

Appendix B
Agency Coordination

August 11, 2009

MEMORANDUM TO: See Distribution

SUBJECT: Scoping Notification/Solicitation of Views

To Whom It May Concern:

The Department of Homeland Security's Federal Emergency Management Agency (FEMA) is mandated by the U.S. Congress to administer Federal disaster assistance pursuant to the Robert T. Stafford Disaster Relief and Emergency Assistance Act (Stafford Act), PL 93-288, as amended. The Stafford Act authorizes FEMA's Public Assistance Program to provide emergency temporary administrative, educational, medical, or other support facilities for areas impacted by disasters while repairs and reconstruction of storm damaged facilities are being undertaken.

The attached scope of work and maps correspond to a proposed project for which FEMA funding has been requested.

The applicant, Lafourche Parish Sheriff's Office, proposes to: construct a new firing range. (See attached Scope of Work)

To ensure compliance with NEPA and other applicable Federal regulations, we will be preparing an Environmental Assessment document. To assist us in preparation of the EA, we request that your office review the attached documents for a determination as to the requirement of any formal consultation, regulatory permits, determinations, or authorizations.

Please respond within 15 calendar days of the date of this scoping notification. If our office receives no comments at the close of this period, we will assume that your agency does not object to the project as proposed.

Comments may be faxed to (504) 762-2527, emailed to Adam.Borden@dhs.gov or mailed to the attention of Adam Borden, Environmental Section, at the following address:

Adam Borden
Environmental Section, 17th Floor
Federal Emergency Management Agency
1250 Poydras
New Orleans, LA 70112

For questions regarding this matter, please contact Adam Borden at (225) 436-4031

Distribution: LDEQ, USEPA, NOAA-NMFS, USACE, LDWF, USFWS

Lafourche Parish Sheriff's Office Firing Range

Damage Description

On September 1st, 2008, high winds from Hurricane Gustav severely damaged the training facility located at the Lafourche Parish Firing Range. The training facility consisted of a 1981, 14' by 80' mobile home. The facility damage occurred when the high winds tore off the gable roof truss system. The resulting debris collapsed the roof, exposing the facility to heavy rains. The trailer was catastrophically damaged beyond repair. The trailer functioned as a Training Academy by housing a classroom and a defensive tactics area.

Scope of Work

The Lafourche Parish Sheriff's Office (applicant) intends to build a larger, more improved structure approximately 300 yards from its present site. The building's new dimensions will be 75' by 100' on slab and will have the capability of being expanded to a two-story structure for additional class space in the future. The mailing address of the current Firing Range is 3451 Highway 182, Raceland, LA with a physical address of US-90 Business Route, South of Raceland. The original facility is located at 29.68237 N, -90.64608 W. The mailing and physical address will remain the same. The proposed facility will be built within the following four corner coordinates:

29.68322 N, -90.64488 (northwest corner)
29.68333 N, -90.64407 (northeast corner)
29.68287 N, -90.64377 (southeast corner)
29.68203 N, -90.64427 (southwest corner)

Part of this property was used as a dump site from the mid-1970s to late 1980s. The site was closed and all cells were capped in the late 1980s. The replacement building is to be placed on an area of the property that has never received waste.

From: Borden, Adam
Sent: Thursday, September 03, 2009 10:05
To: 'diane.hewitt@la.gov'
Cc: 'jason.meyers@la.gov'
Subject: Lafourche Parish firing range

Attachments: borings.pdf; ScopingNotificationDEQ.doc; lfr.pdf

Ms. Hewitt,

The attached Environmental Assessment scoping notification was sent to Mr. Jamie Phillippe of LDEQ on 8/11/09. I received no comment from LDEQ within the specified timeframe. I was recently informed that you are to be our POC for LDEQ notifications. This particular project is a growing concern for me. The property was used as a dump site from mid 1970's through the late 1980's and again for Hurricanes Katrina, Rita, Gustav, and Ike. In the FEMA applicant's request for public assistance, the description of the project claims that the area of construction never received waste. I have also found a 'letter of no objection' for the undertaking from Mr. Jason Meyers (cc'd) of LDEQ (AI # 80575). The project description in this case also claims that the area of construction never received waste.

I visited the proposed site on 8/19/09 and received a subsoil survey from our applicant. I've attached the soil boring profiles. It seems evident that the top 1-17 feet are composed of some form of landfill material. The applicant has also expressed interest in using the existing firing range berm as fill for the new building. The berm material was taken directly from a 'known' section of the site that received waste. It seems that without proper mitigation steps, this applicant may expose themselves to lead and methane, among other things.

Due to these circumstances, I'd like to extend this comment period for LDEQ through 9/18/09. Please contact me for any questions.

Thanks,

Adam Borden
Environmental Protection Specialist
FEMA- LA-TRO
1250 Poydras 17th floor
New Orleans, LA 70112
cell: 225-436-4031 *new number*
desk: 504-762-2292

BOBBY JINDAL
GOVERNOR



HAROLD LEGGETT, Ph.D.
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

JUN 24 2009

Mr. Craig Weber, Sheriff
Parish of Lafourche, Office of the Sheriff
P. O. Box 5608
Thibodaux, LA 70302

Re: Lafourche Parish Shooting Range
Raceland Landfill
Agency Interest# 80575
Lafourche Parish

Jason Meyers @ la.gov

Dear Sheriff Weber:

We are in receipt of your letter dated June 1, 2009, regarding construction of a training facility adjacent to the shooting range located at 3451 Highway 182 in Raceland, La.

As stated in your letter, this property was used as a dump site from the mid-1970s to late 1980s and the site was closed and all cells were capped in the late 1980s. Currently, the Lafourche Parish Sheriff's Office operates a full-service shooting range and training facility at the site; however, Hurricane Gustav destroyed the training building in August 2008. The sheriff's department intends to replace the building with another built on slab and you are requesting technical assistance and a letter of no objection regarding the replacement.

Typically, the concerns with constructing a building over a closed landfill include the installation of piling, which may create pathways for contamination, and the accumulation of methane gas in buildings from the degradation of waste. However, based on conversations between Mr. Jason Meyers of our office and Lt. Granier of the sheriff's office on June 19, 2009, it is our understanding the replacement building is proposed to be placed on an area of the property that has never received waste and will be designed and constructed utilizing methods to prevent the accumulation of methane gas. Therefore, the use of pilings and accumulation of methane should not be of concern. However, if it is determined this area received waste in the past, then it is recommended the building be constructed using an alternate foundation design. Finally, based on our review of your request and on conversations with our staff, we have no objection to the proposed project provided you meet any other applicable local, state, and federal regulations.

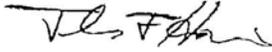
JUN-26-2009 08:54AM FROM-LAF SHERIFF TRAINING

+6854494466

T-104 P.003/003 F-574

Should you have any questions or comments concerning this matter, please contact Mr. Jason Meyers, P.E. at (225) 219-0791.

Sincerely,



Thomas F. Harris
Administrator
Waste Permits Division

jm



BOBBY JINDAL
GOVERNOR

State of Louisiana

DEPARTMENT OF WILDLIFE AND FISHERIES
OFFICE OF WILDLIFE

ROBERT J. BARHAM
SECRETARY

JIMMY L. ANTHONY
ASSISTANT SECRETARY

August 26, 2009

Adam Borden
Environmental Section, 17th Floor
Federal Emergency Management Agency
1250 Poydras Street
New Orleans, LA 70112

RE: *Application Number: Scoping Notification/ Solicitation Of Views
(Lafourche Firing Range)
Applicant: FEMA
Public Notice Date: August 11, 2009*

Dear Mr. Serio:

The professional staff of the Louisiana Department of Wildlife and Fisheries has reviewed the above referenced Public Notice. Based upon this review, the following has been determined:

It is anticipated that the proposed activity will have minimal or no long-term adverse impacts to wetland functions and, therefore, we have no objection.

No impacts to rare, threatened or endangered species or critical habitats are anticipated from the proposed project. No state or federal parks, wildlife refuges, wildlife management areas or scenic rivers are known at the specified site or within ¼ mile of the proposed project.

The Louisiana Natural Heritage Program (LNHP) has compiled data on rare, endangered, or otherwise significant plant and animal species, plant communities, and other natural features throughout the State of Louisiana. LNHP reports summarize the existing information known at the time of the request regarding the location in question. LNHP reports should not be considered final statements on the biological elements or areas being considered, nor should they be substituted for on-site surveys required for environmental assessments. If at any time LNHP tracked species are encountered within the project area, please contact our biologist at 225-765-2643.

Page 2

Application Number: *Scoping Notification/ Solicitation Of Views*
August 26, 2009

The Louisiana Department of Wildlife and Fisheries appreciates the opportunity to review and provide recommendations to you regarding this proposed activity. Please do not hesitate to contact Habitat Section biologist Chris Davis at 225-765-2542 should you need further assistance.

Sincerely,



Kyle F. Balkum
Biologist Program Manager

cd/cm

c: Chris Davis, Biologist
Carolyn Michon, Biologist



BOBBY JINDAL
GOVERNOR

State of Louisiana
DEPARTMENT OF WILDLIFE AND FISHERIES
OFFICE OF WILDLIFE

ROBERT J. BARHAM
SECRETARY
JIMMY L. ANTHONY
ASSISTANT SECRETARY

Date August 21, 2009
Name Adam Borden
Company FEMA-LA-TRO
Street Address 1250 Poydras 17 th Floor
City, State, Zip New Orleans, LA
Project FEMA Scoping Notification
Lafourche Parish Firing Range
Project ID 3222009
Invoice Number 09082112

Personnel of the Habitat Section of the Coastal & Non-Game Resources Division have reviewed the preliminary data for the captioned project. After careful review of our database, no impacts to rare, threatened, or endangered species or critical habitats are anticipated for the proposed project. No state or federal parks, wildlife refuges, scenic streams, or wildlife management areas are known at the specified site within Louisiana's boundaries.

The Louisiana Natural Heritage Program (LNHP) has compiled data on rare, endangered, or otherwise significant plant and animal species, plant communities, and other natural features throughout the state of Louisiana. Heritage reports summarize the existing information known at the time of the request regarding the location in question. The quantity and quality of data collected by the LNHP are dependent on the research and observations of many individuals. In most cases, this information is not the result of comprehensive or site-specific field surveys; many natural areas in Louisiana have not been surveyed. This report does not address the occurrence of wetlands at the site in question. Heritage reports should not be considered final statements on the biological elements or areas being considered, nor should they be substituted for on-site surveys required for environmental assessments. LNHP requires that this office be acknowledged in all reports as the source of all data provided here. If at any time Heritage tracked species are encountered within the project area, please contact the LNHP Data Manager at 225-765-2643. If you have any questions, or need additional information, please call 225-765-2357.

Sincerely,


Gary Lester, Coordinator
Natural Heritage Program



United States Department of the Interior

FISH AND WILDLIFE SERVICE

646 Cajundome Blvd.
Suite 400
Lafayette, Louisiana 70506

August 31, 2009

Adam Borden
Environmental Section, 17th Floor
Federal Emergency Management Agency
FEMA-1786-DR-LA
1250 Poydras
New Orleans, LA 70112

Dear Mr. Borden:

Please reference your August 11, 2009, *Scoping Notification/ Solicitation of Views* document for the proposed construction of a new firing range in Lafourche Parish, Louisiana. The Lafourche Parish Sheriff's Office intends to build a larger structure approximately 300 yards from the present site. There is a need for a new structure because the existing structure was damaged beyond repair by high winds from Hurricane Gustav. The U.S. Fish and Wildlife Service (Service) has reviewed the information you provided and offers the following comments in accordance with the Endangered Species Act of 1973 (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.), the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661 et seq.), and the Bald and Golden Eagle Protection Act (BGEPA) (54 Stat. 250, as amended, 16 U.S.C. 668a-d).

There are no known threatened or endangered species located in or around the proposed project area; therefore, no further ESA consultation with the Service is necessary.

Although the construction footprint appears to be on already disturbed land near the existing firing range, it is located adjacent to land known to provide bald eagle (*Haliaeetus leucocephalus*) nesting habitat. There are two known bald eagle nests within one mile of the proposed project area (see attachment) and several more within 5 miles. Bald eagles nest in Louisiana from October through mid-May. Eagles typically nest in mature trees (e.g., bald cypress, sycamore, willow, etc.) near fresh to intermediate marshes or open water in the southeastern Parishes. Major threats to this species include habitat alteration, human disturbance, and environmental contaminants (i.e., organochlorine pesticides and lead).

Breeding bald eagles occupy "territories" that they will typically defend against intrusion by other eagles, and that they likely return to each year. A territory may include one or more alternate nests that are built and maintained by the eagles, but which may not be used for nesting in a given year. Potential nest trees within a nesting territory may, therefore, provide important

alternative bald eagle nest sites. In forested areas, bald eagles often select the tallest trees with limbs strong enough to support a nest that may weigh more than 1,000 pounds. Most nests are located in the upper 30 feet of the tree; the cone-shaped nest may be 6 to 8 feet in diameter and 6 to 8 feet from top to bottom. Nest sites typically include at least one perch with a clear view of the water or area where the eagles usually forage. Shoreline trees or snags located near large waterbodies provide the visibility and accessibility needed to locate aquatic prey.

Bald eagles are vulnerable to disturbance during courtship, nest building, egg laying, incubation, and brooding. Disturbance during this critical period may lead to nest abandonment, cracked and chilled eggs, and exposure of small young to the elements. Human activity near a nest late in the nesting cycle may also cause flightless birds to jump from the nest tree, thus reducing their chance of survival. For these reasons, the Service is concerned about potential noise related disturbances to known and newly discovered active bald eagle nests resulting from firing of munitions during firing range operations conducted during the nesting season (i.e., October through mid-May).

Although the bald eagle has been removed from the List of Endangered and Threatened Species, it continues to be protected under the MBTA and the BGEPA. The Service developed the National Bald Eagle Management (NBEM) Guidelines to provide landowners, land managers, and others with information and recommendations to minimize potential project impacts to bald eagles, particularly where such impacts may constitute "disturbance," which is prohibited by the BGEPA. A copy of the NBEM Guidelines is available at: <http://www.fws.gov/southeast/es/baldeagle/NationalBaldEagleManagementGuidelines.pdf>. Those guidelines recommend: (1) maintaining a specified distance between the activity and the nest (buffer area); (2) maintaining natural areas (preferably forested) between the activity and nest trees (landscape buffers); and (3) avoiding certain activities during the breeding season. On-site personnel should be informed of the possible presence of nesting bald eagles within the project boundary, and should identify, avoid, and immediately report any such nests to this office. An evaluation must be performed to determine whether the proposed project is likely to disturb nesting bald eagles in the two known nests and any newly discovered nests adjacent to the proposed project area. That evaluation may be conducted on-line at: <http://www.fws.gov/southeast/es/baldeagle>. Following completion of the evaluation, that website will provide a determination of whether additional consultation is necessary. The Division of Migratory Birds for the Southeast Region of the Service (phone: 404/679-7051, e-mail: SEmigratorybirds@fws.gov) has the lead role in conducting such consultations. Should you need further assistance interpreting the guidelines or performing an on-line project evaluation, please contact this office.

The proposed project may also impact wetlands. For a complete jurisdictional wetland delineation of the proposed project, please contact Mr. Robert Heffner (504/862-2274) at the New Orleans District Corps of Engineers (Corps). If the Corps determines that the proposed project is within their regulatory jurisdiction, official Service comments will be provided in response to the corresponding Public Notice.

Known bald eagle nest locations in relation to proposed construction of firing range in Lafourche Parish



Legend

- 2007 bald eagle nest - approximately 1.0 miles from proposed project site
- 2005 bald eagle nest - approximately 0.9 miles from proposed project site



U.S. Fish & Wildlife Service

Ecological Services

Southeast Region



Home

Step-by-Step
Guidance to
Avoid Disturbing
Bald Eagles

Distance Buffers
for Recreational
Activities

Bald Eagle
Natural History
& Sensitivity

Additional
Conservation
Measures

National Bald
Eagle
Management
Guidelines

Bald & Golden
Eagle Protection
Act

Determining Whether Construction/Development Activities will Disturb Nesting Bald Eagles: Step 4

Step 4. Determining whether your activity is likely to disturb nesting bald eagles.

Your activity is: (Check your selection to document your choice)

- Building construction, 1 or 2 story, with a project footprint of 1/2 acre or less.
- Construction of roads, trails, canals, power lines, and other linear utilities.
- Agriculture or aquaculture operations - new or expanded.
- Alteration of shoreline or wetlands.
- Installation of docks or moorings.
- Water impoundment.

You have determined that the bald eagle nest (active or alternate) cannot be seen from the activity or project site and there is similar activity within 660 feet of the nest.

Therefore, to avoid disturbing nesting eagles and their young, we recommend that you:

- (1) maintain a buffer of at least 330 feet (100 meters) between all your activities and the nest (including active and alternate nests),

- (2) within 660 feet (200 meters) of the nest, restrict all clearing, external construction, and landscaping activities to outside the nesting season (i.e., outside the nesting season is from June through mid-August since the nesting season in the Southeast is generally from late September through late May), and
- (3) maintain established landscape buffers that screen the activity from the nest.

Determination

- Yes - I can implement the recommendations.

If you are able to implement these recommendations, disturbance of nesting bald eagles is unlikely to occur. We recommend printing this page, then signing and dating it for your records.

- No - I cannot implement the recommendations.

If you cannot adopt the recommendations, we suggest that you contact your local U.S. Fish and Wildlife Service Office for further assistance in determining whether your activity may disturb nesting bald eagles. You can also send an email to the Regional Office Migratory Birds at SEmigratorybirds@fws.gov or contact Resee Collins -- 404-679-7051.

Signature: 

Date: 9-2-09

These recommendations are valid only for the states of Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, and Tennessee.

Once you print a copy of this page send to appropriate ES Field Station
(for addresses go to <http://www.fws.gov/southeast/es/ndxeso.htm>)

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Last updated: June 28, 2007

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From: Boatman, John - Thibodaux, LA [John.Boatman@la.usda.gov]
Sent: Wednesday, August 12, 2009 16:39
To: 'Borden, Adam'
Subject: RE: FEMA Scoping Notification/Solicitation of Views - Lafourche Parish Firing Range

Attachments: AD1006.pdf
[Mr. Borden,](#)

After making an investigation, this site does not contain any prime, unique, statewide or local important farmland. Thus, the Farmland Protection Policy Act does not apply. I have checked 'no' on the attached pdf file. Please call (985) 447-3871, x 3 if you have any questions.

From: Borden, Adam [mailto:adam.borden@dhs.gov]
Sent: Tuesday, August 11, 2009 5:47 PM
To: Boatman, John - Thibodaux, LA
Subject: FEMA Scoping Notification/Solicitation of Views - Lafourche Parish Firing Range

Mr. Boatman,

FEMA has proposed funding for the relocation of the Lafourche Parish Firing Range facility. An Environmental Assessment has been initiated to analyze impacts to the natural and human environment. Please find the attached proposed scope of work with maps and form AD-1006. We would appreciate your review of this proposed site for prime and unique farmland and/or farmland of local or statewide importance.

Thank you,

Adam Borden
Environmental Protection Specialist
FEMA- LA-TRO
1250 Poydras 17th floor
New Orleans, LA 70112
cell: 225-436-4031 *new number*
desk: 504-762-2292
fax@504) 762-2527

 <p>Craig Webre Sheriff</p>	<h1>FAX COVER SHEET</h1>
	<h2>Lafourche Parish Sheriff's Office</h2> <p>P.O. Box 5608 Thibodaux, LA 70302</p>

Administrative Office Phone: (985) 448-2111 Fax: (985) 447-1854	Communications Center Phone: (985) 532-2808 Fax: (985) 532-2784	Criminal Operations Center Phone: (985) 532-4320 Fax: (985) 532-4373	Detention Center Phone: (985) 449-4458 Fax: (985) 449-4467
Information Technology Phone: (985) 449-4400 Fax: (985) 449-4419	Personnel & Fleet Operations Phone: (985) 532-4380 Fax: (985) 532-4385	Police Social Services Phone: (985) 449-4477 Fax: (985) 449-4457	Probation Phone: (985) 449-4490 Fax: (985) 447-1788
South Lafourche Substation Phone: (985) 632-5844 Fax: (985) 632-5845	Training Center Phone: (985) 449-4480 Fax: (985) 449-4488	Work Release Center Phone: (985) 537-9650 Fax: (985) 537-9658	Detention Center Administration Phone: (985) 449-4458 Fax: (985) 449-4473

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Date: 9/1/09

To: **Adam Borden**
504-762-2527

From: **DeAnn S. Barrios**
985-449-4490 Fax-985-447-1788

Comments: **This is one drawing on the proposed building foundation for the range. I numbered the pages in the left hand top corner for the order they appear. No. 1 is the left side of the page, no. 2 is the middle and no.3 is the right side of the page. If you have any questions please do not hesitate to call me. Thank you and sorry this is so late.**

Number of pages including cover sheet 4

Please contact us if any of the following pages are not received.

DISCLAIMER

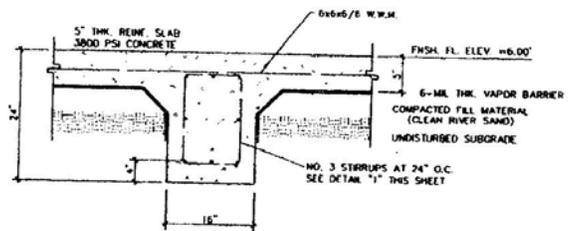
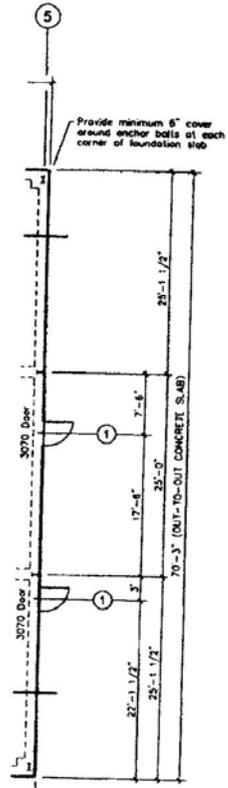
THE ENGINEER HAS PRODUCED THIS PRINT BASED ON HIS KNOWLEDGE, EXPERIENCE, AND INSTRUCTIONS PROVIDED BY THE OWNER BASED ON GENERAL SITE CONDITIONS. THERE IS NO WARRANTY, HOWEVER, WHETHER EXPRESSED OR IMPLIED, WITH RESPECT TO THE CONTENT OF USE OF THIS PRINT AND THE INFORMATION CONTAINED HEREIN, INCLUDING BUT NOT LIMITED TO ANY WARRANTY, DURABILITY, FUNCTION, SAFETY, OR HAZARDS PRE- OR POST- CONSTRUCTION. THE USE OF THIS PRINT IS INTENDED ONLY FOR THE GENERAL CONTRACTOR, AT THE SITE IN RACELAND, LOUISIANA.

GENERAL NOTES

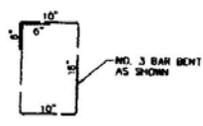
1. THE BUILDING CONTRACTOR IS SOLELY RESPONSIBLE FOR PROVIDING TECHNIQUES, SEQUENCES AND PROCEDURES OF CONSTRUCTION AND THE CONTRACTOR SHALL BE RESPONSIBLE TO SEE THAT THE FINISHED WORK COMPLIES ACCURATELY WITH THE PROJECT DRAWINGS.
2. THE BUILDING CONTRACTOR IS TO BE RESPONSIBLE FOR VERIFYING ALL BUILDING COMPONENTS AND ESTABLISHING CONSTRUCTION TECHNIQUES AND PRACTICES TO INSURE THE STRUCTURAL INTEGRITY OF THE FOUNDATION.
3. THE MECHANICAL CONTRACTOR IS TO BE RESPONSIBLE FOR MEETING ALL LOCAL AS WELL AS ALL APPLICABLE NATIONAL PLUMBING CODES.
4. THE ELECTRICAL CONTRACTOR IS TO BE RESPONSIBLE FOR MEETING ALL LOCAL AS WELL AS ALL APPLICABLE NATIONAL PLUMBING CODES.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LAYING OUT THE WORK AND PROVIDING THE NECESSARY SURVEY CONTROL DURING THE COURSE OF CONSTRUCTION.
6. ALL DIMENSIONS SHOWN ON THE DRAWINGS SHOULD BE VERIFIED BY THE CONTRACTOR FOR CONFORMITY WITH THE ARCHITECTURAL PLANS PRIOR TO FORMING WORK AND PLACEMENT OF THE ANCHOR BOLTS.
7. NO FIELD SUPERVISION OR INSPECTION PROVIDED UNDER THIS SEAL UNLESS NOTED OTHERWISE.

GENERAL CONCRETE NOTES

1. FILL AND SITE PREPARATION SHALL BE PERFORMED BY A COMPETENT LICENSED CONTRACTOR EXPERIENCED IN THIS TYPE OF WORK. SOIL COMPACTION IS THE RESPONSIBILITY OF THE CONTRACTOR. FAILURE TO PROPERLY TEST OR COMPACT SOIL MAY CAUSE STRUCTURAL CRACKING IF DIFFERENTIAL SETTLEMENT OCCURS. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM THE FOUNDATION AT ALL TIMES.
2. A 6-MIL THK. VAPOR BARRIER OF POLYETHYLENE SHALL BE PLACED UNDER ALL FLOOR CONCRETE.
3. CURING COMPOUND WILL BE PLACED ON SLAB IMMEDIATELY AFTER FINISHING TO CONTROL SHRINKAGE CRACKING.
4. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. SUBMIT MIX DESIGN TO ENGINEER FOR APPROVAL PRIOR TO POURING.
5. COORDINATE STRUCTURAL DRAWINGS WITH ARCH. AND MECHANICAL DRAWINGS FOR ALL OPENINGS, INSERTS AND ALL OTHER RELATED ITEMS. ALL FORM WORK, INCLUDING BRIDGE LEDGES, GRID FLOOR, BIDDING/UTE AND DEPRESSION FORMS, ETC., SHALL BE COMPLETED PRIOR TO SYSTEM INSTALLATIONS.
6. FORMS ARE TO BE STRIPPED NO LATER THAN 3 DAYS AFTER PLACEMENT OF ALL CONCRETE IN FOUNDATION.
7. PROVIDE MINIMUM 1-1/2" OF COVER OVER ALL REINFORCING STEEL.
8. PROVIDE MINIMUM 24" SPLICE FOR ALL MAIN REINFORCING STEEL. STAGGER SPLICES WHERE POSSIBLE.



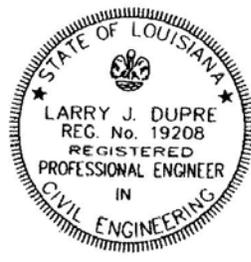
INTERIOR GRADE BEAM
SCALE: 1" = 1'-0"



NO. 3 STIRRUP DETAIL
NOT TO SCALE

RECOMMENDED FOR APPROVAL BY:

Larry J. Dupre
 Larry J. Dupre, P.E.
 L.A. License No. 19208
 8/21/09
 Date

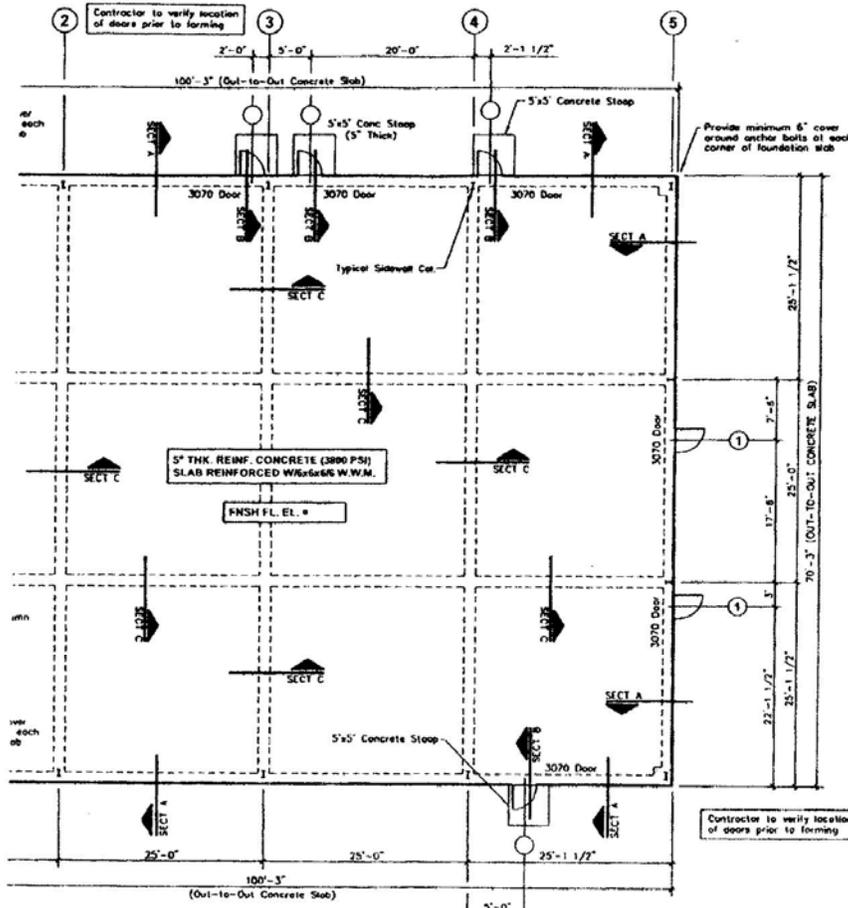


SHEET NO. **1** OF **1**

PROPOSED BUILDING FOUNDATION PLAN
 CONSTRUCTION DETAILS AND GENERAL NOTES
 PROPOSED TRAINING FACILITY BUILDING
 LAFOURCHE PARISH SHERIFF'S OFFICE
 LA. HWY. 182
 RACELAND, LOUISIANA
 LAFOURCHE PARISH

FILE NAME	FOUNDPLAN.dwg
TBR NO.	LAFV0506
DATE	17 JUL 2009
PLOT SCALE	1/8" = 1'-0"
DRAWN BY	LJ
APPROVED	LJ
MAP NO.	

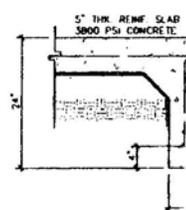
T. BAKER SMITH
 1985 1845 1000
 800.233.8888



OSD BUILDING FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

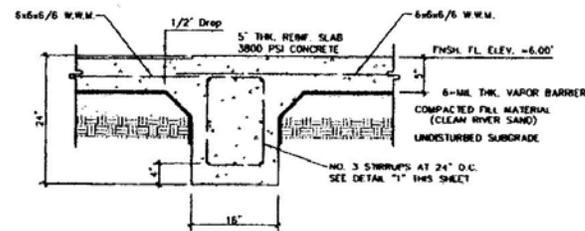
THE ENGINEER HAS PRODUCED THIS DRAWING BASED ON INFORMATION PROVIDED BY THE OWNER. THE ENGINEER HAS CONDUCTED VISUAL GENERAL VERIFICATION OF THE INFORMATION CONTAINED HEREIN. THE ENGINEER HAS NOT CONDUCTED A DETAILED SURVEY OF THE SITE OR THE PROJECT. THE ENGINEER'S RESPONSIBILITY IS LIMITED TO THE DESIGN OF THE FOUNDATION. THE ENGINEER DOES NOT WARRANT THE ACCURACY OF THE INFORMATION PROVIDED BY THE OWNER. THE ENGINEER'S LIABILITY IS LIMITED TO THE DESIGN OF THE FOUNDATION. THE ENGINEER DOES NOT WARRANT THE ACCURACY OF THE INFORMATION PROVIDED BY THE OWNER.

1. THE BUILDING TECHNIQUES, CONTRACTOR COMPLIES WITH THE BUILDING CODE PRACTICES TO THE MEDIAN LOCAL AS WE
 2. THE BUILDING CODE PRACTICES TO THE MEDIAN LOCAL AS WE
 3. THE ELECTRIC LOCAL AS WE
 4. THE CONTRACT WORK AND THE COURSE
 5. THE CONTRACT WORK AND THE COURSE
 6. ALL DIMENSIONS BY THE CONTRACTOR PRIOR TO FORMING
 7. NO FIELD SLAB UNLESS NOTED
1. FILL AND SOIL CONTRACTOR RESPONSIBLE FOR COMPACT SOIL OCCURS IN THE FOUNDATION
 2. A 5-MIL THK FLOOR CONCRETE CURING CONTROL SHEET
 3. ALL CONCRETE: 28 DAYS
 4. COORDINATE ALL OPENINGS INCLUDING REINFORCEMENT SHALL BE OF FORMS ARE ALL CONCRETE
 5. PROVIDE MINIMUM WHERE POSSIBLE

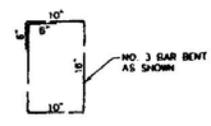


INTERIOR GR.
SCALE: 1" = 1'-0"

6x6 W.W.M.
FINISH FLOOR ELEVATION
6-MIL THK VAPOR BARRIER
PACKED FILL MATERIAL
(CLEAN RIVER SAND)
UNDISTURBED SUBGRADE
24" O.C. SHEET



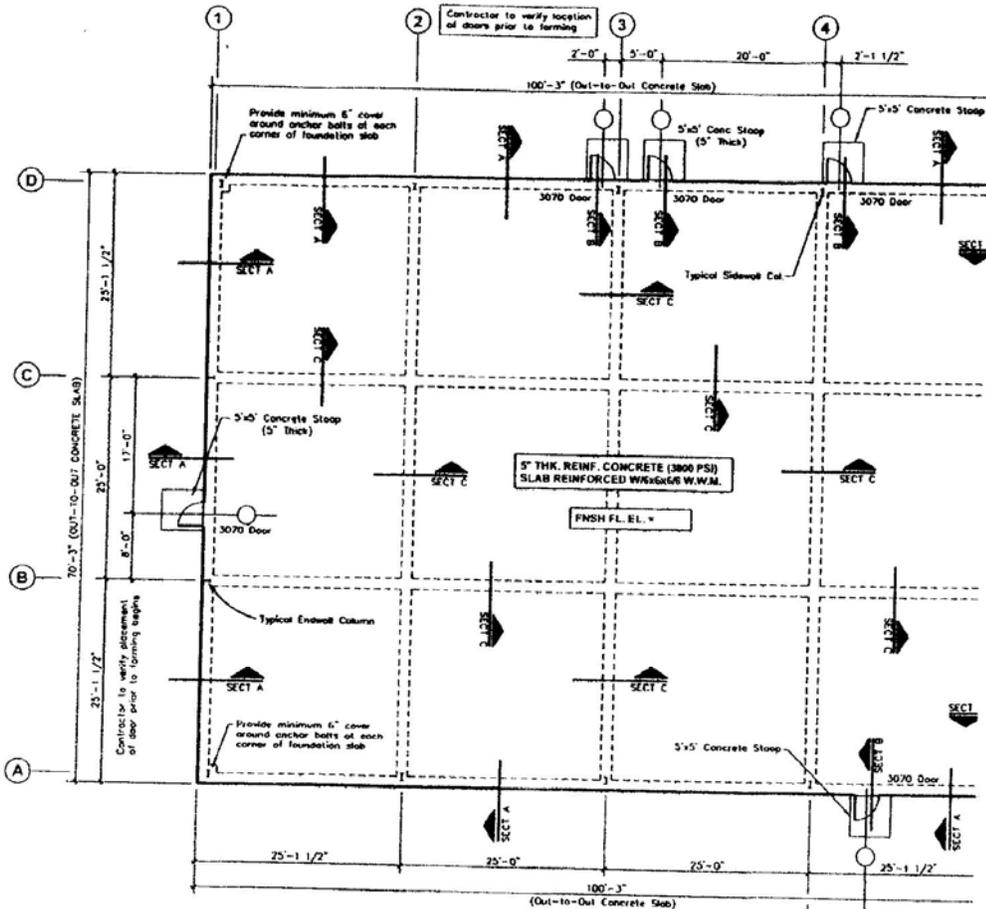
EXTERIOR GRADE BEAM AT PERSONNEL DOOR
SCALE: 1" = 1'-0"



NO. 3 STIRRUP DETAIL
NOT TO SCALE

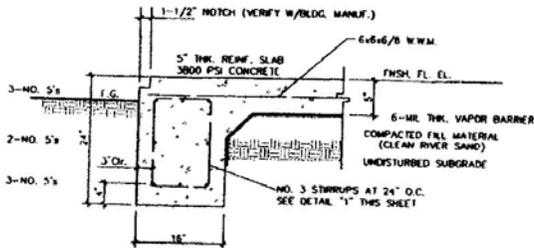
A
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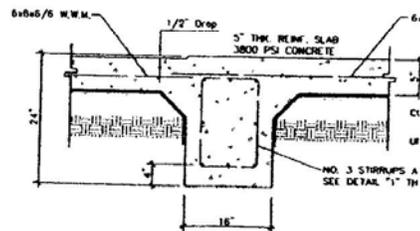
PROPOSED BUILDING FOUNDATION PLAN

SCALE: 1/8" = 1'-0"



TYPICAL SECTION THRU EXTERIOR GRADE BEAM

SCALE: 1" = 1'-0"



EXTERIOR GRADE BEAM AT PERSONNEL DOOR

SCALE: 1" = 1'-0"



DESCRIPTION OF TERMS AND SYMBOLS USED ON SOIL BORING LOG

FIELD DATA		LABORATORY DATA					Soil Type		
Ground Water Level	Depth (feet)	Field Test Results	Compressive Strength (tsf)	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits		Other	
Samples	Field Test Results	Compressive Strength (tsf)	Water Content (%)	Dry Unit Weight (pcf)	LL	PL	PI	Other	
5									DESCRIPTION
10									Description
Classifications are based on visual observations by field & lab representatives as well as results of laboratory data (when available).									
15									Laboratory Data
Compressive Strength									
Value based on peak compressive strength. Determined by unconfined compression test unless otherwise noted.									
Dry Unit Weight									
As determined by method similar to ASTM D-2937.									
Water Content									
As determined by pertinent portions of ASTM D-2216.									
Atterberg Limits									
LL : Liquid Limit PL : Plastic Limit PI : Plasticity Index (= Liquid Limit - Plastic Limit)									
Other									
Results of other tests such as consolidation, permeability, grain size or notes associated with testing program.									
20									Soil Type
Graphical representation of soil type. In accordance with USCS Symbols.									
25									
Ground Water Levels									
Long-Term Depth									
Depth to water after boring is completed (time noted).									
Short-Term Depth									
Depth to water after initial water encountered prior to proceeding with boring (time noted).									
Initially Encountered									
Depth where free water was initially encountered during augering.									
30									
Sampling/Field Data									
3.5 (P) Undisturbed									
3" dia. Tube sample									
Pocket Penetrometer (P)									
Penetration resistance (tons/sq. ft.)									
Torvane (T)									
Shearing resistance (tons/sq. ft.)									
Split Spoon									
Std. penetration test									
Std. Penetration									
No. of blows per foot (blows per each six inch increments).									
Auger									
Disturbed (auger) collected in accordance with ASTM D-1452.									
No Recovery									
Sampling attempted but no sample retrieved.									
35									
40									
Ground Water Level Data		Boring Advancement Method			Notes				
		Boring Abandonment Method							

Form LOGTERMS

Strata Boundaries May Not Be Exact

Proposed Building
Lafourche Sheriff's Firing Range
Highway 182, Vicinity of Highway 90
Raceland, LA

LOG OF SOIL BORING B-1



File: 09-L3105
Date: 6/10/09
Logged by: A. Heatherrington
Driller: E.J. Laizer
Rig: CME 75

Lafourche Parish Sheriff's Office
Raceland, LA

Sheet 1 of 1

FIELD DATA			LABORATORY DATA							Soil Type	Location: Lat. 29° 40' 59.58" Long. 90° 38' 39.6"
Ground Water Level	Depth (feet)	Field Test Results	Compressive Strength (tsf)	Water Content (%)	Wet Unit Weight (pcf)	Atterberg Limits			Percent Passing #200 Sieve		
						LL	PL	PI			Description
	5			47							Brown and gray CLAY (CH) with roots (Landfill liner) Landfill Material - No Samples Taken
	10	1.0 (P)	0.83	30	119						Gray SILTY CLAY (CL) (Landfill soil liner) Medium stiff gray SILTY CLAY (CL) (Landfill soil liner) Landfill Material - No Samples Taken
	20	No (P)		41		45	23	22			Gray SILTY CLAY (CL) Very soft gray SANDY CLAY (CL) with silt, organic matter and broken glass
	25	2 b/f 1-1-1		34					81		
	30	0.25 (P)	0.42	48	109						Soft gray CLAY (CH) with silt
	35	0.25 (P)	0.86	184	75						Medium stiff black and gray PEAT (PT) with clay and organic matter
	40	No (P)		41							No Recovery
	45	0.25 (P)	0.38	58	100						Soft to medium stiff gray CLAY (CH) with shell fragments
	50	0.25 (P)	0.54	63	102	90	30	60			- with organic matter
Ground Water Level Data			Boring Advancement Method							Notes	
Free water first encountered			4" Nom. Dia. Short Flight Auger: 0 to 17 ft.							Landfill	
Water level after 15 mins.			4" Dia. Rotary Wash: 17 to 50 ft.							Natural material encountered at 17 feet	
			Boring Abandonment Method								
			Borehole grouted with cement/bentonite upon completion								

ARD-LOGS01.DWG 09/10/09 10:00 AM

Strata boundaries may not be exact

Proposed Building
Lafourche Sheriff's Firing Range
Highway 182, Vicinity of Highway 90
Raceland, LA

Lafourche Parish Sheriff's Office
Raceland, LA

LOG OF SOIL BORING B-2



Sheet 1 of 1

File: 09-L3105
Date: 6/10/09
Logged by: A. Heatherrington
Driller: E.J. Laizer
Rig: CME 75

FIELD DATA			LABORATORY DATA							Soil Type	Location: Lat. 29° 40' 59.4" Long. 90° 38' 38.82"
Ground Water Level	Depth (feet)	Field Test Results	Compressive Strength (tsf)	Water Content (%)	Wet Unit Weight (pcf)	Atterberg Limits			Percent Passing #200 Sieve		
						LL	PL	PI			Description
		2.0 (P)		39							Very stiff brown and gray CLAY (CH) with roots (Landfill soil liner)
											Gray CLAY (CH) with rocks (Landfill soil liner)
	5										Landfill Material - No Samples Taken
	10										
	15	No (P)		46							Gray CLAY (CH) with landfill material (Landfill soil liner)
	17										
	18	0.25 (P)	0.46	44	109	46	22	24			Soft gray CLAY (CH) with silt seams and sand
	20	0.25 (P)	0.43	41	111						
	20										Boring completed at 20 ft.
	25										
	30										
	35										
	40										
	45										
	50										

Ground Water Level Data	Boring Advancement Method	Notes
Free water first encountered Water level after 15 mins.	4" Nom. Dia. Short Flight Auger. 0 to 20 ft.	Landfill Natural material encountered at 17 feet
	Boring Abandonment Method Borehole backfilled with soil upon completion	

Strata Boundaries May Not Be Exact

ARD LOGS 01P 083105.GPJ 100371R GDT 7/22/09



FEMA

No known historic properties will be affected by this undertaking. This effect determination could change should new information come to our attention.

 9-11-09
Scott Hutcheson Date
State Historic Preservation Officer

August 24, 2009

Scott Hutcheson
State Historic Preservation Officer
Dept. of Culture, Recreation & Tourism
1051 N. Third St.
Baton Rouge, LA 70804

Re: Section 106 Review Consultation for Damages Caused by Hurricane Gustav
Applicant: Lafourche Parish Sheriff's Office
Undertaking: Firing Range Training Facility (1786 PW 1297 v. 0)
Determination: No Historic Properties Affected

Dear Mr. Hutcheson:

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:

- 1) FEMA-DR-1786-LA, dated September 2, 2008.

FEMA is initiating Section 106 review for the above referenced properties in accordance with the "Programmatic Agreement among FEMA, the Louisiana State Historic Preservation Officer (SHPO), the Louisiana Governor's Office of Homeland Security and Emergency Preparedness (GOHSEP), the Alabama-Coushatta Tribe of Texas, the Caddo Nation, the Chitimacha Tribe of Louisiana, the Choctaw Nation of Oklahoma, the Coushatta Tribe of Louisiana, the Jena Band of Choctaw Indians, the Mississippi Band of Choctaw Indians, the Quapaw Tribe of Oklahoma, the Seminole Nation of Oklahoma, the Seminole Tribe of Florida, the Tunica-Biloxi Tribe of Louisiana, and the Advisory Council on Historic Preservation" dated August 17, 2009.

As the result of Hurricane Gustav, the Lafourche Parish Sheriff's Office (LPSO) Firing Range Training Facility, located at latitude 29.68237N, longitude 90.64608 W (Figures 1 and 2), was destroyed. The facility was a 14ft x 80ft mobile unit modified in 1981. The LPSO proposes to replace this structure with a new 7500 sq ft. structure on 3.6 acres approximately 400 feet to the east of the original (See Figure 2). The proposed structure will serve the same training function and will be designed to accommodate subsequent additions and modifications. The proposed facility location currently contains a firing range with a shelter and is surrounded by earthen berms (Figures 3-5). To make way for construction of the new Training Facility, the shelter will be removed and relocated. The shelter is not 50 years old and its removal and relocation will not affect historic properties.

There are no previously recorded archaeological sites in the area of potential effect (APE) and the area is not in or near any National Register historic districts or properties. However the site is along a small bayou, which makes it more likely to contain archaeological resources than the surrounding, lower lying swampland. A FEMA staff archaeologist examined the proposed site on