.79	-4.39	0+25 NG
5355	510730.36	3482331.37	-4.39	0+25 NG
5356	510733.78	3482322.74	-4.12	0+25 NG
5357	510736.01	3482317.66	-4.61	0+25 NG
5358	510743.92	3482302.56	-4.01	0+25 NG
5359	510759.21	3482272.67	-3.87	0+25 NG
5360	510762.89	3482265.60	-2.77	0+25 NG
5297	510769.26	3482307.44	-2.44	0+50 NG
5314	510776.03	3482294.85	-2.30	0+50 NG
5318	510765.07	3482319.33	-2.51	0+50 NG
5352	510757.68	3482329.81	-2.68	0+50 NG
5353	510754.83	3482336.71	-1.00	0+50 NG
5354	510752.42	3482341.65	-1.05	0+50 NG
5361	510780.48	3482285.72	-2.23	0+50 NG
5389	510784.73	3482276.89	-0.14	0+50 NG
5390	510782.94	3482280.81	-0.40	0+50 NG
5298	510792.57	3482319.20	-1.61	0+75 NG
5313	510798.26	3482306.50	-1.60	0+75 NG
5319	510786.27	3482330.54	-1.80	0+75 NG
5348	510775.29	3482352.01	1.34	0+75 NG
5349	510777.35	3482347.05	1.35	0+75 NG
5350	510779.16	3482343.02	0.00	0+75 NG
5351	510780.83	3482340.60	-1.92	0+75 NG
5362	510803.12	3482297.36	-1.51	0+75 NG
5387	510807.16	3482289.96	1.56	0+75 NG
5388	510805.47	3482292.58	0.90	0+75 NG
5299	510815.38	3482330.19	-1.84	1+00 NG
5312	510820.88	3482317.79	-1.67	1+00 NG
5320	510808.23	3482342.45	-1.97	1+00 NG
5345	510802.94	3482352.59	-0.05	1+00 NG
5346	510800.45	3482357.38	1.37	1+00 NG
5347	510798.28	3482361.41	1.68	1+00 NG
5363	510825.23	3482308.20	-1.69	1+00 NG
5385	510827.99	3482302.80	2.05	1+00 NG
5386	510827.02	3482304.75	1.12	1+00 NG
5300	510836.36	3482341.81	-1.96	1+25 NG
5311	510842.66	3482328.51	-1.98	1+25 NG

CHANNEL 6 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
5321	510831.69	3482352.70	-1.95	1+25 NG
5342	510821.65	3482370.35	1.45	1+25 NG
5343	510823.52	3482366.51	1.50	1+25 NG
5344	510825.56	3482363.19	0.18	1+25 NG
5364	510847.82	3482319.88	-1.76	1+25 NG
5383	510851.83	3482311.01	1.56	1+25 NG
5384	510849.70	3482315.65	1.21	1+25 NG
3130	510885.00	3482299.49	1.93	1+50 NG
3139	510899.33	3482273.92	2.16	1+50 NG
3140	510912.39	3482251.63	1.49	1+50 NG
3141	510917.81	3482231.42	0.82	1+50 NG
3142	510932.18	3482212.11	0.38	1+50 NG
3157	510832.02	3482405.70	1.76	1+50 NG
3168	510817.97	3482433.67	1.51	1+50 NG
3169	510804.98	3482460.24	1.50	1+50 NG
3170	510796.42	3482477.02	2.02	1+50 NG
3171	510786.56	3482495.16	2.17	1+50 NG
5301	510859.23	3482352.98	-1.82	1+50 NG
5310	510865.51	3482340.69	-1.88	1+50 NG
5322	510853.97	3482363.87	-1.70	1+50 NG
5339	510843.07	3482383.50	1.65	1+50 NG
5340	510845.71	3482378.75	1.60	1+50 NG
5341	510847.97	3482374.87	-1.57	1+50 NG
5365	510869.48	3482331.42	-1.57	1+50 NG
5380	510874.91	3482321.79	1.68	1+50 NG
5381	510872.37	3482326.50	1.51	1+50 NG
5382	510871.51	3482329.08	0.64	1+50 NG
3131	510907.38	3482309.72	2.43	1+75 NG
3138	510919.21	3482287.22	2.52	1+75 NG
3143	510952.27	3482221.55	0.94	1+75 NG
3144	510945.68	3482236.30	0.82	1+75 NG
3145	510940.19	3482247.30	1.51	1+75 NG
3156	510929.10	3482269.18	2.24	1+75 NG
3158	510853.73	3482417.75	2.62	1+75 NG
3167	510840.97	3482442.94	2.49	1+75 NG
3172	510809.37	3482505.91	1.10	1+75 NG
3173	510820.46	3482481.77	0.88	1+75 NG
3174	510825.92	3482472.84	2.12	1+75 NG
3175	510832.67	3482459.71	2.42	1+75 NG
5302	510881.22	3482364.92	-1.62	1+75 NG
5309	510886.19	3482353.31	-2.02	1+75 NG
5323	510874.97	3482375.15	-2.64	1+75 NG
5336	510863.99	3482397.18	2.80	1+75 NG
5337	510867.24	3482392.04	2.13	1+75 NG
5338	510870.50	3482386.09	-1.82	1+75 NG

CHANNEL 6 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
5366	510892.03	3482342.53	-1.97	1+75 NG
5377	510898.05	3482330.50	2.00	1+75 NG
5378	510895.02	3482336.08	1.22	1+75 NG
5379	510893.51	3482338.82	0.50	1+75 NG
3132	510930.70	3482321.08	2.62	2+00 NG
3137	510940.82	3482297.79	2.62	2+00 NG
3146	510965.25	3482256.70	1.80	2+00 NG
3147	510969.95	3482242.70	1.00	2+00 NG
3148	510975.88	3482232.64	-0.04	2+00 NG
3155	510952.33	3482278.31	2.11	2+00 NG
3159	510875.06	3482429.13	2.76	2+00 NG
3166	510860.71	3482455.13	2.61	2+00 NG
3176	510850.18	3482477.34	2.29	2+00 NG
3182	510829.95	3482519.50	0.66	2+00 NG
3183	510836.50	3482503.81	0.63	2+00 NG
3184	510844.24	3482490.28	2.10	2+00 NG
5303	510903.89	3482375.69	-2.19	2+00 NG
5308	510908.82	3482363.95	-1.87	2+00 NG
5324	510898.64	3482386.76	-1.71	2+00 NG
5333	510886.85	3482407.68	2.60	2+00 NG
5334	510890.04	3482402.27	0.85	2+00 NG
5335	510892.56	3482397.45	-1.65	2+00 NG
5367	510914.13	3482354.31	-1.72	2+00 NG
5374	510919.45	3482343.73	2.36	2+00 NG
5375	510917.26	3482348.13	1.62	2+00 NG
5376	510915.90	3482351.50	0.49	2+00 NG
3133	510954.33	3482333.14	2.74	2+25 NG
3136	510964.44	3482308.64	2.61	2+25 NG
3149	510998.46	3482244.59	0.27	2+25 NG
3150	510990.96	3482256.54	1.57	2+25 NG
3153	510978.74	3482283.86	2.05	2+25 NG
3160	510898.52	3482439.53	2.56	2+25 NG
3165	510887.31	3482460.92	3.14	2+25 NG
3177	510876.50	3482484.82	2.86	2+25 NG
3178	510862.82	3482507.54	2.12	2+25 NG
3179	510859.19	3482517.88	0.56	2+25 NG
3180	510854.65	3482530.29	0.51	2+25 NG
5304	510926.07	3482386.93	-2.47	2+25 NG
5307	510930.85	3482375.52	-2.29	2+25 NG
5325	510918.75	3482398.90	-1.93	2+25 NG
5330	510912.17	3482413.80	1.12	2+25 NG
5331	510910.38	3482417.16	1.94	2+25 NG
5332	510914.20	3482408.51	-1.96	2+25 NG
5368	510936.58	3482365.36	-1.36	2+25 NG
5369	510938.24	3482362.51	1.04	2+25 NG

CHANNEL 6 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
5370	510940.45	3482357.81	2.23	2+25 NG
3134	510975.34	3482345.13	0.53	2+50 NG
3135	510987.82	3482317.11	0.59	2+50 NG
3151	511020.27	3482255.52	0.64	2+50 NG
3152	511007.27	3482276.83	0.84	2+50 NG
3154	510995.87	3482301.09	0.44	2+50 NG
3161	510920.41	3482451.55	1.00	2+50 NG
3162	510907.59	3482475.73	0.72	2+50 NG
3163	510897.69	3482497.27	0.48	2+50 NG
3164	510887.10	3482517.62	0.55	2+50 NG
3181	510875.35	3482539.90	0.24	2+50 NG
5305	510948.26	3482397.31	-2.04	2+50 NG
5306	510954.54	3482386.44	-2.64	2+50 NG
5326	510941.72	3482410.83	-2.13	2+50 NG
5327	510936.72	3482420.04	-1.48	2+50 NG
5328	510935.66	3482422.34	1.09	2+50 NG
5329	510933.84	3482426.70	1.19	2+50 NG
5371	510961.77	3482370.57	1.54	2+50 NG
5372	510960.73	3482373.51	1.18	2+50 NG
5373	510959.26	3482376.44	-1.64	2+50 NG
2666	510980.20	3482386.78	-0.77	2+75 NG
2667	510982.14	3482383.78	1.10	2+75 NG
2699	510963.15	3482422.03	-1.67	2+75 NG
2700	510959.52	3482429.44	-1.73	2+75 NG
2701	510958.69	3482431.94	1.06	2+75 NG
2702	510971.78	3482409.33	-1.09	2+75 NG
2668	511005.92	3482398.81	-1.82	3+00 NG
2669	511000.14	3482404.73	-1.42	3+00 NG
2670	511007.28	3482393.09	0.34	3+00 NG
2696	510984.84	3482434.62	-1.54	3+00 NG
2697	510980.97	3482441.96	-1.28	3+00 NG
2698	510980.38	3482444.05	0.73	3+00 NG
2703	510993.62	3482421.29	-2.18	3+00 NG
2671	511022.88	3482418.43	-2.43	3+25 NG
2672	511027.52	3482408.91	-0.75	3+25 NG
2673	511028.01	3482406.94	0.89	3+25 NG
2693	511008.50	3482446.57	-2.41	3+25 NG
2694	511005.33	3482453.45	-1.18	3+25 NG
2695	511004.07	3482456.04	1.10	3+25 NG
2704	511015.10	3482431.95	-1.82	3+25 NG
2674	511044.82	3482429.96	-2.17	3+50 NG
2675	511048.24	3482422.01	-2.06	3+50 NG
2676	511050.95	3482418.13	0.57	3+50 NG
2690	511024.90	3482465.38	1.11	3+50 NG
2691	511026.06	3482463.52	-0.66	3+50 NG

CHANNEL 6 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
2692	511030.20	3482457.34	-1.76	3+50 NG
2705	511037.58	3482444.21	-1.60	3+50 NG
2677	511067.06	3482441.60	-1.61	3+75 NG
2678	511070.51	3482433.52	-1.13	3+75 NG
2679	511072.75	3482429.43	1.06	3+75 NG
2687	511052.60	3482467.33	-1.99	3+75 NG
2688	511048.04	3482474.89	-1.45	3+75 NG
2689	511047.30	3482477.21	0.93	3+75 NG
2706	511059.45	3482455.32	-1.56	3+75 NG
2680	511089.89	3482444.39	-0.99	4+00 NG
2681	511090.78	3482440.51	0.42	4+00 NG
2682	511082.71	3482458.03	-1.22	4+00 NG
2683	511078.56	3482465.50	-1.02	4+00 NG
2684	511072.65	3482474.70	-1.77	4+00 NG
2685	511066.36	3482486.38	-1.07	4+00 NG
2686	511064.99	3482488.85	0.36	4+00 NG

ALTERNATE 1 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
5194	510816.96	3480618.62	-5.08	0+00 NG
5195	510811.39	3480607.80	-5.02	0+00 NG
5196	510807.40	3480596.35	-4.60	0+00 NG
5290	510798.44	3480573.37	-5.40	0+00 NG
5291	510804.10	3480584.34	-4.70	0+00 NG
5292	510819.33	3480631.95	-4.73	0+00 NG
5293	510824.67	3480643.59	-5.46	0+00 NG
5163	510832.82	3480598.83	-2.40	0+25 NG
5193	510838.64	3480611.42	-2.01	0+25 NG
5286	510828.96	3480584.28	-2.17	0+25 NG
5287	510826.13	3480573.91	-2.20	0+25 NG
5288	510823.17	3480567.40	-1.65	0+25 NG
5289	510819.33	3480558.21	-1.13	0+25 NG
5294	510844.11	3480623.26	-1.87	0+25 NG
5295	510847.99	3480631.29	-0.94	0+25 NG
5296	510850.51	3480639.27	0.12	0+25 NG
5164	510857.72	3480591.35	-2.12	0+50 NG
5192	510862.60	3480602.67	-1.87	0+50 NG
5197	510852.82	3480576.85	-2.21	0+50 NG
5250	510843.41	3480551.32	3.19	0+50 NG
5251	510846.12	3480560.28	1.85	0+50 NG
5252	510848.87	3480566.76	-1.82	0+50 NG
5253	510865.28	3480614.18	-1.93	0+50 NG
5254	510868.25	3480620.58	2.77	0+50 NG
5255	510871.36	3480627.20	4.75	0+50 NG
5165	510881.04	3480581.12	-1.67	0+75 NG
5191	510884.13	3480595.09	-2.00	0+75 NG
5198	510877.03	3480568.75	-1.64	0+75 NG
5247	510867.96	3480544.37	3.06	0+75 NG
5248	510870.11	3480552.18	1.76	0+75 NG
5249	510872.66	3480557.51	-1.86	0+75 NG
5256	510894.57	3480620.18	4.18	0+75 NG
5257	510892.39	3480611.73	2.45	0+75 NG
5258	510889.06	3480604.20	-1.48	0+75 NG
5166	510905.36	3480571.91	-2.22	1+00 NG
5190	510908.14	3480584.32	-1.88	1+00 NG
5199	510900.61	3480559.43	-1.83	1+00 NG
5243	510890.96	3480535.56	2.35	1+00 NG
5244	510892.88	3480541.73	1.97	1+00 NG
5245	510894.74	3480547.30	0.90	1+00 NG
5246	510896.13	3480550.51	-1.60	1+00 NG
5259	510918.08	3480609.61	3.41	1+00 NG
5260	510915.58	3480600.58	2.75	1+00 NG
5261	510912.75	3480595.18	-1.46	1+00 NG
5167	510927.47	3480562.76	-1.90	1+25 NG

ALTERNATE 1 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
5189	510931.94	3480578.66	-1.86	1+25 NG
5200	510923.85	3480550.86	-1.92	1+25 NG
5240	510915.19	3480528.07	2.87	1+25 NG
5241	510916.52	3480534.44	2.35	1+25 NG
5242	510919.84	3480541.50	-1.32	1+25 NG
5262	510936.87	3480586.92	0.89	1+25 NG
2776	510973.76	3480613.29	3.59	1+50 NG
2777	510930.96	3480501.42	2.27	1+50 NG
2788	510907.10	3480432.55	0.32	1+50 NG
2793	510917.12	3480459.38	0.63	1+50 NG
2794	510921.42	3480477.74	2.06	1+50 NG
2796	510979.34	3480633.47	2.50	1+50 NG
2797	510986.90	3480650.72	1.83	1+50 NG
2798	510993.25	3480667.01	2.32	1+50 NG
2799	511001.09	3480691.73	1.79	1+50 NG
2800	511007.05	3480706.43	1.50	1+50 NG
2804	510893.41	3480403.56	0.85	1+50 NG
5168	510950.59	3480554.92	-1.65	1+50 NG
5188	510956.87	3480568.28	-2.23	1+50 NG
5201	510947.61	3480541.95	-1.80	1+50 NG
5237	510937.62	3480520.27	2.67	1+50 NG
5238	510940.03	3480526.14	1.72	1+50 NG
5239	510942.50	3480531.90	-1.66	1+50 NG
5263	510964.18	3480588.30	3.79	1+50 NG
5264	510961.12	3480582.33	1.43	1+50 NG
5265	510960.88	3480579.35	0.04	1+50 NG
2767	511013.75	3480647.93	1.39	1+75 NG
2768	511021.06	3480670.57	1.00	1+75 NG
2769	511003.19	3480623.71	2.93	1+75 NG
2775	510996.26	3480599.27	3.25	1+75 NG
2778	510953.80	3480489.80	2.64	1+75 NG
2787	510917.54	3480396.75	0.19	1+75 NG
2789	510932.35	3480423.45	0.91	1+75 NG
2791	510939.89	3480456.90	2.05	1+75 NG
2801	511029.95	3480696.08	1.03	1+75 NG
5169	510974.10	3480546.09	-2.05	1+75 NG
5187	510977.38	3480560.03	-2.31	1+75 NG
5202	510969.58	3480533.90	-1.92	1+75 NG
5233	510960.46	3480509.75	2.66	1+75 NG
5234	510962.39	3480514.80	2.19	1+75 NG
5235	510964.55	3480519.10	0.97	1+75 NG
5236	510965.97	3480523.10	-1.59	1+75 NG
5266	510982.90	3480570.77	-0.39	1+75 NG
5267	510984.74	3480576.19	2.02	1+75 NG
5268	510986.97	3480581.37	2.94	1+75 NG

ALTERNATE 1 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
2756	511044.30	3480660.38	0.95	2+00 NG
2757	511055.63	3480689.78	0.41	2+00 NG
2766	511033.71	3480639.22	1.63	2+00 NG
2770	511023.65	3480607.03	2.23	2+00 NG
2771	511018.66	3480593.63	2.24	2+00 NG
2772	511012.48	3480577.66	2.15	2+00 NG
2779	510976.46	3480481.67	2.59	2+00 NG
2786	510942.63	3480391.88	0.50	2+00 NG
2790	510953.62	3480419.50	1.55	2+00 NG
2792	510964.50	3480452.29	2.55	2+00 NG
5170	510997.85	3480538.33	-2.69	2+00 NG
5186	511002.30	3480551.50	-1.93	2+00 NG
5203	510995.61	3480526.40	-2.67	2+00 NG
5229	510990.11	3480515.49	-1.85	2+00 NG
5230	510988.27	3480512.42	0.33	2+00 NG
5231	510986.60	3480506.49	1.68	2+00 NG
5232	510984.58	3480503.67	2.49	2+00 NG
5269	511006.64	3480561.88	-1.74	2+00 NG
5270	511007.56	3480565.15	0.85	2+00 NG
2758	511074.53	3480672.79	0.36	2+25 NG
2763	511053.90	3480616.51	2.33	2+25 NG
2764	511062.33	3480635.12	1.95	2+25 NG
2765	511070.25	3480658.73	1.12	2+25 NG
2773	511035.88	3480567.57	2.19	2+25 NG
2774	511041.86	3480583.36	2.56	2+25 NG
2780	511002.68	3480475.95	2.23	2+25 NG
2783	510992.59	3480450.73	2.03	2+25 NG
2784	510986.57	3480427.22	1.07	2+25 NG
2802	510967.33	3480377.85	-0.58	2+25 NG
5171	511020.65	3480529.18	-2.56	2+25 NG
5185	511026.37	3480542.70	-2.61	2+25 NG
5204	511016.34	3480517.10	-2.76	2+25 NG
5226	511012.75	3480505.63	-1.66	2+25 NG
5227	511010.86	3480500.84	0.55	2+25 NG
5228	511008.73	3480496.50	1.68	2+25 NG
5271	511031.13	3480553.02	-1.87	2+25 NG
5272	511032.56	3480558.72	0.92	2+25 NG
2759	511099.97	3480671.20	0.17	2+50 NG
2760	511090.09	3480639.48	0.09	2+50 NG
2761	511074.13	3480603.98	0.75	2+50 NG
2762	511069.09	3480585.26	0.74	2+50 NG
2781	511025.67	3480467.72	0.48	2+50 NG
2782	511013.20	3480442.43	0.70	2+50 NG
2785	511005.49	3480418.83	0.66	2+50 NG
2803	510988.43	3480372.73	-0.30	2+50 NG

ALTERNATE 1 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
5172	511045.43	3480519.97	-2.24	2+50 NG
5184	511048.51	3480532.94	-2.24	2+50 NG
5205	511040.23	3480509.73	-2.45	2+50 NG
5223	511036.49	3480496.66	-1.52	2+50 NG
5224	511034.85	3480492.02	1.16	2+50 NG
5225	511032.48	3480488.50	1.41	2+50 NG
5273	511052.90	3480544.64	-1.67	2+50 NG
5274	511054.18	3480548.89	0.82	2+50 NG
5173	511067.54	3480512.73	-2.24	2+75 NG
5183	511072.57	3480525.95	-2.42	2+75 NG
5206	511065.20	3480500.01	-1.81	2+75 NG
5220	511059.39	3480490.02	-1.50	2+75 NG
5221	511058.23	3480485.64	0.52	2+75 NG
5222	511056.92	3480481.20	0.74	2+75 NG
5275	511077.04	3480537.51	-1.27	2+75 NG
5276	511080.49	3480547.35	0.59	2+75 NG
5174	511091.03	3480504.49	-2.25	3+00 NG
5182	511096.33	3480516.76	-3.31	3+00 NG
5207	511087.13	3480492.61	-2.27	3+00 NG
5217	511083.27	3480480.41	-1.56	3+00 NG
5218	511081.11	3480477.12	0.70	3+00 NG
5219	511079.98	3480473.15	1.01	3+00 NG
5277	511101.45	3480527.65	-3.44	3+00 NG
5278	511103.74	3480536.12	-1.44	3+00 NG
5279	511105.18	3480538.96	-1.67	3+00 NG
5175	511116.77	3480495.02	-1.90	3+25 NG
5181	511119.42	3480507.12	-2.45	3+25 NG
5208	511111.72	3480484.52	-2.83	3+25 NG
5215	511106.54	3480473.71	-1.75	3+25 NG
5216	511105.36	3480469.35	1.04	3+25 NG
5280	511125.07	3480519.11	-2.48	3+25 NG
5281	511126.94	3480523.77	-0.07	3+25 NG
5282	511127.86	3480527.59	0.58	3+25 NG
5176	511138.57	3480486.44	-2.57	3+50 NG
5180	511144.04	3480499.37	-5.26	3+50 NG
5209	511135.38	3480475.16	-2.54	3+50 NG
5213	511131.61	3480464.49	-1.64	3+50 NG
5214	511127.85	3480461.40	1.14	3+50 NG
5283	511147.78	3480510.81	-1.51	3+50 NG
5284	511149.99	3480514.60	0.68	3+50 NG
5177	511162.79	3480477.99	-1.79	3+75 NG
5178	511165.36	3480490.85	-2.01	3+75 NG
5179	511172.04	3480502.88	-1.43	3+75 NG
5210	511158.06	3480464.87	-2.39	3+75 NG
5211	511152.52	3480448.94	0.05	3+75 NG

ALTERNATE 1 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
5212	511154.82	3480454.05	-1.80	3+75 NG
5285	511175.15	3480507.44	-0.02	3+75 NG
2647	511180.96	3480470.76	-2.56	4+00 NG
2648	511178.05	3480436.42	-2.24	4+00 NG
2649	511175.66	3480432.84	-0.84	4+00 NG
2650	511183.09	3480449.49	-1.02	4+00 NG
2651	511189.77	3480468.38	-2.21	4+00 NG
2652	511194.11	3480485.18	-2.02	4+00 NG
2653	511195.57	3480490.76	-1.46	4+00 NG
2654	511196.75	3480495.02	0.28	4+00 NG

ALTERNATE 2 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
2440	510628.93	3478734.72	-3.03	0+00 NG
2441	510623.60	3478709.79	-4.93	0+00 NG
2550	510634.61	3478750.16	-2.99	0+00 NG
2551	510634.31	3478758.27	-2.40	0+00 NG
2552	510636.52	3478767.38	-2.28	0+00 NG
2439	510651.45	3478728.63	-2.60	0+25 NG
2442	510646.99	3478711.16	-2.91	0+25 NG
2443	510643.56	3478699.57	-3.12	0+25 NG
2547	510660.99	3478758.00	-0.65	0+25 NG
2548	510659.18	3478750.23	-1.86	0+25 NG
2549	510656.75	3478741.75	-2.36	0+25 NG
2438	510675.95	3478721.14	-2.39	0+50 NG
2444	510670.52	3478694.77	-1.96	0+50 NG
2445	510666.86	3478686.41	0.53	0+50 NG
2446	510664.12	3478678.49	0.51	0+50 NG
2543	510681.76	3478744.96	-1.14	0+50 NG
2544	510682.19	3478734.48	-2.33	0+50 NG
2545	510684.51	3478751.88	-0.59	0+50 NG
2546	510686.82	3478756.83	2.11	0+50 NG
2437	510699.66	3478713.89	-2.27	0+75 NG
2447	510695.01	3478695.42	-2.55	0+75 NG
2448	510692.12	3478687.25	-1.23	0+75 NG
2449	510688.45	3478678.82	1.05	0+75 NG
2450	510686.87	3478673.47	2.54	0+75 NG
2539	510702.54	3478722.91	-2.89	0+75 NG
2540	510705.09	3478735.28	-1.32	0+75 NG
2541	510707.19	3478742.70	1.34	0+75 NG
2542	510707.60	3478747.94	3.28	0+75 NG
2436	510721.95	3478704.94	-2.37	1+00 NG
2451	510718.22	3478687.63	-2.29	1+00 NG
2452	510716.17	3478679.96	-1.32	1+00 NG
2453	510713.76	3478675.07	0.79	1+00 NG
2454	510712.36	3478667.60	1.94	1+00 NG
2534	510727.56	3478717.04	-2.30	1+00 NG
2535	510729.68	3478727.48	-1.21	1+00 NG
2536	510731.01	3478730.47	1.35	1+00 NG
2537	510732.25	3478735.68	3.01	1+00 NG
2538	510732.91	3478742.65	3.61	1+00 NG
2435	510746.73	3478699.27	-2.60	1+25 NG
2455	510742.86	3478681.11	-2.42	1+25 NG
2456	510740.12	3478674.66	-1.09	1+25 NG
2457	510739.07	3478669.99	1.30	1+25 NG
2530	510750.59	3478711.69	-2.19	1+25 NG
2531	510753.69	3478719.28	-1.67	1+25 NG
2532	510756.43	3478728.95	1.73	1+25 NG

ALTERNATE 2 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
2533	510758.31	3478735.65	1.97	1+25 NG
2434	510773.52	3478690.93	-2.95	1+50 NG
2458	510767.34	3478674.57	-2.71	1+50 NG
2459	510763.14	3478666.88	-0.90	1+50 NG
2460	510761.74	3478659.12	1.04	1+50 NG
2461	510760.42	3478653.87	1.77	1+50 NG
2526	510775.37	3478705.32	-2.31	1+50 NG
2527	510779.49	3478714.58	-2.88	1+50 NG
2528	510779.78	3478721.97	0.71	1+50 NG
2529	510780.86	3478725.93	1.50	1+50 NG
2903	510784.53	3478736.69	1.63	1+50 NG
2904	510788.44	3478747.14	1.37	1+50 NG
2905	510786.16	3478771.89	1.30	1+50 NG
2906	510783.92	3478796.56	1.09	1+50 NG
2907	510778.00	3478825.97	0.96	1+50 NG
2908	510774.40	3478856.89	0.92	1+50 NG
2433	510794.98	3478681.99	-2.65	1+75 NG
2462	510791.38	3478668.24	-2.14	1+75 NG
2463	510788.33	3478660.13	-1.02	1+75 NG
2464	510785.99	3478656.08	1.06	1+75 NG
2465	510784.15	3478650.76	2.01	1+75 NG
2522	510798.92	3478699.33	-2.74	1+75 NG
2523	510802.60	3478708.48	-1.35	1+75 NG
2524	510805.42	3478716.98	0.83	1+75 NG
2525	510808.87	3478727.82	2.49	1+75 NG
2909	510800.20	3478849.60	0.71	1+75 NG
2910	510803.98	3478826.47	0.97	1+75 NG
2911	510807.15	3478804.70	1.13	1+75 NG
2912	510811.02	3478780.51	1.88	1+75 NG
2913	510813.53	3478761.55	2.40	1+75 NG
2914	510815.03	3478739.14	2.20	1+75 NG
2432	510817.37	3478677.28	-3.41	2+00 NG
2466	510815.40	3478661.16	-2.85	2+00 NG
2467	510811.09	3478652.78	-1.34	2+00 NG
2468	510809.32	3478647.02	1.09	2+00 NG
2469	510808.16	3478640.04	1.64	2+00 NG
2518	510825.85	3478696.56	-3.01	2+00 NG
2519	510822.38	3478688.40	-2.71	2+00 NG
2520	510829.00	3478707.80	0.32	2+00 NG
2521	510830.93	3478714.86	2.04	2+00 NG
2915	510844.44	3478732.52	2.43	2+00 NG
2916	510839.00	3478761.34	2.60	2+00 NG
2917	510834.36	3478787.94	1.75	2+00 NG
2918	510830.71	3478814.96	0.92	2+00 NG
2919	510827.85	3478839.44	0.74	2+00 NG

ALTERNATE 2 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
2932	510805.22	3478626.67	3.06	2+00 NG
2933	510805.63	3478617.73	2.75	2+00 NG
2934	510807.01	3478605.39	0.82	2+00 NG
2935	510810.44	3478578.35	0.77	2+00 NG
2936	510812.13	3478552.92	0.66	2+00 NG
2937	510814.21	3478534.39	0.76	2+00 NG
2938	510819.14	3478508.96	0.68	2+00 NG
2431	510842.96	3478669.78	-2.99	2+25 NG
2470	510835.94	3478653.57	-2.50	2+25 NG
2471	510834.71	3478644.92	-0.99	2+25 NG
2472	510832.11	3478637.02	0.99	2+25 NG
2473	510830.97	3478632.24	1.63	2+25 NG
2514	510850.70	3478691.36	-2.07	2+25 NG
2515	510850.13	3478682.96	-3.02	2+25 NG
2516	510853.61	3478702.47	-0.82	2+25 NG
2517	510854.60	3478711.68	2.77	2+25 NG
2920	510852.99	3478830.81	0.73	2+25 NG
2921	510857.70	3478805.33	1.02	2+25 NG
2922	510859.64	3478784.05	1.30	2+25 NG
2923	510860.75	3478775.31	1.99	2+25 NG
2924	510865.30	3478748.66	2.68	2+25 NG
2925	510868.81	3478723.48	2.51	2+25 NG
2939	510840.30	3478534.77	0.68	2+25 NG
2940	510846.05	3478507.47	-0.26	2+25 NG
2941	510835.15	3478560.77	0.74	2+25 NG
2942	510833.12	3478581.19	1.32	2+25 NG
2943	510830.91	3478607.86	2.56	2+25 NG
2944	510827.40	3478617.96	2.58	2+25 NG
2430	510864.79	3478663.09	-3.15	2+50 NG
2474	510862.23	3478646.12	-2.89	2+50 NG
2475	510859.76	3478638.51	-1.51	2+50 NG
2476	510857.72	3478633.53	0.76	2+50 NG
2477	510856.45	3478626.15	1.96	2+50 NG
2510	510869.20	3478676.10	-1.53	2+50 NG
2511	510874.04	3478686.95	-1.93	2+50 NG
2512	510877.40	3478694.44	1.18	2+50 NG
2513	510877.95	3478698.31	2.21	2+50 NG
2926	510897.15	3478712.46	2.72	2+50 NG
2927	510892.00	3478740.38	3.04	2+50 NG
2928	510887.10	3478775.28	2.04	2+50 NG
2929	510884.78	3478787.34	0.70	2+50 NG
2930	510882.46	3478807.27	0.94	2+50 NG
2931	510879.48	3478825.00	0.62	2+50 NG
2945	510857.09	3478601.96	2.26	2+50 NG
2946	510858.53	3478585.44	2.00	2+50 NG

ALTERNATE 2 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
2947	510864.19	3478562.69	1.03	2+50 NG
2948	510865.35	3478539.97	0.61	2+50 NG
2949	510868.85	3478518.51	-0.27	2+50 NG
2950	510877.56	3478491.93	-0.87	2+50 NG
2429	510888.54	3478655.40	-3.25	2+75 NG
2478	510887.09	3478639.63	-3.32	2+75 NG
2479	510884.44	3478631.24	-1.07	2+75 NG
2480	510882.46	3478623.93	1.16	2+75 NG
2481	510880.57	3478618.31	2.39	2+75 NG
2507	510895.43	3478667.24	-1.45	2+75 NG
2508	510897.25	3478675.85	-1.59	2+75 NG
2509	510901.18	3478682.97	0.97	2+75 NG
2951	510894.76	3478518.08	-0.20	2+75 NG
2952	510890.05	3478542.67	0.64	2+75 NG
2953	510886.62	3478566.34	0.56	2+75 NG
2954	510885.11	3478581.96	2.94	2+75 NG
2955	510883.82	3478592.34	2.86	2+75 NG
2428	510913.51	3478648.21	-2.92	3+00 NG
2482	510912.40	3478632.24	-3.21	3+00 NG
2483	510906.89	3478622.82	-0.97	3+00 NG
2484	510905.12	3478613.92	1.56	3+00 NG
2485	510903.96	3478610.31	2.07	3+00 NG
2504	510919.47	3478663.92	-1.34	3+00 NG
2505	510922.42	3478668.81	-0.88	3+00 NG
2506	510923.33	3478669.90	1.23	3+00 NG
2956	510911.23	3478583.97	3.23	3+00 NG
2957	510912.76	3478566.17	0.76	3+00 NG
2958	510916.08	3478545.70	0.24	3+00 NG
2959	510917.16	3478527.52	0.58	3+00 NG
2960	510919.72	3478518.90	-0.24	3+00 NG
2427	510937.13	3478639.14	-3.14	3+25 NG
2486	510934.65	3478625.77	-3.42	3+25 NG
2487	510931.81	3478614.77	-0.96	3+25 NG
2488	510931.83	3478611.88	0.63	3+25 NG
2501	510941.33	3478651.93	-2.06	3+25 NG
2502	510945.19	3478661.75	-1.01	3+25 NG
2503	510946.06	3478668.50	0.95	3+25 NG
2426	510961.02	3478630.50	-2.99	3+50 NG
2489	510958.46	3478617.64	-3.23	3+50 NG
2490	510955.88	3478605.83	-1.84	3+50 NG
2491	510956.37	3478601.87	1.36	3+50 NG
2499	510967.48	3478653.11	-0.83	3+50 NG
2500	510966.35	3478643.69	-2.29	3+50 NG
2425	510984.80	3478627.25	-1.57	3+75 NG
2492	510983.20	3478610.11	-1.03	3+75 NG

ALTERNATE 2 AS-BUILT

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
2493	510981.82	3478599.24	-0.62	3+75 NG
2494	510981.18	3478597.49	0.93	3+75 NG
2497	510993.75	3478646.21	-2.79	3+75 NG
2498	510994.54	3478648.95	-2.08	3+75 NG
2424	511011.02	3478614.39	-1.56	4+00 NG
2495	511002.46	3478592.49	-1.35	4+00 NG
2496	511002.16	3478591.34	-0.51	4+00 NG
2659	511018.49	3478644.01	-1.70	4+00 NG
2660	511018.27	3478625.59	-1.58	4+00 NG
2661	511008.98	3478605.86	-1.38	4+00 NG

APPENDIX D

FIELD NOTES

17-204

Magnolia Dredge

BA-34-SM-02

Hydrologic Restoration

Base on Pt 11

11 N=513653.40 E=3472344.28 EL=1.771

15 N=510509.26 E=3475710.32 EL=2.170

2000 N=510509.26 E=3475710.32 EL=2.170

2001-2293 as built sections on CUT 1+2

12-21-17

BCS-094

67

C-TAPS

T. Landry

R. Linette

17-204

MAGNOLIA DREDGE

BA-34 - SM-02

HYDROLOGIC RESTORATION

BASE ON PT #21

21 N: 510,456.92 E: 3,478,744.53 EL: 2.600

2294 - 2647: AS BUILTS X-SECTIONS CUTS 3,4¹/₆

30 N: 510,846.42 E: 3,480,557.94 EL: 2.208

31 N: 510,846.42 E: 3,480,557.97 EL: 2.171

5001 - 5296: AS BUILTS X-SECTIONS CUTS 5¹/₇

12-22-17

BCS-094

68

C. Toups

J. JARRETT

T. LANDRY

P. LIGETTE

HUB & TACK

SES 60 D NAIL

SES 60 D NAIL

17-204

Magnolia Dredge

BA-34-SM-02

Hydrologic Restoration

Base on 2-30

30 N=510846.42 E=3480557.94 EL=2.208

UNIT 1 2648-2665 as-built sections

UNIT 2 5297-5397 as-built sections

12-20-17

RCS-094

69

CUTS

J. Landy

R. Wrettle

J. Jarreau

wood @ CUT 7

17-204

MAGNOLIA DREDGE

BA-34 - SM-02

HYDROLOGIC RESTORATION

BASE ON PT#30

30 N: 510,846.42 E: 3,489,557.94 EG 2.208

2666 - 2901 : AS-BUILTS X-SECTIONS ¹

DISPOSAL AREA X-SECTIONS

12-27-17

BCS-094

70

C. FOUPS

J. JARREAN

P. LIRETTE

LOD NAIL @ CUT 7

→ (ON CUT 5, 6, 7)

17-204

Magnolia Dredge

BA-34-SM-02

Hydrologic Restoration

Resection on Pts 1078 & 1068

1078 N=510641.34 E=3478834.73 EL=2.310

1068 N=510694.14 E=3478767.23 EL=2.330

2902 N=510778.78 E=3478726.11

2903 - 2960 as-built x-sections on CUT #4

Resection on Pts 1046 & 1047

1046 N=510737.32 E=3477349.73 EL=2.860

1047 N=510750.02 E=3477432.20 EL=3.180

2961 N=510786.82 E=3477313.91

2962 - 3018 as-built x-sections on CUT #3

1-4-18

BCS-096

C. TOUPS

J. Jarreau

R. Lirette

Good

Good

Resection point

Good

Good

Resection point

17-204

resection on pts 1041 & 1042

1041 N=511912.87 E=3474578.12 El=2.750

1042 N=511986.05 E=3474533.49 El=2.230

3019 N=511908.24 E=3474676.96

3020-3072 as-built x-sections on CUT #2

resection on pts 1011 & 1012

1011 N=512344.38 E=3474208.34 El=4.130

1012 N=512260.30 E=3474254.35 El=2.750

3073 N=512381.92 E=3474224.96

3074-3128 as-built x-sections on CUT #1

1-4-18

BCS-096

2

CT, JS, PL

600'

600'

resection point

600'

600'

resection point

17-204

Magnolia Dredge

BA-34-SM-02

Hydrologic Restoration

resection on Pts 1163 & 1164

1163 N=510854.08 E=3482305.43 Elev 2.520

1164 N=510845.11 E=3482208.00 Elev 1.730

3129 N=510860.62 E=3482318.19

3130 - 3184 as-built x-sections in CUT 5

1-5-18

BOC-094

79

CUT 5

J. Jarreau

600d

600d

Resection point