

Draft Tiered Site-Specific Environmental Assessment

Emergency Operational Center Saint Charles Parish, Louisiana

Emergency Consolidated Operational Center Grant
Program

Project # 2008-EO-T8-0010

April 2011



FEMA

Federal Emergency Management Agency
Department of Homeland Security
500 C Street, SW
Washington, DC 20472

I. Background

In accordance with 44 Code of Federal Regulations (CFR) for FEMA, Subpart B, Agency Implementing Procedures, Part 10.9, a Programmatic Environmental Assessment (PEA) for Grant Programs Directorate Programs was prepared and a Finding of No Significant Impact (FONSI) was issued in July 2010, pursuant to Section 102 of the National Environmental Policy Act (NEPA) of 1969, as implemented by the regulations promulgated by the President's Council on Environmental Quality (CEQ; 40 CFR Parts 1500-1508). This Tiered Site-Specific Environmental Assessment (SEA) is being prepared in accordance with the July 2010 PEA. The focus of this Tiered SEA is on those areas of concern requiring additional discussion or analysis that are beyond the scope of the PEA.

II. Purpose and Need

Saint Charles Parish has applied for Emergency Operations Center Grant Program funding under application number 2008-EO-T8-0010. The purpose of this program is to provide for activities which improve emergency management and preparedness capabilities of communities in the United States.

Saint Charles Parish, Louisiana needs to improve general Parish government functions associated with mitigation, planning, and training. In addition, there is a need to provide a continuity of emergency operations, especially during major disasters.

III. Alternatives

Two project alternatives are proposed in this SEA: 1) No Action and 2) Preferred Action Alternative- Construction of a New Emergency Operational Center (EOC).

Under the No Action Alternative, the proposed EOC would not be constructed. As a result of this alternative, Saint Charles Parish would have to continue to use the existing EOC. The existing EOC is located in the underground first floor level of the Saint Charles Parish Courthouse and is approximately 2,000 square feet with eight rooms and two bathrooms. The two largest and most essential rooms, the Operations and Communications Rooms, were not designed for advanced technological equipment. The walls of the existing EOC are of concrete block construction, the ceilings are lined with asbestos, and the existing conduits are so constricted that no additional wiring can be fed through them. Therefore, the capability does not exist to run additional wiring or conduits for the technology needed in a modern emergency services environment. No sleeping quarters exist in this EOC; nor is there adequate storage. Offices double as closets and most rooms have stacks of equipment lining the walls. During an incident, the Operations Room serves as the hub of inter-agency coordination thereby requiring the accommodation of representatives from key agencies involved in the emergency management effort, but there is not adequate space to seat all representatives. Although the existing EOC does have redundant power, water, and sanitary sewer systems, these systems are not adequate to meet current needs, much less future needs. Security is a concern due to the existing EOC being located on the first of the four story public Courthouse, which is the shared home of other public agencies and various other parish government offices. Because the existing EOC is underground, it has no

provision for introducing natural light into the interior spaces and it is vulnerable to storm surge inundation. The glass window panes of the upper three floors of the Courthouse can only withstand winds up to 110 mph. It should also be noted that the existing EOC is not in compliance with the American Disabilities Act (ADA).

The Preferred Action Alternative is the construction of an approximate 13,000 square foot Emergency Operations Center in Hahnville, Louisiana. Currently a portion of the project site is developed as the Saint Charles Parish Department of Economic Development Office, Saint Charles Parish Planning and Zoning Office, and the Saint Charles Parish Library. The subject property will include the development of a proposed Department of Motor Vehicles, a File Storage Building, and the EOC; a total of approximately 4.5 acres will be disturbed. However, only the EOC is being considered for FEMA funding and is the only facility reviewed in this document. The proposed site is located along LA Highway 18 across from the Saint Charles Parish Courthouse (Latitude: 29.963611, Longitude -90.404722) (Appendix A).

The EOC will operate 24 hours a day, 7 days a week and under general conditions the personnel are engaged in mitigation and planning projects for St. Charles Parish, as well as professional development and training. The EOC will also serve as a conduit for all calls for St. Charles Parish Government after hours and will coordinate with 911 to handle many emergency calls (railroads, electrical lines, hazmat incidents, etc), including any from the nuclear power plant within the Parish. During an emergency, the EOC will act as a communications and operations hub for all necessary responding departments and agencies, capable of housing fifty to eighty personnel day and night, providing food, water and adequate spacing for them to do their job appropriately.

The design of the new EOC addresses all of the current EOC deficiencies and will facilitate the delivery of proactive mitigation services and efficient emergency response and recovery efforts to Saint Charles Parish residents and industries.

IV. Environmental Impacts

Discussion of the environmental impacts associated with the No Action Alternative is included in the July 2010 PEA. This document incorporates the PEA by reference. The PEA can be found in FEMA's electronic library at <http://www.fema.gov/library/viewRecord.do?id=4143>.

FEMA's environmental planning and historic preservation review reveals that all environmental areas of concern are appropriately accounted for in the PEA with the exception of floodplain impacts. Table 1 provides a summary of the findings for the environmental areas of concern that FEMA typically reviews.

In compliance with FEMA regulations implementing Executive Order 11988, Floodplain Management, FEMA is required to carry out the 8-step decision-making process for actions that are proposed in the floodplain per 44 CFR §9.6. Step 1 is to determine whether the project is located in the floodplain. FEMA has determined that the Preferred Action Alternative is located in a 500-year floodplain, Zone X (this area protected from the 100-year flood by levee, dike, or other structure subject to failure or overtopping during larger flooding.), as depicted on FIRM Community Panel 2201600125C, effective date June 16, 1992 (Appendix A). Per 44 CFR §9.4,

Emergency Operational Centers are considered as a critical action. FEMA must consider the 500-year floodplain for the base flood where the action being proposed involves a critical action. Step 2, is to notify and involve the public in the decision-making process, which will be incorporated into the notice of availability for this SEA.

Table 1: Summary of Other Environmental Areas of Concern

Area of Concern	No Action	Preferred Action
Historic properties	No effects.	The Department of Culture Recreation, and Tourism, Louisiana State Historic Preservation Officer has indicated on August 19, 2010 that No Known Historic Properties Will Be Affected By This Undertaking in response to a coordination letter dated July 28, 2010.
Endangered and threatened species and critical habitat	No effects.	The USFWS has indicated on August 03, 2010 that the project as proposed Is Not Likely to Adversely Affect Those Resources associated with Threatened or Endangered species in response to a coordination letter dated July 28, 2010.
Migratory birds	No effects.	No effects.
Water quality	No effects.	No effects.
Coastal resources	No effects.	Project site is within a CZMA. However, the Louisiana Department Of Natural Resources Office Of Coastal Management indicated in a letter dated September 30, 2010 that Pursuant to the State and Local Coastal Resources Management Act of 1978, as amended (La. R.S. 49:214.34.A), the proposed activity is exempt and a Coastal Use Permit is not required.
Wetlands	No effects.	No effects.
Low-income and minority populations	No effects.	Low income and minority populations are near project area. However, site improvement is anticipated to have a beneficial impacts to the community.

Step 3 is to identify and evaluate practicable alternatives to locating the proposed project in the floodplain, including alternative sites outside of the floodplain. The extent of the floodplain precludes practicable alternatives to locate the facility outside the floodplain. As a result, in this region, the 500-year floodplain is the only reasonable area outside the 100-year floodplain. Therefore no practicable alternative outside of the floodplain exists.

Step 4 is to identify impacts associated with occupancy and modification of the floodplain and support of floodplain development that could result from pursuing the Proposed Action Alternative. It is not anticipated that the Proposed Action Alternative will result in an increased base discharge nor should it increase the flood hazard potential to other structures. The proposed EOC will support general and emergency parish government operations 24 hours a day, 7 days a

week. The current project site is already developed and it is not anticipated that the Proposed Action Alternative will encourage future development in the floodplain.

Step 5 is to develop measures to minimize the impacts and restore and preserve the floodplain. In order to reduce the impact identified in Step 4 of flood hazards on the proposed new structures, the EOC has been designed to be compliant with FEMA recommendations for construction in flood hazard areas. Based on the proposed grading plans provided by the Applicant, the proposed site is elevated above the 500-year flood stage (Appendix A). The primary means of reaching the proposed EOC will be along the Louisiana State Highway 18 (LA 18) also known as “River Road”. It is a Hurricane Evacuation Route and is regularly maintained by the Louisiana Department of Transportation. As a contingency plan, Saint Charles Parish has proposed an alternate means of reaching the EOC from the paved top of the Mississippi Levee System that follows River Road. The levees are 27 feet above sea level and are traversable by motor vehicles using any of the many ramps throughout the state. During an emergency, the levees can be used by official personnel to travel outside of traffic congestion and possible flash-flooding situations. This would provide Saint Charles Parish Emergency Personnel access to the proposed EOC during flooding events. The regional Lafourche Basin Levee District (Appendix C) and Floodplain Administrator have been consulted by the parish. The Floodplain Administrator will be involved in the permitting and inspection process for the building to ensure that the building is constructed to meet or exceed current code requirements. All coordination pertaining to these activities and applicant compliance with any conditions should be documented and copies forwarded to the state and FEMA for inclusion in the permanent project files.

Step 6 is to determine whether the proposed action is practicable and to reevaluate alternatives. Per the discussion above, regarding that the proposed site will be above the 500-year flood stage, alternate road access in the event of flood conditions, and the unavailability of a suitable location outside of the floodplain, the Proposed Action Alternative is the only practicable alternative.

Step 7 requires that the public be provided with an explanation of any final decision that the floodplain is the only practicable alternative. In accordance with 44 CFR §9.12, Saint Charles Parish must prepare and provide a final public notice 15 days prior to the start of construction activities. Documentation of the final public notice is to be forwarded to FEMA for inclusion in the permanent project files.

Step 8 is to review the implementation and post-implementation phases of the proposed action to ensure that the requirements stated in 44 CFR §9.11 are fully implemented. Regulations given in 44 CFR §9.11 (d), maintain that there shall be no new construction or substantial improvement of structures involving a critical action unless the lowest floor of the structure (including the basement) is at or above the level of the 500-year flood. The Applicant will provide sealed engineered plans that substantiate the site’s elevation above the 500-year flood elevation. The Applicant has also proposed utilizing the top of the Mississippi Levee System as secondary access to the proposed EOC during flooding events.

FEMA has determined that the Saint Charles Parish EOC must be located in the 500-year floodplain because there are no practicable alternatives. Therefore, the location the Proposed Action Alternative in the X Zone is in compliance with 44 CFR §9.11 (d) because there are no practicable alternatives outside the 500-year floodplain.

V. Mitigation

1. Saint Charles Parish must conclude the consultation with the local floodplain administrator and obtain required permits prior to initiating work. All coordination pertaining to these activities and applicant compliance with any conditions should be documented and copies forwarded to the state and FEMA for inclusion in the permanent project files.
2. Saint Charles Parish must adhere to the conditions enumerated in the Lafourche Basin Levee District letter dated February 10, 2011.
3. In accordance with 44 CFR §9.12, Saint Charles Parish must publish a public notice 15 days prior to the start of construction activities. Documentation of the public notice is to be forwarded to FEMA for inclusion in the permanent project files.

In addition, Saint Charles Parish will be required to comply with the conditions that are stated in the PEA FONSI, dated July 7, 2010, for the Proposed Action Alternative (see Appendix B).

VI. Agencies Consulted (see Appendix C)

- Lafourche Basin Levee District
- Louisiana Department of Natural Resources, Office of Coastal Management
- Louisiana State Historic Preservation Officer
- U S Fish and Wildlife Service, Louisiana Field Office
- U.S. Army Corps of Engineers, New Orleans District

VII. Public Comment

The public was notified of the availability of the Draft SEA through the publication of a public notice on April 7, 2011 in The Times-Picayune. The Draft SEA document was also made available for public review on the FEMA's website at <http://www.fema.gov/plan/ehp/envdocuments/ea-region6.shtm> and at the Saint Charles Parish East Regional Library, 160 West Campus Drive, Destrehan, LA 70047 between April 7, 2011 and April 22, 2011 during the hours of 9:00 AM to 8:00 PM, Monday through Thursday and 9:00 AM to 5:00 PM, Friday and Saturday. A 15-day public comment period will commence on the initial date of the public notice. FEMA will consider and respond to all public comments in the Final SEA.

VIII. List of Preparers

Kevin Jaynes, CHMM, Regional Environmental Officer, FEMA Region VI
Alan Hermely, EHP Specialist, FEMA Region VI
Dorothy Weir, EHP Specialist, FEMA Region VI

Appendix A

Figures and Photographs

St. Charles Parish Emergency Operations Center Street Map



St. Charles Parish Emergency Operations Center Aerial Map

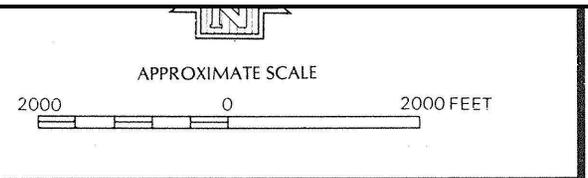
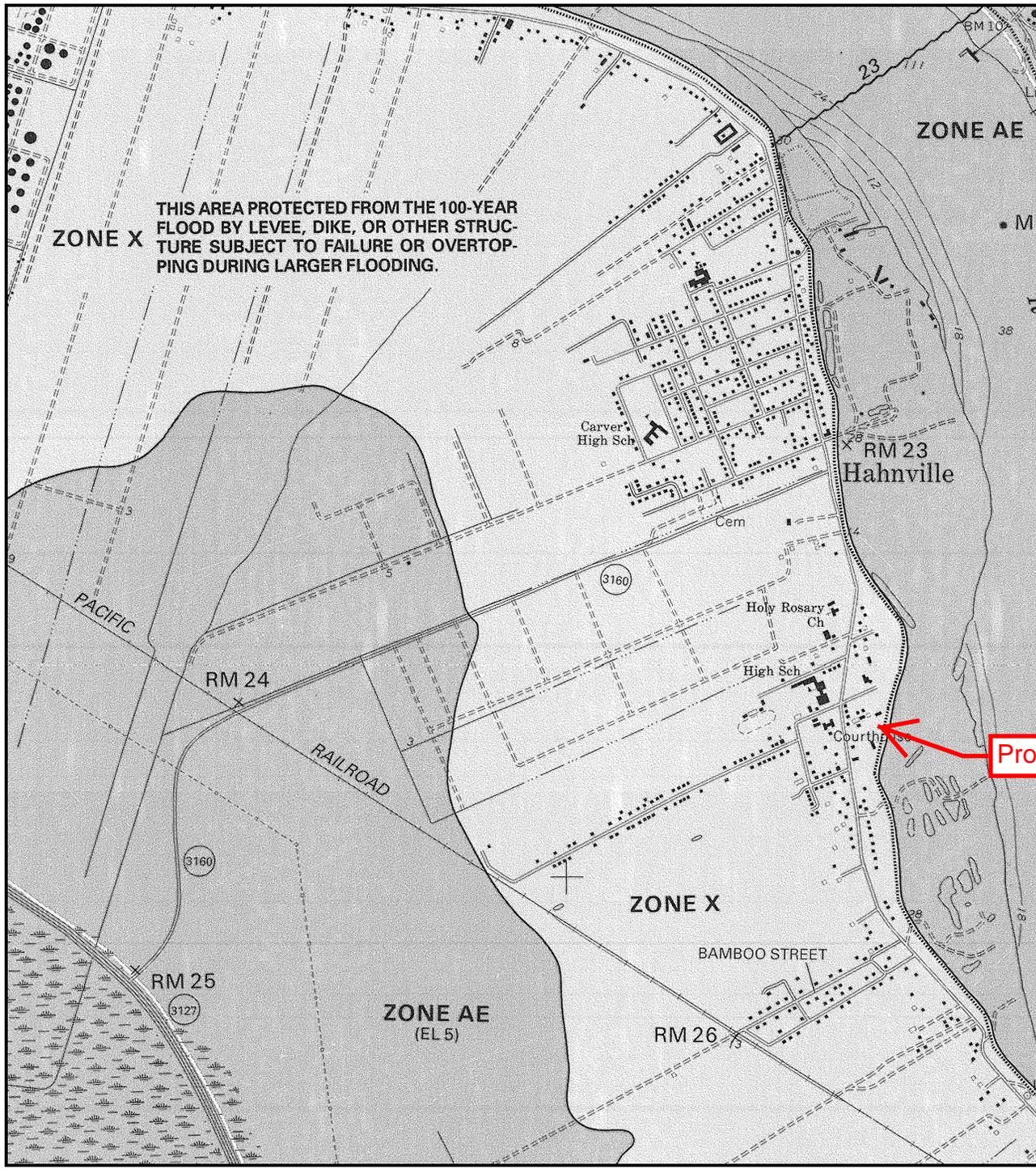


St. Charles Parish Emergency Operations Center Frontal Site View



Latitude: 29°57'49" N

Longitude: 90°24'17" W



NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

**ST. CHARLES PARISH,
LOUISIANA
(UNINCORPORATED AREAS)**

PANEL 125 OF 275
(SEE MAP INDEX FOR PANELS NOT PRINTED)

PANEL LOCATION

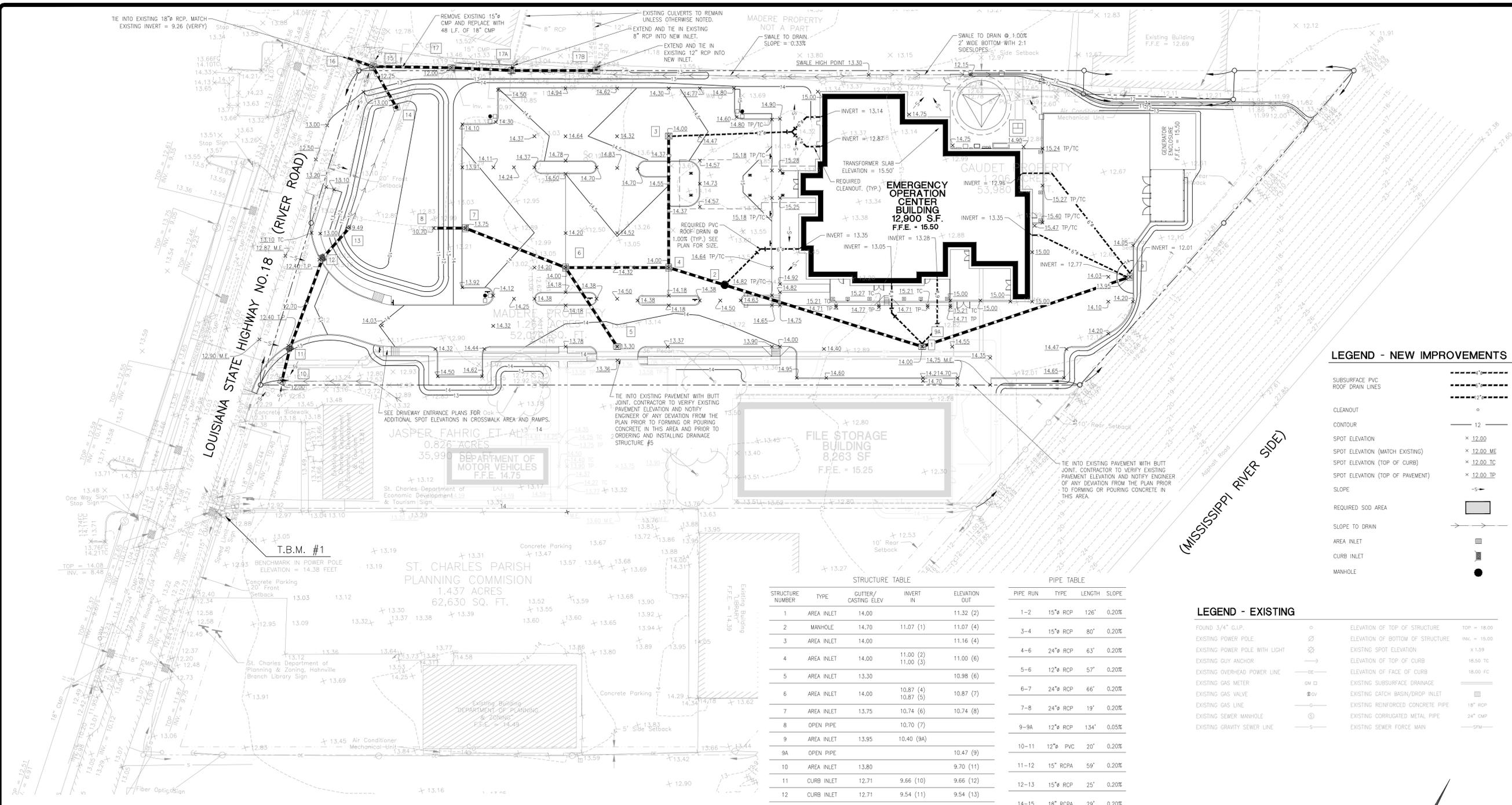
COMMUNITY-PANEL NUMBER
220160 0125 C

MAP REVISED:
JUNE 16, 1992

Federal Emergency Management Agency

Project Site

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov



GRADING NOTES:

- TOPOGRAPHIC INFORMATION WAS TAKEN FROM A TOPOGRAPHIC SURVEY BY ACADIA LAND SURVEYING DATED MAY 19, 2010 IF CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, HE SHALL HAVE MADE, AT HIS EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR AND SUBMIT IT TO THE CIVIL ENGINEER FOR REVIEW.
- EXISTING GRADE CONTOURS INTERVAL SHOWN AT ONE FOOT (1').
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE, THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE REQUIRED IMPROVEMENTS SHOWN ON THE PLANS.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL UTILITIES AND NOTIFYING THE APPROPRIATE UTILITY COMPANY PRIOR TO BEGINNING CONSTRUCTION.
- CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING STORM SEWER STRUCTURES, PIPES, AND ALL UTILITIES PRIOR TO CONSTRUCTION.
- CLEARING AND GRUBBING LIMITS SHALL INCLUDE ALL AREAS DISTURBED BY GRADING OPERATIONS. CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UNDISTURBED AREAS, ALL PROPERTY CORNERS, AND REPLACING ALL PINS ELIMINATED OR DAMAGED DURING CONSTRUCTION.
- THE EARTHWORK FOR ALL BUILDING FOUNDATIONS AND SLABS SHALL BE IN ACCORDANCE WITH THE FOUNDATION SUBSURFACE PREPARATION NOTE.
- FINISHED GRADE CONTOUR INTERVALS SHOWN AT ONE FOOT (1'). SOME ARE SHOWN AT 6" FOR CLARITY.
- CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL PLANS, POWER COMPANY, AND TELEPHONE COMPANY FOR ACTUAL ROUTING OF POWER AND TELEPHONE SERVICE TO THE BUILDING.
- CONSTRUCTION SHALL COMPLY WITH ALL GOVERNING CODES AND BE CONSTRUCTED TO THE SAME.
- CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURBS, ETC. REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS. ALL UN-SURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 300 OR 4 INCHES OF TOPSOIL, SEED, MULCH, WATER, ETC. CONTRACTOR SHALL GRASS DISTURBED AREAS IN ACCORDANCE WITH LADOT SPECIFICATIONS UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.
- FOR GENERAL NOTES, SEE DRAWING C-1.

STORM DRAINAGE NOTES:

- ALL PIPES ENTERING STORM SEWER STRUCTURES SHALL BE SEALED TO ASSURE CONNECTION AT STRUCTURE IS WATER TIGHT.
- ALL PIPES AND STRUCTURES ON STREET RIGHT-OF-WAY SHALL BE PER LOUISIANA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS.
- REFERENCE DETAIL SHEETS FOR CONSTRUCTION DETAILS.

SITE PREPARATION NOTES:

- STRATUM ENGINEERING, LLC PERFORMED A GEOTECHNICAL INVESTIGATION AT THE PROJECT SITE ON JULY 7, 2010. THE SITE PREPARATION NOTES BELOW ARE BASED ON THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT PREPARED BY STRATUM ENGINEERING, LLC DATED AUGUST 6, 2010. THE CONTRACTOR SHALL REVIEW THE GEOTECHNICAL REPORT IN ORDER TO UNDERSTAND THE CONDITIONS THAT WERE ENCOUNTERED DURING THE GEOTECHNICAL INVESTIGATION, HOWEVER THE REPORT SHALL NOT BE CONSIDERED A PART OF THE CONSTRUCTION DOCUMENTS UNLESS OTHERWISE NOTED IN THE PROJECT PLANS OR SPECIFICATIONS. THE CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING AND SCHEDULING THE REQUIRED CONSTRUCTION TESTING AS DEFINED BY THE PLANS AND SPECIFICATIONS. COPIES OF THE CONSTRUCTION TESTING REPORTS RELATED TO EARTHWORK AND CONCRETE PLACEMENT SHALL BE PROVIDED TO THE CIVIL ENGINEER. REFER THE PLANS, DETAILS, AND SPECIFICATIONS FOR TESTING REQUIREMENTS AND RESPONSIBILITIES.
- SITE PREPARATION** - SITE PREPARATION IS EXPECTED TO INCLUDE, BUT IS NOT LIMITED TO THE DEMOLITION AND REMOVAL OF EXISTING PAVEMENT AND LIMESTONE AREAS AS NOTED IN THE PLANS. EXISTING UTILITY LINES IN THE PROJECT AREA SHALL BE LOCATED AND RE-ROUTED AS NECESSARY. FURTHERMORE, ANY TOPSOIL, ORGANICS, VEGETATION, TREE STUMPS, AND ANY OTHER DELETERIOUS MATERIALS SHALL BE STRIPPED AND REMOVED FROM THE PROPOSED PAVEMENT AREAS. BASED ON THE GEOTECHNICAL BORINGS TAKEN BY STRATUM ENGINEERING, LLC ABOUT 6 INCHES OF SILTY SANDY TOPSOIL WITH ORGANICS WAS ENCOUNTERED AT THE SITE. THE TOPSOIL SHALL BE STRIPPED AND REMOVED FROM THE PROJECT SITE AND DISPOSED BY THE CONTRACTOR. TOPSOIL CAN BE USED FOR LANDSCAPING. THE ACTUAL STRIPPING DEPTH SHALL BE DETERMINED BY A QUALIFIED GEOTECHNICAL TESTING LAB AT THE TIME OF CONSTRUCTION.
 - PRODE ROLL** - ONCE THE SITE HAS BEEN CLEARED AND TOPSOIL STRIPPED, AND PRIOR TO PLACING FILL, THE SUBGRADE SHALL BE PROFFROLLED WITH A TANDEM AXLE DUMP TRUCK OR A SIMILAR HEAVILY LOADED RUBBER Tired VEHICLE. SOILS, WHICH ARE OBSERVED TO RUT OR DEFLECT EXCESSIVELY UNDER THE MOVING LOAD SHALL BE UNDERCUT AND REPLACED WITH PROPERLY COMPACTED STRUCTURAL FILL. THE PROFFROLLING, UNDERCUTTING, AND FILL PLACEMENT ACTIVITIES SHALL BE WITNESSED BY A QUALIFIED GEOTECHNICAL TESTING LAB AND SHALL BE PERFORMED DURING A PERIOD OF DRY WEATHER.
 - STRUCTURAL FILL PLACEMENT** - AFTER THE SUBGRADE PREPARATION AND OBSERVATION HAVE BEEN COMPLETED, FILL PLACEMENT CAN BEGIN. THE STRUCTURAL FILL SHALL BE PLACED IN A RELATIVELY UNIFORM HORIZONTAL LIFT AND SHALL BE ADEQUATELY KEPT INTO THE STRIPPED AND SCARIFIED SOILS. COHESIVE STRUCTURAL FILL SHOULD BE FREE OF ORGANIC OR OTHER DELETERIOUS MATERIALS HAVE A LIQUID LIMIT LESS THAN 40 AND A PLASTICITY INDEX OF LESS THAN 18. GRANULAR STRUCTURAL FILL SUCH AS LOCALLY AVAILABLE "PUMPED" RIVER SAND MAY ALSO BE USED FOR STRUCTURAL FILL. THE SAND SHALL HAVE LESS THAN TEN (10) PERCENT PASSING THE #200 SIEVE.
 - FILL COMPACTION** - THE STRUCTURAL FILL SHALL BE PLACED IN MAXIMUM LIFTS OF EIGHT (8) INCHES OF LOOSE MATERIAL AND SHALL BE COMPACTED WITHIN THE RANGE OF ONE (1) PERCENTAGE POINT BELOW TO THREE (3) PERCENTAGE POINTS ABOVE THE OPTIMUM MOISTURE CONTENT VALUE. IF WATER MUST BE ADDED, IT SHALL BE UNIFORMLY APPLIED AND THOROUGHLY MIXED INTO THE SOIL BY DISKING OR SCARIFYING. EACH LIFT OF COMPACTED STRUCTURAL FILL SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF THE FILL'S MAXIMUM DRY DENSITY AS DETERMINED BY ASTM DESIGNATED D-698 (STANDARD PROCTOR). FILL COMPACTION SHALL BE TESTED BY A QUALIFIED GEOTECHNICAL TESTING LAB PRIOR TO PLACEMENT OF SUBSEQUENT LIFTS. IN-PLACE DENSITY MEASUREMENTS SHOULD BE TAKEN TO ASSURE THAT THE ABOVE DEGREE OF COMPACTION IS ACHIEVED. A MINIMUM TESTING FREQUENCY OF 1 TEST PER 2,500 S.F. OF FILL PLACED SHALL BE REQUIRED WITH A MINIMUM OF (3) TEST PER LIFT BEING REQUIRED. THE COMPACTED STRUCTURAL FILL SHALL EXTEND FIVE (5) FEET BEYOND THE PERIMETER OF THE BUILDINGS PRIOR TO SLOPING. THE STRUCTURAL FILL SHALL EXTEND ONE (1) FOOT BEYOND THE EDGE OF PAVEMENT ON PAVED PARKING AREAS. COMPACTION OF THE FILL IN THE PILE SUPPORTED BUILDING AREAS MAY BE WAIVED.

STRUCTURE TABLE

STRUCTURE NUMBER	TYPE	GUTTER/CASTING ELEV.	INVERT IN	ELEVATION OUT
1	AREA INLET	14.00		11.32 (2)
2	MANHOLE	14.70	11.07 (1)	11.07 (4)
3	AREA INLET	14.00		11.16 (4)
4	AREA INLET	14.00	11.00 (2) 11.00 (3)	11.00 (6)
5	AREA INLET	13.30		10.98 (6)
6	AREA INLET	14.00	10.87 (4) 10.87 (5)	10.87 (7)
7	AREA INLET	13.75	10.74 (6)	10.74 (8)
8	OPEN PIPE		10.70 (7)	
9	AREA INLET	13.95	10.40 (9A)	
9A	OPEN PIPE			10.47 (9)
10	AREA INLET	13.80		9.70 (11)
11	CURB INLET	12.71	9.66 (10)	9.66 (12)
12	CURB INLET	12.71	9.54 (11)	9.54 (13)
13	OPEN PIPE		9.49 (12)	
14	OUTLET CONTROL STRUCTURE	14.00		9.35 (15)
15	AREA INLET	12.25	9.29 (14) 9.29 (17)	9.29 ()
16	OPEN PIPE			
17	NDS-PVC YARD INLET	12.00	9.53 (17A)	9.53 (15)
17A	NDS-PVC YARD INLET	12.00	9.73 (17B)	9.71 (17) -3.54 (TIE IN 8")
17B	NDS-PVC YARD INLET	12.00	11.17 (TIE IN 12")	9.99 (17A)
TIE IN 8"	TIE IN		-3.54 (17A)	
TIE IN 12"	TIE IN			11.18 (17B)

PIPE TABLE

PIPE RUN	TYPE	LENGTH	SLOPE
1-2	15" RCP	126'	0.20%
3-4	15" RCP	80'	0.20%
4-6	24" RCP	63'	0.20%
5-6	12" RCP	57'	0.20%
6-7	24" RCP	66'	0.20%
7-8	24" RCP	19'	0.20%
9-9A	12" RCP	134'	0.05%
10-11	12" PVC	20'	0.20%
11-12	15" RCPA	59'	0.20%
12-13	15" RCP	25'	0.20%
14-15	18" RCPA	29'	0.20%
15-16	18" RCP	16'	0.20%
15-17	18" RCP	48'	0.50%
17-17A	18" PVC	37'	0.50%
17A-17B	15" PVC	52'	0.50%
17A-TIE IN 18"	PVC	3'	0.00%
17B-TIE IN 18"	PVC	3'	0.20%
ASDF	15" RCP	36'	0.20%

PIPE NOTES:

IN THE DRAINAGE CHART, THE "PIPE TYPE" COLUMN DEFINES THE SIZE AND MATERIAL TYPE OF THE PIPE. WHERE A SPECIFIC PIPE TYPE IS CALLED FOR, THAT SPECIFIC PIPE TYPE MUST BE UTILIZED. WHERE AN ASTERISK (*) IS SPECIFIED, THE CONTRACTOR MAY UTILIZE ANY ONE OF THE PIPE TYPES LISTED BELOW. THE #S LISTED REFER TO THE FOLLOWING PIPE TYPES:
 1. REINFORCED CONCRETE PIPE (RCP/RCPA)
 2. POLYVINYL CHLORIDE PIPE (PVC)
 3. CORRUGATED METAL PIPE (CMP / CMPA) 14 GAUGE W/ BITUMINOUS COATING

STRUCTURE TYPES:

DRAINAGE STRUCTURES SHALL BE PRECAST OR CAST-IN-PLACE CONCRETE IN ACCORDANCE WITH DOTD REQUIREMENTS AS FOLLOWS:
 AREA INLETS CB-01 (PIPE SIZE 36" AND SMALLER)
 MANHOLES RCB-11 MOD.
 CURB INLETS CB-06
 ALL INLET FRAMES AND GRATES SHALL BE WILCOX FOUNDRY CORP. CATALOG #W-4663 OR EQUAL.

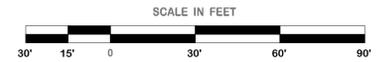
LEGEND - NEW IMPROVEMENTS

- SUBSURFACE PVC ROOF DRAIN LINES
- CLEANOUT
- CONTOUR
- SPOT ELEVATION
- SPOT ELEVATION (MATCH EXISTING)
- SPOT ELEVATION (TOP OF CURB)
- SPOT ELEVATION (TOP OF PAVEMENT)
- SLOPE
- REQUIRED SOD AREA
- SLOPE TO DRAIN
- AREA INLET
- CURB INLET
- MANHOLE

LEGEND - EXISTING

- FOUND 3/4" G.I.P.
- EXISTING POWER POLE
- EXISTING POWER POLE WITH LIGHT
- EXISTING GUY ANCHOR
- EXISTING OVERHEAD POWER LINE
- EXISTING GAS METER
- EXISTING GAS VALVE
- EXISTING GAS LINE
- EXISTING SEWER MANHOLE
- EXISTING GRAVITY SEWER LINE
- ELEVATION OF TOP OF STRUCTURE
- ELEVATION OF BOTTOM OF STRUCTURE
- EXISTING SPOT ELEVATION
- ELEVATION OF TOP OF CURB
- ELEVATION OF FACE OF CURB
- EXISTING SUBSURFACE DRAINAGE
- EXISTING CATCH BASIN/DROP INLET
- EXISTING REINFORCED CONCRETE PIPE
- EXISTING CORRUGATED METAL PIPE
- EXISTING SEWER FORCE MAIN

GRADING PLAN



REVISION	BY

DDG DUPLANTIS DESIGN GROUP, PC
 Respect • Integrity • Client Satisfaction • Excellence
 Thibodaux // Covington // Houston // Baton Rouge
 New Orleans // Metairie // Lake Charles // Hammond
 Slidell // Lakeview // Thibodaux, Louisiana 70301
 Phone: 985-447-7009 Fax: 985-447-7009

SIGNATURE: _____ DATE: _____

EMERGENCY OPERATIONS CENTER
HANVILLE, LOUISIANA
ST. CHARLES PARISH GOVERNMENT
FOR ST. CHARLES PARISH GOVERNMENT
HANVILLE, LOUISIANA

DRAWN MTB
CHECKED GRL
ISSUED DATE 12-17-10
ISSUED FOR REVIEW
PROJECT NO. 09-205
FILE 09-205 PH-3
GRADING PLAN
SHEET C-2

Appendix B

Finding of No Significant Impact (FONSI)

For

**Final Programmatic Environmental Assessment
for the Evaluation of FEMA's Grant Programs
Directorate Programs**



FEMA

FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA)

FINDING OF NO SIGNIFICANT IMPACT (FONSI)

**FINAL PROGRAMMATIC ENVIRONMENTAL ASSESSMENT
FOR THE EVALUATION OF FEMA'S GRANT PROGRAMS
DIRECTORATE PROGRAMS**

BACKGROUND

In accordance with the National Environmental Policy Act (NEPA) of 1969, FEMA's regulations for implementing NEPA at 44 Code of Federal Regulations (CFR) Part 10, and the President's Council on Environmental Quality NEPA implementing regulations at 40 CFR Parts 1500-1508, FEMA prepared a draft Programmatic Environmental Assessment (PEA) to evaluate the potential impacts to the human environment resulting from typical actions funded by FEMA's Grant Programs Directorate (GPD) through the homeland security and emergency preparedness grant programs. These programs provide grant funding to States, territories, local and Tribal governments, and private entities to enhance their homeland security and emergency preparedness efforts. The PEA is incorporated by reference into this FONSI.

The PEA is intended for actions that are relatively minor in scale and typically considered for funding under the various GPD programs. The PEA evaluated two alternatives: no action and program implementation. Under the program implementation alternative, FEMA evaluated the following seven project types: planning; management and administration; training; exercises; purchase of mobile and portable equipment; modification of existing structures and facilities; and new construction. FEMA will develop Tiered Site-specific Environmental Assessments (SEA) for those GPD actions requiring evaluation under areas of concern not evaluated in this PEA, having impacts beyond those described in the PEA, requiring mitigation to reduce the level of impacts below significance, or otherwise requiring a Tiered SEA as identified in Table 5-1 in the PEA.

Notice of the availability of the PEA was published in the Federal Register on April 8, 2010, for a 30-day public comment period. Based on comments received, FEMA removed communication towers as a project type evaluated in the PEA. FEMA will develop a separate analysis tiered from this PEA to address communication towers and will provide a 15-day public comment period on that document.

CONDITIONS

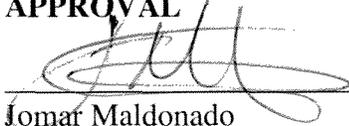
Actions under this PEA and FONSI must meet the following conditions. Failure to comply with these conditions would make the FONSI determination inapplicable for the project and could jeopardize the receipt of FEMA funding.

1. Excavated soil and waste materials will be managed and disposed of in accordance with applicable local, state, and federal regulations. If contaminated materials are discovered during construction activities, the work will cease until the appropriate procedures and permits are implemented.
2. The grantee and subgrantee will follow applicable mitigation measures as identified in Section 7 of the PEA to the maximum extent possible.
3. In the event that unmarked graves, burials, human remains, or archaeological deposits are uncovered, the grantee and subgrantee will immediately halt construction activities in the vicinity of the discovery, secure the site, and take reasonable measures to avoid or minimize harm to the finds. All archaeological findings will be secured and access to the sensitive area restricted. The grantee and subgrantee will inform FEMA immediately and FEMA will consult with the State Historic Preservation Officer (SHPO) and/or Tribal Historic Preservation Officer (THPO) or appropriate Tribal official. Construction work cannot resume until FEMA completes consultation and appropriate measures have been taken to ensure that the project is in compliance with the National Historic Preservation Act and other applicable Federal and State requirements.
4. The grantee and subgrantee must meet any project-specific conditions developed and agreed upon between FEMA and with environmental planning or historic preservation resource and regulatory agencies during consultation or coordination.
5. The grantee and subgrantee are responsible for obtaining and complying with all required local, State and Federal permits and approvals.

FINDING

Based upon the information contained in the Final PEA, the potential impacts resulting from the seven project types analyzed in the PEA, and in accordance with FEMA's regulations at 44 CFR Part 10 and Executive Orders 11988 (Floodplain Management), 11990 (Protection of Wetlands), and 12898 (Environmental Justice), FEMA finds that the implementation of the proposed action will not have significant impacts to the quality of the human environment. Therefore, an Environmental Impact Statement (EIS) will not be prepared. This FONSI is based upon proposed actions fitting one of the seven project types described in the Final PEA and meeting all conditions prescribed for that particular project type.

APPROVAL



Jomar Maldonado
Environmental Officer

Date 7/2/10

Elizabeth M. Harman
Assistant Administrator
Grant Programs Directorate

Date _____

Appendix C

Agency Consultation

Grants



DEPARTMENT OF THE ARMY
NEW ORLEANS DISTRICT, CORPS OF ENGINEERS
P. O. BOX 60267
NEW ORLEANS, LOUISIANA 70160-0267

AUG 18 2010



REPLY TO
ATTENTION OF

Operations Division
Operations Manager,
Completed Works

Mr. V.J. St. Pierre, Jr., Parish President
St. Charles Parish
Post Office Box 302
Hahnville, Louisiana 70057

Dear Mr. Pierre:

This is in response to the Solicitation of Views request dated July 28, 2010, concerning the construction of an Emergency Operations Center near 15012 River Road, at Hahnville, Louisiana, in St. Charles Parish.

We have reviewed your request for potential Department of the Army regulatory requirements and impacts on any Department of the Army projects.

We do not anticipate any adverse impacts to any Corps of Engineers projects.

You are advised that you must obtain a permit from the Lafourche Basin Levee District for any work within 1500 feet of a federal flood control structure such as a levee. Performance of all subsurface work within this area is usually restricted when the stage of the Mississippi River is above elevation +11.0 feet on the Carrollton gage, at New Orleans, Louisiana. As a consequence, subsurface work should be scheduled for performance during the low-water period (typically June through November) to avoid delays in performance of the proposed work. You must apply by letter to the Lafourche Basin Levee District including full-size construction plans, cross sections, and details of the proposed work. Concurrently with your application to the Lafourche Basin Levee District, you must also forward a copy of your letter and plans to Operations Division, Operations Manager for Completed Works of the Corps of Engineers and to the Office of Coastal Protection and Restoration (OCPR) in Baton Rouge for their review and comments concerning the proposed work. The Lafourche Basin Levee District will not issue a permit for the work to proceed until they have obtained letters of no objection from both of these reviewing agencies. For further information regarding permit requests affecting federal flood control levees and structures, please contact Ms. Amy Powell, Operations Manager for Completed Works at (504) 862-2241.

Based on review of recent maps, aerial photography, and soils data, we have determined that this property is not in a wetland subject to Corps of Engineers jurisdiction. A Department of the Army permit under Section 404 of the Clean Water Act will not be required for the deposition or redistribution of dredged or fill material on this site.

Please be advised that this property is in the Louisiana Coastal Zone. For additional information regarding coastal use permit requirements, contact Ms. Christine Charrier, Coastal Management Division, Louisiana Department of Natural Resources at (225) 342 7953.

You are advised that this approved jurisdictional determination is valid for a period of 5 years from the date of this letter unless new information warrants revision prior to the expiration date or the District Commander has identified, after public notice and comment, that specific geographic areas with rapidly changing environmental conditions merit re-verification on a more frequent basis.

Off-site locations of activities such as borrow, disposals, haul-and detour-roads and work mobilization site developments may be subject to Department of the Army regulatory requirements and may have an impact on a Department of the Army project.

Please contact Mr. Robert Heffner, of our Regulatory Branch by telephone at (504) 862-1288, or by e-mail at Robert.A.Heffner@usace.army.mil for questions concerning wetlands determinations or need for on-site evaluations. Questions concerning regulatory permit requirements may be addressed to Mr. Michael Farabee by telephone at (504) 862-2292 or by e-mail at Michael.V.Farabee@usace.army.mil.

Future correspondence concerning this matter should reference our account number MVN-2010-01929-SA. This will allow us to more easily locate records of previous correspondence, and thus provide a quicker response.

Sincerely,



Karen L. Oberlies
Solicitation of Views Manager

Please see page 3 for copies furnished.

Copy Furnished:

Ms. Christine Charrier
Coastal Zone Management
Department of Natural Resources
Post Office Box 44487
Baton Rouge, Louisiana 70804-4487

DDG

WWW.DDGPC.COM

DUPLANTIS DESIGN GROUP, PC

THIBODAUX \ COVINGTON \ HOUSTON \ BATON ROUGE

314 East Bayou Road Thibodaux, LA 70301
PHONE 985.447.0090 \ FAX 985.447.7009

July 28, 2010

Mrs. Pam Breaux, SHPO
Department of Culture, Recreation, and Tourism
P.O. Box 44247
Baton Rouge, Louisiana 70804-4247

**RE: Proposed Emergency Operations Center
St. Charles Parish Government
Hahnville, Louisiana 70057
DDG Project No. 09-205**

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

Phil Boggan 8-19-10
Phil Boggan Date
Deputy State Historic Preservation Officer

Dear Mrs. Breaux,

Duplantis Design Group, P.C. (DDGPC) is preparing a Storm Water Pollution Prevention Plan on the above referenced project located in St. Charles Parish, Louisiana. Currently, a portion of the project site is developed as the St. Charles Parish Department of Economic Development, St. Charles Parish Planning and Zoning and the St. Charles Parish Library. The subject property will include the development of a proposed Department of Motor Vehicles, a File Storage Building and an Emergency Operations Center; approximately 4.5 acres will be disturbed. The proposed site, as shown on the enclosed Site Plan, is located along LA Highway 18 across from the St. Charles Parish Courthouse.

DDGPC consulted the Louisiana National Register of Historic Places (NRHP) website on July 27, 2010. According to the web page, there is one facility (see attached) located with-in a 1 mile radius of the project site.

DDGPC requests that the following statement be confirmed in regard to the indicated site and the area immediately adjacent to the indicated site.

1. The facility will not affect districts, sites, buildings, structures or objects listed, or eligible for listing in the National Register of Historic Places.
2. The facility will not affect Indian Religious Sites.

Please forward a written response to my attention at the address shown below at your earliest convenience. If you have any questions or require additional information, please feel free to contact me at (985) 447-0090.

Sincerely,
Duplantis Design Group, P.C.

Andree S. Cortez
Andree Cortez, P.E.

Enclosure

JUL 28 2010

LBLD

COMMISSIONERS
John Boughton
St. James Parish
Leonce Carmouche
Assumption Parish
Joseph Dantin
St. Charles Parish
Dale Dennis, Sr.
Ascension Parish
Stanley Folse
St. James Parish
Robert LeBlanc
Assumption Parish
Russell Loupe
St. Charles Parish
Robert Monti
St. Charles Parish
William Sirmon, Jr.
St. Charles Parish
Warner Sylvain
St. John the Baptist
Wayne Waguespack
St. James Parish

LAFOURCHE BASIN LEVEE DISTRICT

P.O. Box 670 – 21380 Highway 20
Vacherie, LA 70090
(225)265-7545
1-800-827-7034
FAX: (225) 265-7648

Re: Request for a revision to original plan to include a generator enclosure, fuel tank slab and to excavate an existing ditch at the Emergency Operations Center in Hahnville, St. Charles Parish

February 10, 2011

Attention: Mrs. Andree Cortez

Dear Mr. Cortez:

RECORDED
FEB 14 2011
LAFOURCHE BASIN LEVEE DISTRICT

In reference to your original request on behalf of St. Charles Parish Government, dated November 4, 2010 and revised January 20, 2011 relative to the above mentioned subject. This letter will certify that the Board of Commissioner for the Lafourche Basin Levee District has no objections the proposed work as detailed in your letter, provided:

- 1)The work accomplished is in accordance with the application and drawings dated November 4, 2010 and revised drawings dated December 8, 2010, January 4, 2011 and revisions dated January 20, 2011. Any changes to the limits of scope of the proposed work must be submitted for additional review. The Levee District must be contacted in writing prior to commencement and at the end of activities.**
- 2) All piles are driven when the stage of the Mississippi River is below elevation +11.0 feet National Geodetic Vertical Datum (NGVD) on the Carrollton gage, at New Orleans, Louisiana. Current river stages may be obtained by accessing the Corps website at www.mvn.usace.army.mil or calling 504-862-2461.**
- 3) That all provisions of the original letter dated January 25, 2011, referenced above, not affected by this revision, remain in effect.**

FURTHER, this letter on no objection does not purport to authorize your entry upon any land, public or private including lands owned by this Board, without first securing from the owner(s) permission to conduct such operations. This letter does not purport to waive the requirements of other governmental and subgovernmental bodies.

**Mrs. Andree Cortez
Duplantis Design Group, PC**

February 10, 2011

Page 2

The APPLICANT agrees to indemnify and save grantor harmless from any and all liability, including liability of grantor to applicant to the no objection offered. APPLICANT further agrees to appear and defend any and all suits instituted against the Board arising out of and/or incident to this letter of no objection and to pay in full any judgement rendered against the Board arising out of and/or incident to this letter of no objection.

**Very truly,
Lafourche Basin Levee District**



**Randy Trosclair
Executive Director**

**sl
xc: Department of the Army
New Orleans, Louisiana**

**Office of Coastal Protection and Restoration
Baton Rouge, Louisiana**



DUPLANTIS DESIGN GROUP, PC
 THIBODAUX \ COVINGTON \ HOUSTON \ BATON ROUGE
 314 East Bayou Road Thibodaux, LA 70301
 PHONE 985.447.0090 \ FAX 985.447.7009



July 28, 2010

Mrs. Angela Culpepper
 Fish and Wildlife Service
 646 Cajundome Blvd.
 Suite 400
 Lafayette, LA 70506

This project has been reviewed for effects to Federal trust resources under our jurisdiction and currently protected by the Endangered Species Act of 1973 (Act). The project, as proposed, Will have no effect on those resources Is not likely to adversely affect those resources. This finding fulfills the requirements under Section 7(a)(2) of the Act.

Deborah A. Fuller Aug 3, 2010
 Acting Supervisor
 Louisiana Field Office
 U.S. Fish and Wildlife Service
 Date

**RE: Proposed Emergency Operations Center
 St. Charles Parish Government
 Hahnville, Louisiana 70057
 DDG Project No. 09-205**

Dear Angela,

Duplantis Design Group, P.C. (DDGPC) is preparing a Storm Water Pollution Prevention Plan on the above referenced project located in St. Charles Parish, Louisiana. The purpose of the letter is to request verification that federally listed, endangered species or their designated critical habitat will not be affected by the development of the project site.

Currently, a portion of the project site is developed as the St. Charles Parish Department of Economic Development, St. Charles Parish Planning and Zoning and the St. Charles Parish Library. The subject property will include the development of a proposed Department of Motor Vehicles, a File Storage Building and an Emergency Operations Center; approximately 4.5 acres will be disturbed. The proposed site, as shown on the enclosed Site Plan, is located along LA Highway 18 across from the St. Charles Parish Courthouse.

The site will discharge storm drainage into the existing subsurface drainage system along LA Highway 18 and into the existing drainage swale located along the Mississippi River Levee.

Please determine if the proposed construction site or associated storm water discharges are within the vicinity of federally listed or endangered species or their designated critical habitat. Please respond in writing so that I may complete the stormwater permit. If you have any questions or need additional information, please call.

Sincerely,
 Duplantis Design Group, P.C.
Andree S. Cortez
 Andree Cortez, P.E.

Enclosure

**DEPARTMENT OF NATURAL RESOURCES
OFFICE OF COASTAL MANAGEMENT**

P.O. BOX 44487
BATON ROUGE, LOUISIANA 70804-4487

(225) 342-7591
1-800-267-4019

COASTAL USE AUTHORIZATION/CONSISTENCY DETERMINATION

C.U.P No.: P20101204

NAME : ST. CHARLES PARISH GOVERNMENT
ST. CHARLES PARISH GOVERNMENT
P.O. BOX 44487
HAHNVILLE, LA 70804

LOCATION: Saint Charles Parish, LA
Lat. 29° 57' 47"N, Long. 90° 24' 19"W; Sections 16 & 17, T13S-R20E; 15045
Highway 18, Hahnville, LA

DESCRIPTION: Construction of three (3) buildings (Department of Motor Vehicles, File Storage Building and Emergency Operations Center) including all infrastructure, detention and parking, and a communications tower for St. Charles Parish Government. Approx. 528 cu. yds. of native material will be excavated and hauled off site. Approx. 5,273 cu. yds. of sand and 2,026 cu. yds. of concrete will be required for project activities. No other excavation or fill will be required.

Pursuant to the State and Local Coastal Resources Management Act of 1978, as amended (La. R.S. 49:214.34.A), the proposed activity is exempt and a Coastal Use Permit is not required.

This determination is valid for two (2) years from the date of this letter. If the proposed activity is not initiated within this two year period, this determination will expire. The applicant will notify the Office of Coastal Management of the date on which initiation of the proposed activity began by entering a commencement date through the online system, or by mailing said information to OCM. Initiation does not include preparatory activities, such as movement of equipment onto the Coastal Use site, expenditure of funds, contracting out of work, or performing activities which by themselves do not require a permit. In addition, Permittee must, in good faith and with due diligence, reasonably progress toward completion of the project once the Coastal Use has been initiated.

This determination has been made on the basis of information provided by your application. If it is later established that you furnished erroneous data, you may be directed to alter or modify your plans, to remove structures you have installed, and/or to restore the work area to pre-project conditions at your own expense. If it is established that you knowingly furnished erroneous data, you could also be subject to legal action.

This determination does not eliminate the need to obtain a permit from the United States Army, Corps of Engineers or any other Federal, state or local approval that may be required by law. The drawings submitted with your referenced application are attached hereto and made a part of the record. If you have any questions regarding this authorization, please contact our office (225) 342-7591 or (800) 267-4019.

***** End of Determination *****

By accepting this determination the applicant agrees to its terms and conditions.

I affix my signature and issue this determination this 30th day of September, 2010.

DEPARTMENT OF NATURAL RESOURCES



Greg Ducote, For Karl L. Morgan, Acting Administrator
Office of Coastal Management

This agreement becomes binding when signed by the Administrator of
the Office of Coastal Management Permits/Mitigation Division, Department of Natural Resources.

Attachments

