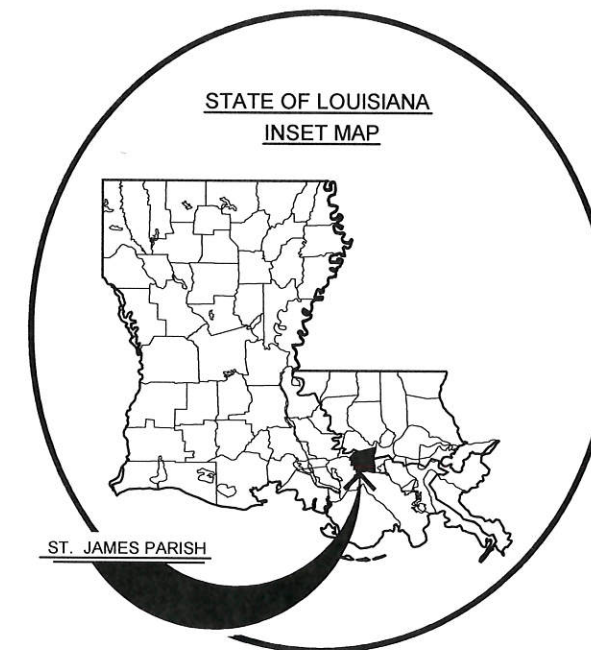
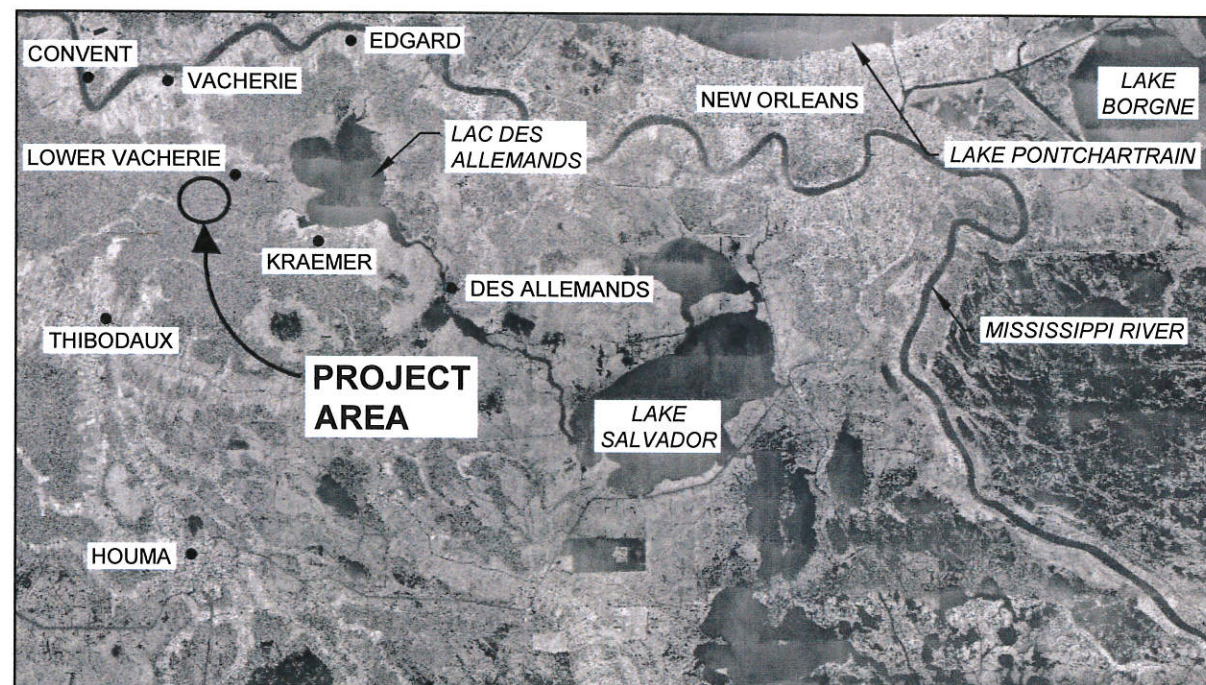


INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	GENERAL NOTES
3	PROJECT LAYOUT
4	PLAN VIEW - SPOIL BANK GAPS 1 & 2
5	PLAN VIEW - SPOIL BANK GAP 3
6	PLAN VIEW - SPOIL BANK GAPS 4, 5, & ALT. 2
7	PLAN VIEW - SPOIL BANK GAP ALT. 1
8	PLAN VIEW - SPOIL BANK GAP 6
9	TYPICAL SECTIONS AND TREE SHELTER DETAIL
10	TYPICAL PROFILE
11	DESIGN SURVEY LAYOUT
12 - 15	CONSTRUCTION SURVEY LAYOUT
16 - 19	SECTIONS
20	BAYOU PROFILE

STATE OF LOUISIANA
COASTAL PROTECTION AND RESTORATION AUTHORITY

HYDROLOGIC RESTORATION AND VEGETATIVE
PLANTING IN THE DES ALLEMANDS SWAMP
BA-34-2
ST. JAMES PARISH



LICENSURE CLASSIFICATION REQUIREMENTS

MAJOR CLASSIFICATION: HEAVY CONSTRUCTION AND/OR COASTAL
RESTORATION HABITAT AND ENHANCEMENT

				COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802		HYDROLOGIC RESTORATION AND VEGETATIVE PLANTING IN THE DES ALLEMANDS SWAMP		TITLE SHEET
						STATE PROJECT NUMBER: BA-34-2		
						FEDERAL PROJECT NUMBER: BA-34-2		DATE: JUNE 2017
REV.	DATE	DESCRIPTION	BY			DRAWN BY: K. CANTU	DESIGNED BY: G. MATTSON, E.I.	APPROVED BY: S. HAYNES, P.E.

GENERAL NOTES:

1. THE CONTRACTOR SHALL NOT, AT ANY TIME, TREAD ON EXISTING VEGETATED WETLANDS EXTERNAL TO THE PROJECT SITE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NAVIGATING WITHIN THE LIMITS OF THE PROJECT SITE. THE ENGINEER OR RESIDENT PROJECT REPRESENTATIVE SHALL MONITOR THE CONTRACTOR'S LOCATION DURING CONSTRUCTION.
3. THE EQUIPMENT SHALL ACCESS THE PROJECT SITE THROUGH NAVIGABLE WATERWAYS AND SHALL NOT DISTURB EXISTING WATER BOTTOMS UNLESS OTHERWISE NOTED.
4. PIPELINES AND UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL LOCATE AND MARK ALL PIPELINES AND UTILITIES LOCATED WITHIN 150 FT. OF THE WORK PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN THESE MARKERS DURING CONSTRUCTION.
5. PLANS AND SPECIFICATIONS ARE COMPLEMENTARY; WHAT IS REQUIRED BY ONE IS BINDING AS IF REQUIRED BY ALL. CLARIFICATIONS AND INTERPRETATIONS OF, OR NOTIFICATIONS OF MINOR VARIATIONS AND DEVIATIONS IN THE CONTRACT DOCUMENTS, WILL BE ISSUED BY THE ENGINEER.
6. ANY DAMAGE TO EXISTING U.S. COAST GUARD NAVIGATION AIDS OR PRIVATE NAVIGATION AIDS SHALL BE REPAIRED BY THE CONTRACTOR TO U.S. COAST GUARD STANDARDS AT THE EXPENSE OF THE CONTRACTOR.
7. THE GAPS AND SPOIL PLACEMENT AREAS MAY BE REVISED BY THE ENGINEER THROUGHOUT THE PERFORMANCE OF THE WORK TO REFLECT CHANGES IN FIELD CONDITIONS.
8. THE CONTRACTOR IS RESPONSIBLE FOR CONTAINING ALL EXCAVATED MATERIAL WITHIN THE BOUNDARIES OF THE SPOIL PLACEMENT AREAS. ALL DISPLACED SPOIL MATERIAL SHALL BE RETURNED AT NO COST TO THE OWNER.

NOTIFICATIONS:

1. THE CONTRACTOR SHALL NOTIFY LOUISIANA ONE CALL AT 1-800-272-3020 TO LOCATE PIPELINES AND UTILITIES AT LEAST FIVE(5) WORKING DAYS PRIOR TO PERFORMING THE WORK. THE CONTRACTOR SHALL ALSO NOTIFY THE FOLLOWING PIPELINE AND UTILITY OPERATORS AT LEAST FIVE (5) WORKING DAYS PRIOR TO PERFORMING THE WORK:

CYPRESS GAS PIPELINE, LLC.
CONTACT: BRYAN GIROIR
PHONE: (985) 493-4619
2. LAND RIGHTS AGREEMENTS ARE PROVIDED IN THE SPECIFICATIONS. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING LANDOWNERS AT LEAST FIVE (5) WORKING DAYS PRIOR TO PERFORMING THE WORK:

BAYOU CHEVREUIL LAND CO., LLC
CONTACT: DANNY MORAN
PHONE: (225) 928-5678

ST. JAMES PARISH GOVERNMENT
CONTACT: TIMOTHY ROUSSEL
PHONE: (225) 562-2260
- DESIGN NOTES:
1. ALL ELEVATIONS ARE GIVEN IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) U.S. SURVEY FEET. ALL HORIZONTAL COORDINATES ARE GIVEN IN THE NORTH AMERICAN DATUM OF 1983 (NAD 83, LOUISIANA STATE PLANE SOUTH ZONE U.S. FEET).

SECONDARY SURVEY MONUMENT
BA-34-SM-02

ELEVATION
1.20'

NORTHING
513,837.33

EASTING
3,472,257.09

2. THE EXISTING ELEVATIONS SHOWN ON THE PLANS ARE BASED ON BATHYMETRIC AND TOPOGRAPHIC SURVEYS PERFORMED IN APRIL, 2015 BY C & C TECHNOLOGIES.

3. DATA FROM CRMS STATION CRMS3054 WAS USED TO CALCULATE THE MEAN HIGH WATER (+1.50') AND MEAN LOW WATER (+0.30').
- ENVIRONMENTAL NOTES:
1. THE CONTRACTOR SHALL COMPLY WITH THE SPECIAL PROVISION FOR PROTECTED SPECIES IN THE SPECIFICATIONS.
- SUMMARY OF ESTIMATED QUANTITIES
- BASE BID
- | ITEM No. | DESCRIPTION | UNIT | ESTIMATED QUANTITY¹ |
|----------|--|------------|---------------------|
| 1 | MOBILIZATION AND DEMOBILIZATION (TS-100) | LUMP SUM | 1 |
| 2 | SURVEYS (TS-210) | LUMP SUM | 1 |
| 3 | DAILY BIRD ABATEMENT (TS-211) | EACH | 67 |
| 4 | CLEAR AND GRUB (TS-330) | LUMP SUM | 1 |
| 5 | TREE REMOVAL AND DISPOSAL (TS-335) | LUMP SUM | 1 |
| 6 | EXCAVATION AND PLACEMENT (TS-340)² | CUBIC YARD | 9,488 |
| 7 | BALD CYPRESS TREES (TS-1200) | EACH | 600 |
| 8 | WATER TUPELO TREES (TS-1205) | EACH | 600 |
| 9 | TREE SHELTERS (TS-1220) | EACH | 1,200 |
- ALTERNATIVE 1
- | ITEM No. | DESCRIPTION | UNIT | ESTIMATED QUANTITY¹ |
|----------|------------------------------|----------|---------------------|
| 10 | ADDITION FOR ALTERNATE GAP 1 | LUMP SUM | 1 |
- ALTERNATIVE 2
- | ITEM No. | DESCRIPTION | UNIT | ESTIMATED QUANTITY¹ |
|----------|------------------------------|----------|---------------------|
| 11 | ADDITION FOR ALTERNATE GAP 2 | LUMP SUM | 1 |
1. THE QUANTITIES SHOWN ARE FOR BID PURPOSES ONLY AND WERE CALCULATED ACCORDING TO CONDITIONS SURVEYED IN APRIL, 2015. THE OWNER RESERVES THE RIGHT TO ADJUST QUANTITIES 25% HIGHER OR LOWER WITHOUT ADJUSTMENT OF THE UNIT PRICE.

2. QUANTITY IS BASED ON THE EXCAVATED (CUT) VOLUME OF THE GAPS. PAYMENT QUANTITIES WILL BE BASED ON PROCESS SURVEYS OF THE GAPS.
-
- | | | | | | | | | | | | |
|------|------|-------------|----|--|--|---|--|-----------------|--|--|--|
| | | | | COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802 | | HYDROLOGIC RESTORATION AND VEGETATIVE PLANTING IN THE DES ALLEMANDS SWAMP | | GENERAL NOTES | | | |
| | | | | | | STATE PROJECT NUMBER: BA-34-2 | | | | | |
| | | | | | | FEDERAL PROJECT NUMBER: BA-34-2 | | | | | |
| REV. | DATE | DESCRIPTION | BY | DRAWN BY: K. CANTU | | DESIGNED BY: G. MATTSON, E.I. | | DATE: JUNE 2017 | | | |
| | | | | | | APPROVED BY: S. HAYNES, P.E. | | SHEET 2 OF 20 | | | |

SPOIL BANK GAP CENTERLINE COORDINATES				
SPOIL BANK GAP	BEGINNING (BAYOU)		ENDING (SWAMP)	
	NORTHING	EASTING	NORTHING	EASTING
1	512,293.69	3,474,091.45	512,590.01	3,474,356.63
2	511,778.05	3,474,585.22	512,056.28	3,474,872.60
3	510,625.79	3,477,277.33	511,025.76	3,477,286.74
ALT. 2	510,627.72	3,478,734.48	511,015.93	3,478,614.66
4	510,123.45	3,479,141.54	510,474.34	3,479,334.75
5	510,267.18	3,479,806.61	510,541.43	3,479,514.94
ALT. 1	510,810.50	3,480,607.31	511,191.80	3,480,467.43
6	510,725.16	3,482,284.76	511,080.31	3,482,465.54

ESTIMATED GAP EXCAVATION QUANTITIES		
SPOIL BANK GAP	VOLUME (CY)	AREA (ACRES)
1	1,679	0.6
2	1,447	0.6
3	1,532	0.6
4	1,869	0.6
5	1,539	0.6
6	1,422	0.6
ALT. 1	1,628	0.6
ALT. 2	585	0.6

AVAILABLE SPOIL PLACEMENT AREA QUANTITIES		
SPOIL DISPOSAL AREA	VOLUME (CY)	AREA (ACRES)
1	2,518	1.1
2	2,170	1.0
3	2,297	1.0
4	2,803	1.0
5	2,307	0.9
6	2,132	0.8
ALT. 1	2,442	0.9
ALT. 2	878	0.5



NOTE:
WORK AREAS CONTAIN APPROXIMATELY 150 TREES
PER ACRE OR 1,800 TREES TOTAL.



REV.	DATE	DESCRIPTION	BY

COASTAL PROTECTION AND
RESTORATION AUTHORITY

150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

DRAWN BY: K. CANTU

DESIGNED BY: G. MATTSON, E.I.

HYDROLOGIC RESTORATION AND
VEGETATIVE PLANTING IN THE
DES ALLEMANDS SWAMP

STATE PROJECT NUMBER: BA-34-2

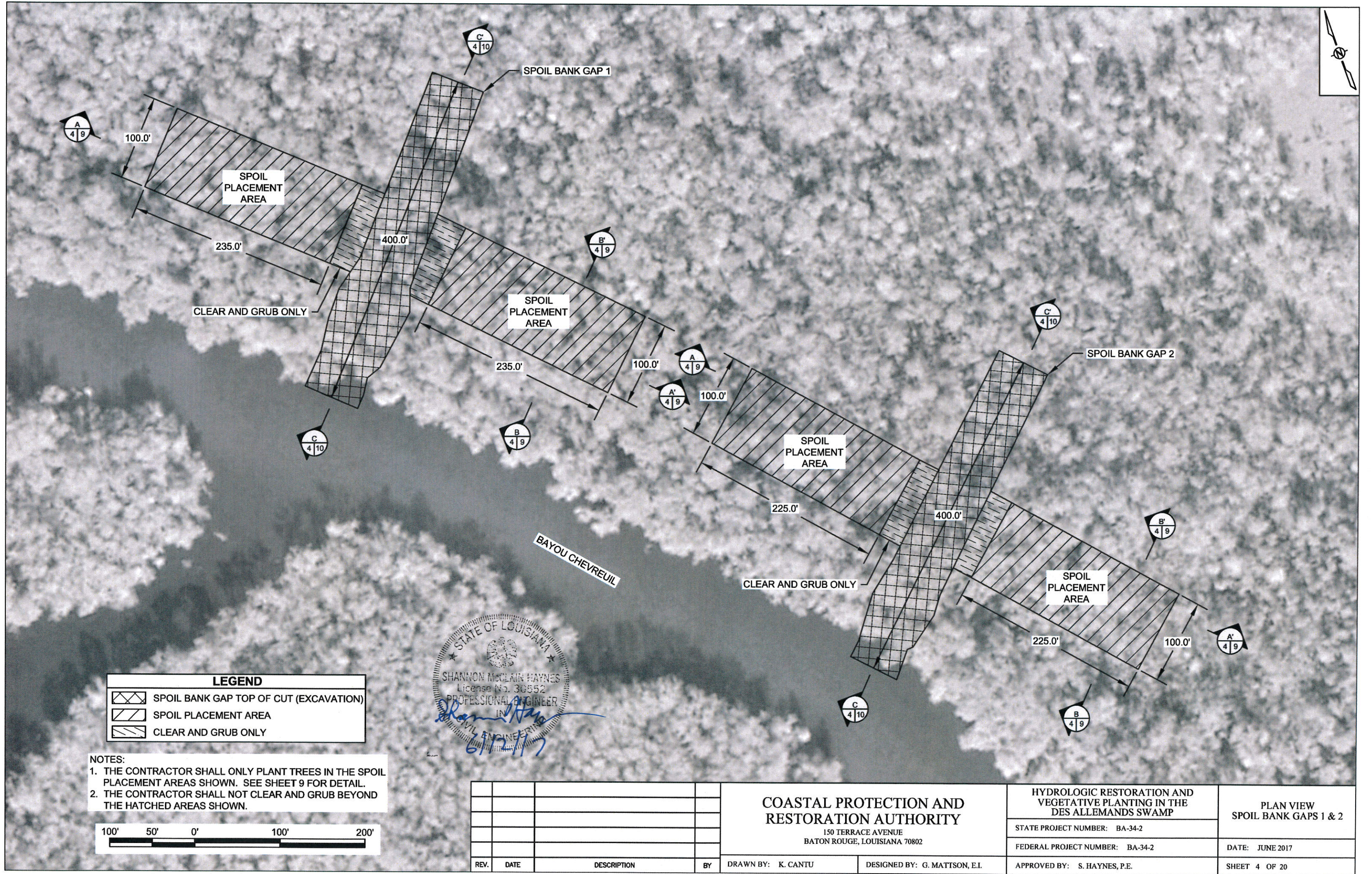
FEDERAL PROJECT NUMBER: BA-34-2

APPROVED BY: S. HAYNES, P.E.

PROJECT LAYOUT

DATE: JUNE 2017

SHEET 3 OF 20

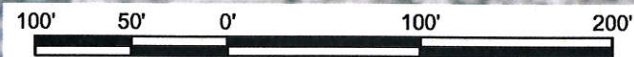


LEGEND

	SPOIL BANK GAP TOP OF CUT (EXCAVATION)
	SPOIL PLACEMENT AREA
	CLEAR AND GRUB ONLY

NOTES:

1. THE CONTRACTOR SHALL ONLY PLANT TREES IN THE SPOIL PLACEMENT AREAS SHOWN. SEE SHEET 9 FOR DETAIL.
2. THE CONTRACTOR SHALL NOT CLEAR AND GRUB BEYOND THE HATCHED AREAS SHOWN.



REV.	DATE	DESCRIPTION	BY

COASTAL PROTECTION AND RESTORATION AUTHORITY

150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

DRAWN BY: K. CANTU

DESIGNED BY: G. MATTSON, E.I.

HYDROLOGIC RESTORATION AND VEGETATIVE PLANTING IN THE DES ALLEMANDS SWAMP

STATE PROJECT NUMBER: BA-34-2

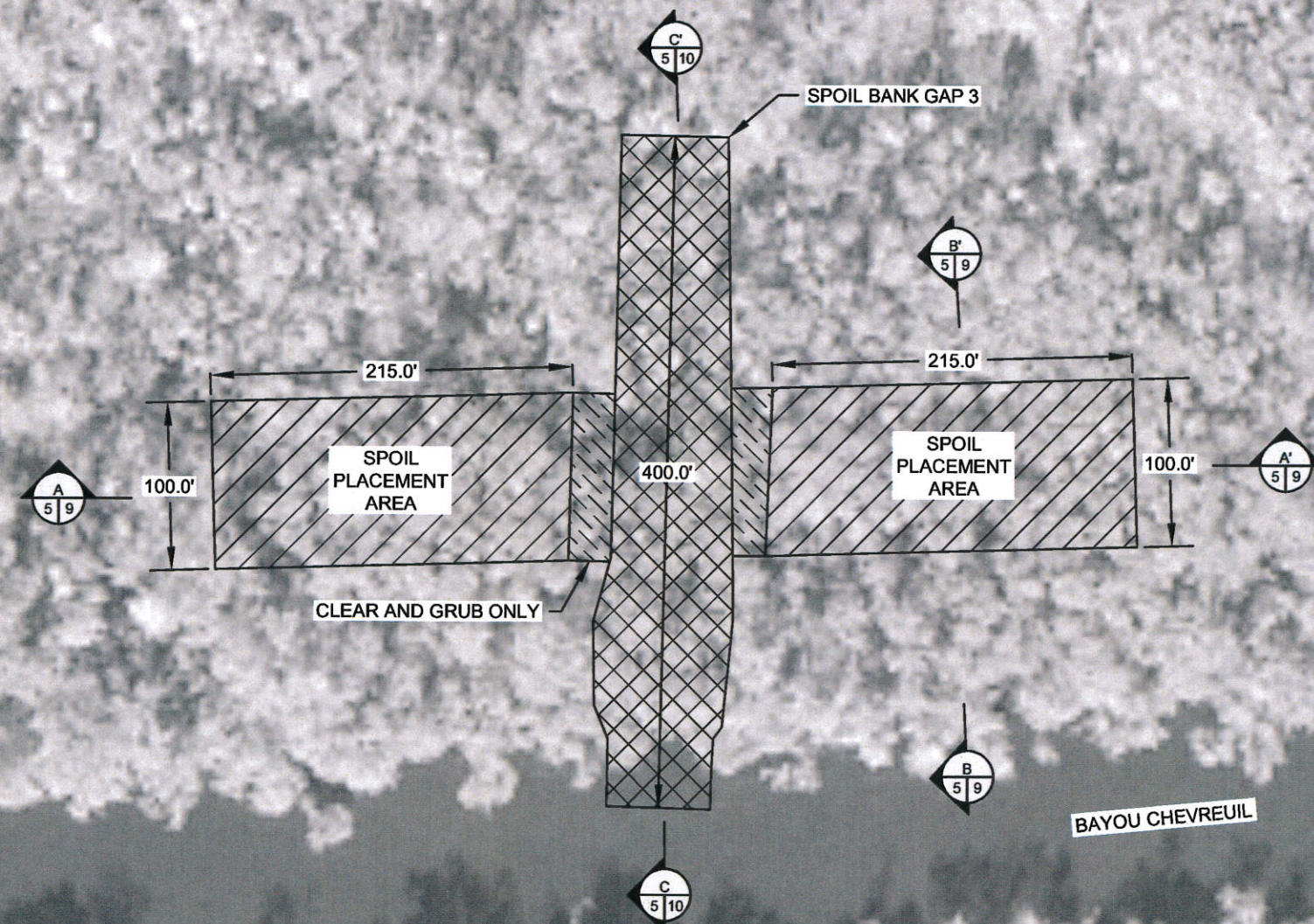
FEDERAL PROJECT NUMBER: BA-34-2

APPROVED BY: S. HAYNES, P.E.

**PLAN VIEW
SPOIL BANK GAPS 1 & 2**

DATE: JUNE 2017

SHEET 4 OF 20

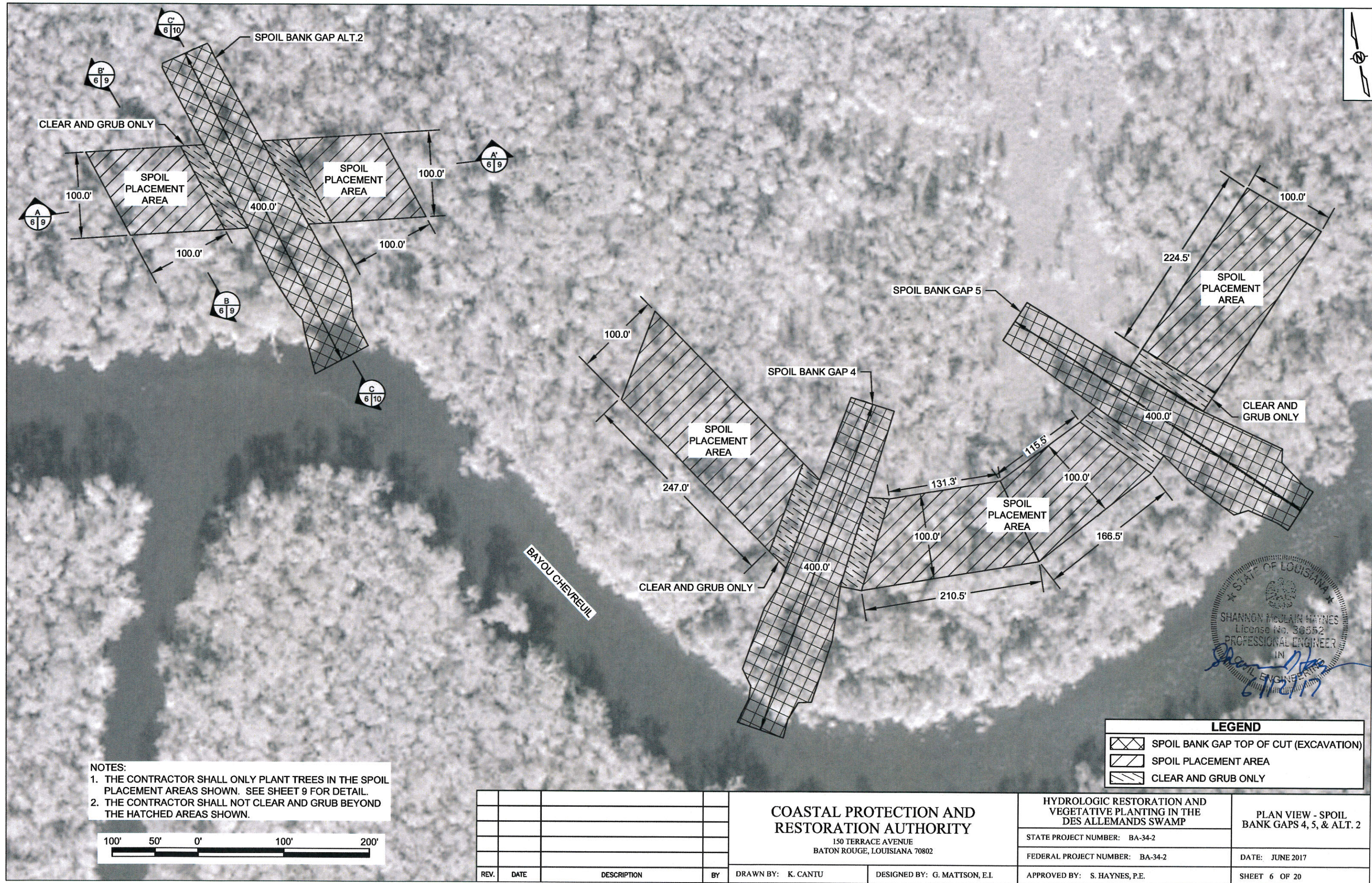


- NOTES:
1. THE CONTRACTOR SHALL ONLY PLANT TREES IN THE SPOIL PLACEMENT AREAS SHOWN. SEE SHEET 9 FOR DETAIL.
 2. THE CONTRACTOR SHALL NOT CLEAR AND GRUB BEYOND THE HATCHED AREAS SHOWN.

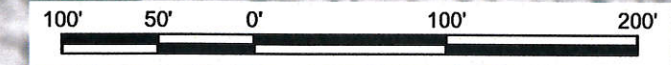


LEGEND	
	SPOIL BANK GAP TOP OF CUT (EXCAVATION)
	SPOIL PLACEMENT AREA
	CLEAR AND GRUB ONLY

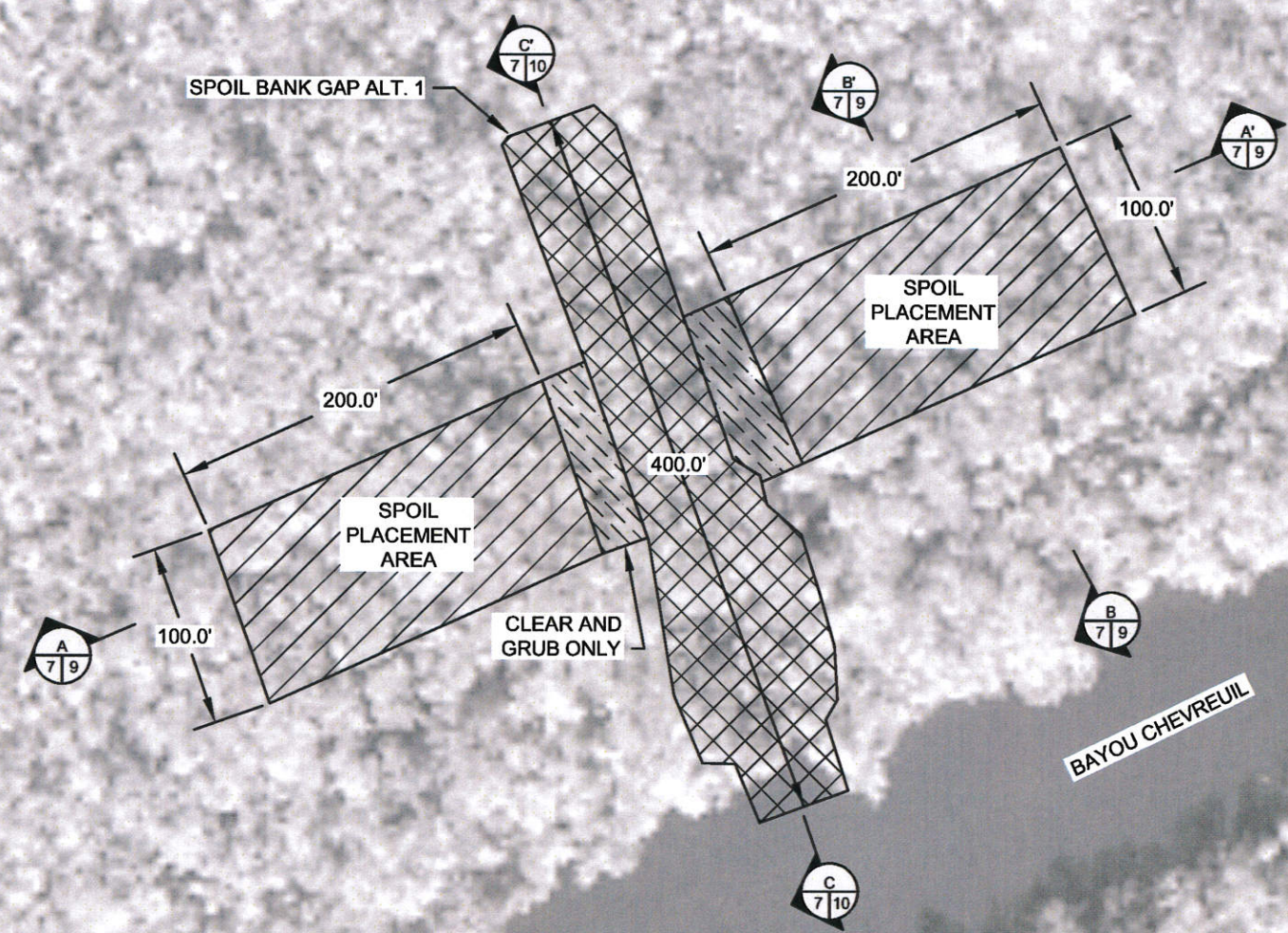
				COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802		HYDROLOGIC RESTORATION AND VEGETATIVE PLANTING IN THE DES ALLEMANS SWAMP		PLAN VIEW SPOIL BANK GAP 3	
						STATE PROJECT NUMBER: BA-34-2		DATE: JUNE 2017	
						FEDERAL PROJECT NUMBER: BA-34-2		SHEET 5 OF 20	
REV.	DATE	DESCRIPTION	BY	DRAWN BY: K. CANTU	DESIGNED BY: G. MATTSON, E.I.	APPROVED BY: S. HAYNES, P.E.			



NOTES:
1. THE CONTRACTOR SHALL ONLY PLANT TREES IN THE SPOIL PLACEMENT AREAS SHOWN. SEE SHEET 9 FOR DETAIL.
2. THE CONTRACTOR SHALL NOT CLEAR AND GRUB BEYOND THE HATCHED AREAS SHOWN.

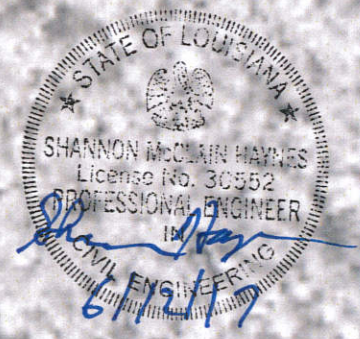


				COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802	HYDROLOGIC RESTORATION AND VEGETATIVE PLANTING IN THE DES ALLEMANDS SWAMP		PLAN VIEW - SPOIL BANK GAPS 4, 5, & ALT. 2
					STATE PROJECT NUMBER: BA-34-2		
					FEDERAL PROJECT NUMBER: BA-34-2		DATE: JUNE 2017
					APPROVED BY: S. HAYNES, P.E.		SHEET 6 OF 20
REV.	DATE	DESCRIPTION	BY		DRAWN BY: K. CANTU	DESIGNED BY: G. MATTSON, E.I.	



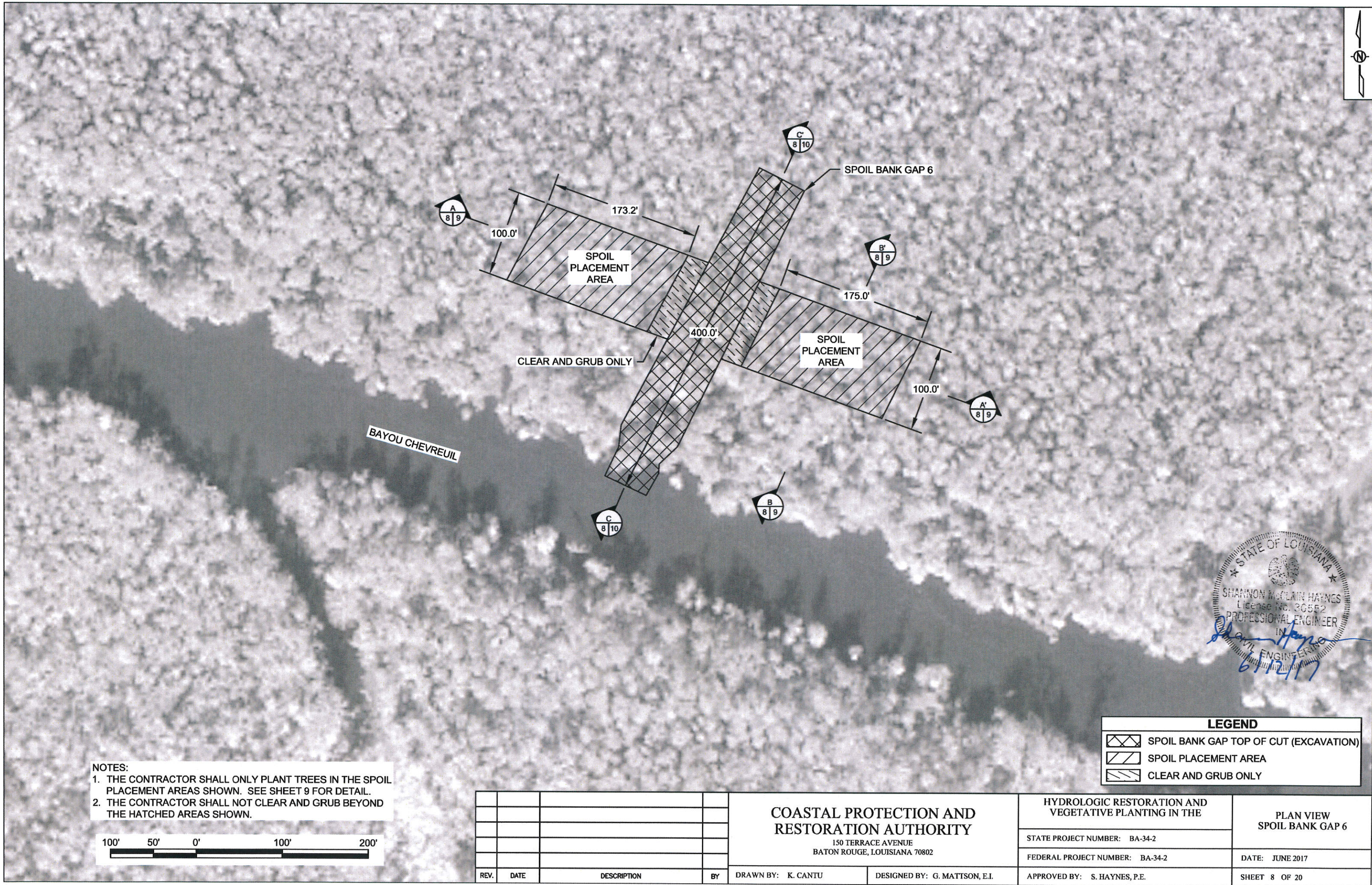
SPOIL BANK GAP 5
SPOIL PLACEMENT AREA

- NOTES:
1. THE CONTRACTOR SHALL ONLY PLANT TREES IN THE SPOIL PLACEMENT AREAS SHOWN. SEE SHEET 9 FOR DETAIL.
 2. THE CONTRACTOR SHALL NOT CLEAR AND GRUB BEYOND THE HATCHED AREAS SHOWN.



LEGEND	
	SPOIL BANK GAP TOP OF CUT (EXCAVATION)
	SPOIL PLACEMENT AREA
	CLEAR AND GRUB ONLY

				COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802		HYDROLOGIC RESTORATION AND VEGETATIVE PLANTING IN THE DES ALLEMANS SWAMP		PLAN VIEW SPOIL BANK GAP ALT. 1	
						STATE PROJECT NUMBER: BA-34-2		DATE: JUNE 2017	
						FEDERAL PROJECT NUMBER: BA-34-2		SHEET 7 OF 20	
REV.	DATE	DESCRIPTION	BY	DRAWN BY: K. CANTU	DESIGNED BY: G. MATTSO, E.I.	APPROVED BY: S. HAYNES, P.E.			

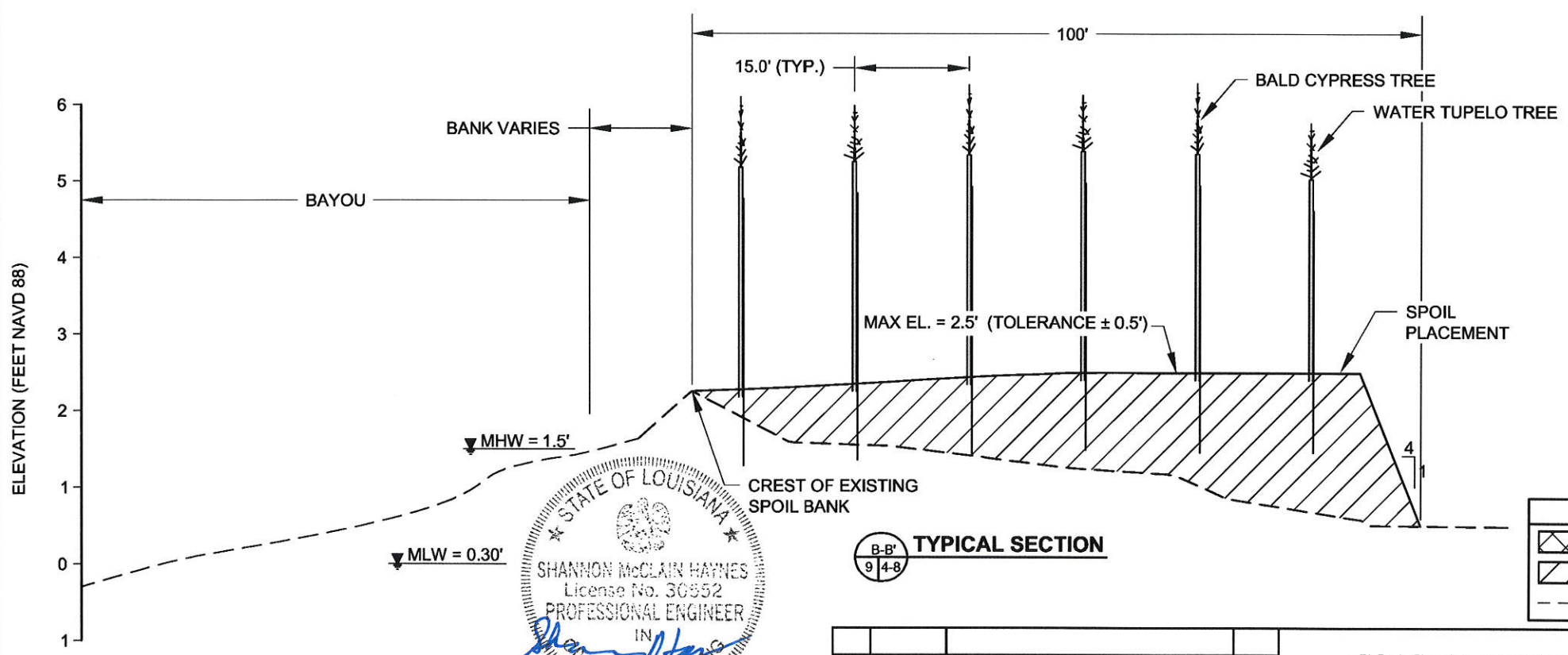
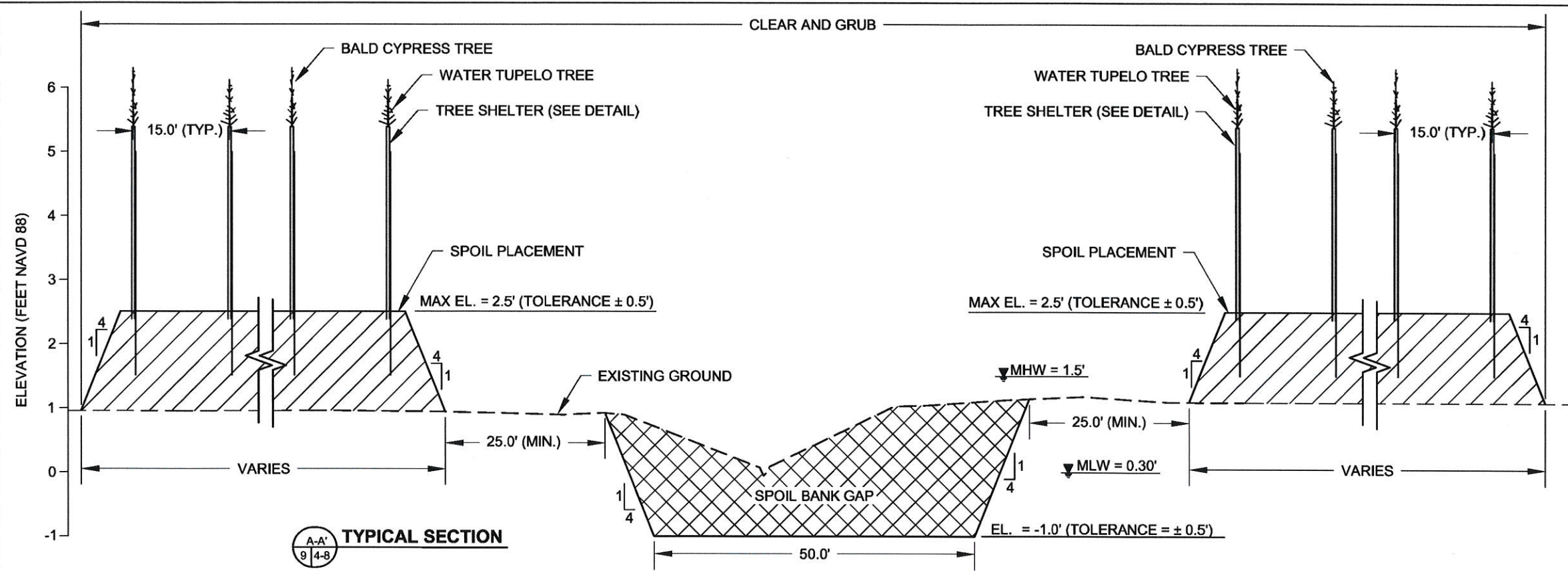


NOTES:
1. THE CONTRACTOR SHALL ONLY PLANT TREES IN THE SPOIL PLACEMENT AREAS SHOWN. SEE SHEET 9 FOR DETAIL.
2. THE CONTRACTOR SHALL NOT CLEAR AND GRUB BEYOND THE HATCHED AREAS SHOWN.



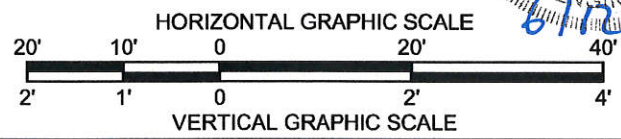
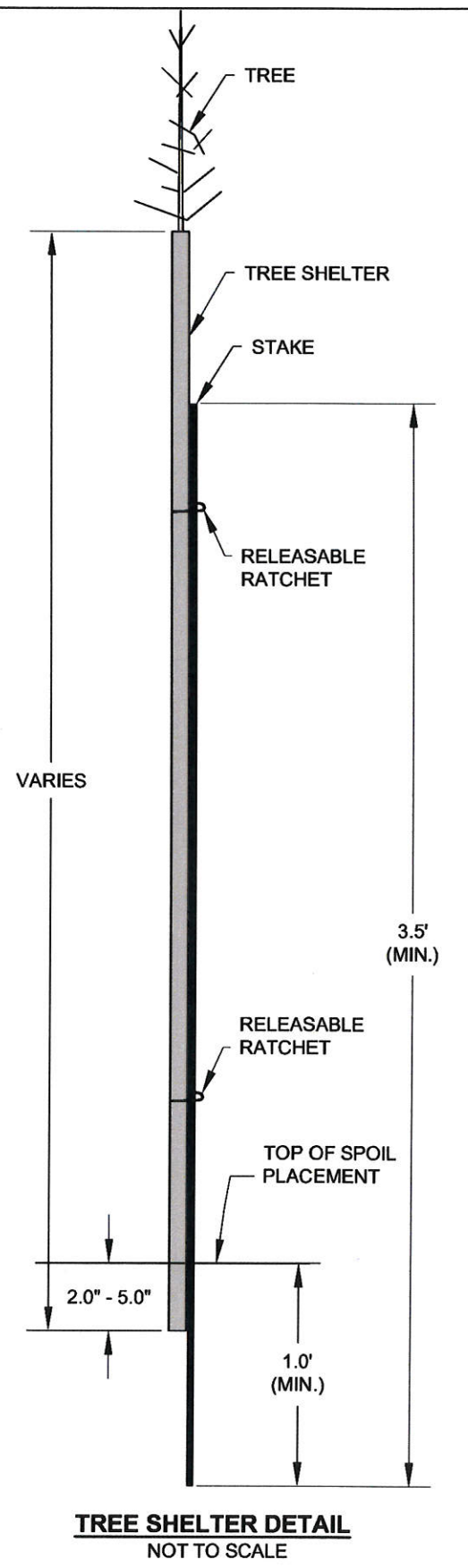
LEGEND		
	SPOIL BANK GAP TOP OF CUT (EXCAVATION)	
	SPOIL PLACEMENT AREA	
	CLEAR AND GRUB ONLY	

				COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802	HYDROLOGIC RESTORATION AND VEGETATIVE PLANTING IN THE		PLAN VIEW SPOIL BANK GAP 6
					STATE PROJECT NUMBER: BA-34-2		
					FEDERAL PROJECT NUMBER: BA-34-2		DATE: JUNE 2017
					APPROVED BY: S. HAYNES, P.E.		SHEET 8 OF 20
REV.	DATE	DESCRIPTION	BY		DRAWN BY: K. CANTU	DESIGNED BY: G. MATTSON, E.I.	



- NOTES:**
1. BALD CYPRESS AND WATER TUPELO TREE PLANTINGS SHALL ALTERNATE AND BE PLACED ON 15 FT. ON 15 FT. CENTERS.
 2. SPOIL SHALL BE PLACED BEHIND EXISTING SPOIL BANK.
 3. TREE SHELTERS SHALL BE CUT IN FIELD TO MATCH TREE HEIGHT.

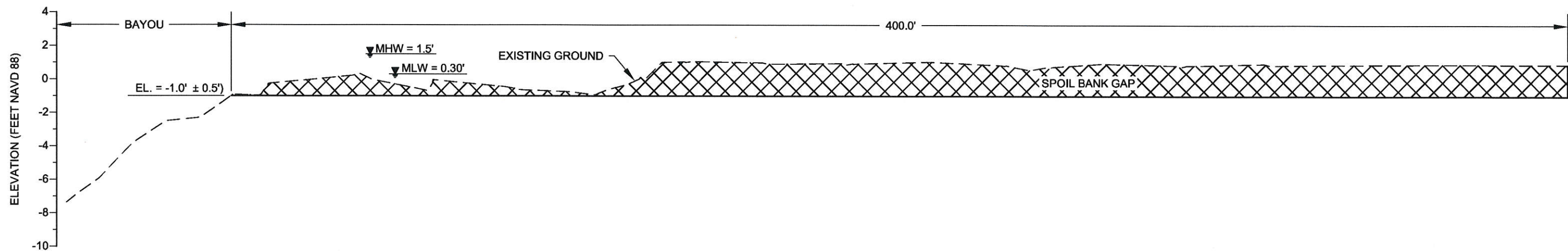
LEGEND	
	SPOIL BANK GAP (EXCAVATION)
	SPOIL PLACEMENT
	EXISTING GROUND



STATE OF LOUISIANA
SHANNON McCLAIN HAYNES
License No. 30852
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

REV.	DATE	DESCRIPTION	BY

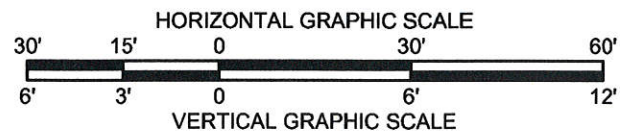
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		STATE PROJECT NUMBER: BA-34-2	TYPICAL SECTIONS AND TREE SHELTER DETAIL
DRAWN BY: K. CANTU		FEDERAL PROJECT NUMBER: BA-34-2	DATE: JUNE 2017
DESIGNED BY: G. MATTSON, E.I.		APPROVED BY: S. HAYNES, P.E.	SHEET 9 OF 20



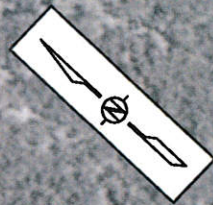
C-C
10/4-8
TYPICAL PROFILE



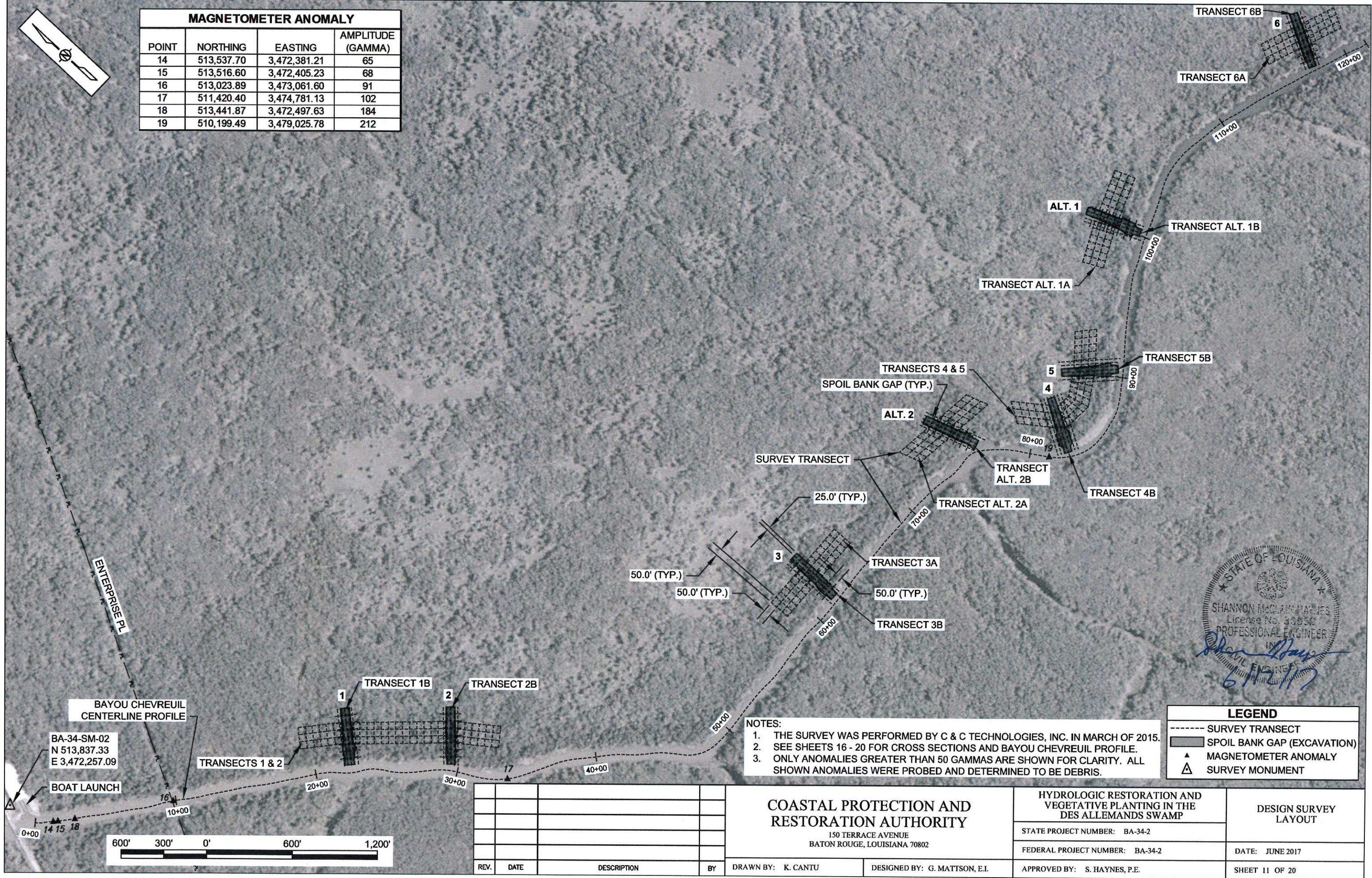
LEGEND	
	SPOIL BANK GAP (EXCAVATION)
	EXISTING GROUND



				COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802	HYDROLOGIC RESTORATION AND VEGETATIVE PLANTING IN THE DES ALLEMANDS SWAMP		TYPICAL PROFILE	
					STATE PROJECT NUMBER: BA-34-2			
					FEDERAL PROJECT NUMBER: BA-34-2		DATE: JUNE 2017	
REV.	DATE	DESCRIPTION	BY		DRAWN BY: K. CANTU	DESIGNED BY: G. MATTSON, E.I.	APPROVED BY: S. HAYNES, P.E.	SHEET 10 OF 20



MAGNETOMETER ANOMALY			
POINT	NORTHING	EASTING	AMPLITUDE (GAMMA)
14	513,537.70	3,472,381.21	65
15	513,516.60	3,472,405.23	68
16	513,023.89	3,473,061.60	91
17	511,420.40	3,474,781.13	102
18	513,441.87	3,472,497.63	184
19	510,199.49	3,479,025.78	212



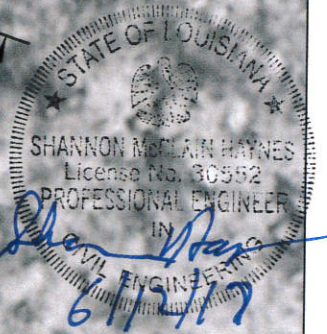
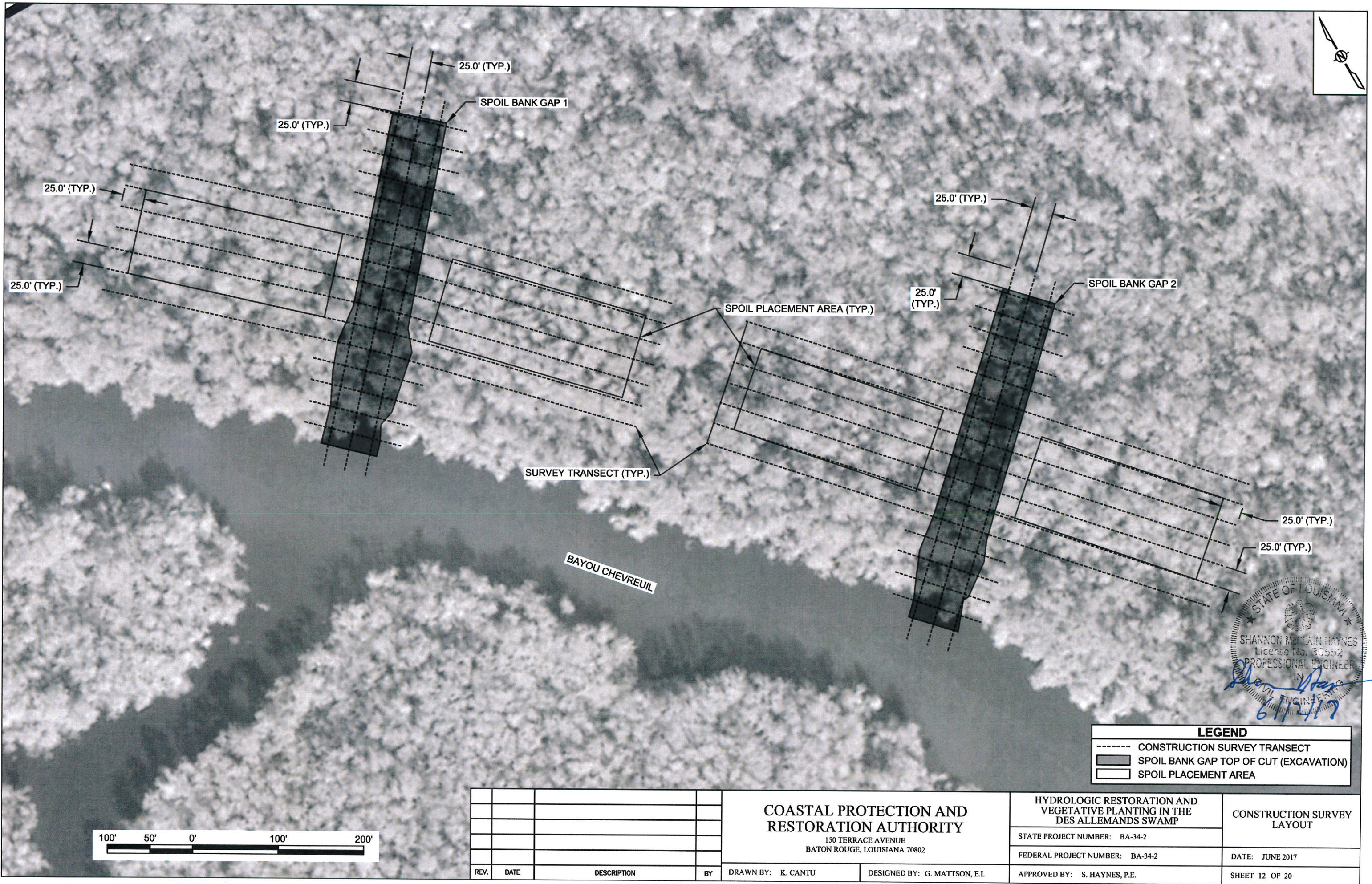
STATE OF LOUISIANA
SHANNON MCCLAIN HAYNES
License No. 30050
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/12/17

LEGEND	
---	SURVEY TRANSECT
▬	SPOIL BANK GAP (EXCAVATION)
▲	MAGNETOMETER ANOMALY
△	SURVEY MONUMENT

- NOTES:
1. THE SURVEY WAS PERFORMED BY C & C TECHNOLOGIES, INC. IN MARCH OF 2015.
 2. SEE SHEETS 16 - 20 FOR CROSS SECTIONS AND BAYOU CHEVREUIL PROFILE.
 3. ONLY ANOMALIES GREATER THAN 50 GAMMAS ARE SHOWN FOR CLARITY. ALL SHOWN ANOMALIES WERE PROBED AND DETERMINED TO BE DEBRIS.

REV.	DATE	DESCRIPTION	BY

COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802		HYDROLOGIC RESTORATION AND VEGETATIVE PLANTING IN THE DES ALLEMANDS SWAMP	DESIGN SURVEY LAYOUT
		STATE PROJECT NUMBER: BA-34-2	
		FEDERAL PROJECT NUMBER: BA-34-2	DATE: JUNE 2017
DRAWN BY: K. CANTU	DESIGNED BY: G. MATTSON, E.I.	APPROVED BY: S. HAYNES, P.E.	SHEET 11 OF 20

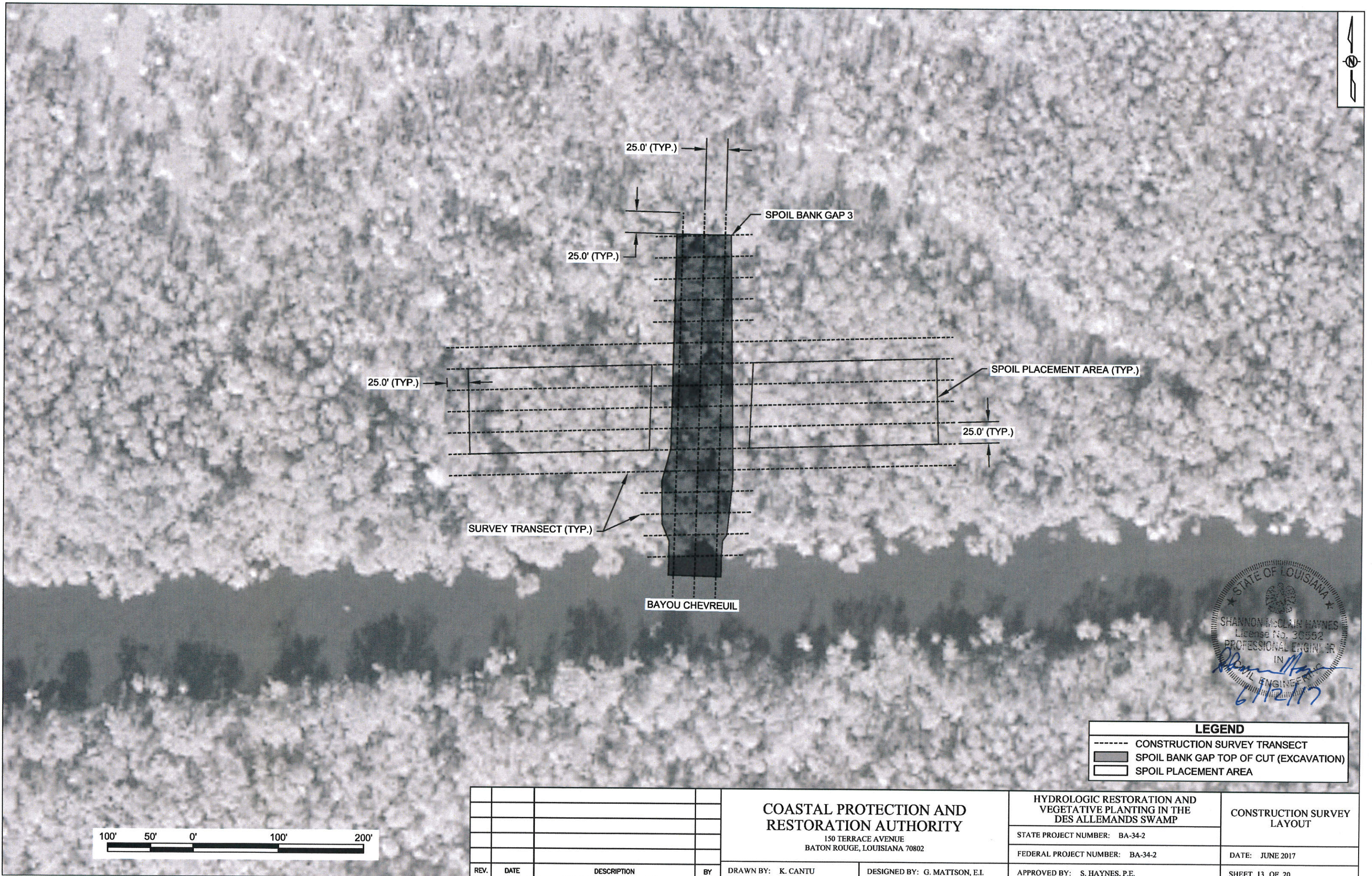
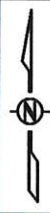


LEGEND	
	CONSTRUCTION SURVEY TRANSECT
	SPOIL BANK GAP TOP OF CUT (EXCAVATION)
	SPOIL PLACEMENT AREA



REV.	DATE	DESCRIPTION	BY

COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802		HYDROLOGIC RESTORATION AND VEGETATIVE PLANTING IN THE DES ALLEMANDS SWAMP	CONSTRUCTION SURVEY LAYOUT
		STATE PROJECT NUMBER: BA-34-2	
DRAWN BY: K. CANTU		FEDERAL PROJECT NUMBER: BA-34-2	DATE: JUNE 2017
DESIGNED BY: G. MATTSON, E.I.		APPROVED BY: S. HAYNES, P.E.	SHEET 12 OF 20



STATE OF LOUISIANA
SHANNON MCCLAIN HAYNES
License No. 30552
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/12/17

LEGEND

- CONSTRUCTION SURVEY TRANSECT
- SPOIL BANK GAP TOP OF CUT (EXCAVATION)
- SPOIL PLACEMENT AREA

COASTAL PROTECTION AND RESTORATION AUTHORITY

150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

HYDROLOGIC RESTORATION AND VEGETATIVE PLANTING IN THE DES ALLEMANDS SWAMP

STATE PROJECT NUMBER: BA-34-2

FEDERAL PROJECT NUMBER: BA-34-2

APPROVED BY: S. HAYNES, P.E.

CONSTRUCTION SURVEY LAYOUT

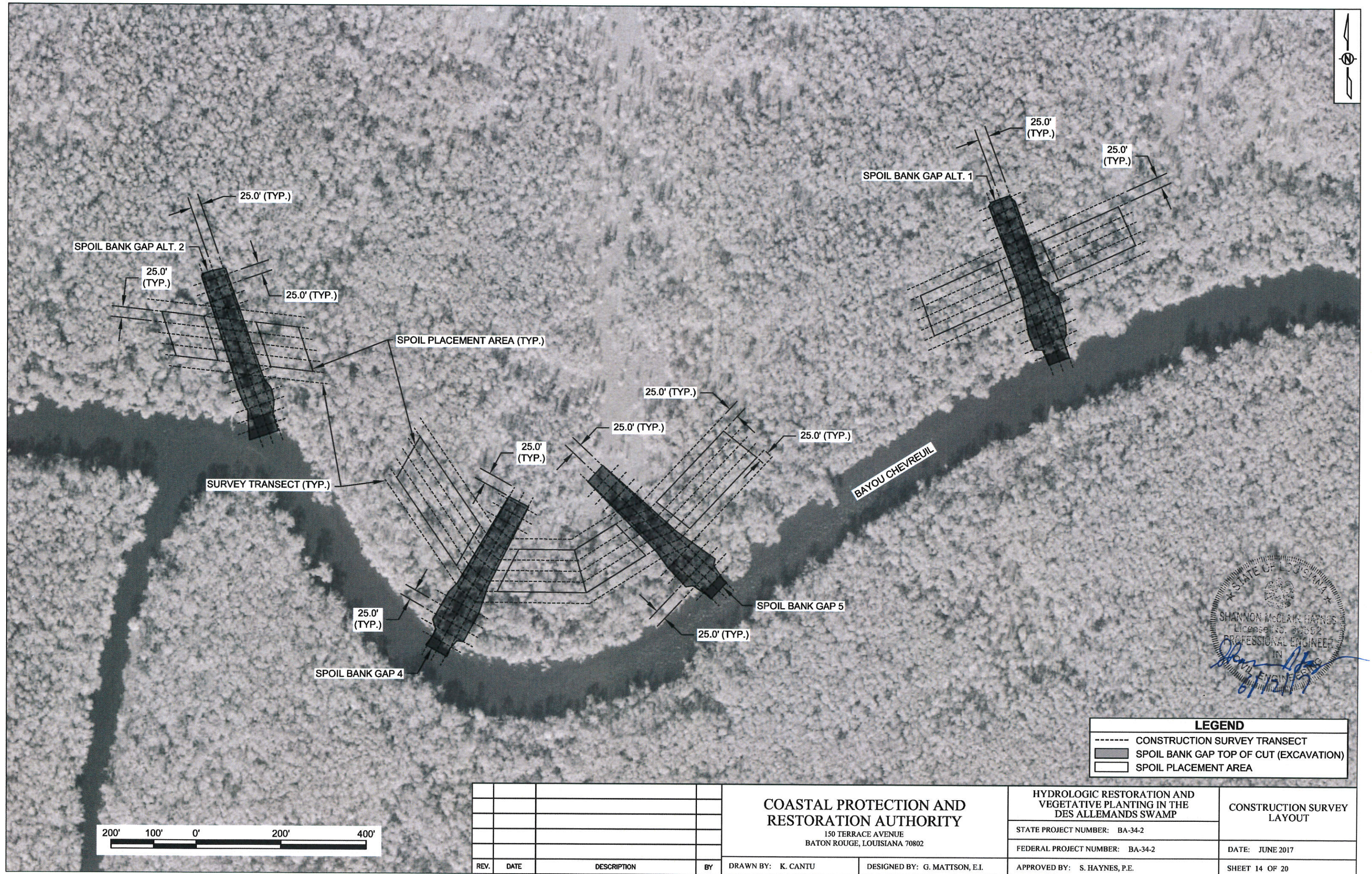
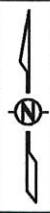
DATE: JUNE 2017

SHEET 13 OF 20

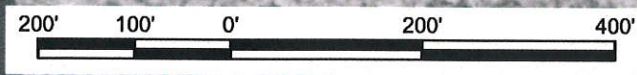
REV.	DATE	DESCRIPTION	BY

DRAWN BY: K. CANTU

DESIGNED BY: G. MATTSO, E.I.



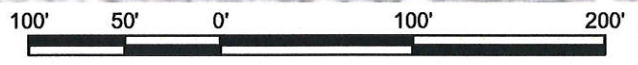
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	CONSTRUCTION SURVEY TRANSECT	
	SPOIL BANK GAP TOP OF CUT (EXCAVATION)	
	SPOIL PLACEMENT AREA	



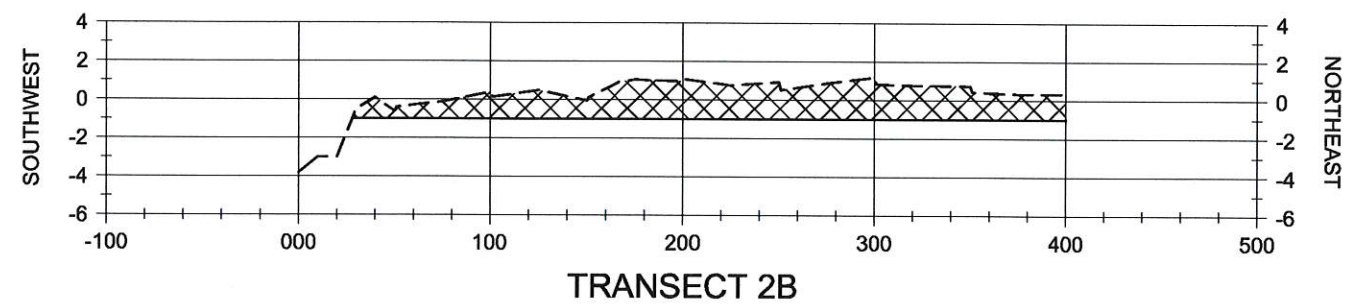
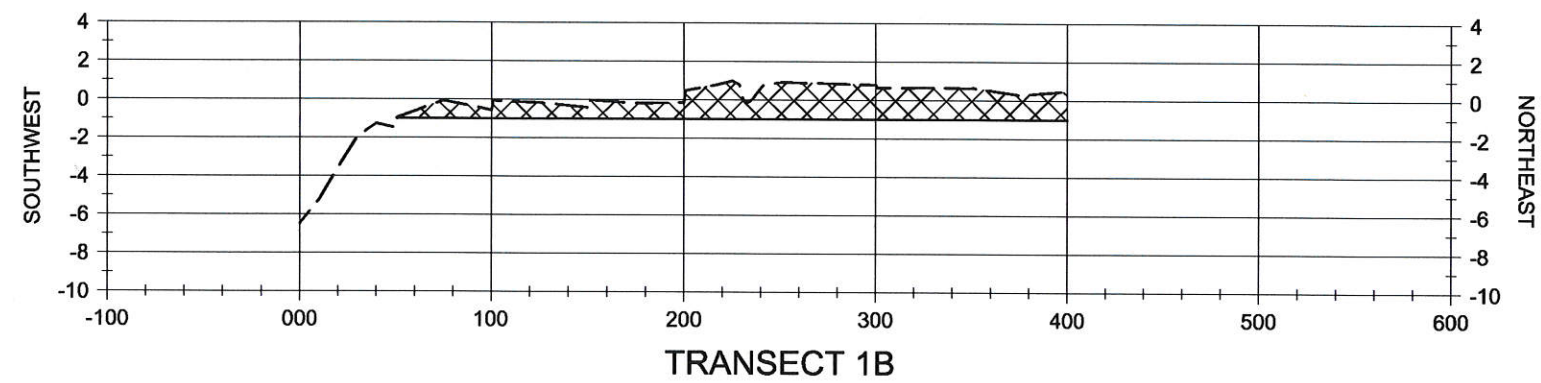
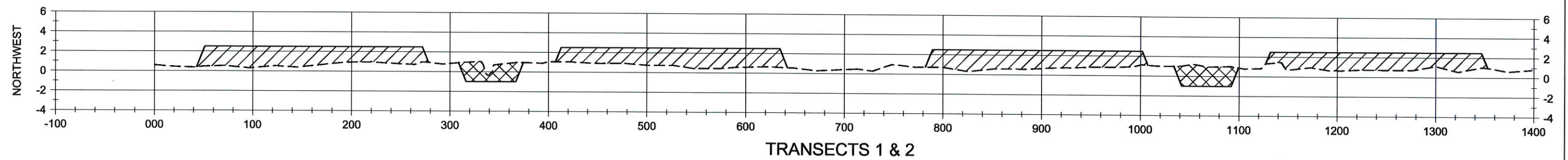
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						STATE PROJECT NUMBER: BA-34-2		
						FEDERAL PROJECT NUMBER: BA-34-2		DATE: JUNE 2017
REV.	DATE	DESCRIPTION	BY			DRAWN BY: K. CANTU	DESIGNED BY: G. MATTSO, E.I.	APPROVED BY: S. HAYNES, P.E.



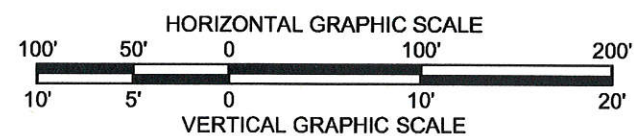
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-----	CONSTRUCTION SURVEY TRANSECT
■	SPOIL BANK GAP TOP OF CUT (EXCAVATION)
□	SPOIL PLACEMENT AREA



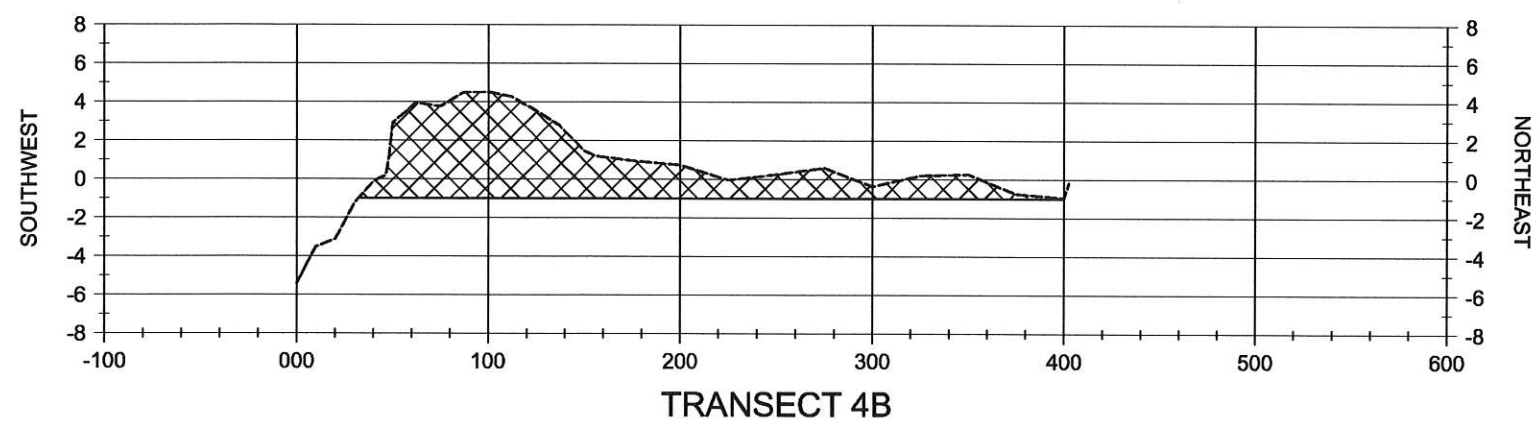
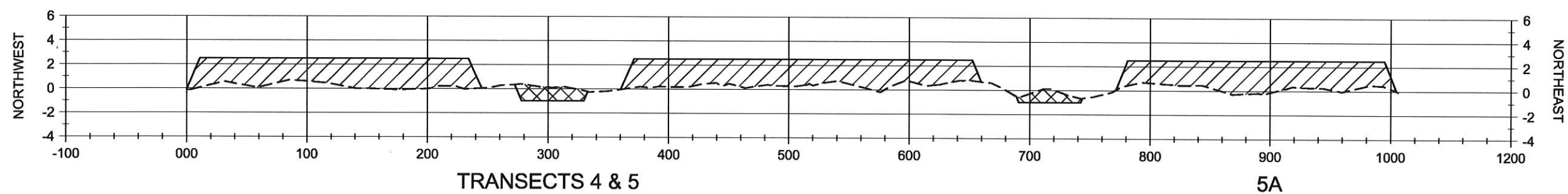
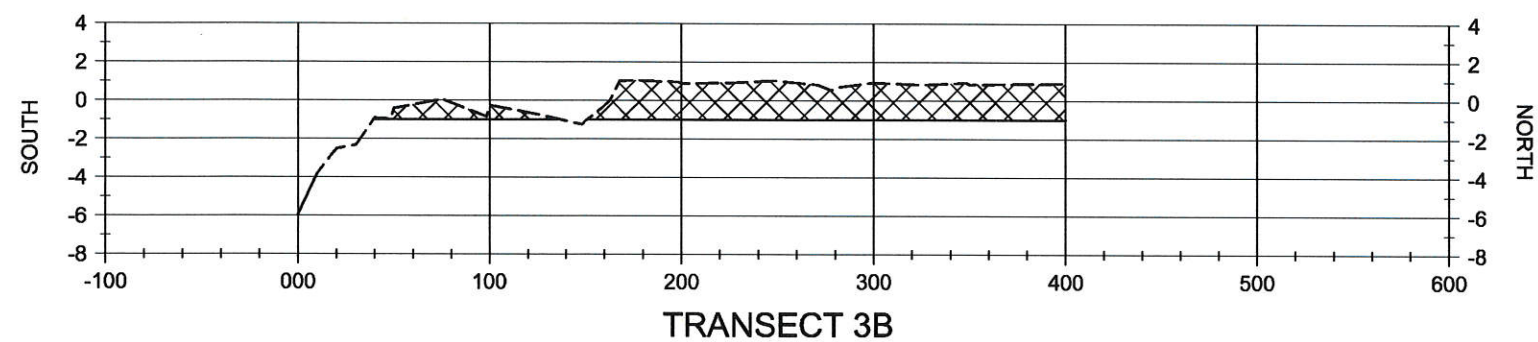
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					FEDERAL PROJECT NUMBER: BA-34-2		DATE: JUNE 2017
REV.	DATE	DESCRIPTION	BY		DRAWN BY: K. CANTU	DESIGNED BY: G. MATTSON, E.I.	APPROVED BY: S. HAYNES, P.E.



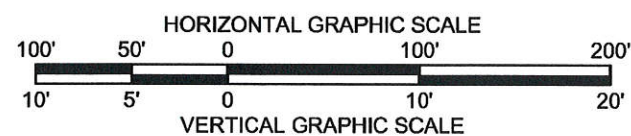
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	SPOIL BANK GAP
	SPOIL PLACEMENT AREA (EXCAVATION)
-----	EXISTING GROUND



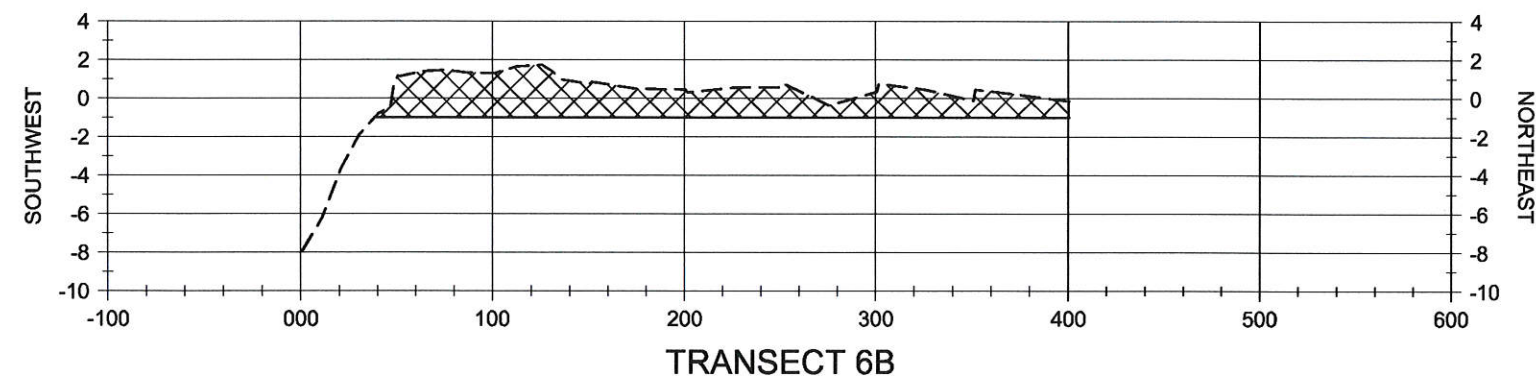
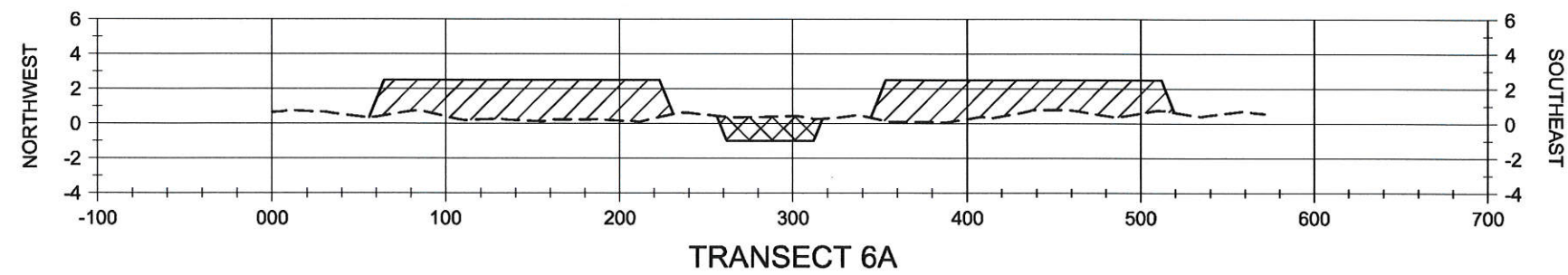
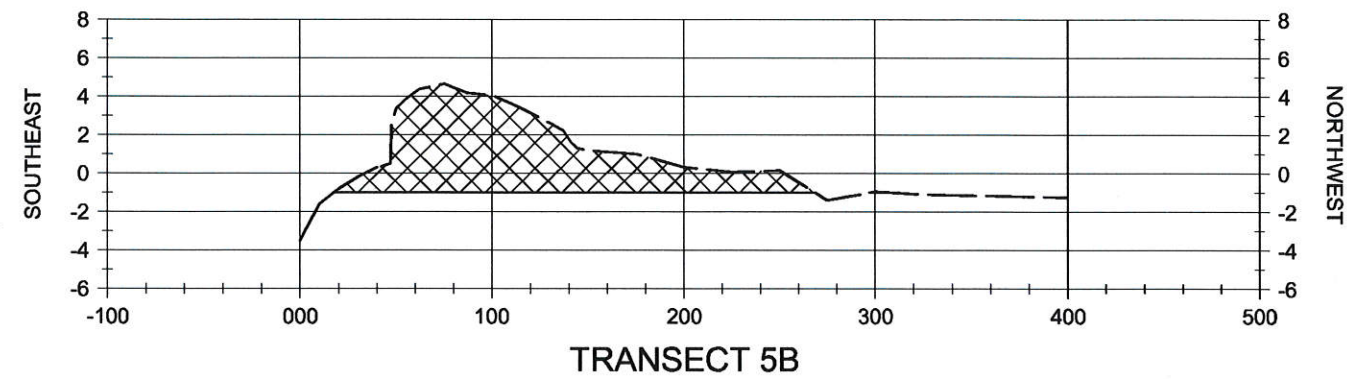
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					STATE PROJECT NUMBER: BA-34-2		
					FEDERAL PROJECT NUMBER: BA-34-2		
					DATE: JUNE 2017		
REV.	DATE	DESCRIPTION	BY		DRAWN BY: K. CANTU	DESIGNED BY: G. MATTSO, E.I.	APPROVED BY: S. HAYNES, P.E.



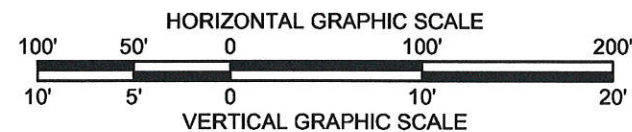
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	SPOIL PLACEMENT AREA (EXCAVATION)
-----	EXISTING GROUND



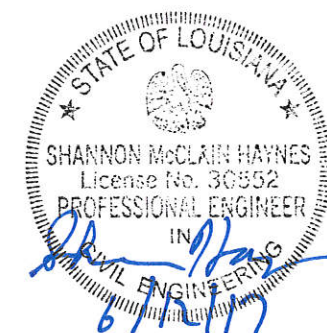
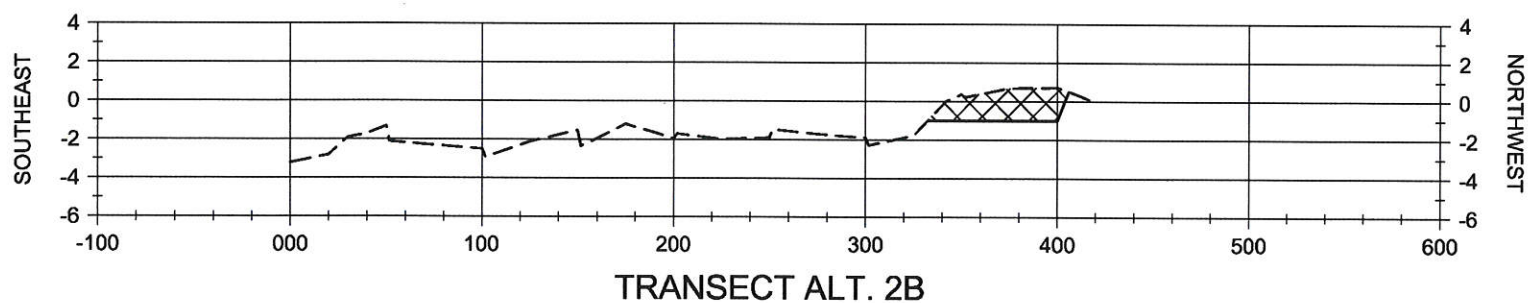
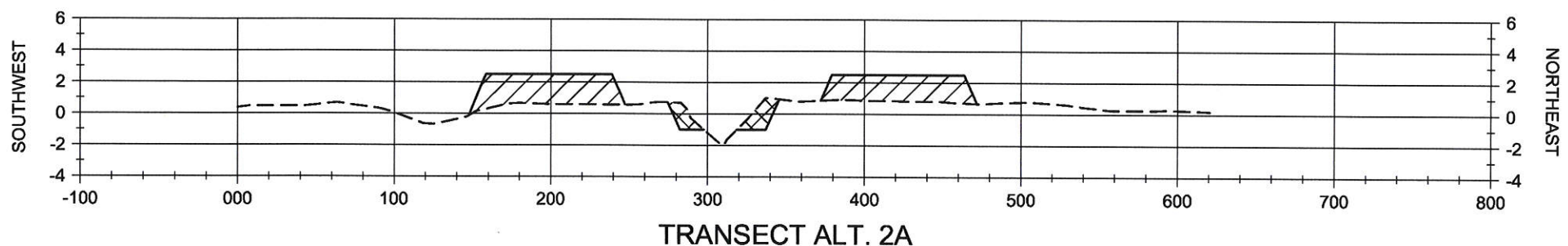
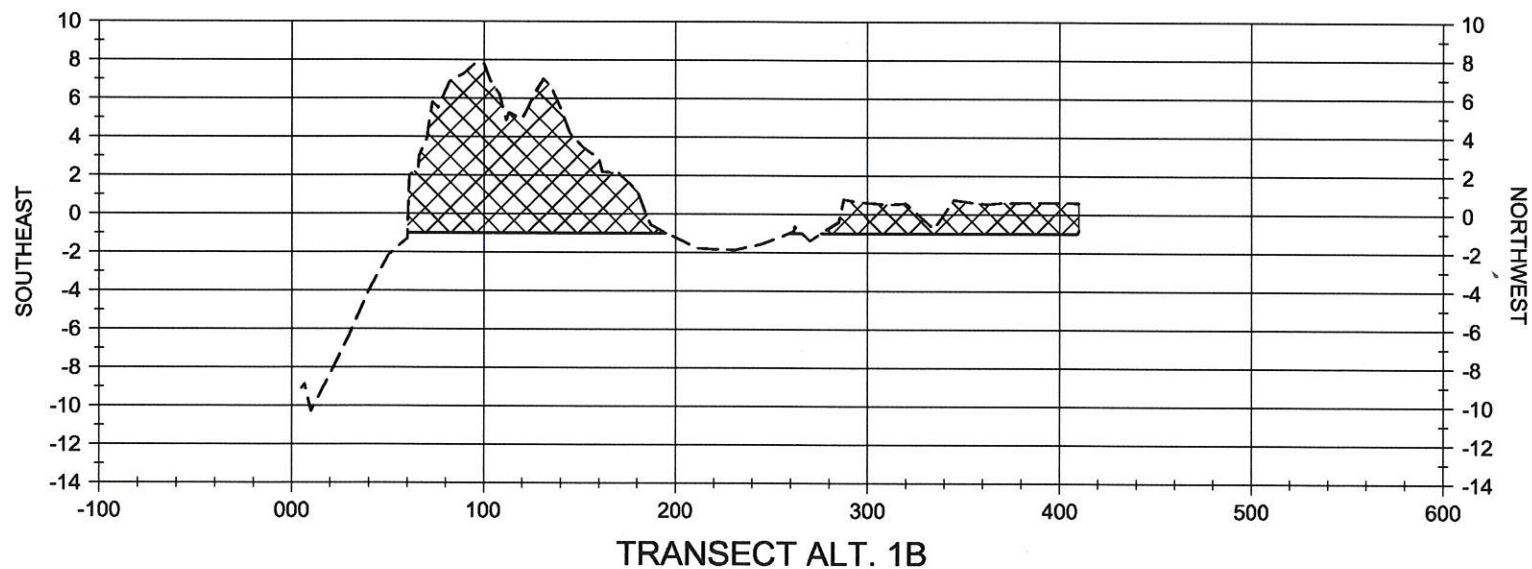
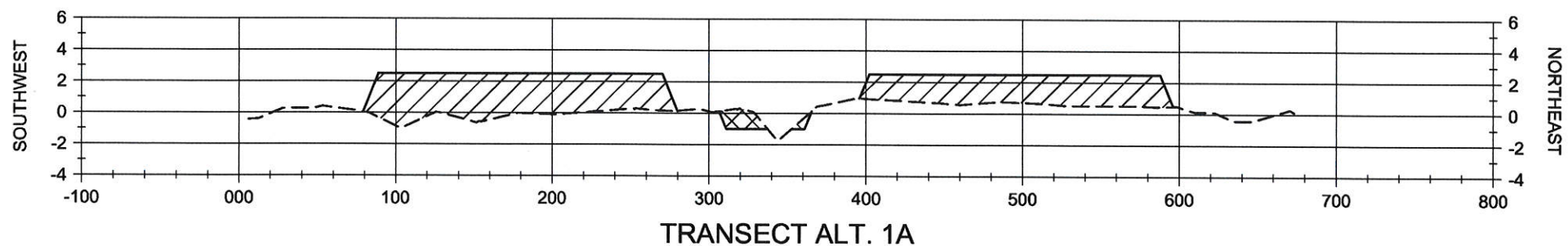
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					STATE PROJECT NUMBER: BA-34-2		
					FEDERAL PROJECT NUMBER: BA-34-2		
					DATE: JUNE 2017		
REV.	DATE	DESCRIPTION	BY	DRAWN BY: K. CANTU	DESIGNED BY: G. MATTSON, E.I.	APPROVED BY: S. HAYNES, P.E.	SHEET 17 OF 20



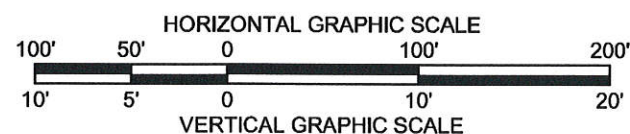
LEGEND	
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	SPOIL PLACEMENT AREA (EXCAVATION)
	EXISTING GROUND



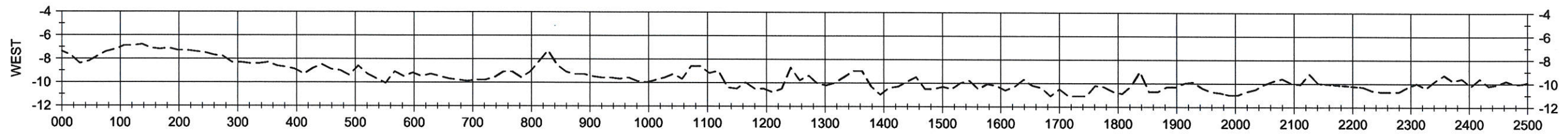
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						STATE PROJECT NUMBER: BA-34-2		
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								DATE: JUNE 2017
REV.	DATE	DESCRIPTION	BY			DRAWN BY: K. CANTU	DESIGNED BY: G. MATTSON, E.I.	APPROVED BY: S. HAYNES, P.E.



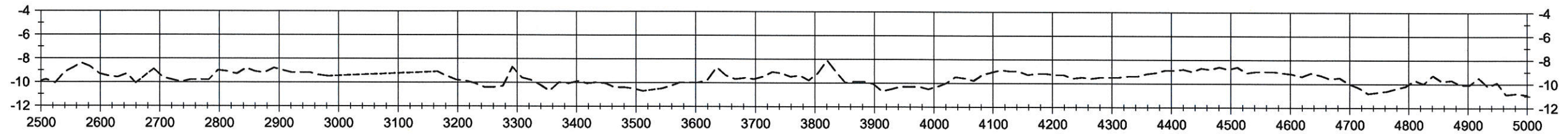
LEGEND	
	SPOIL BANK GAP
	SPOIL PLACEMENT AREA (EXCAVATION)
	EXISTING GROUND



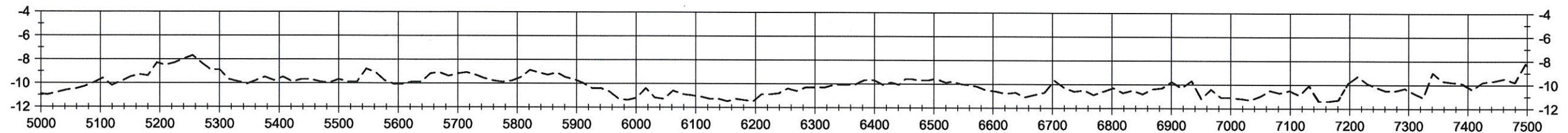
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REV.	DATE	DESCRIPTION	BY		DRAWN BY: K. CANTU	DESIGNED BY: G. MATTSON, E.I.	APPROVED BY: S. HAYNES, P.E.	SHEET 19 OF 20



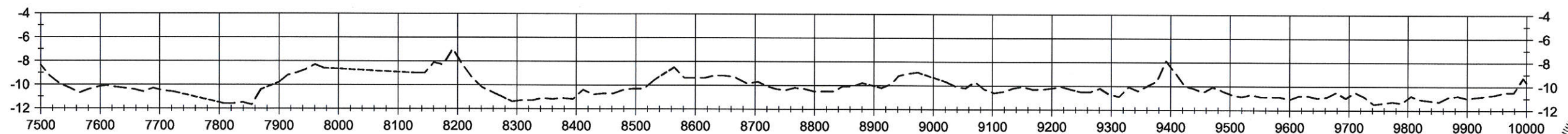
BAYOU CHEVREUIL CENTER LINE PROFILE



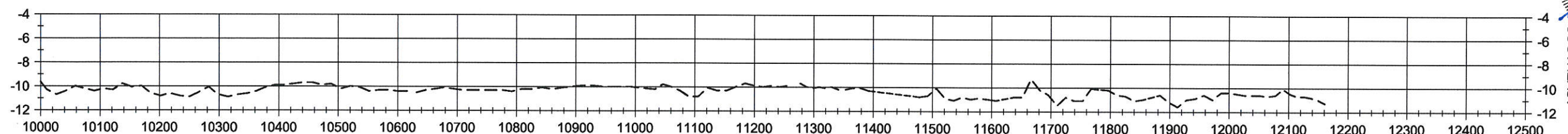
BAYOU CHEVREUIL CENTER LINE PROFILE



BAYOU CHEVREUIL CENTER LINE PROFILE



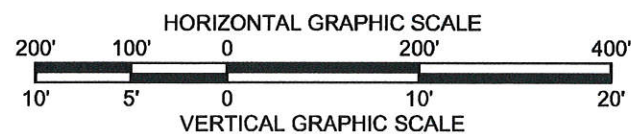
BAYOU CHEVREUIL CENTER LINE PROFILE



BAYOU CHEVREUIL CENTER LINE PROFILE



LEGEND	
-----	EXISTING WATER BOTTOM



				COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802		HYDROLOGIC RESTORATION AND VEGETATIVE PLANTING IN THE DES ALLEMANDS SWAMP		BAYOU PROFILE	
						STATE PROJECT NUMBER: BA-34-2			
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REV.	DATE	DESCRIPTION	BY			DRAWN BY: K. CANTU	DESIGNED BY: G. MATTSON, E.I.	APPROVED BY: S. HAYNES, P.E.	SHEET 20 OF 20