

UNDERGROUND STORAGE TANK CLOSURE/ASSESSMENT FORM

INSTRUCTIONS

Within **SIXTY DAYS** after completing a UST closure or change-in-service, this form along with **two copies** of the following must be provided to the Underground Storage Tank Division:

1. site drawing;
2. analytical results with chain-of-custody documents; and
3. copies of all manifests, bills of lading or receipts for the disposition of tank(s); tank contents, soil and waters.

All applicable information required on the form must be addressed. Forms that are incomplete may be rejected.

Please **PRINT** clearly (press hard, as you are making six copies). After completion, the owner is to retain the bottom (canary) copy and forward all remaining copies of the form to:

UNDERGROUND STORAGE TANK DIVISION
P. O. BOX 82178
BATON ROUGE, LA 70884-2178.

The UST Division will distribute the remaining copies of the form as follows:

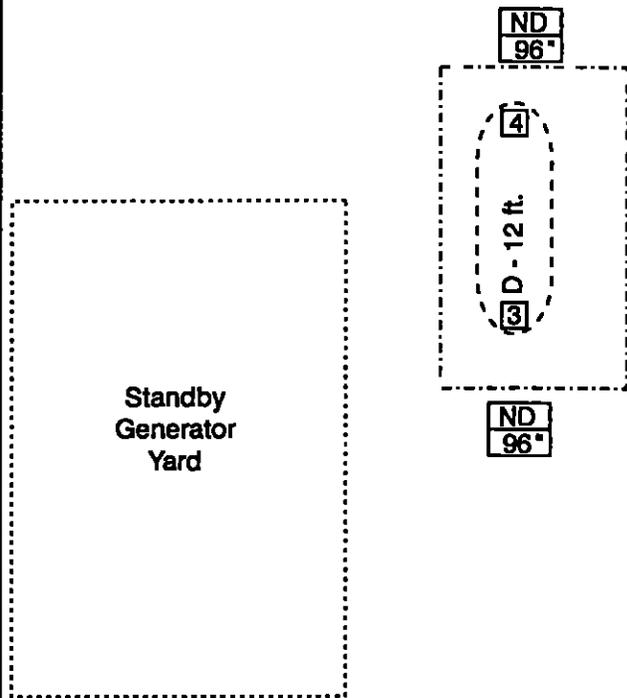
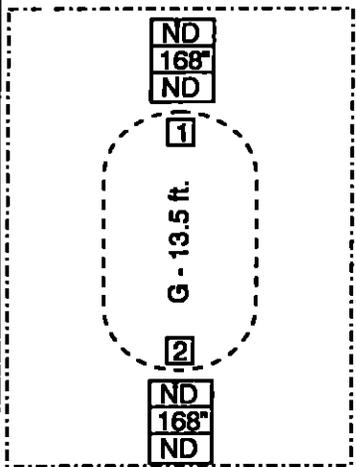
1. Original (White) - UST Main Office File
2. Pink - UST Regional Office File
3. Goldenrod - Registration Files
4. Blue - UST Owner (After DEQ Processing)
5. White - UST Closure Reading File
6. Green - UST Main Office File (Before DEQ Processing)

PROCEDURES TO BE FOLLOWED

The procedures which must be followed when performing a UST closure or change-in-service are provided in the "Underground Storage Tank Closure/Change-in-Service Assessment Guidelines." To obtain a copy of this document call the UST Division at (504) 765-0243 or write to the address noted above.

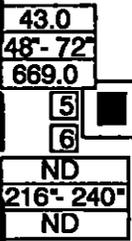
NOTICE

Chapter 13 of the UST Regulations requires that owners of USTs ensure that the contractor chosen to perform the UST closure/change-in-service employs an individual who holds a current Louisiana DEQ certificate for closure. The certified person must be present at the site and exercising responsible supervisory control during the closure/change-in-service process. A list of contractors who employ DEQ certified workers can be obtained from the UST Division at (504) 765-0243.



Total Number of Samples Collected - 6

- 1 UST #1
- 2 UST #2
- 3 UST #3
- 4 UST #4
- 5 Dispenser #1 (4'- 6')
- 6 Dispenser #1 (18'- 20')
SPLP for TPH-G, BTEX



	Project Vermilion Parish Police Jury Law Enforcement Center 14202 Savoy Road Abbeville, LA		
	Date 2/24/99 and 03/25/99	Project No.: 98234-01	
	Facility ID: 57-018034	Scale: 1"=10'	
	Figure Title: UST Closure Map		Figure No.: 1

environmental laboratories, incorporated

11441 Industriplex Blvd., Suite 110, Baton Rouge, LA 70809 (225) 293-9300 Fax (225) 291-2899

03/15/99

ELI Analysis No. P902440-1

RECEIVED

MAR 23 1999

Client: KourCo Environmental Services, Inc.
815 Cajundome Blvd.
Lafayette, LA 70506

KourCo

Attn: John Koury, Jr.

Project Name: Vermillion Par. Police Jury / Law Enforcement Ctr.

Project No: 98234-01

Sample ID: UST #1 (14')

Sample Matrix: Soil

Sampled By: R. Denais / KourCo Environmental Services, Inc.

Date Collected: 02/24/99 @ 11:05AM

<u>Parameter</u>	<u>Concentration (MG/KG)</u>	<u>Detection Limit (MG/KG)</u>
Benzene	BDL	0.010
Toluene	BDL	0.010
Ethylbenzene	BDL	0.010
Xylene	BDL	0.010
Total Petroleum Hydrocarbons-G (C6-C12)	BDL	1

*METHODS:

BTEX - EPA Test Method 5030/8020 (SW-846, 3rd. Edition)

TPH-G - EPA Test Method 8015B (SW-846, 3rd. Edition)

Date/Time Analyzed: BTEX - 03/04/99 @ 1:57AM
TPH-G - 03/04/99 @ 1:57AM

BDL = Below Detection Limits


John D. Trahan, Lab Manager

environmental laboratories, incorporated

11441 Industriplex Blvd., Suite 110, Baton Rouge, LA 70809 (225) 293-9300 Fax (225) 291-2899

03/15/99

ELI Analysis No. P902440-2

Client: KourCo Environmental Services, Inc.
815 Cajundome Blvd.
Lafayette, LA 70506

Attn: John Koury, Jr.

Project Name: Vermillion Par. Police Jury / Law Enforcement Ctr.

Project No: 98234-01

Sample ID: UST #2 (14')

Sample Matrix: Soil

Sampled By: R. Denais / KourCo Environmental Services, Inc.

Date Collected: 02/24/99 @ 11:15AM

<u>Parameter</u>	<u>Concentration (MG/KG)</u>	<u>Detection Limit (MG/KG)</u>
Benzene	BDL	0.010
Toluene	BDL	0.010
Ethylbenzene	BDL	0.010
Xylene	BDL	0.010
Total Petroleum Hydrocarbons-G (C6-C12)	BDL	1

***METHODS:**

BTEX - EPA Test Method 5030/8020 (SW-846, 3rd. Edition)

TPH-G - EPA Test Method 8015B (SW-846, 3rd. Edition)

Date/Time Analyzed: BTEX - 03/04/99 @ 2:27AM

TPH-G - 03/04/99 @ 2:27AM

BDL = Below Detection Limits



environmental laboratories, incorporated

11441 Industriplex Blvd., Suite 110, Baton Rouge, LA 70809 (225) 293-9300 Fax (225) 291-2899

03/15/99

ELI Analysis No. P902440-3

Client: KourCo Environmental Services, Inc.
815 Cajundome Blvd.
Lafayette, LA 70506

Attn: John Koury, Jr.

Project Name: Vermillion Par. Police Jury / Law Enforcement Ctr.

Project No: 98234-01

Sample ID: UST #3 (8')

Sample Matrix: Soil

Sampled By: R. Denais / KourCo Environmental Services, Inc.

Date Collected: 02/24/99 @ 3:15PM

<u>Parameter</u>	<u>Concentration (MG/KG)</u>	<u>Detection Limit (MG/KG)</u>
Total Petroleum Hydrocarbons-D (C10-C20)	BDL	10

*METHOD: EPA Test Method 8015B (SW-846, 3rd. Edition)

Date/Time Analyzed: 03/10/99 @ 4:23PM

BDL = Below Detection Limits



environmental laboratories, incorporated

11441 Industriplex Blvd., Suite 110, Baton Rouge, LA 70809 (225) 293-9300 Fax (225) 291-2899

03/15/99

ELI Analysis No. P902440-4

Client: KourCo Environmental Services, Inc.
815 Cajundome Blvd.
Lafayette, LA 70506

Attn: John Koury, Jr.

Project Name: Vermillion Par. Police Jury / Law Enforcement Ctr.

Project No: 98234-01

Sample ID: UST #4 (8')

Sample Matrix: Soil

Sampled By: R. Denais / KourCo Environmental Services, Inc.

Date Collected: 02/24/99 @ 3:20PM

<u>Parameter</u>	<u>Concentration (MG/KG)</u>	<u>Detection Limit (MG/KG)</u>
Total Petroleum Hydrocarbons-D (C10-C20)	BDL	10

*METHOD: EPA Test Method 8015B (SW-846, 3rd. Edition)

Date/Time Analyzed: 03/10/99 @ 8:38PM

BDL = Below Detection Limits

Quality Assurance
Quality Control


John D. Trahan, Lab Manager

environmental laboratories, incorporated

11441 Industriplex Blvd, Suite 110, Baton Rouge, LA 70809 (225) 293-9300 Fax (225) 291-2899

03/15/99

ELI Analysis No. P902440-5

Client: KourCo Environmental Services, Inc.
815 Cajundome Blvd.
Lafayette, LA 70506

Attn: John Koury, Jr.

Project Name: Vermillion Par. Police Jury / Law Enforcement Ctr.

Project No: 98234-01

Sample ID: Dispenser #1 (4'-6')

Sample Matrix: Soil

Sampled By: R. Denais / KourCo Environmental Services, Inc.

Date Collected: 02/24/99 @ 4:00PM

<u>Parameter</u>	<u>Concentration (MG/KG)</u>	<u>Detection Limit (MG/KG)</u>
Benzene	0.669	0.010
Toluene	0.724	0.010
Ethylbenzene	1.65	0.010
Xylene	6.34	0.010
Total Petroleum Hydrocarbons-G (C6-C12)	43	10

***METHODS:**

BTEX - EPA Test Method 5030/8020 (SW-846, 3rd. Edition)
TPH-G - EPA Test Method 8015B (SW-846, 3rd. Edition)

Date/Time Analyzed: BTEX - 03/04/99 @ 3:08AM
TPH-G - 03/04/99 @ 3:08AM

BDL = Below Detection Limits

Quality Assurance
Quality Control


John D. Trahan, Lab Manager

QA/QC DATA

SOIL MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E.L.I. Sample No. P902431-02

Analysis Date: 03/02/99

COMPOUND	BLANK CONC.	CONC. SPIKE ADDED (UG/KG)	SAMPLE RESULT	CONC. MS	% REC	CONC. MSD	% REC	RPD	QC LIMITS RPD	RECOVERY
BENZENE	BDL	50	BDL	52	104	50	100	4	20	39-150
TOLUENE	BDL	50	BDL	51	102	52	104	2	20	46-148
ETHYLBENZENE	BDL	50	BDL	49	98	51	102	4	20	32-160
P&M XYLENE	BDL	100	BDL	101	101	113	113	11	20	32-160
O XYLENE	BDL	50	BDL	49	98	52	104	6	20	32-160

$$\text{MATRIX SPIKE RECOVERY (\%REC)} = \frac{\text{SPIKE SAMPLE RESULT (CONC. MS)} - \text{SAMPLE RESULT}}{\text{CONCENTRATION OF SPIKE ADDED}}$$

$$\text{RELATIVE PERCENT DIFFERENCE (RPD)} = \frac{\text{SAMPLE CONC.} - \text{DUPLICATE CONC.}}{(\text{SAMPLE CONC.} + \text{DUPLICATE CONC.}) / 2} \times 100$$

* UNITS = UG/KG

QA/QC DATA

SOIL MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E.L.I. Sample No. P903457-04

Analysis Date: 03/04/99

COMPOUND	BLANK CONC.	CONC. SPIKE ADDED (UG/KG)	SAMPLE RESULT	CONC. MS	% REC	CONC. MSD	% REC	RPD	QC LIMITS RPD	RECOVERY
BENZENE	BDL	50	BDL	53	106	53	106	0	20	39-150
TOLUENE	BDL	50	BDL	53	106	53	106	0	20	46-148
ETHYLBENZENE	BDL	50	BDL	52	104	51	102	2	20	32-160
P&M XYLENE	BDL	100	BDL	107	107	106	106	1	20	32-160
O XYLENE	BDL	50	BDL	51	102	51	102	0	20	32-160

$$\text{MATRIX SPIKE RECOVERY (\%REC)} = \frac{\text{SPIKE SAMPLE RESULT (CONC. MS)} - \text{SAMPLE RESULT}}{\text{CONCENTRATION OF SPIKE ADDED}}$$

$$\text{RELATIVE PERCENT DIFFERENCE (RPD)} = \frac{\text{SAMPLE CONC.} - \text{DUPLICATE CONC.}}{(\text{SAMPLE CONC.} + \text{DUPLICATE CONC.}) / 2} \times 100$$

* UNITS = UG/KG

QA/QC DATA

SOIL MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E.L.I. Sample No. P902440-02

Analysis Date: 03/04/99

ANALYSIS	BLANK CONCENTRATION	CONC. SPIKE ADDED (MG/KG)	SAMPLE RESULTS	DUPLICATE CONCENTRATION	RPD	CONCENTRATION MS	PERCENT RECOVERY
TOTAL PETROLEUM HYDROCARBONS (TPH) GAS	BDL	25	BDL	BDL	0	26	104

$$\text{MATRIX SPIKE RECOVERY (\%REC)} = \frac{\text{SPIKE SAMPLE RESULT (CONC. MS)} - \text{SAMPLE RESULT}}{\text{CONCENTRATION OF SPIKE ADDED}}$$

$$\text{RELATIVE PERCENT DIFFERENCE (RPD)} = \frac{\text{SAMPLE CONC.} - \text{DUPLICATE CONC.}}{(\text{SAMPLE CONC.} + \text{DUPLICATE CONC.}) / 2} \times 100$$

* UNITS = MG/KG

QA/QC DATA

SOIL MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E.L.I. Sample No. P902425-01

Analysis Date: 03/10/99

ANALYSIS	BLANK CONCENTRATION	CONC. SPIKE ADDED (MG/KG)	SAMPLE RESULTS	DUPLICATE CONCENTRATION	RPD	CONCENTRATION MS	PERCENT RECOVERY
TOTAL PETROLEUM HYDROCARBONS (TPH) DIESEL	BDL	100	BDL	BDL	0	104	104

$$\text{MATRIX SPIKE RECOVERY (\%REC)} = \frac{\text{SPIKE SAMPLE RESULT (CONC. MS)} - \text{SAMPLE RESULT}}{\text{CONCENTRATION OF SPIKE ADDED}}$$

$$\text{RELATIVE PERCENT DIFFERENCE (RPD)} = \frac{\text{SAMPLE CONC.} - \text{DUPLICATE CONC.}}{(\text{SAMPLE CONC.} + \text{DUPLICATE CONC.}) / 2} \times 100$$

* UNITS = MG/KG



environmental laboratories, incorporated

11441 Industriplex Blvd . Suite 110, Baton Rouge, LA 70809 (225) 293-9300 Fax (225) 291-2899
* SUMMARY REPORT *

Client: KourCo Environmental Services, Inc.
815 Cajundome Blvd.
Lafayette, LA 70506

Attn: John Koury, Jr.

Project Location: Vermillion Par. Police Jury / Law Enforcement Ctr.

Project No: 98234-01

Sample Matrix: Soil

<u>ELI No.</u>	<u>SAMPLE IDENTIFICATION</u>	<u>BENZENE</u>	<u>TOLUENE</u>	<u>ETHYLBENZENE</u>	<u>XYLENE</u>
P902440-1	UST #1 (14')	BDL	BDL	BDL	BDL
P902440-2	UST #2 (14')	BDL	BDL	BDL	BDL
P902440-5	Dispenser #1 (4'-6')	0.669	0.724	1.65	6.34

BDL = Below Detection Limits

* All values have units of MG/KG



environmental laboratories, incorporated

11441 Industriplex Blvd, Suite 110, Baton Rouge, LA 70809 (225) 293-9300 Fax (225) 291-2899
* SUMMARY REPORT *

Client: KourCo Environmental Services, Inc.
815 Cajundome Blvd.
Lafayette, LA 70506

Attn: John Koury, Jr.

Project Location: Vermillion Par. Police Jury / Law Enforcement Ctr.

Project No: 98234-01

Sample Matrix: Soil

<u>ELI No.</u>	<u>SAMPLE IDENTIFICATION</u>	<u>TPH GASOLINE CONCENTRATION</u>
P902440-1	UST #1 (14')	BDL
P902440-2	UST #2 (14')	BDL
P902440-5	Dispenser #1 (4'-6')	43

BDL = Below Detection Limits

* All values have units of MG/KG



environmental laboratories, incorporated

11441 Industriplex Blvd., Suite 110, Baton Rouge, LA 70809 (225) 293-9300 Fax (225) 291-2899
* SUMMARY REPORT *

Client: KourCo Environmental Services, Inc.
815 Cajundome Blvd.
Lafayette, LA 70506

Attn: John Koury, Jr.

Project Location: Vermillion Par. Police Jury / Law Enforcement Ctr.

Project No: 98234-01

Sample Matrix: Soil

<u>ELI No.</u>	<u>SAMPLE IDENTIFICATION</u>	<u>TPH DIESEL CONCENTRATION</u>
P902440-3	UST #3 (8')	BDL
P902440-4	UST #4 (8')	BDL

BDL = Below Detection Limits

* All values have units of MG/KG

environmental laboratories, incorporated

11441 Industriplex Blvd, Suite 110, Baton Rouge, LA 70809 (504) 293-9300 Fax (504) 291-2899

DATE: 2/26/99

TIME: 10:35 AM

SAMPLE INTEGRITY VERIFICATION FORM

Client: Kaerco

Shipper: Greyhound

Number of sample containers: 5

	YES	NO
Chain of Custody provided?	<u>✓</u>	<u> </u>
Storage container(s) in tact?	<u>✓</u>	<u> </u>
Sample container(s) free of breakage?	<u>✓</u>	<u> </u>
Sample(s) received on ice?	<u>✓</u>	<u> </u>

If you have answered No to any of the above questions, explain:

Inspector's signature: Deidee Romero

environmental laboratories, incorporated

11441 Industriplex Blvd., Suite 110, Baton Rouge, LA 70809 (225) 293-9300 Fax (225) 291-2899

04/16/99

ELI Analysis No. P903705-1

Client: KourCo Environmental Services, Inc.
815 Cajundome Blvd.
Lafayette, LA 70506

RECEIVED
APR 19 1999

Attn: John Koury, Jr.

KourCo

Project Name: Vermillion Parish Police Jury

Project No: 98234-01

Sample ID: Law Enforcement Center-Dispenser (18'-20')

Sample Matrix: Soil

Sampled By: R. Denais / KourCo Environmental Services, Inc.

Date Collected: 03/25/99 @ 10:45AM

SPLP ANALYSIS

<u>Parameter</u>	<u>Concentration (MG/L)</u>	<u>Detection Limit (MG/L)</u>
Benzene	BDL	0.005
Toluene	0.018	0.005
Ethylbenzene	0.008	0.005
Xylene	0.021	0.005
Total Petroleum Hydrocarbons-G (C6-C12)	BDL	1

*METHODS:

SPLP EXT. - EPA Test Method 1312 (SW-846, 3rd. Edition)
BTEX - EPA Test Method 5030/8020 (SW-846, 3rd. Edition)
TPH-G - EPA Test Method 8015B (SW-846, 3rd. Edition)

Date/Time Analyzed: BTEX - 04/05/99 @ 4:18PM
TPH-G - 04/05/99 @ 4:18PM

BDL = Below Detection Limits

QA/QC DATA

SPLP MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E.L.I. Sample No.: P903705-01

Analysis Date: 04/05/99

COMPOUND	BLANK CONC.	CONC. SPIKE ADDED (UG/L)	SAMPLE RESULT	CONC. MS	% REC	CONC. MSD	% REC	RPD	QC LIMITS RPD	RECOVERY
BENZENE	BDL	50	BDL	44	88	43	88	2	20	39-150
TOLUENE	BDL	50	18	61	88	60	84	2	20	46-148
ETHYLBENZENE	BDL	50	8	55	94	53	90	4	20	32-160
P&M XYLENE	BDL	100	8	91	63	85	77	6	20	32-160
O XYLENE	BDL	50	13	59	92	57	88	4	20	32-160

$$\text{Matrix Spike Percent Recovery (\%REC)} = \frac{\text{Spike Sample Result (Conc. MS)} - \text{Sample Result}}{\text{Concentration of Spike Added}}$$

$$\text{Relative Percent Difference (RPD)} = \frac{\text{Matrix Spike Conc.} - \text{Matrix Spike Duplicate Conc.}}{(\text{Matrix Spike Conc.} + \text{Matrix Spike Duplicate Conc.}) / 2} \times 100$$

* UNITS = UG/L

QA/QC DATA

SPLP DUPLICATE / MATRIX SPIKE RECOVERY

E.L.I. Sample No.: P903705-01

Analysis Date: 04/05/99

ANALYSIS	BLANK CONC.	CONC. SPIKE ADDED (MG/L)	SAMPLE RESULTS	DUPLICATE CONCENTRATION	RPD	CONC. MS	% REC
TOTAL PETROLEUM HYDROCARBONS (TPH) (GASOLINE)	BDL	25	BDL	BDL	0	24	96

$$\text{Matrix Spike Percent Recovery (\%REC)} = \frac{\text{Spike Sample Result (Conc. MS)} - \text{Sample Result}}{\text{Concentration of Spike Added}} \times 100$$

$$\text{Relative Percent Difference (RPD)} = \frac{\text{Sample Conc.} - \text{Duplicate Conc.}}{(\text{Sample Conc.} + \text{Duplicate Conc.}) / 2} \times 100$$

* UNITS = MG/L

QA/QC DATA

SOIL MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E.L.I. Sample No. P903705-02

Analysis Date: 04/09/99

ANALYSIS	BLANK CONCENTRATION	CONC. SPIKE ADDED (MG/KG)	SAMPLE RESULTS	DUPLICATE CONCENTRATION	RPD	CONCENTRATION MS	PERCENT RECOVERY
TOTAL PETROLEUM HYDROCARBONS (TPH) DIESEL	BDL	100	BDL	BDL	0	104	104

$$\text{MATRIX SPIKE RECOVERY (\%REC)} = \frac{\text{SPIKE SAMPLE RESULT (CONC. MS)} - \text{SAMPLE RESULT}}{\text{CONCENTRATION OF SPIKE ADDED}}$$

$$\text{RELATIVE PERCENT DIFFERENCE (RPD)} = \frac{\text{SAMPLE CONC.} - \text{DUPLICATE CONC.}}{(\text{SAMPLE CONC.} + \text{DUPLICATE CONC.}) / 2} \times 100$$

• UNITS = MG/KG

environmental laboratories, incorporated

11441 Industriplex Blvd., Suite 110, Baton Rouge, LA 70809 (504) 293-9300 Fax (504) 291-2899

DATE: 3-30-99

TIME: 0930

SAMPLE INTEGRITY VERIFICATION FORM

client: Kourco

Shipper: Greyhound

Number of sample containers: 2

	YES	NO
Chain of Custody provided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Storage container(s) in tact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample container(s) free of breakage?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample(s) received on ice?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

If you have answered No to any of the above questions, explain:

Inspector's signature: R Lippert

ACADIANA OIL & ENVIRONMENTAL

P. O. Box 206 • Jeanerette, LA 70544

Manifest No 3153

318 - 276-6644

IN CASE OF EMERGENCY CALL : (800) 633 - 8253

Delivery Receipt #

GENERATOR/TRANSPORTER MANIFEST

Reuse/Recycle

1. Generator Name and Mailing Address: Vermillion West, Philie, Gary P.O. Box 430 Abbeville	Phone: 318 276-4473 US EPA ID Number
2. Location Where Loaded Name and Physical Address: Law Enforcement Center 14702 Savoy Rd. Abbeville	Phone: (318) SAME US EPA ID Number
3. Transporter #1 Name and Mailing Address: ACADIANA OIL & ENVIRONMENTAL P.O. Box 206 Jeanerette, Louisiana 70544	Phone: (318) 276-6644 US EPA ID Number LIAIDI 191815121216191618
4. Designated Facility, Name and Site Address: ACADIANA OIL & ENVIRONMENTAL 810 St. John Franklin, LA 70538	PHONE: Yard 318-923-8434 Office 318-276-4019 US EPA ID Number LIAIDI 191815121216191618

5. PROPER HAZARDOUS MATERIAL SHIPPING NAME:.	CONTAINERS		TOTAL QUANTITY	UNIT GAL/BBL/DRM
	NO.	TYPE		
Combustible liquid, N.O.S. III (Diesel) NA 1993				
Combustible liquid, N.O.S. III Fuel Oil) NA 1993				
Combustible liquid, N.O.S. III (Oil) NA 1993 (Lube Oil)				
Combustible liquid, N.O.S. III (Oil) NA 1993 (Used Oil)				
700 Hg White Water, Diesel & Gas		bulk	75	gal

6. Special Handling Instructions and Additional Information: *N/A*

7. Source of Material:

8. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I generate "Used Oil", I certify that the Used Oil has not been mixed with any hazardous waste or that no hazardous waste has been mixed with the Used Oil (LAC 33:V.4147.A.3), with the following exception, that a hazardous waste that is a hazardous solely because it exhibits a characteristic of hazardous waste identified in LAC 33 V.4903 (i.e Ignitability) provided that it is not mixed with a hazardous waste Printed/Typed Name: <u>Lonnie Veronis (Agent)</u> Signature: <u>Lonnie Veronis</u> Date: <u>2-24-99</u>	9. Transporter # 1 Acknowledgement of Receipt of Materials: Printed/Typed Name: <u>KISS TOMER</u> Signature: <u>KISS TOMER</u> Date: <u>2-24-99</u> 10. Discrepancy Indication Space:
---	--

11. Facility Owner or Operator: Certification of Receipt of Non-hazardous waste materials covered by this manifest except as noted in item 11

Printed/Typed Name: _____ Signature: _____ Date: _____

FORM # 52996
LUBJECT PRINTING SHOP - ORLEANS LA 70526



Woodside Landfill
A Waste Management Company

NON-HAZARDOUS MANIFEST

58709

GENERATOR

Generator Vermilion Parish Police Jury LOUISIANA DEQ SOLID WASTE DIVISION
 Shipping Location Vermilion Parish Law Enforcement Center Identification # N/A
 Address 14202 Savoy Road Manifest Return Address: KourCo Environmental Services
Abbeville, LA 70510 815 Cajundome Boulevard
Lafayette, LA 70506
 Phone (318) 898-4423 Phone (318) 269-9114

Description of Waste Materials	LADEQ Industrial Waste Code #	Profile Number	Total Quantity	Unit of Measure	Container Type
RCRA Empty Fiberglass Underground Storage Tank	N/A	CK8085	3	Drum	55 Gallon Open Top Drum

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR, Part 261 or any applicable state law or regulation, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable laws and regulations.

Michael J. Bernardo Generator Authorized Agent Name (Print) Michael J. Bernard Signature 3/25/99 Delivery Date

TRANSPORTER

LADEQ Transporter I.D. # T - 045 - 8903 Driver Name (Print) Chris Graciana
 Transporter Name Cypress Land Service Corporation Truck Number N/A
 Address 3009 Kris Kringle Road Truck type Pick-up truck
Jeanerette, LA 70544 TELEPHONE 2125/99
POLICE SUP

I hereby acknowledge receipt of the above described materials for transport from the generator shipping location listed above. I hereby acknowledge that the above-described materials were received from the generator shipping location and were transported without incident to the destination listed below.

Chris Graciana Driver Signature 3/26/99 Shipment Date Chris Graciana Driver Signature 3/26/99 Delivery Date

DESTINATION

Site Name WOODSIDE LANDFILL LADEQ Facility # D-063-1941
 Address 29340 Woodside Drive LADEQ Permit # P-0080
Walker, LA 70785 Phone Number 504/665-8225

Disposal Location: North KL East 19-21 Level 4

I hereby acknowledge receipt of the above-described materials.
Tom Brown Name of Authorized Agent (Print) [Signature] Signature Receipt Date

Hogsdorff Landfill
WALKER, LA 70785

Printed: 05/26/1999 Ticket# 2592685

Grid: 19-21 LEVEL 4

Profile#: CK8085 EMPTY FIBERGLASS TAN
Character:

Manifest: 58709
Origin: Non Applicable
Generator#: CK8085 VERMILION PARISH POLICE DEPT
Transporter: T-045-8903 Cypress Land Services, Inc.
Bill to: 0063681

RESORCO ENVIRONMENTAL SERVICES
215 CAJUN DOME BOULEVARD LAFAYETTE LA 70506.

Trailer:

Gross: 7600 PB Lbs
Tare: 7020 PB Lbs
Net: 580

Units: 0.29
Quantity: 3.00
Mixed %: 100.00

Code Description
902D COMMERCIAL

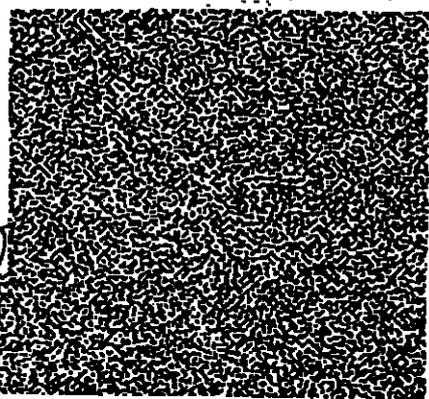
Quantity Type
3.00 D

PO:

Ticket Clerk *AA*

KM

Driver *Ch*



BILL OF SALE

**STATE OF LOUISIANA
PARISH OF VERMILION**

Vermilion Parish Police Jury as Seller, in consideration of the sum of One Dollar (\$1.00) and other good and valuable considerations to it in hand paid by Cash As Buyer, the receipt of which is hereby acknowledge and confessed, does bargain, sell and deliver to the said Buyer, the following property:

One 5,000 Gallon Steel Underground Storage Tank

WARNING

It is understood that the equipment covered by this contract may be containers for gasoline, kerosene or other petroleum products of a flammable nature, and that work upon them with tools and welding equipment is more or less hazardous and requires the most careful attention to prevent accidents. It is therefore contracted, upon the above consideration, that buyer takes said property as is, that all risk is hereby assumed by Buyer, whether said equipment is in his possession or out of his possession, and Buyer agrees to make careful inspection of each and every piece of said equipment to see that it is free from gasoline, kerosene, oil greases, gases or other flammable products.

It is understood that the equipment covered by this contract may be containers for gasoline having tetraethyl lead properties. The property, therefore, is not safe for storage of materials destined for human or animal consumption. The property should not be used for storage of unleaded products unless the Buyer sees that said property is free of the lead properties.

Buyer shall be fully liable for and save Seller harmless from any and all damages resulting from said equipment, whether it is in his possession or out of his possession, either directly or indirectly, whether due to negligence or not, and whether due to defects, either latent or patent.

This sale is made without representation, guaranty or warranty of any nature whatsoever by Seller, either directly or indirectly, either express or implied.

Dated this 24th day of February 1999

ACCEPTED - SELLER:
Vermilion Parish Police Jury
P. O. Box 430
Abbeville, LA 70510

ACCEPTED - BUYER:
Logan LeMaire
306 Vital
Lafayette, LA 70506

Michael J. Bertrand
BY: Michael J. Bertrand

Logan LeMaire
BY: Logan LeMaire

Facility Tanks Removed from: Vermilion Parish Law Enforcement Center
Address: 14202 Savoy Road
Abbeville, Louisiana 70510



FEMA

U.S. Department of Homeland Security
Federal Emergency Management Agency
FEMA-1603/1607/1786/1792 -DR-LA
Louisiana Recovery Office
Environmental/Historic Preservation
1 Seine Court
New Orleans, LA 70114

March 21, 2012

Pam Breaux
State Historic Preservation Officer
Department of Culture, Recreation & Tourism
P.O. Box 44247
Baton Rouge LA 70804

RE: Section 106 Review Consultation, Hurricane Katrina, FEMA-1603-DR-LA

Applicant: Vermilion Parish
Undertaking: Construction of Flood Protection Embankment, 14202 Savoy Road,
Abbeville, Vermilion Parish, LA (HMGP Project #1603-0237)
Determination: **No Historic Properties Affected**

Dear Ms. Breaux:

The Federal Emergency Management Agency (FEMA) will be providing funds authorized under the Robert T. Stafford Disaster Relief and Emergency Assistance Act, P.L. 93-288, as amended, in response to the following major Disaster Declaration:

FEMA-1603-DR-LA, dated August 29, 2005, as amended.

FEMA, through its 404 Hazard Mitigation Program, proposes to fund the flood protection embankment at 14202 Savoy Road, Abbeville, Vermilion Parish, LA (Undertaking) as requested by Vermilion Parish (Applicant). FEMA is initiating Section 106 review for the above referenced properties in accordance with the Louisiana State-Specific Programmatic Agreement among FEMA, the Louisiana Governor's Office of Homeland Security and Emergency Preparedness (GOHSEP), the Louisiana State Historic Preservation Officer of the Department of Culture Recreation and Tourism (SHPO), the Alabama-Coushatta Tribe of Texas (ACTT), the Chitimacha Tribe of Louisiana (CTL), the Choctaw Nation of Oklahoma (CNO), the Jena Band of Choctaw Indians (JBCI), the Mississippi Band of Choctaw Indians (MBCI), the Seminole Tribe of Florida (STF), and the Advisory Council on Historic Preservation (ACHP) regarding FEMA's Hazard Mitigation Grant Program (2011 LA HMGP PA) dated January 31st, 2011 and providing the State Historic Preservation Office with the opportunity to consult on the proposed Undertaking. Documentation in this letter is consistent with the requirements in 36 CFR §800.11(d).

Description of the Undertaking

The proposed project consists of the retrofit construction of an embankment and flood wall to protect the Vermilion Parish Detention Center (Figures 2, 3, & 5) from flood waters. A combination of approximately 2,633 linear feet of earthen embankment and 566 linear feet of concrete flood wall will comprise the flood control perimeter that will protect the facility from future flooding events. The project also includes a rework of the internal storm drainage system and the addition of a wet

well containing two (2) 25-horsepower pumps to adequately route the 1-percent storm from the property without flooding the existing building. Potential ground-disturbance associated with this Scope of Work (SOW) includes excavations associated with reworking of the drainage system, removal/displacement of native soils during construction of the floodwall, and rutting from heavy machinery use and staging. A 7.5 USGS map of the Undertaking Location can be observed in Figure 1.

Area of Potential Effects (APE)

In accordance with Stipulation VII.B of the LA HMGP, the APE for both the standing structures and archaeology were developed in coordination with SHPO staff. The APEs for archaeology and standing structures can be observed in Figure 2. The archaeological APE measures approximately 20 acres.

Identification and Evaluation

Standing Structures

On March 12, 2012 FEMA Historic Preservation Staff consulted the National Register of Historic Places (NRHP) database and the Louisiana Cultural Resources Map and determined that the prison facility located at 14202 Savoy Road, Abbeville, Vermilion Parish, LA is not within a listed or eligible National Register Historic District nor is it located within view-shed of an individually listed National Register Historic Property. Constructed in 1981, the facility is less than fifty (50) years of age and does not meet the criteria to qualify for NRHP listing under Criterion Consideration G. Additionally; there are no structures or buildings within the standing structures view-shed (Figures 5-12). The subject property is provided in the table below.

	Locality	Address	Latitude	Longitude	Date Built	FEMA Eligibility Determination
1.	Abbeville	14202 Savoy Road	29.946872	-92.091938	1981	Not Eligible under Criterion Consideration G

Archaeology

No historic maps or other archival materials were located that depict the subject property. The area has not been previously surveyed for archaeological or historic resources. FEMA Historic Preservation personnel performed a site visit to the facility on March 6, 2012. At the time of the field inspection, the croplands surrounding the prison had been recently plowed in preparation for spring planting, providing excellent surface visibility. Soils consisted of fine-grained silt loam indicative of prairie loess deposits. The fields were systematically inspected for any evidence of cultural materials or features. A total of three scattered pieces of historic ceramics (two pieces of ironstone and one porcelain fragment) were noted in the northwestern-most plowed field, but did not occur in any concentration or amount that would be indicative of a historic homestead in the area. No brick, glass or other structure-related remains were identified during the surface inspection. In addition to inspection of the plowed fields, the cut-bank of Young’s North Coulee (an artificial canal forming the western boundary of the project area) was examined for any evidence of cultural deposits, but none were identified.

Assessment of Effects

Based on the aforementioned identification and evaluation, FEMA has determined that there are no historic properties as defined in 36 CFR 800.16(l) within the APE. Therefore, FEMA has determined a finding of **No Historic Properties Affected** for this Undertaking and is submitting this Undertaking to you for your review and comment. FEMA requests your comments within 15 days.

We look forward to your concurrence with this determination. Should you have any questions or need additional information regarding this Undertaking, please contact Jeramé Cramer, Deputy Environmental Liaison Officer, at (504) 762-2917 or Jerame.Cramer@dhs.gov or Dan DiGiuseppe, FEMA Historic Preservation Specialist, at (504)-762-2977 or Daniell.DiGiuseppe@dhs.gov, & Michael Wilder, FEMA Archaeologist at (504)-444-4590 or Michael.Wilder@dhs.gov.

Sincerely,



for
Katherine Zeringue
Environmental Liaison Officer
FEMA-DR-1603-LA, FEMA-DR-1607-LA,
FEMA-DR-1786-LA, FEMA-DR-1792-LA.

CC: File
Bryan Guevin, Division of Archaeology Reviewer
David Livingstone, Division of Historic Preservation Reviewer
State Historic Preservation Office

Enclosures

The Division of Archaeology Reviewer concurs with the finding that there will be No Historic Properties Affected as a result of this Undertaking.

Division of Archaeology Reviewer

Date

The Division of Historic Preservation Reviewer concurs with the finding that there will be No Historic Properties Affected as a result of this Undertaking.

Division of Historic Preservation Reviewer

Date

Figure 1	Map Name: USGS Abbeville East 7.5' Topographic Quadrangle Map 1:24,000 HMGP 1603-0237 Address: 14202 Savoy Road, Abbeville, LA Coordinates: 29.946872, -92.091938
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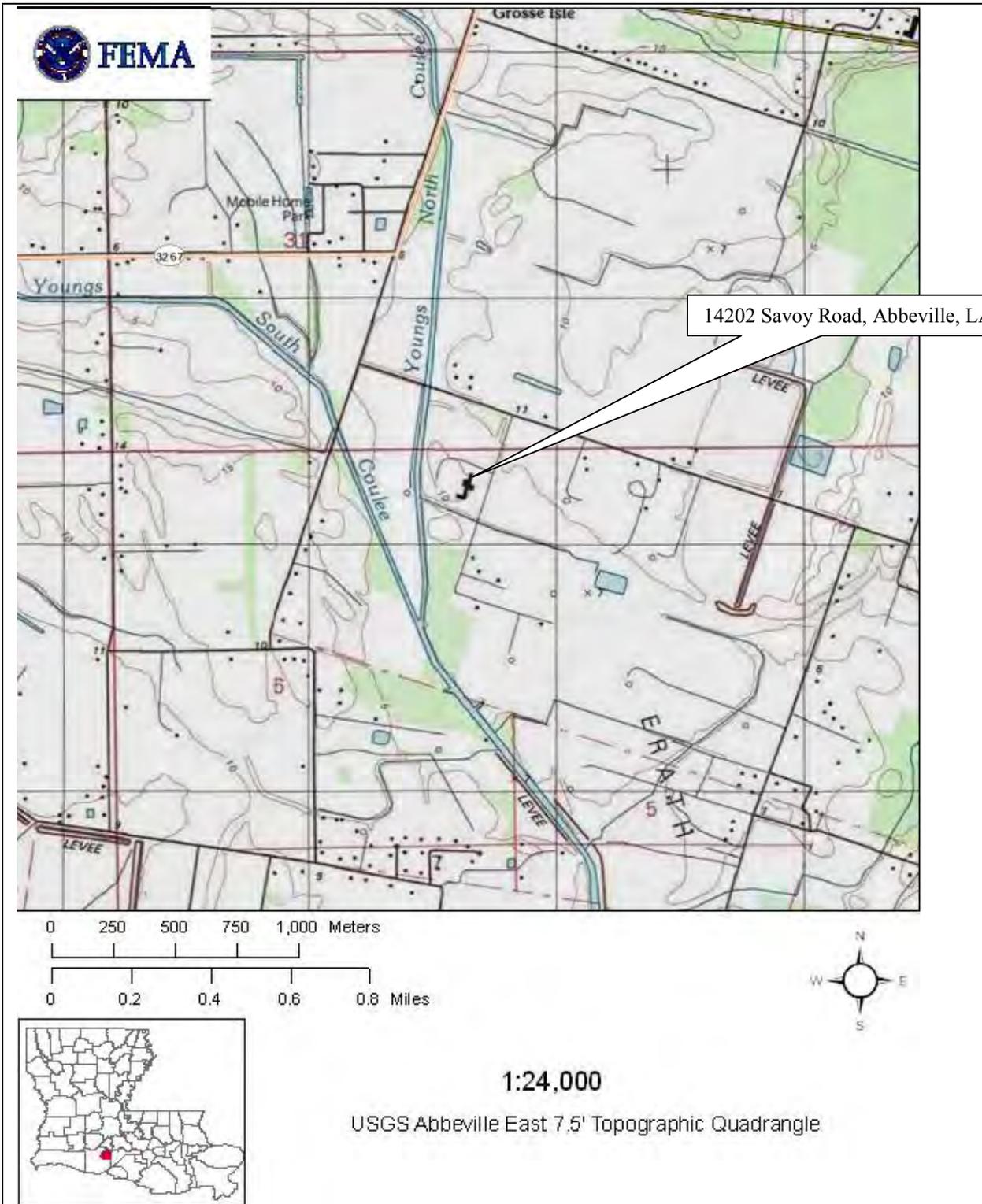




Figure 4	Prison facility (constructed 1981) located at 14202 Savoy, Road Abbeville, LA 
View towards north	View-shed photography surrounding 14202 Savoy, Road Abbeville, LA 
View towards northeast	View-shed photography surrounding 14202 Savoy, Road Abbeville, LA 

<p>Figure 7</p> <p>View towards east</p>	<p>View-shed photography surrounding 14202 Savoy, Road Abbeville, LA</p> 
<p>Figure 8</p> <p>View towards southeast</p>	<p>View-shed photography surrounding 14202 Savoy, Road Abbeville, LA</p> 
<p>Figure 9</p> <p>View towards south</p>	<p>View-shed photography surrounding 14202 Savoy, Road Abbeville, LA</p> 

<p>Figure 10</p> <p>View towards southwest</p>	<p>View-shed photography surrounding 14202 Savoy, Road Abbeville, LA</p>  A wide-angle photograph showing a large, flat, green field under a clear blue sky. In the distance, there is a line of trees and some buildings. The field appears to be a mix of grass and bare earth.
<p>Figure 11</p> <p>View towards west</p>	<p>View-shed photography surrounding 14202 Savoy, Road Abbeville, LA</p>  A photograph showing a large, flat, green field. A person is walking in the field on the right side. In the background, there is a line of trees and some buildings. The field is mostly green with some brown patches.
<p>Figure 12</p> <p>View towards northwest</p>	<p>View-shed photography surrounding 14202 Savoy, Road Abbeville, LA</p>  A photograph showing a large, flat, green field. A utility pole is visible on the left side. In the background, there is a line of trees and some buildings. The field is mostly green with some brown patches.



JAY DARDENNE
LIEUTENANT GOVERNOR

State of Louisiana
OFFICE OF THE LIEUTENANT GOVERNOR
DEPARTMENT OF CULTURE, RECREATION & TOURISM
OFFICE OF CULTURAL DEVELOPMENT

CHARLES R. DAVIS
DEPUTY SECRETARY

PAM BREUX
ASSISTANT SECRETARY

April 4, 2012

Ms. Katherine Zeringue
Environmental Liaison Officer
Federal Emergency Management Agency
FEMA Mail Center—First Floor
1 Seine Ct.
New Orleans, LA 70114

RE: Section 106 Consultation, Hurricane Katrina, FEMA-1603-DR-LA
Applicant: Vermilion Parish
Undertaking: Construction of Flood Protection Embankment, 14202 Savoy Road, Abbeville, Vermilion Parish, Louisiana (HMGP Project#1603-0237)
Determination: No Historic Properties Affected

Dear Ms. Zeringue:

Thank you for your letter of March 21, 2012, received March 22, 2012, regarding the above-referenced project. We understand that FEMA through its 404 Hazard Mitigation Program proposes to provide funding for the construction of a flood protection embankment at the Vermilion Parish Detention Center, located at 14202 Savoy Road, Abbeville Road, Vermilion Parish, Louisiana (Undertaking). The proposed project consists of the retrofit construction of an embankment floodwall to protect the Vermilion Parish Detention Center from potential floodwaters. Ground disturbing activities associated with this project include excavation and reworking of the existing drainage system, removal/displacement of native soils during floodwall construction, and rutting from heavy machinery use and staging. Section 106 consultation for this project is conducted in accordance with the *“Louisiana State-Specific Programmatic Agreement among Federal Emergency Management Agency (FEMA); the Louisiana Governor’s Office of Homeland Security and Emergency Preparedness (GOHSEP); the Louisiana State Historic Preservation Officer of the Department of Culture Recreation and Tourism (SHPO); the Alabama-Coushatta Tribe of Texas (ACTT); the Chitimacha Tribe of Louisiana (CTL); the Choctaw Nation of Oklahoma (CNO); the Jena Band of Choctaw Indians (JBCI); the Mississippi Band of Choctaw Indians (MBCI); the Seminole Tribe of Florida (STF); and the Advisory Council on Historic Preservation (ACHP) regarding FEMA’s Hazard Mitigation Grant Program”* (LA HMGP PA) dated January 31st, 2011.

Page 2
Katherine Zeringue
April 4, 2012

We agree with the Area of Potential Effects (APE) defined for standing structures and archaeology as depicted in Figure 2 of your consultation letter dated March 21, 2012. The existing prison facility (Vermilion Parish Detention Center) located 14202 Savoy Road, Abbeville, Vermilion Parish, Louisiana is not within a listed or eligible National Register Historic District, nor is it located within the view shed of an individually listed National Register Historic property. The subject prison facility was constructed in 1981, and as such, is less than fifty (50) years of age and does not meet National Register of Historic Places (NRHP) eligibility under criteria consideration G (36 CFR 60.4)

The archaeological APE measures approximately 20 acres and includes the footprint of the proposed flood protection embankment and associated staging and excavation areas surrounding the existing prison facility. FEMA Environmental Historic Preservation staff conducted a systematic surface inspection of the subject project area on March 6, 2012 and determined that no archaeological deposits considered eligible for the NRHP under criteria consideration D (36 CFR 604.) were found within the archaeological APE. In addition, the surrounding facility grounds have been altered and modified to a varying extent by previous plowing and drainage maintenance excavations associated with the ongoing operations of the subject prison facility. Based on these results, no further archaeological investigations are recommended for this project as currently planned.

Therefore, we concur with FEMA's determination that the Undertaking as described in your letter would result in No Historic Properties Affected. For more information, please contact David Livingstone (504) 762-2264, david.livingstone@associates.dhs.gov, or Bryan Guevin at (504) 762-2941, bryan.guevin@associates.fema.dhs.gov.

Sincerely,



Pam Breaux
State Historic Preservation Officer

PB: DL/BG:s

From: Seward, Adrian (CTR)
To: ["ithompson@choctawnation.com"](mailto:ithompson@choctawnation.com)
Subject: FEMA Section 106 Consultation: Vermilion Parish Drainage
Date: Friday, March 23, 2012 5:12:00 PM
Attachments: [CNO_HMGP_1603-0237_Vermilion Parish Drainage.pdf](#)

March 23, 2012

Dear Ian:

Attached is the Tribal Section 106 consultation regarding construction of flood protection embankment in Vermilion Parish. FEMA has determined that there will be no historic properties affected as a result of this undertaking. If you have comments regarding this project, please notify FEMA by 4/7/12.

Should you have any other questions or comments, please contact Katherine Zeringue, FEMA Environmental Liaison Officer for the Louisiana Recovery Office, at katherine.zeringue@dhs.gov or (504)-762-2256, or Jerame Cramer, Deputy Environmental Liaison Officer for the Louisiana Recovery Office, at jerame.cramer@dhs.gov or (504) 762-2917.

Sincerely,

Adrian Seward (CTR)
FLUOR Contractor
Federal Emergency Management Agency
1 Seine Court, New Orleans LA, 4th Floor
Cell: 504.432.6368
Desk: 504.762.2238



FEMA

U.S. Department of Homeland Security
Federal Emergency Management Agency
FEMA-1603/1607/1786/1792 -DR-LA
Louisiana Recovery Office
Environmental/Historic Preservation
1 Seine Court
New Orleans, LA 70114

March 21, 2012

Gregory Pyle
Chief
Choctaw Nation of Oklahoma
623 N 16th
Durant OK 74702

RE: Section 106 Review Consultation, Hurricane Katrina, FEMA-1603-DR-LA

Applicant: Vermilion Parish
Undertaking: Construction of Flood Protection Embankment, 14202 Savoy Road,
Abbeville, Vermilion Parish, LA (HMGP Project #1603-0237)
Determination: **No Historic Properties Affected**

Dear Chief Pyle:

The Federal Emergency Management Agency (FEMA) will be providing funds authorized under the Robert T. Stafford Disaster Relief and Emergency Assistance Act, P.L. 93-288, as amended, in response to the following major Disaster Declaration:

FEMA-1603-DR-LA, dated August 29, 2005, as amended.

FEMA, through its 404 Hazard Mitigation Program, proposes to fund the flood protection embankment at 14202 Savoy Road, Abbeville, Vermilion Parish, LA (Undertaking) as requested by Vermilion Parish (Applicant). FEMA is initiating Section 106 review for the above referenced properties in accordance with the Louisiana State-Specific Programmatic Agreement among FEMA, the Louisiana Governor's Office of Homeland Security and Emergency Preparedness (GOHSEP), the Louisiana State Historic Preservation Officer of the Department of Culture Recreation and Tourism (SHPO), the Alabama-Coushatta Tribe of Texas (ACTT), the Chitimacha Tribe of Louisiana (CTL), the Choctaw Nation of Oklahoma (CNO), the Jena Band of Choctaw Indians (JBCI), the Mississippi Band of Choctaw Indians (MBCI), the Seminole Tribe of Florida (STF), and the Advisory Council on Historic Preservation (ACHP) regarding FEMA's Hazard Mitigation Grant Program (2011 LA HMGP PA) dated January 31st, 2011 and providing the Choctaw Nation of Oklahoma with the opportunity to consult on the proposed Undertaking. Documentation in this letter is consistent with the requirements in 36 CFR §800.11(d).

Description of the Undertaking

The proposed project consists of the retrofit construction of an embankment and flood wall to protect the Vermilion Parish Detention Center (Figures 2, 3, & 5) from flood waters. A combination of approximately 2,633 linear feet of earthen embankment and 566 linear feet of concrete flood wall will comprise the flood control perimeter that will protect the facility from future flooding events. The project also includes a rework of the internal storm drainage system and the addition of a wet

well containing two (2) 25-horsepower pumps to adequately route the 1-percent storm from the property without flooding the existing building. Potential ground-disturbance associated with this Scope of Work (SOW) includes excavations associated with reworking of the drainage system, removal/displacement of native soils during construction of the floodwall, and rutting from heavy machinery use and staging. A 7.5 USGS map of the Undertaking Location can be observed in Figure 1.

Area of Potential Effects (APE)

In accordance with Stipulation VII.B of the LA HMGP, the APE for both the standing structures and archaeology were developed in coordination with SHPO staff. The APEs for archaeology and standing structures can be observed in Figure 2. The archaeological APE measures approximately 20 acres.

Identification and Evaluation

Standing Structures

On March 12, 2012 FEMA Historic Preservation Staff consulted the National Register of Historic Places (NRHP) database and the Louisiana Cultural Resources Map and determined that the prison facility located at 14202 Savoy Road, Abbeville, Vermilion Parish, LA is not within a listed or eligible National Register Historic District nor is it located within view-shed of an individually listed National Register Historic Property. Constructed in 1981, the facility is less than fifty (50) years of age and does not meet the criteria to qualify for NRHP listing under Criterion Consideration G. Additionally; there are no structures or buildings within the standing structures view-shed (Figures 5-12). The subject property is provided in the table below.

	Locality	Address	Latitude	Longitude	Date Built	FEMA Eligibility Determination
1.	Abbeville	14202 Savoy Road	29.946872	-92.091938	1981	Not Eligible under Criterion Consideration G

Archaeology

No historic maps or other archival materials were located that depict the subject property. The area has not been previously surveyed for archaeological or historic resources. FEMA Historic Preservation personnel performed a site visit to the facility on March 6, 2012. At the time of the field inspection, the croplands surrounding the prison had been recently plowed in preparation for spring planting, providing excellent surface visibility. Soils consisted of fine-grained silt loam indicative of prairie loess deposits. The fields were systematically inspected for any evidence of cultural materials or features. A total of three scattered pieces of historic ceramics (two pieces of ironstone and one porcelain fragment) were noted in the northwestern-most plowed field, but did not occur in any concentration or amount that would be indicative of a historic homestead in the area. No brick, glass or other structure-related remains were identified during the surface inspection. In addition to inspection of the plowed fields, the cut-bank of Young’s North Coulee (an artificial canal forming the western boundary of the project area) was examined for any evidence of cultural deposits, but none were identified.

Assessment of Effects

Based on the aforementioned identification and evaluation, FEMA has determined that there are no historic properties as defined in 36 CFR 800.16(l) within the APE. Therefore, FEMA has determined a finding of **No Historic Properties Affected** for this Undertaking and is submitting this Undertaking to you for your review and comment. FEMA requests your comments within 30 days.

We look forward to your concurrence with this determination. Should you have any questions or need additional information regarding this Undertaking, please contact Jeramé Cramer, Deputy Environmental Liaison Officer, at (504) 762-2917 or Jerame.Cramer@dhs.gov or Dan DiGiuseppe, FEMA Historic Preservation Specialist, at (504)-762-2977 or Daniell.DiGiuseppe@dhs.gov, & Michael Wilder, FEMA Archaeologist at (504)-444-4590 or Michael.Wilder@dhs.gov.

Sincerely,

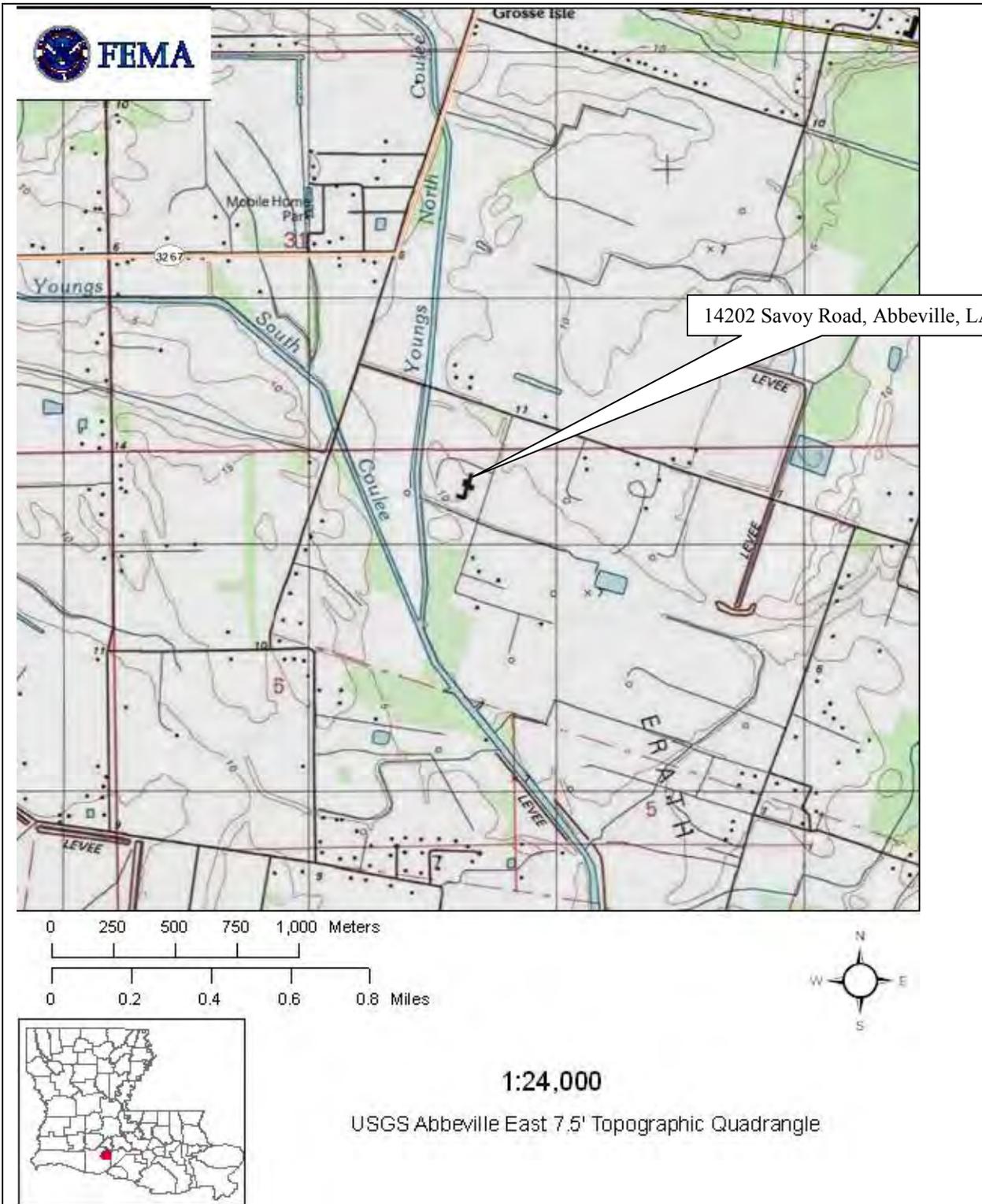


Katherine Zeringue
Environmental Liaison Officer
FEMA-DR-1603-LA, FEMA-DR-1607-LA,
FEMA-DR-1786-LA, FEMA-DR-1792-LA.

CC: File
Ian Thompson, Director/THPO
Choctaw Nation of Oklahoma

Enclosures

Figure 1	Map Name: USGS Abbeville East 7.5' Topographic Quadrangle Map 1:24,000 HMGP 1603-0237 Address: 14202 Savoy Road, Abbeville, LA Coordinates: 29.946872, -92.091938
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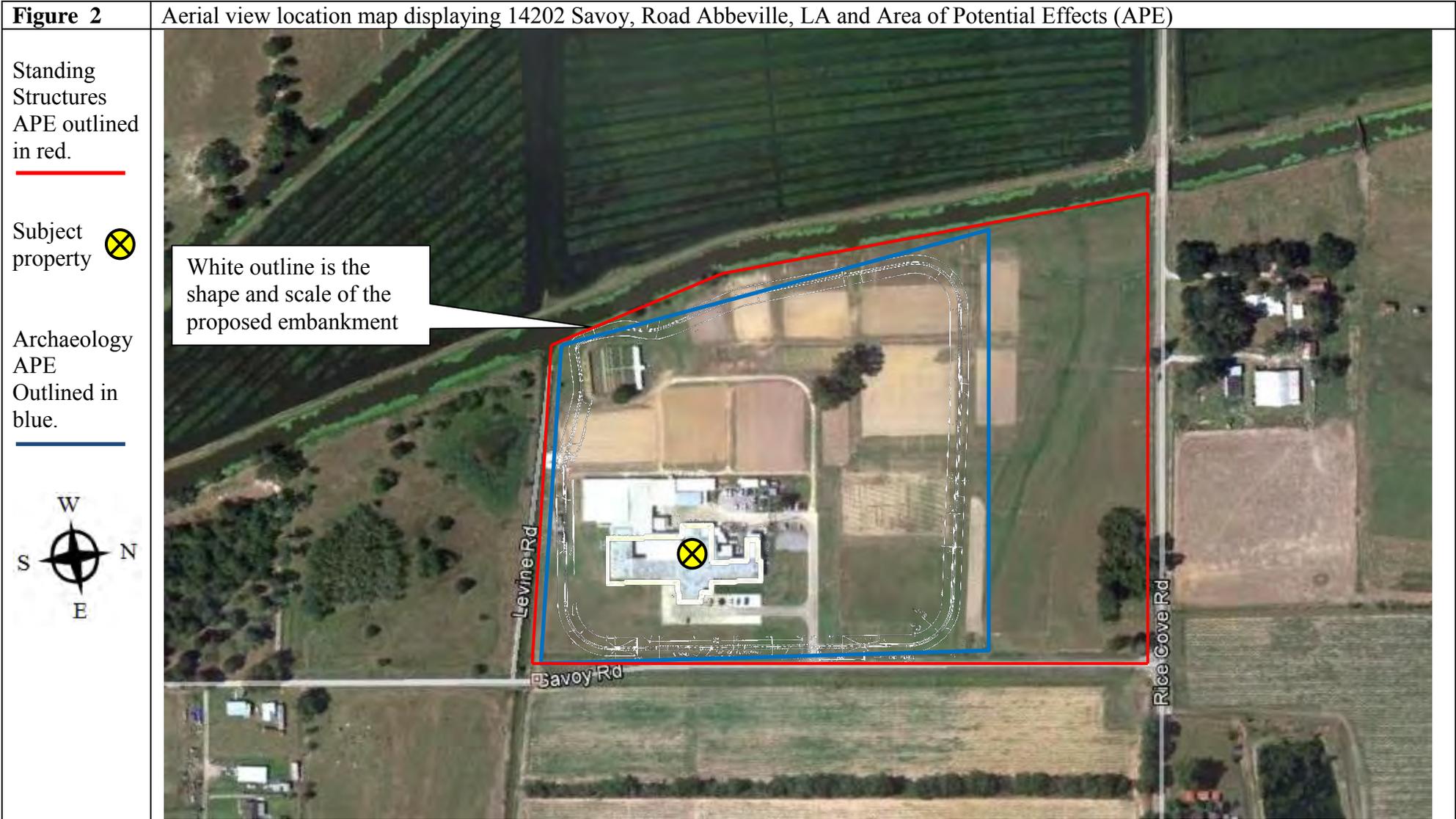
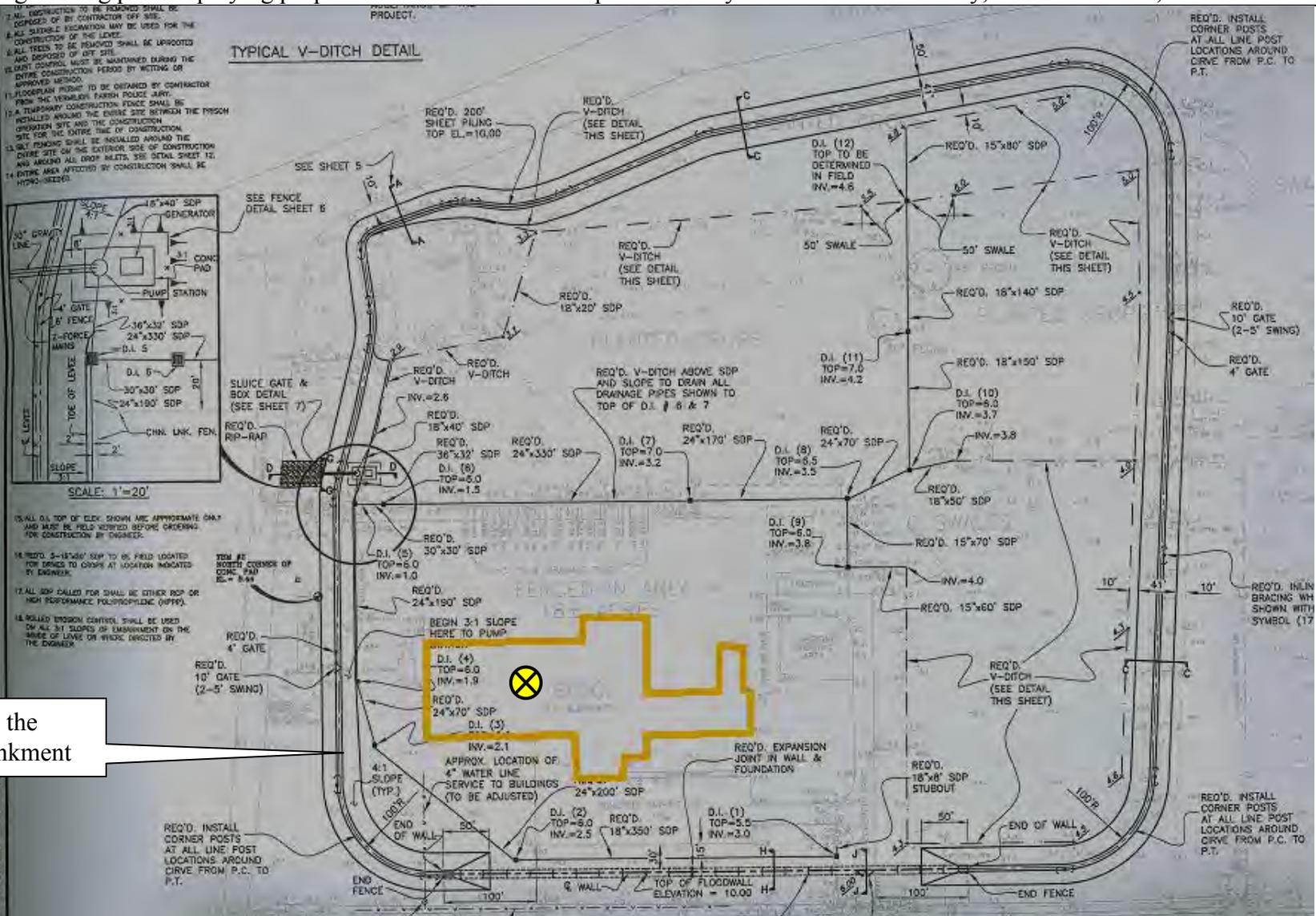


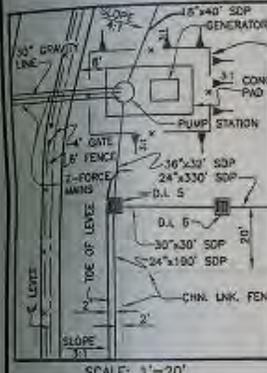
Figure 3 Engineering plan displaying proposed embankment around prison facility located at 14202 Savoy, Road Abbeville, LA

Subject property 



Black outline is the proposed embankment

1. ALL CONSTRUCTION TO BE REMOVED SHALL BE REMOVED BY CONTRACTOR OFF SITE.
2. EXPOSED OF BY CONTRACTOR OFF SITE.
3. ALL SCHEDULE ELEVATION MAY BE USED FOR THE CONSTRUCTION OF THE LEVEE.
4. ALL TREES TO BE REMOVED SHALL BE UPROOTED AND DISPOSED OF OFF SITE.
5. ALL EXISTING UTILITIES MUST BE MAINTAINED DURING THE ENTIRE CONSTRUCTION PERIOD BY WRITING OR APPROVED METHOD.
6. FLOODPLAIN PERMITS TO BE OBTAINED BY CONTRACTOR FROM THE VERMILION PARISH POLICE JURY.
7. A TEMPORARY CONSTRUCTION FENCE SHALL BE INSTALLED AROUND THE EXISTING SITE BETWEEN THE PRISON DRIVE SITE AND THE CONSTRUCTION DRIVE SITE FOR THE ENTIRE TIME OF CONSTRUCTION.
8. ALL LIGHT FENCING SHALL BE REINSTALLED AROUND THE DRIVE SITE ON THE EXTERIOR SIDE OF CONSTRUCTION AND AROUND ALL DROP BUILTS. SEE DETAIL SHEET 12.
9. ENTIRE AREA AFFECTED BY CONSTRUCTION SHALL BE HYDRO-SEEDED.



13. ALL D.I. TOP OF BULK. SHOWN ARE APPROXIMATE ONLY AND MUST BE FIELD VERIFIED BEFORE ORDERING FOR CONSTRUCTION BY ENGINEER.
14. REQ'D. 5'-18\"/>

17. ALL SDP CALLED FOR SHALL BE EITHER RCP OR HIGH PERFORMANCE POLYPROPYLENE (HPPE).
18. ROLLER EROSION CONTROL SHALL BE USED ON ALL 3:1 SLOPES OF EMBANKMENT OR THE SPACE OF LEVEE OR WYSE DIRECTED BY THE ENGINEER.

Figure 4	Prison facility (constructed 1981) located at 14202 Savoy, Road Abbeville, LA 
View towards north	View-shed photography surrounding 14202 Savoy, Road Abbeville, LA 
View towards northeast	View-shed photography surrounding 14202 Savoy, Road Abbeville, LA 

<p>Figure 7</p> <p>View towards east</p>	<p>View-shed photography surrounding 14202 Savoy, Road Abbeville, LA</p> 
<p>Figure 8</p> <p>View towards southeast</p>	<p>View-shed photography surrounding 14202 Savoy, Road Abbeville, LA</p> 
<p>Figure 9</p> <p>View towards south</p>	<p>View-shed photography surrounding 14202 Savoy, Road Abbeville, LA</p> 

<p>Figure 10</p> <p>View towards southwest</p>	<p>View-shed photography surrounding 14202 Savoy, Road Abbeville, LA</p>  A wide-angle photograph showing a large, flat, green field under a clear blue sky. In the distance, there is a line of trees and some buildings. The field appears to be a mix of grass and bare earth.
<p>Figure 11</p> <p>View towards west</p>	<p>View-shed photography surrounding 14202 Savoy, Road Abbeville, LA</p>  A photograph showing a large, flat, green field. A person is visible in the distance, walking across the field. The field is mostly green with some brown patches. In the background, there is a line of trees and some buildings.
<p>Figure 12</p> <p>View towards northwest</p>	<p>View-shed photography surrounding 14202 Savoy, Road Abbeville, LA</p>  A photograph showing a large, flat, green field. A utility pole is visible in the distance. The field is mostly green with some brown patches. In the background, there is a line of trees and some buildings.



FEMA

U.S. Department of Homeland Security
Federal Emergency Management Agency
FEMA-1603/1607/1786/1792 -DR-LA
Louisiana Recovery Office
Environmental/Historic Preservation
1 Seine Court
New Orleans, LA 70114

March 21, 2012

John Paul Darden
Chairman
Chitimacha Tribe of Louisiana
155 Chitimacha Loop
Charenton LA 70523

RE: Section 106 Review Consultation, Hurricane Katrina, FEMA-1603-DR-LA

Applicant: Vermilion Parish

Undertaking: Construction of Flood Protection Embankment, 14202 Savoy Road,
Abbeville, Vermilion Parish, LA (HMGP Project #1603-0237)

Determination: No Historic Properties Affected

Dear Chairman Darden:

The Federal Emergency Management Agency (FEMA) will be providing funds authorized under the Robert T. Stafford Disaster Relief and Emergency Assistance Act, P.L. 93-288, as amended, in response to the following major Disaster Declaration:

FEMA-1603-DR-LA, dated August 29, 2005, as amended.

FEMA, through its 404 Hazard Mitigation Program, proposes to fund the flood protection embankment at 14202 Savoy Road, Abbeville, Vermilion Parish, LA (Undertaking) as requested by Vermilion Parish (Applicant). FEMA is initiating Section 106 review for the above referenced properties in accordance with the Louisiana State-Specific Programmatic Agreement among FEMA, the Louisiana Governor's Office of Homeland Security and Emergency Preparedness (GOHSEP), the Louisiana State Historic Preservation Officer of the Department of Culture Recreation and Tourism (SHPO), the Alabama-Coushatta Tribe of Texas (ACTT), the Chitimacha Tribe of Louisiana (CTL), the Choctaw Nation of Oklahoma (CNO), the Jena Band of Choctaw Indians (JBCI), the Mississippi Band of Choctaw Indians (MBCI), the Seminole Tribe of Florida (STF), and the Advisory Council on Historic Preservation (ACHP) regarding FEMA's Hazard Mitigation Grant Program (2011 LA HMGP PA) dated January 31st, 2011 and providing the Chitimacha Tribe of Louisiana with the opportunity to consult on the proposed Undertaking. Documentation in this letter is consistent with the requirements in 36 CFR §800.11(d).

Description of the Undertaking

The proposed project consists of the retrofit construction of an embankment and flood wall to protect the Vermilion Parish Detention Center (Figures 2, 3, & 5) from flood waters. A combination of approximately 2,633 linear feet of earthen embankment and 566 linear feet of concrete flood wall will comprise the flood control perimeter that will protect the facility from future flooding events. The project also includes a rework of the internal storm drainage system and the addition of a wet

well containing two (2) 25-horsepower pumps to adequately route the 1-percent storm from the property without flooding the existing building. Potential ground-disturbance associated with this Scope of Work (SOW) includes excavations associated with reworking of the drainage system, removal/displacement of native soils during construction of the floodwall, and rutting from heavy machinery use and staging. A 7.5 USGS map of the Undertaking Location can be observed in Figure 1.

Area of Potential Effects (APE)

In accordance with Stipulation VII.B of the LA HMGP, the APE for both the standing structures and archaeology were developed in coordination with SHPO staff. The APEs for archaeology and standing structures can be observed in Figure 2. The archaeological APE measures approximately 20 acres.

Identification and Evaluation

Standing Structures

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	Locality	Address	Latitude	Longitude	Date Built	FEMA Eligibility Determination
1.	Abbeville	14202 Savoy Road	29.946872	-92.091938	1981	Not Eligible under Criterion Consideration G

Archaeology

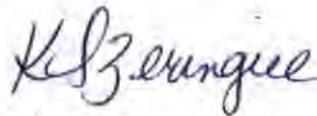
No historic maps or other archival materials were located that depict the subject property. The area has not been previously surveyed for archaeological or historic resources. FEMA Historic Preservation personnel performed a site visit to the facility on March 6, 2012. At the time of the field inspection, the croplands surrounding the prison had been recently plowed in preparation for spring planting, providing excellent surface visibility. Soils consisted of fine-grained silt loam indicative of prairie loess deposits. The fields were systematically inspected for any evidence of cultural materials or features. A total of three scattered pieces of historic ceramics (two pieces of ironstone and one porcelain fragment) were noted in the northwestern-most plowed field, but did not occur in any concentration or amount that would be indicative of a historic homestead in the area. No brick, glass or other structure-related remains were identified during the surface inspection. In addition to inspection of the plowed fields, the cut-bank of Young’s North Coulee (an artificial canal forming the western boundary of the project area) was examined for any evidence of cultural deposits, but none were identified.

Assessment of Effects

Based on the aforementioned identification and evaluation, FEMA has determined that there are no historic properties as defined in 36 CFR 800.16(l) within the APE. Therefore, FEMA has determined a finding of **No Historic Properties Affected** for this Undertaking and is submitting this Undertaking to you for your review and comment. FEMA requests your comments within 30 days.

We look forward to your concurrence with this determination. Should you have any questions or need additional information regarding this Undertaking, please contact Jeramé Cramer, Deputy Environmental Liaison Officer, at (504) 762-2917 or Jerame.Cramer@dhs.gov or Dan DiGiuseppe, FEMA Historic Preservation Specialist, at (504)-762-2977 or Daniell.DiGiuseppe@dhs.gov, & Michael Wilder, FEMA Archaeologist at (504)-444-4590 or Michael.Wilder@dhs.gov.

Sincerely,

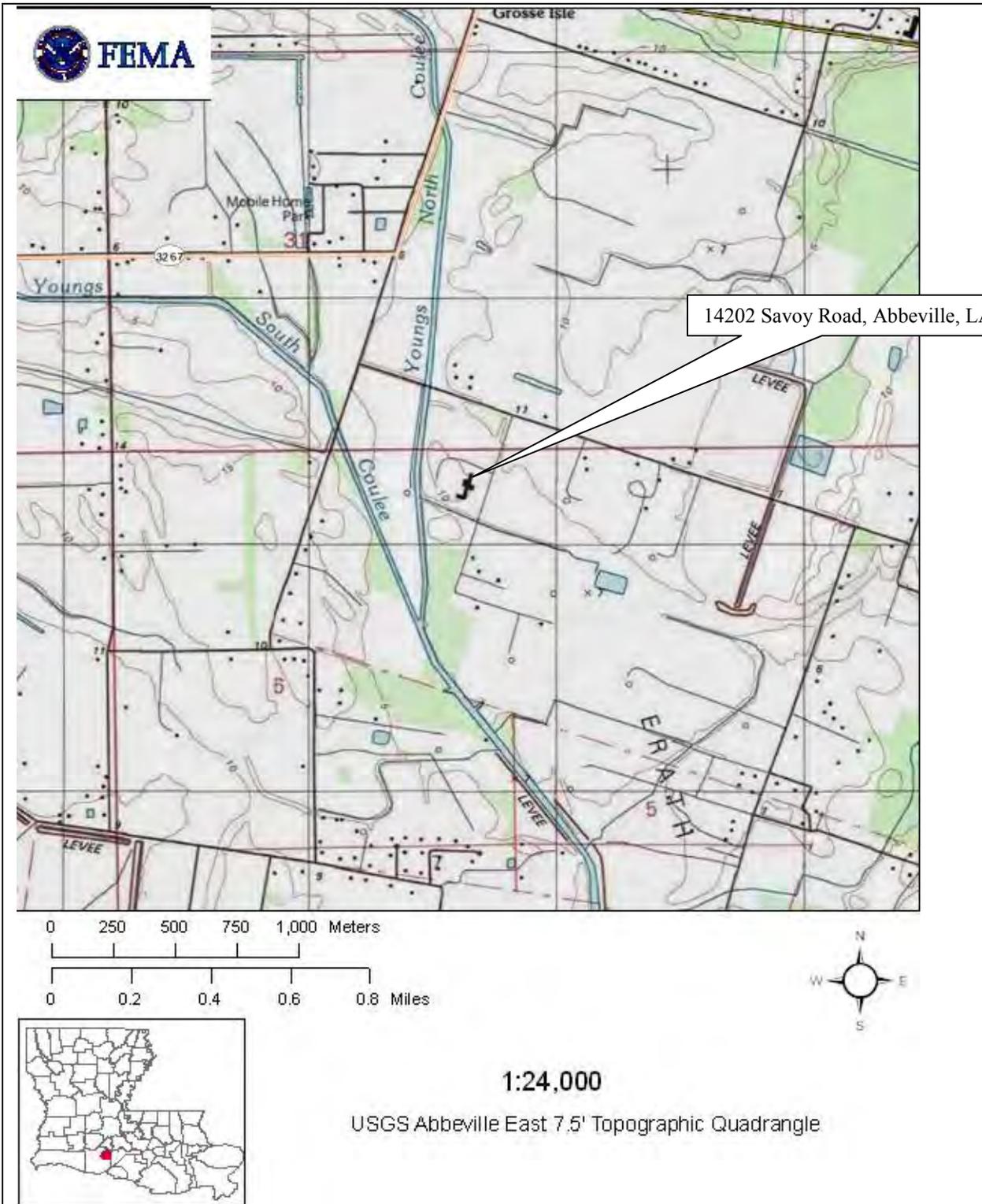


Katherine Zeringue
Environmental Liaison Officer
FEMA-DR-1603-LA, FEMA-DR-1607-LA,
FEMA-DR-1786-LA, FEMA-DR-1792-LA.

CC: File
Kimberly Walden, Cultural Director
Chitimacha Tribe of Louisiana

Enclosures

Figure 1	Map Name: USGS Abbeville East 7.5' Topographic Quadrangle Map 1:24,000 HMGP 1603-0237 Address: 14202 Savoy Road, Abbeville, LA Coordinates: 29.946872, -92.091938
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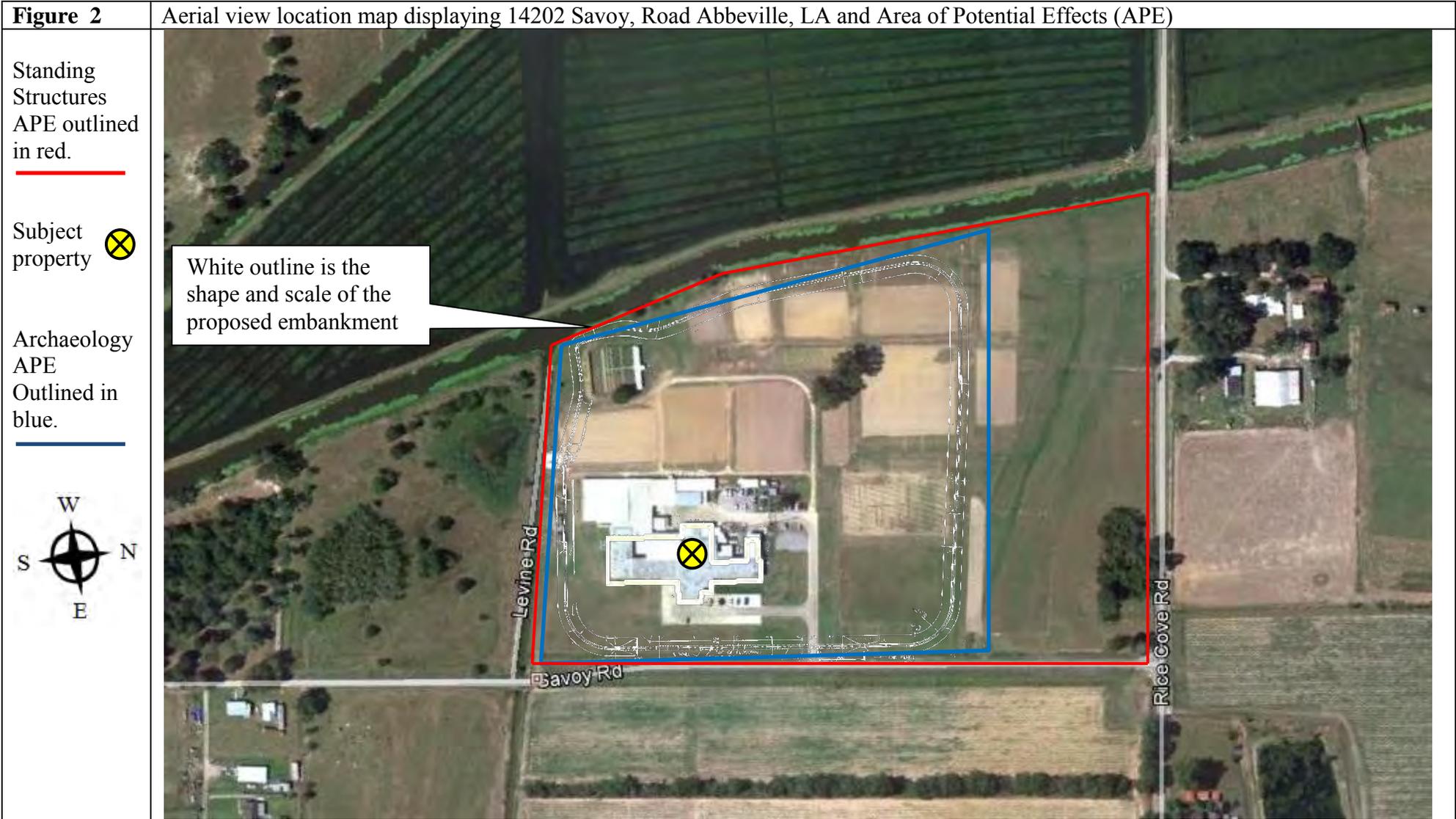


Figure 4	Prison facility (constructed 1981) located at 14202 Savoy, Road Abbeville, LA 
View towards north	View-shed photography surrounding 14202 Savoy, Road Abbeville, LA 
View towards northeast	View-shed photography surrounding 14202 Savoy, Road Abbeville, LA 

<p>Figure 7</p> <p>View towards east</p>	<p>View-shed photography surrounding 14202 Savoy, Road Abbeville, LA</p> 
<p>Figure 8</p> <p>View towards southeast</p>	<p>View-shed photography surrounding 14202 Savoy, Road Abbeville, LA</p> 
<p>Figure 9</p> <p>View towards south</p>	<p>View-shed photography surrounding 14202 Savoy, Road Abbeville, LA</p> 

<p>Figure 10</p> <p>View towards southwest</p>	<p>View-shed photography surrounding 14202 Savoy, Road Abbeville, LA</p>  A wide-angle photograph showing a large, flat, green field under a clear blue sky. In the distance, there is a line of trees and some buildings. The field appears to be a mix of grass and bare earth.
<p>Figure 11</p> <p>View towards west</p>	<p>View-shed photography surrounding 14202 Savoy, Road Abbeville, LA</p>  A photograph of a large green field with a dirt path or road running through it. A person is visible in the distance on the right side, walking. The background shows a line of trees and a clear sky.
<p>Figure 12</p> <p>View towards northwest</p>	<p>View-shed photography surrounding 14202 Savoy, Road Abbeville, LA</p>  A photograph showing a large green field with a dirt path or road. A utility pole is visible on the left side. The background features a line of trees and a clear sky.

From: Seward, Adrian (CTR)
To: ["danammasters@aol.com"](mailto:danammasters@aol.com)
Subject: FEMA Section 106 Consultation: Vermilion Parish Drainage
Date: Friday, March 23, 2012 5:13:00 PM
Attachments: [JBCI_HMGP_1603-0237_Vermilion Parish Drainage.pdf](#)

March 23, 2012

Dear Dana:

Attached is the Tribal Section 106 consultation regarding construction of flood protection embankment in Vermilion Parish. FEMA has determined that there will be no historic properties affected as a result of this undertaking. If you have comments regarding this project, please notify FEMA by 4/7/12.

Should you have any other questions or comments, please contact Katherine Zeringue, FEMA Environmental Liaison Officer for the Louisiana Recovery Office, at katherine.zeringue@dhs.gov or (504)-762-2256, or Jerame Cramer, Deputy Environmental Liaison Officer for the Louisiana Recovery Office, at jerame.cramer@dhs.gov or (504) 762-2917.

Sincerely,

Adrian Seward (CTR)
FLUOR Contractor
Federal Emergency Management Agency
1 Seine Court, New Orleans LA, 4th Floor
Cell: 504.432.6368
Desk: 504.762.2238



FEMA

U.S. Department of Homeland Security
Federal Emergency Management Agency
FEMA-1603/1607/1786/1792 -DR-LA
Louisiana Recovery Office
Environmental/Historic Preservation
1 Seine Court
New Orleans, LA 70114

March 21, 2012

B. Cheryl Smith
Chief
Jena Band of Choctaw Indians
1052 Chanaha Hina St.
Trout LA 71371

RE: Section 106 Review Consultation, Hurricane Katrina, FEMA-1603-DR-LA

Applicant: Vermilion Parish
Undertaking: Construction of Flood Protection Embankment, 14202 Savoy Road,
Abbeville, Vermilion Parish, LA (HMGP Project #1603-0237)
Determination: **No Historic Properties Affected**

Dear Chief Smith:

The Federal Emergency Management Agency (FEMA) will be providing funds authorized under the Robert T. Stafford Disaster Relief and Emergency Assistance Act, P.L. 93-288, as amended, in response to the following major Disaster Declaration:

FEMA-1603-DR-LA, dated August 29, 2005, as amended.

FEMA, through its 404 Hazard Mitigation Program, proposes to fund the flood protection embankment at 14202 Savoy Road, Abbeville, Vermilion Parish, LA (Undertaking) as requested by Vermilion Parish (Applicant). FEMA is initiating Section 106 review for the above referenced properties in accordance with the Louisiana State-Specific Programmatic Agreement among FEMA, the Louisiana Governor's Office of Homeland Security and Emergency Preparedness (GOHSEP), the Louisiana State Historic Preservation Officer of the Department of Culture Recreation and Tourism (SHPO), the Alabama-Coushatta Tribe of Texas (ACTT), the Chitimacha Tribe of Louisiana (CTL), the Choctaw Nation of Oklahoma (CNO), the Jena Band of Choctaw Indians (JBCI), the Mississippi Band of Choctaw Indians (MBCI), the Seminole Tribe of Florida (STF), and the Advisory Council on Historic Preservation (ACHP) regarding FEMA's Hazard Mitigation Grant Program (2011 LA HMGP PA) dated January 31st, 2011 and providing the Jena Band of Choctaw Indians with the opportunity to consult on the proposed Undertaking. Documentation in this letter is consistent with the requirements in 36 CFR §800.11(d).

Description of the Undertaking

The proposed project consists of the retrofit construction of an embankment and flood wall to protect the Vermilion Parish Detention Center (Figures 2, 3, & 5) from flood waters. A combination of approximately 2,633 linear feet of earthen embankment and 566 linear feet of concrete flood wall will comprise the flood control perimeter that will protect the facility from future flooding events. The project also includes a rework of the internal storm drainage system and the addition of a wet

well containing two (2) 25-horsepower pumps to adequately route the 1-percent storm from the property without flooding the existing building. Potential ground-disturbance associated with this Scope of Work (SOW) includes excavations associated with reworking of the drainage system, removal/displacement of native soils during construction of the floodwall, and rutting from heavy machinery use and staging. A 7.5 USGS map of the Undertaking Location can be observed in Figure 1.

Area of Potential Effects (APE)

In accordance with Stipulation VII.B of the LA HMGP, the APE for both the standing structures and archaeology were developed in coordination with SHPO staff. The APEs for archaeology and standing structures can be observed in Figure 2. The archaeological APE measures approximately 20 acres.

Identification and Evaluation

Standing Structures

On March 12, 2012 FEMA Historic Preservation Staff consulted the National Register of Historic Places (NRHP) database and the Louisiana Cultural Resources Map and determined that the prison facility located at 14202 Savoy Road, Abbeville, Vermilion Parish, LA is not within a listed or eligible National Register Historic District nor is it located within view-shed of an individually listed National Register Historic Property. Constructed in 1981, the facility is less than fifty (50) years of age and does not meet the criteria to qualify for NRHP listing under Criterion Consideration G. Additionally; there are no structures or buildings within the standing structures view-shed (Figures 5-12). The subject property is provided in the table below.

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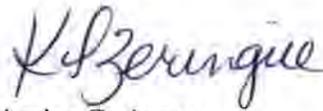
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Assessment of Effects

Based on the aforementioned identification and evaluation, FEMA has determined that there are no historic properties as defined in 36 CFR 800.16(l) within the APE. Therefore, FEMA has determined a finding of **No Historic Properties Affected** for this Undertaking and is submitting this Undertaking to you for your review and comment. FEMA requests your comments within 15 days.

We look forward to your concurrence with this determination. Should you have any questions or need additional information regarding this Undertaking, please contact Jeramé Cramer, Deputy Environmental Liaison Officer, at (504) 762-2917 or Jerame.Cramer@dhs.gov or Dan DiGiuseppe, FEMA Historic Preservation Specialist, at (504)-762-2977 or Daniell.DiGiuseppe@dhs.gov, & Michael Wilder, FEMA Archaeologist at (504)-444-4590 or Michael.Wilder@dhs.gov.

Sincerely,



Katherine Zeringue
Environmental Liaison Officer
FEMA-DR-1603-LA, FEMA-DR-1607-LA,
FEMA-DR-1786-LA, FEMA-DR-1792-LA.

CC: File
Dana Masters, Tribal Historic Preservation Officer
Jena Band of Choctaw Indians

Enclosures

Figure 1	Map Name: USGS Abbeville East 7.5' Topographic Quadrangle Map 1:24,000 HMGP 1603-0237 Address: 14202 Savoy Road, Abbeville, LA Coordinates: 29.946872, -92.091938
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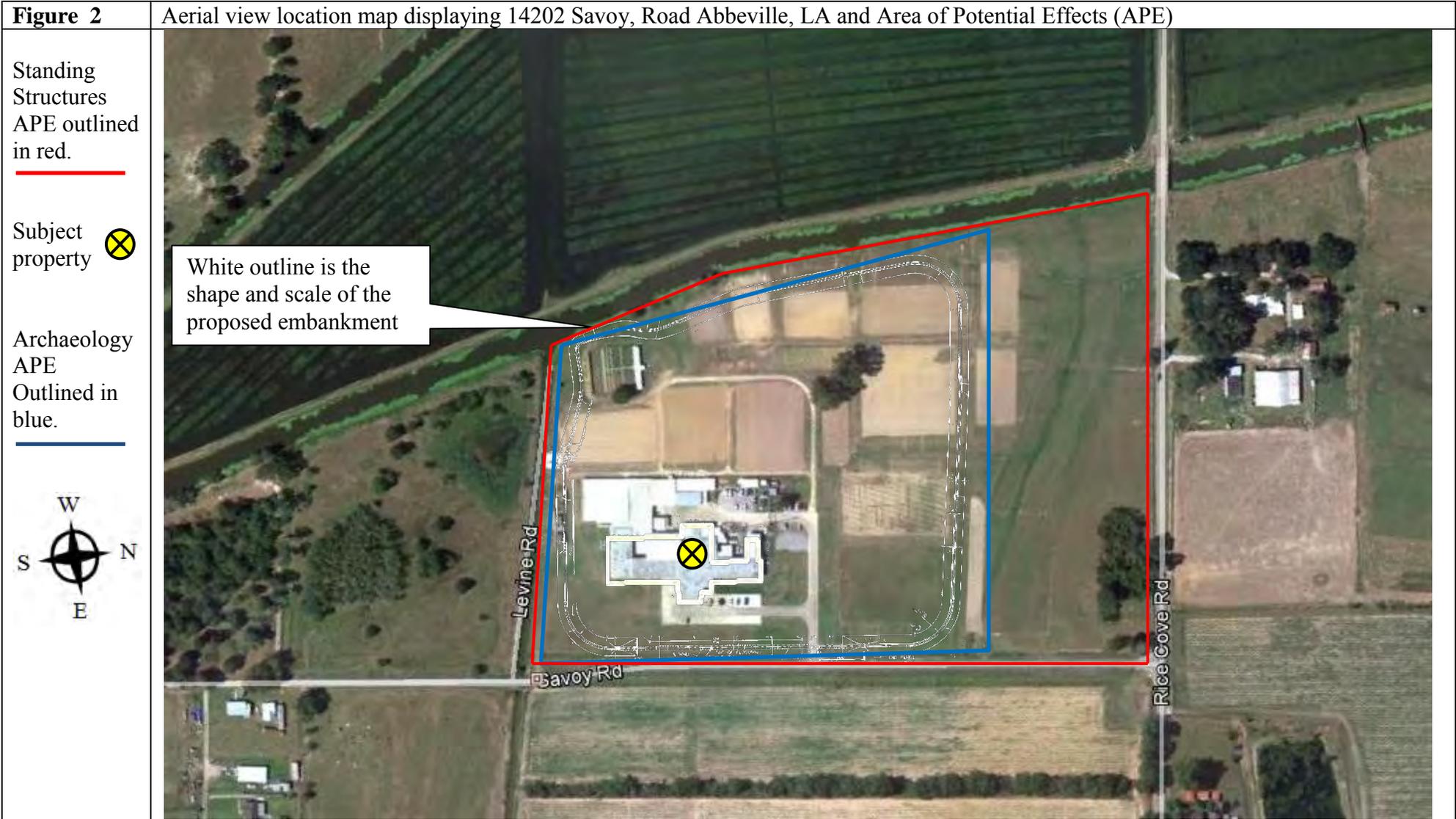


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From: Seward, Adrian (CTR)
To: ["KCarleton@choctaw.org"](mailto:KCarleton@choctaw.org)
Subject: FEMA Section 106 Consultation: Vermilion Parish Drainage
Date: Friday, March 23, 2012 5:13:00 PM
Attachments: [MBCI_HMGP_1603-0237_Vermilion_Parish_Drainage.pdf](#)

March 23, 2012

Dear Ken:

Attached is the Tribal Section 106 consultation regarding construction of flood protection embankment in Vermilion Parish. FEMA has determined that there will be no historic properties affected as a result of this undertaking. If you have comments regarding this project, please notify FEMA by 4/22/12.

Should you have any other questions or comments, please contact Katherine Zeringue, FEMA Environmental Liaison Officer for the Louisiana Recovery Office, at katherine.zeringue@dhs.gov or (504)-762-2256, or Jerame Cramer, Deputy Environmental Liaison Officer for the Louisiana Recovery Office, at jerame.cramer@dhs.gov or (504) 762-2917.

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Adrian Seward (CTR)
FLUOR Contractor
Federal Emergency Management Agency
1 Seine Court, New Orleans LA, 4th Floor
Cell: 504.432.6368
Desk: 504.762.2238



FEMA

U.S. Department of Homeland Security
Federal Emergency Management Agency
FEMA-1603/1607/1786/1792 -DR-LA
Louisiana Recovery Office
Environmental/Historic Preservation
1 Seine Court
New Orleans, LA 70114

March 21, 2012

Phyliss J. Anderson
Chief
Mississippi Band of Choctaw Indians
Natural Resources Bldg., 101 Industrial Rd.
Choctaw MS 39350

RE: Section 106 Review Consultation, Hurricane Katrina, FEMA-1603-DR-LA

Applicant: Vermilion Parish
Undertaking: Construction of Flood Protection Embankment, 14202 Savoy Road,
Abbeville, Vermilion Parish, LA (HMGP Project #1603-0237)
Determination: **No Historic Properties Affected**

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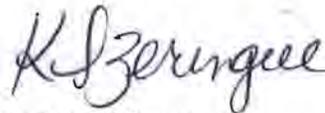
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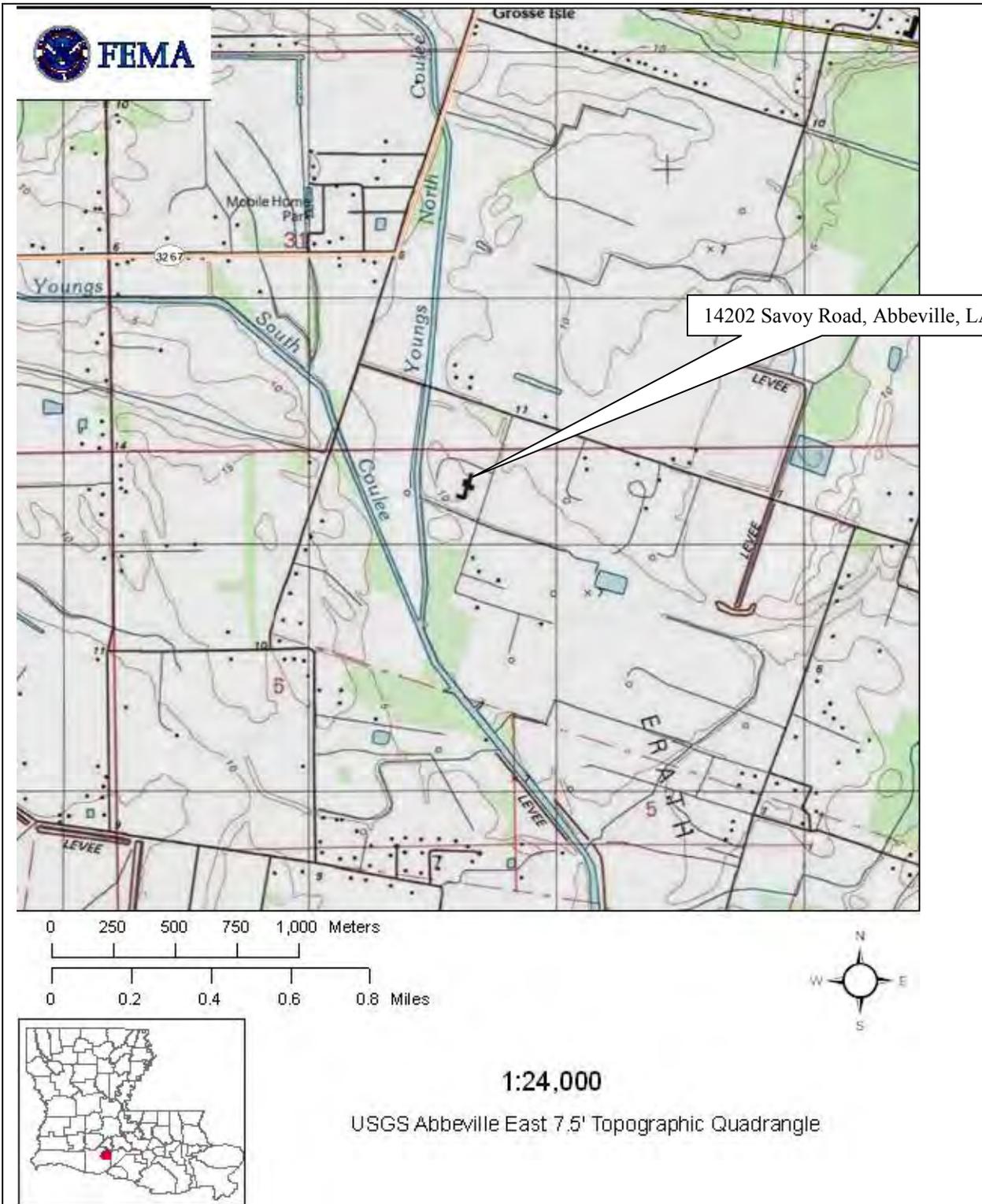


Katherine Zeringue
Environmental Liaison Officer
FEMA-DR-1603-LA, FEMA-DR-1607-LA,
FEMA-DR-1786-LA, FEMA-DR-1792-LA.

CC: File
Kenneth Carleton, Historic Preservation Officer/Archaeologist
Mississippi Band of Choctaw Indians

Enclosures

Figure 1	Map Name: USGS Abbeville East 7.5' Topographic Quadrangle Map 1:24,000 HMGP 1603-0237 Address: 14202 Savoy Road, Abbeville, LA Coordinates: 29.946872, -92.091938
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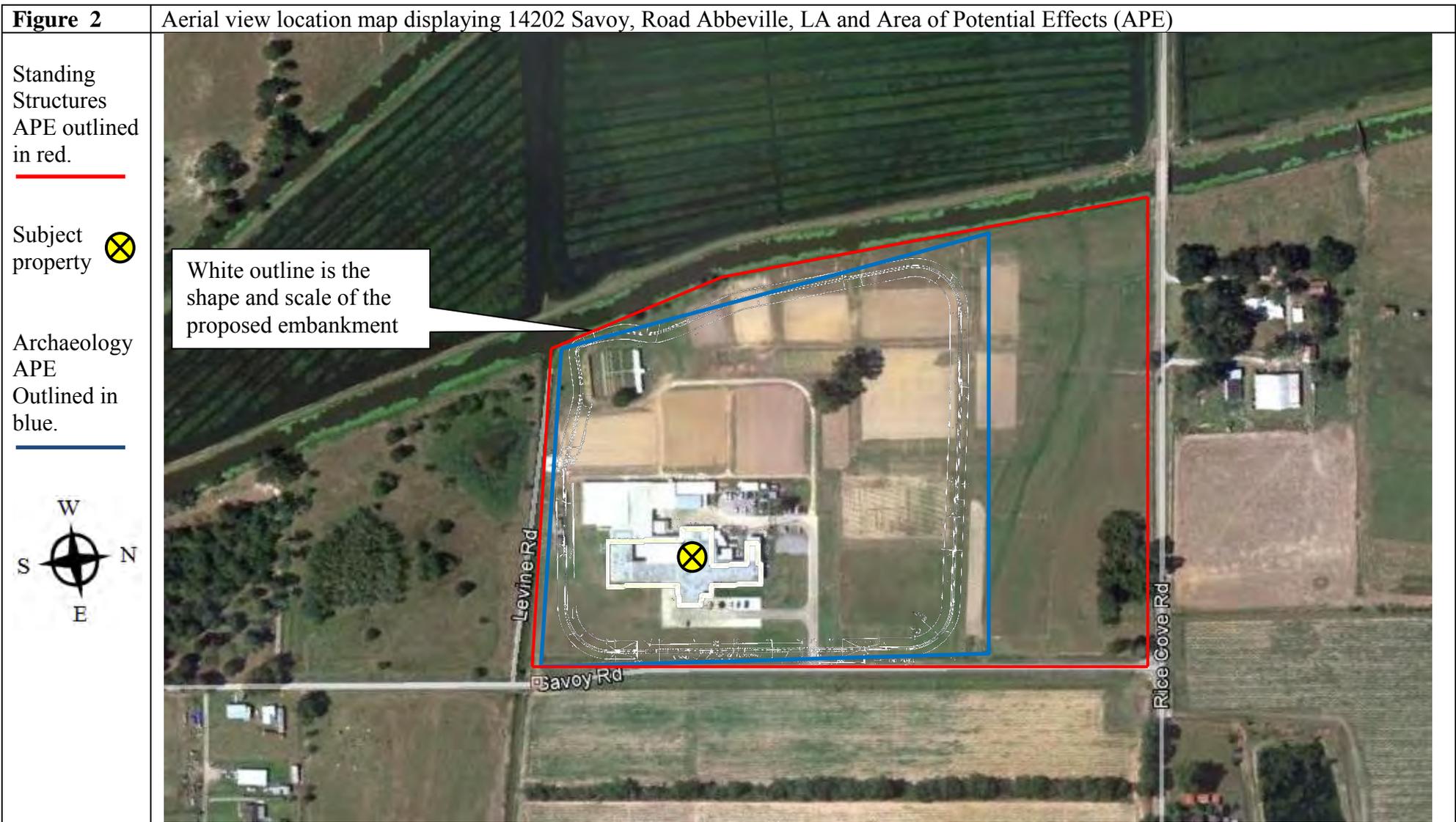


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<p>Figure 11</p> <p>View towards west</p>	<p>View-shed photography surrounding 14202 Savoy, Road Abbeville, LA</p>  A photograph showing a large, flat, green field. A person is visible in the distance, walking across the field. The field is mostly green with some brown patches. In the background, there is a line of trees and some buildings.
<p>Figure 12</p> <p>View towards northwest</p>	<p>View-shed photography surrounding 14202 Savoy, Road Abbeville, LA</p>  A photograph showing a large, flat, green field. A utility pole is visible in the distance. The field is mostly green with some brown patches. In the background, there is a line of trees and some buildings.

Draft

APPENDIX C

8-STEP PROCESS AND H&H STUDY

**VERMILION PARISH DETENTION CENTER FLOOD PROTECTION
PROJECT, ABBEVILLE, LOUISIANA
Executive Order 11988 – Floodplain Management
Eight-Step Decision Making Process**

Executive Order 11988 (Floodplain Management) requires federal agencies “to avoid to the extent possible the long and short term adverse impacts associated with occupancy and modification of the floodplain and to avoid direct or indirect support of floodplain development wherever there is a practicable alternative.” FEMA’s implementing regulations are at 44 CFR Part 9, which includes an eight step decision making process for compliance with this part.

This eight step process is applied to the proposed flood protection project, which consists of the proposed construction of an earthen berm and concrete floodwall with automatic gates to protect the Vermilion Parish Detention Center from flood damage. The entire proposed project area is located within the 100-year floodplain within Vermilion Parish. The steps in the decision making process are as follows:

Step 1 Determine whether the proposed action is in the Base Floodplain

The Parish of Vermilion enrolled in the National Flood Insurance Program (NFIP) on May 15, 1985. According to Effective Digital Flood Insurance Rate Map (DFIRM) 22113C0355F, dated January 19, 2011, the site is located in zone AE (EL 9).

Step 2 Early public notice (Preliminary Notice)

A cumulative public concerning the Hazard Mitigation Grant Program (HMGP) Assistance in floodplain and wetland areas will be or has been published in the New Orleans Times-Picayune, Baton Rouge Advocate, Lafayette Daily Advertiser, Lake Charles American Press, Hammond Star, Monroe News-Star, Shreveport Times, and the Alexandria Daily Town Talk.

Step 3 Identify and evaluate alternatives to locating in the base floodplain.

The entire community surrounding the proposed project area is located within the 100-year floodplain.

ALTERNATIVE 1: NO ACTION: This alternative would leave the Vermilion Parish Detention Center at substantial risk in a highly flood prone area. It is likely future floods would damage the Detention Center beyond repair.

ALTERNATIVE 2: CONSTRUCTION OF EARTHEN BERM/CONCRETE FLOOD WALL RING LEVEE (Proposed Alternative): By constructing the earthen berm/flood wall, flooding of the Vermilion Parish Detention Center will be reduced, while flooding in surrounding residential areas will not be significantly affected.

ALTERNATIVE 3: DEMOLISH THE EXISTING STRUCTURE AND RECONSTRUCT AN ELEVATED STRUCTURE (Dismissed): One alternative considered was to demolish the existing slab-on-grade Detention Center, elevate the site location to the Base Flood Elevation (BFE) listed on the effective DFIRM panel for the project site with fill, and re-build the same size Detention Center, (48,000 square feet) at the same location to house Vermilion Parish criminal offenders. The estimated cost of this alternative, including demolition, would be \$18 million. In addition, during the construction work, the inmates would need to be relocated to one (1) or more other detention facilities, which may result in overcrowding at those facilities. Relocating inmates to other facilities would also increase the inmate housing costs to Vermilion Parish. According to the parish, housing the inmates at the Detention Center costs \$3.50 per day, while housing the inmates at other facilities costs the parish \$25.39 per day (2009 figures). This alternative was dismissed due to the increased costs of the proposed alternative.

Step 4 Identify impacts of the proposed action associated with occupancy or modification of the floodplain.

Impact of natural function of the floodplain

The construction of the earthen berm/concrete floodwall would result in added fill within the floodplain; however, the amount of fill relative to the area of the floodplain is minimal. Flood flows would be minimally impeded and redirected by construction of the proposed flood control structure, which would enclose 15.5 acres of land. In addition, during a flooding event, water that would normally occupy the area within the flood control structure would be pumped outside of, and away from, the flood control structure. However, according the applicant's hydrology and hydraulic studies, the construction of the floodwall will have minimal potential to impact the area immediately surrounding the Detention Center structure and the floodplain in general.

If the applicant would elect to demolish the existing slab-on-grade law enforcement center and elevate the site location to or above the BFE with fill, and reconstruct a facility of the same size at the same location, this alternative would provide protection from flood waters by elevating the entire site; however, this alternative (Alternative 3) would add even more structural fill within the 100-year floodplain than the proposed alternative. If the Parish elected to construct Alternative 3, flood waters during hurricanes or other severe storm events may potentially increase in the surrounding areas and cause more severe flooding in those areas.

Implementing the proposed action is not likely to encourage further development near or adjacent to the Vermilion Parish Detention Center as the flood protection would only be provided to the proposed project site.

The construction of the floodwall will be coordinated and comply with the local floodplain administration. All required permits will be obtained and kept for permanent documentation.

By implementing the proposed activity, flood hazards at the Vermilion Parish Detention Center would be significantly reduced. There are no wetlands in the immediate proposed project area that would be affected by the proposed action.

Impact of the flood water on the proposed facility

During future catastrophic floods, the Detention Center structure would continue to flood and experience damage to the physical structure and the contents of the structure. If the applicant does not implement the proposed action; the Vermilion Parish Detention Center structure would continue to be at risk for flood damage.

Step 5 Design or modify the proposed action to minimize threats to life and property and preserve its natural and beneficial floodplain values.

The proposed project is designed to minimize floodplain impacts while providing flood protection for the Vermilion Parish Detention Center structure. Because the proposed flood control earthen berm/concrete floodwall structure would be located on vacant areas within a sparsely developed residential neighborhood and would enclose only 15.5 acres, it would have minimal effect on the natural and beneficial values of the floodplain

Step 6 Re-evaluate the proposed action.

According to the proposed project site DFIRM panel 22113C0355F (see Figure 9 in the EA text), the vast majority of Vermilion Parish within a reasonable commuting distance of the current Vermilion Parish Detention Center location lies primarily within the 100-year or 500-year floodplain. It is likely that Vermilion Parish would have difficulty identifying suitable locations for a new Detention Center outside of the floodplain that Parish residents would approve of. There are no other practicable alternate locations outside the floodplain available.

The proposed alternative would provide protection to 10 feet above mean sea level. According to the applicant's H&H study, the maximum flooded elevation during the peak of the 100-year flood event was estimated to be 6.0 feet above msl, which is over 2.0 feet below the Detention Center's finished floor elevation of 8.75 feet above msl. The proposed action will reduce or eliminate possible flood hazards at the Vermilion Parish Detention Center, with minimal increase of flood elevations at nearby and adjacent areas. There are no wetlands in the immediate proposed project area that would be affected by the proposed action.

Alternatives consisting of locating the proposed project outside the floodplain or taking "no action" are not practicable.

Step 7 Findings and Public Explanation (Final Notification).

The EA went out for public review from June 5 to June 19, 2012.

After evaluating alternatives, including impacts to the floodplain, Vermilion Parish determined that the proposed project is the most practical alternative.

It was determined that no practicable alternative to constructing the earthen berm/floodwall within the 100-year floodplain because:

1. The entire proposed project area and surrounding community lies within 100-year floodplains and no practical locations outside of the 100-year or 500-year floodplain within a reasonable commuting distance of the existing location could be identified.
2. Rebuilding and elevating a new structure at the existing location is not practicable because it would displace the inmates during reconstruction, requiring that they transferred to other detentions centers, likely causing overcrowding at those facilities, and the cost would extremely high.
3. A “no action” plan would not provide a feasible solution to the flooding problems.

Step 8 Implement the action.

The proposed flood protection project consisting of the construction of an earthen berm/concrete floodwall would be constructed in accordance with all applicable floodplain requirements.

ENGINEERING DESIGN DOCUMENTS

VERMILION PARISH DETENTION CENTER FLOOD PROTECTION EMBANKMENT

14202 Savoy Road, Abbeville, LA 70510

VERMILION PARISH, LOUISIANA

2005 HURRICANE RITA
HMGP #1603-113-0011



Eugene M. Sellers

September 2011
Revised November 2011



Sellers & Associates, Inc.

ENGINEERS

Lafayette - Abbeville

SURVEYORS

Louisiana

TABLE OF CONTENTS

ENGINEERING DESIGN DOCUMENTS

VERMILION PARISH DETENTION CENTER FLOOD PROTECTION EMBANKMENT

14202 Savoy Road, Abbeville, Louisiana 70510

VERMILION PARISH, LOUISIANA

2005 HURRICANE RITA
HMGP #1603-113-0011

1. *Drainage Analysis Report*
2. *Drainage Calculations*
 - A. Drainage Site Plan
 - B. SCS Time of Concentration Calculations
 - C. XP Storm Design Results (10-Year) with Pumps
 - D. XP Storm Design Results (100-Year) with Pumps
 - E. XP Storm Design Results (10-Year) without Pumps
 - F. XP Storm Design Results (100-Year) without Pumps
3. *Head Loss Calculations and Pump Curves*
4. *USDA Soil Survey*
5. *Flood Insurance Maps*
 - A. FIRM #22113C0355F
 - B. FEMA ABFE #LA-CC59
6. *Concrete Flood Retaining Wall Calculations*
 - A. Flood Retaining Wall Calculations
 - B. Temperature and Shrinkage Steel Wall and Base Calculations

DRAINAGE ANALYSIS

Vermilion Parish Detention Center Flood Protection

For

**Vermillion Parish Police Jury
Abbeville, Louisiana**

**September 2011
Revised November 2011**

GENERAL INFORMATION

As a direct result of the coastal flooding due to hurricanes Rita and Katrina, this project proposes the retrofit construction of an embankment and flood wall to protect the Vermilion Parish Detention Center from flood waters. A combination of approximately 2,633-linear feet of earthen embankment and 566-linear feet of concrete flood wall comprise the flood control perimeter that will protect the center from future flooding. The project also includes a rework of the internal storm water drainage system and the addition of a wet well containing two (2) 25-horsepower pumps to adequately route the 1-percent storm from the property without flooding the existing building.

The Detention Center is located in Vermillion Parish southeast of Abbeville, Louisiana in Section 47, Township 12 South, Range 4 East and Section 40, Township 13 South, Range 4 East. The center address is 14202 Savoy Road. The protection system will enclose approximately 15.5-acres of the existing property and lies outside the Louisiana Coastal Zone Boundary. The Federal Emergency Management Agency (FEMA) has placed the Base Flood Elevation (BFE) of the site at an elevation of 9-feet in zone AE as depicted on the Base Flood Elevation Map; Vermillion Parish; Map Number 22113C0355F effective January 19, 2011. The proposed flood wall and associated embankment will be constructed to a finish elevation of 10-feet resulting in one foot of freeboard above the BFE. The existing surface elevations on the property range from 4.5-feet to 8.0-feet above mean sea level. The existing building finish floor elevation of 8.75-feet is below the currently adopted BFE. The existing site is also located within the limits of the FEMA Hurricane Rita Surge Inundation area according to the "Hurricane Rita Surge Inundation and Advisory Base Flood Elevation Map", Map No. LA-CC59 dated March 16, 2006.

Without the proposed protection system, this essential facility is vulnerable from both the 100-year base flood as well as flooding associated from coastal storm surge.

The SCS method was used for the surface drainage design analysis. This analysis is based on computations, methods, and data from Urban Hydrology for Small Watersheds (June 1986), Technical Release Number 55 (TR-55), U.S. Department of Agriculture, Soil Conservation Service, and LADOTD Hydraulics Manual dated March 1997, and the use of XP-SWMM (XP-STORM) software.

The soils within the project area are predominantly comprised of poorly drained, silt loams (Coteau, Frost and Patoutville).

DESIGN CONSIDERATIONS

Hydrological

The proposed site conditions are summarized as follows:

Method of Analysis: Soil Conservation Service (S.C.S.)

Design Storms: 10 and 100-year storm events, 24-hour rainfall = 8.8" and 13.2"

Drainage Area = 15.5-Acres

Weighted Pervious Area Curve = 79

Time of Concentration = 40-minutes

Q(10-year) = 40.9-cfs

Q(100-year) = 67.4-cfs

Model Scenarios

In order to consider worst case drainage scenarios, two model conditions were examined. One case examined the utilization of two (2) 25-horsepower pumps to pump during the 10-year and 100-year, 24-hour rainfall event. This case did not provide any gravity outfalls. The second case considered routing the two rainfall events (10-year and 100-year) through a 30-inch diameter storm drainage pipe outfall without supplemental pumping. The objective was to route the peak of both storms in both conditions without causing backwater flooding that was higher than the existing finished floor elevation (8.75-feet) of the detention center building.

Hydraulics

Drainage inlet DI #5 has been modeled as a node that has storage capacity above the invert of the inlet.

Below is the stage storage relationship at DI #5.

Stage / Storage at DI #5			
Elevation (Feet)	Volume Below (Cu. Yds.)	Volume Difference (Cu. Ft.)	Area (Acres)
1.0	0	0	0.000
3.0	179	4,846	0.111
3.0	179	0	0.000
4.0	179	0	0.000
4.5	181	54	0.005
5.0	504	8,721	0.801
5.5	2,279	47,925	4.401
6.0	5,383	83,808	7.696
6.5	9,863	120,960	11.107

The pumps selected for installation at the wet-well are two (2) 14-inch (4,000-gpm) 25-horsepower at 15-feet total dynamic head, electric Lo- Lift™ pumps. The pumps will operate automatically. Each one actuated by level sensors located at different turn-on and shut off elevations.

For Pump #1, turn-on and shut-off elevations are at 4.0-feet and 0.5-feet respectively.

Pump #2 is designed to start at elevation 5.0-feet and turn-off at elevation 2.5-feet.

For modeling, the wet-well was assumed to be at an initial elevation of 0.0 or with no storage available. Dynamic head losses were calculated and by utilizing the manufacturer's pump curves, pump speeds and efficiencies at differing pumping stages were determined.

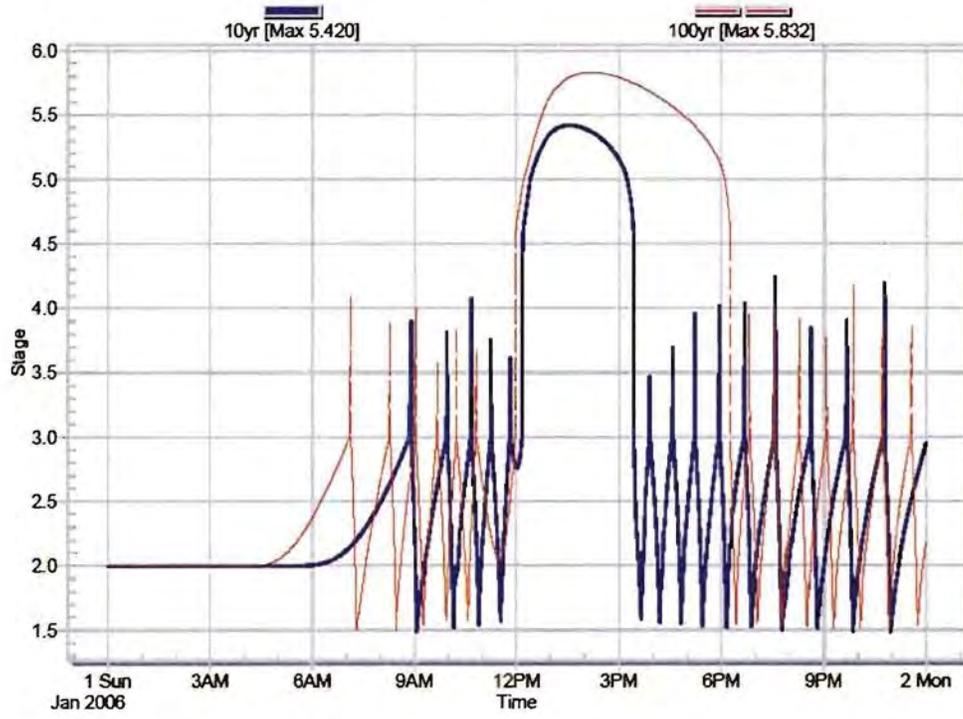
Through the modeling exercise, it was evident that some flooding at individual drainage inlets would occur in routing the 100-year event.

The maximum flooded elevation during the peak of the 100-year event was estimated to 6.0-feet.

The resultant peak elevation leaves over 2-foot of freeboard to the finished floor elevation of 8.75-feet.

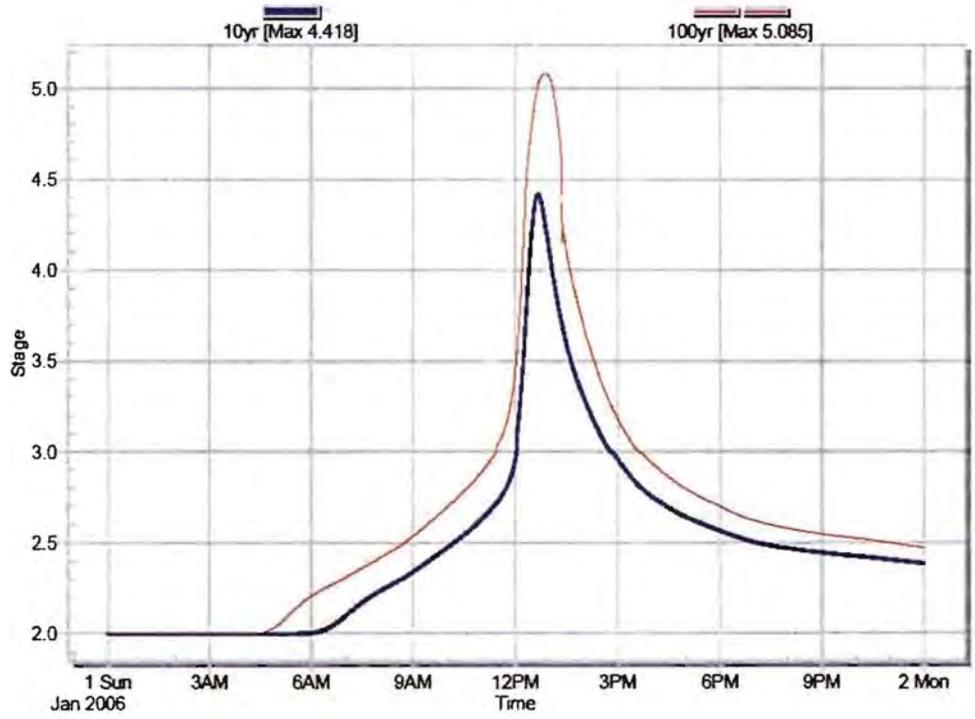
DI #5 – With Pumps

Node - N5



DI #5 - Without Pumps

Node - N5



RESULTS

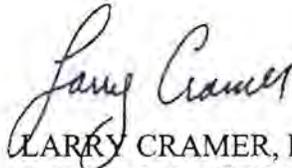
As a result of modeling both scenarios, the designed drainage network will route the 10-year and 100-year events without flooding the existing building. The discharge velocities are high enough that rip-rap will be installed at the outfall point to alleviate potential erosion.

In low rainfall events, the 30-inch diameter gravity outfall pipe will route run-off out of the network without the pumps operating.

When flooding occurs, the sluice gate at the end of the gravity outfall pipe will be closed and the pumping system will route all storm water captured in the network.

As part of the standard operating procedure, the pumps will periodically be activated manually to vacate residual water in the system and to test reliability of the pumps.

Respectfully submitted,



LARRY CRAMER, PE, PLS
SELLERS & ASSOCIATES, INC.

Draft

**APPENDIX D
PUBLIC NOTICE**

**PUBLIC NOTICE
FEMA NOTICE OF AVAILABILITY
DRAFT ENVIRONMENTAL ASSESSMENT AND
DRAFT FINDING OF NO SIGNIFICANT IMPACT FOR
VERMILION PARISH DETENTION CENTER
FLOOD PROTECTION PROJECT
VERMILION PARISH, LOUISIANA**

Interested parties are hereby notified that the Federal Emergency Management Agency (FEMA) has prepared a Draft Environmental Assessment (EA) for the proposed construction of a flood protection concrete ring flood wall and earthen berm around the Vermilion Parish Detention Center complex at 14202 Savoy Road, Abbeville, Louisiana 70510.

Vermilion Parish seeks Federal grant funds for this action, eligible for repairs or replacement under a Presidential Disaster Declaration signed on September 24, 2005 (FEMA-1607-DR-LA). Per the National Environmental Policy Act (42 U.S.C. 4371 *et seq.*), and associated environmental statutes, a Draft EA has been prepared to evaluate the action's potential impacts on the human and natural environment. The Draft EA summarizes the purpose and need, alternative site analysis, affected environment, and potential environmental consequences associated with the proposed action.

The Draft EA and Draft Finding of No Significant Impact (FONSI) are available for review at the Vermilion Parish Library, Abbeville Branch – 405 East St. Victor Street, Abbeville, Louisiana 70510, from 9:00 a.m. to 8:00 p.m., Monday and Thursday; 9:00 a.m. to 5:30 p.m., Tuesday, Wednesday, and Friday; and 9:00 a.m. to 1:00 p.m., Saturday. Additionally, a public notice regarding the proposed action will be published in the Abbeville Meridional newspaper for five (5) consecutive publication days: June 5 - 8, and June 10, 2012. The comment period will be fifteen (15) days, beginning on June 5, 2012 and concluding June 19, 2012. The Draft EA and Draft FONSI can be viewed and downloaded from FEMA's website: <http://www.fema.gov/plan/ehp/envdocuments/ea-region6.shtm>. Written comments on the Draft EA or related matters can be faxed to FEMA's Louisiana Recovery Office at 225-382-0337; emailed to: FEMA-NOMA@dhs.gov; or mailed to FEMA Louisiana Recovery Office, EHP—Vermilion Parish Detention Center Flood Protection Project, 1 Seine Court, New Orleans, Louisiana 70114. Verbal comments will be accepted or recorded at 225-267-2596.

Based on FEMA's findings to date, no significant adverse environmental effects are anticipated. However, if FEMA receives new information that results in a change from no adverse effects then FEMA would revise the findings and issue a second public notice allowing time for additional comments.

If no substantive comments are received, the Draft EA and associated Draft FONSI will become final and this initial Public Notice will also serve as the final Public Notice for work in the floodplain in accordance with 44 CFR Part 9.12.