



LOUISIANA NATURAL AND SCENIC RIVERS SYSTEM

PERMIT APPLICATION

Permit # 967 (Assigned by Department)

The Louisiana Department of Wildlife and Fisheries' Scenic Rivers program is authorized by LRS title 56, Chapter 9 Part II. This law requires permits authorizing activities in or affecting rivers that have been designated by the Louisiana Legislature as Natural and Scenic. Information provided on this form will be used in evaluating the application for a permit. Information in this application is made a matter of public record through issuance of a public notice. Disclosure of the information requested is voluntary, however, the data requested is necessary in order to communicate with the applicant and to evaluate the permit application. If necessary information is not provided, the permit application cannot be processed nor can a permit be issued.

APPLICANT INFORMATION

Name of Applicant	City of Covington	Name of Agent (if any)	Richard C. Lambert Consultants
Address	317 N Jefferson Avenue	Address	900 West Causeway Approach
City, State, Zip	Covington, LA, 70433	City, State, Zip	Mandeville, LA 70471
Phone	985-892-1811	Phone	985-727-4440
Email Address	dhill@covla.com	Email Address	galvero@rciconsultants.com

DESCRIPTION OF THE PROPOSED ACTIVITY

Brief summary of the description and purpose of the proposed activity (details to be attached as a separate document)

Emergency removal and replacement of crossing located on W. 15th Avenue in Covington, LA.

Is any portion of the activity complete? YES or NO (if yes, indicate month and year of completion)

LOCATION OF PROPOSED ACTIVITY

Stream Name	Rattlesnake Branch
Address	W. 15th Avenue
City, State, Zip	Covington, La. 70433
Parish	St. Tammany
SecTownship/Range	LA 24/T6S/R11E
Latitude/Longitude	30.481727/-90.124689

ADJACENT LANDOWNERS

Names, Addresses, Phone Numbers of Adjacent Landowners

ENVIRONMENTAL ASSESSMENT

Must be a separate document. See the attached instruction sheet for completing the assessment.

CONFIRMATION OF INFORMATION ACCURACY

Application is hereby made for a Scenic River Permit to authorize the activities described herein. I certify that I am familiar with the information contained in this application and that, to the best of my knowledge and belief, such information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities, or I am acting as the duly authorized agent of the applicant.

MAYOR Signature

5/26/16 Date



State of Louisiana

BOBBY JINDAL
GOVERNOR

DEPARTMENT OF WILDLIFE AND FISHERIES

ROBERT J. BARHAM
SECRETARY

Dear Scenic River Permit Applicant:

Please review and concur on the following statement regarding the issuance of permits by the Louisiana Department of Wildlife and Fisheries. This agreement must be signed and returned before a Scenic River Permit can be issued.

"I have been advised and do understand that by applying for and accepting a Scenic Rivers permit issued by the Louisiana Department of Wildlife and Fisheries, I am being allowed to engage in an activity which would otherwise be prohibited by law or for which a permit is required. I understand that the permit is not a license and confers no property right upon me. I specifically agree to abide by all State and Federal fish and wildlife laws and regulations, and all State and Federal laws and regulations which relate to this permit or the permitted activity, and by all other terms and conditions of this permit. I understand that the permit for which I am applying may be suspended, annulled, withdrawn or revoked and that I may be assessed civil penalties; all in accordance with the provision of the Louisiana Administrative Procedure Act, and that I may be denied future permits as a consequence of my failure to fully and completely comply with the terms and conditions of the permit, as well as other laws and regulations pertinent thereto. If served with or notified of a cease and desist order signed by the Scenic Rivers Administrator, I agree to immediately and without delay cease all activities and operations which relate to the permitted activity or which are impacting the Scenic River, until such time as the matter can be resolved in an adjudicatory hearing pursuant to the Louisiana Administrative Procedure Act. I understand and agree that any permit issued to me by the Louisiana Department of Wildlife and Fisheries is in the nature of a privilege which is being voluntarily extended to me by the Department and the failure on my part to cooperate with the Department can result in the loss of the privilege conferred and the denial of future requests for permits. By accepting this permit, I evidence my agreement to be bound by all conditions and stipulations set forth herein."

Authorized Signature

A handwritten signature in blue ink, appearing to read "MAYOR", written over a horizontal line.

Date

5/26/16

REV 12/7/98

RICHARD C. LAMBERT CONSULTANTS, L.L.C.

May 25, 2016

Mr. Chris Davis
LDWF Scenic Rivers Program
2000 Quail Drive, Room 432
Baton Rouge, LA 70808
Telephone: (225)-765-2642



SUBJECT: Scenic River Permit-Environmental Assessment
W. 15th Avenue Culvert Washout Repair Project
Applicant: City of Covington, LA
Agent: Richard C. Lambert Consultants, LLC

Dear Mr. Davis:

As a result of the damages caused by the intense rainfall on March 10, 2016, Richard C. Lambert Consultants was consulted to perform remediation design and provide construction services for the emergency removal and replacement of the flood damaged quadruple cross drainage culvert (84" CMP) located in Covington, LA on W. 15th Avenue between Patricia Drive and Menetre Drive. See attached Scenic River Permit Application, Vicinity Map for details, Statement of Applicants Compliance History, and construction plans.

This crossing allows storm water from Rattlesnake Branch to drain under W. 15th Avenue where it eventually discharges into the Tchefuncle River. The purpose of the project is to remove and replace the washed out crossing.

Please review this submittal as an urgent/emergency situation. W. 15th Avenue is an emergency access route utilized by emergency vehicles. This area frequently experiences heavy rainfalls around this time of the year. Heavy rainfalls can worsen the condition of the already damaged culvert and transport additional undesirable washout material further downstream. In efforts to avoid these complications we are applying for an emergency permit.

The permits required are as follows:

- LA Department of Environmental Quality (LADEQ) *
- LA Scenic River Permit

*LADEQ permit should not be required as the replacement crossing is not anticipated to be a significant pollution point source. Best Management Practices will be implemented.

RICHARD C. LAMBERT CONSULTANTS, LLC

The environmental assessment criteria per the Louisiana Department of Wildlife and Fisheries are as follows:

- 1.) Existing Land Use: Transportation-Culvert Drainage Crossing
- 2.) Wilderness Qualities: No Apparent Impact. There will be no additional excavation other than to remove washout debris and install culvert.
- 3.) Scenic Values: There will be minimal impact to the scenic values. The replacement crossing is designed to match existing conditions.
- 4.) Ecological Regimes: No Apparent Impact. Standard excavation practices are to be used to remove washed out debris and to place replacement crossing culvert. Culverts are designed in accordance with existing stream inverts.
- 5.) Recreational Use/Opportunities: No Apparent Impact. Project intent is to restore roadway infrastructure to existing condition.
- 6.) Aesthetic Values: No Apparent Impact. Proposed structure will be similar to the existing structure.
- 7.) Fish and Aquatic Life: No Apparent Impact.
- 8.) Wildlife: No Apparent Impact
- 9.) Historical and Archaeological Resources: No Apparent Impact.
- 10.) Geological Resources: No Apparent Impact.
- 11.) Botanical Resources: No Apparent Impact.
- 12.) Water Quality and Quantity: No Apparent Impact. The existing culvert is to be replaced with a structure of similar qualities. Standard excavation practices are to be used to remove washed out debris and to place replacement crossing culvert.
- 13.) Hydrologic Features: No Apparent Impact. The proposed crossing will have similar runoff characteristics as existing conditions.
- 14.) Cultural Resources: No Apparent Impact.
- 15.) Economic Impact of Project: Restore transportation infrastructure to the area.

There are no reasonable alternatives to this project. Remediation design and replacement of the culvert is evaluated to be the most economical with minimal impact on the Rattlesnake Branch Watershed.

Federal Emergency Management Agency's (FEMA) replacement policy mandates the replacement culvert be replaced to existing conditions (4-84" CMP Culverts). The crossing will be designed to these dimensions and countersunk 1 foot per LDWF recommendations.

RICHARD C. LAMBERT CONSULTANTS, LLC

Steps to minimize and/or offset potential impact are as follows:

- 1.) Culverts shall be sloped to match existing streambed gradient to allow partial siltation of the culvert, providing a more natural substrate for aquatic organisms.
- 2.) Round culverts are recommended to be countersunk to 12 inches.
- 3.) Upstream culvert openings should be regularly maintained and kept free of debris.
- 4.) Construction should be done in a manner that avoids disturbance to the forest floor, exposure of soils, and disturbance of stream banks.
- 5.) Silt fencing installation should be implemented to minimize undesirable construction material transportation.
- 6.) There should be no commercial clearcutting within 100 feet of the low water mark.
- 7.) All proper guidelines and setbacks have been observed in accordance with LDWF Scenic River Requirements, the Corp of Engineers, local, parish requirements.

Photographs of Project Site

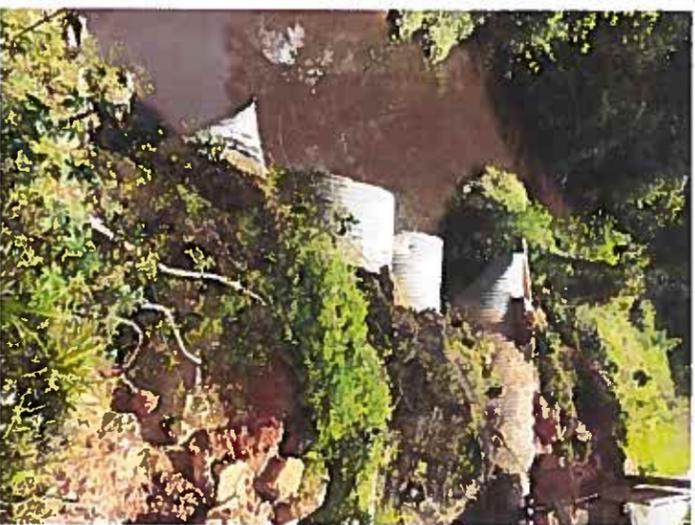


Figure 1: View Upstream of Crossing



Figure 2: View Downstream of Crossing

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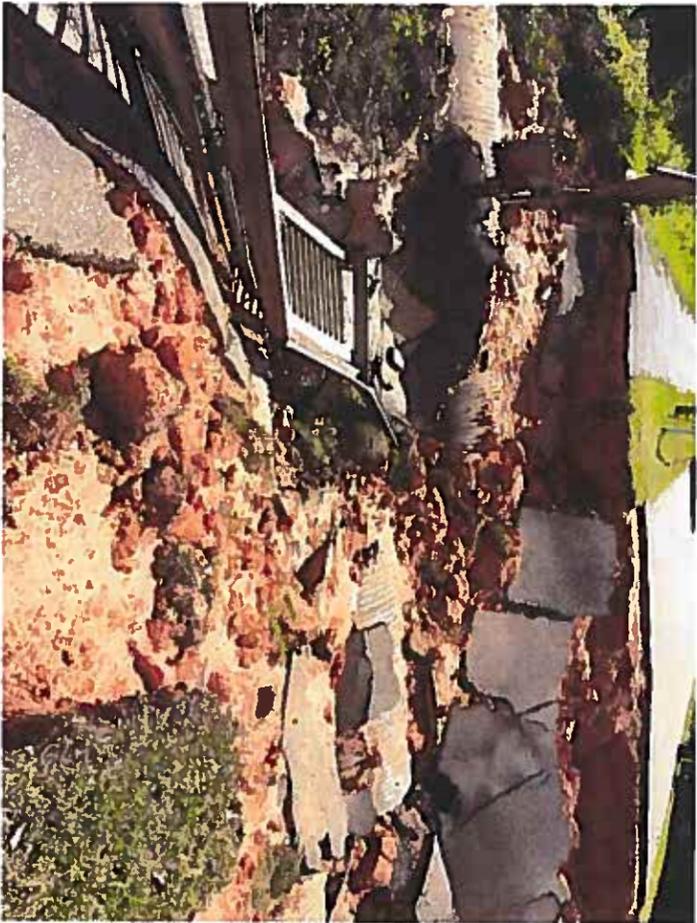


Figure 3: View Looking Southeast

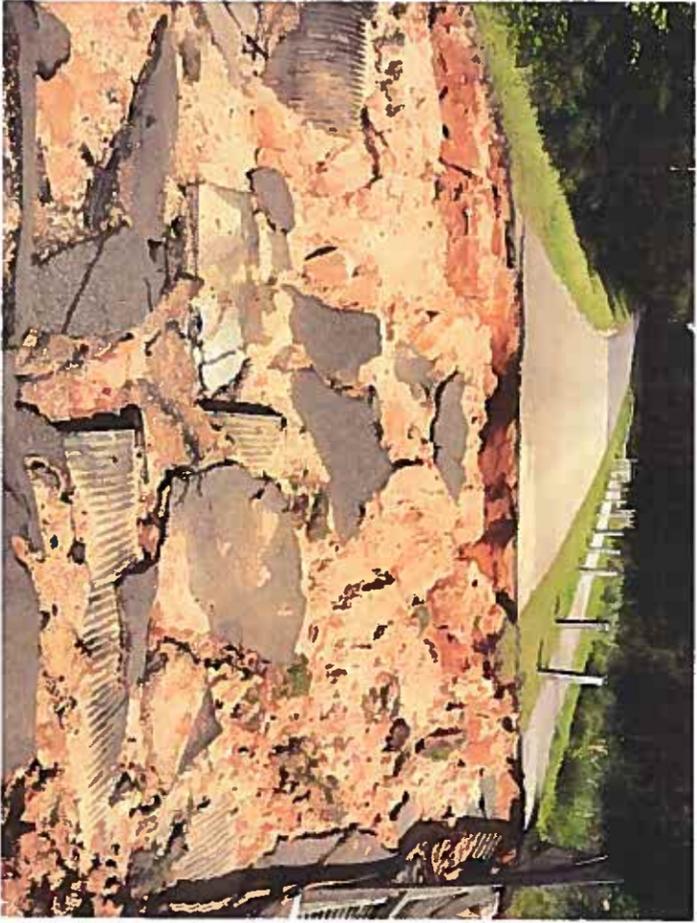


Figure 4: View Looking Northwest

RICHARD C. LAMBERT CONSULTANTS, LLC

900 West Causeway Approach, Mandeville LA 70471
Phone: 985.727.4440 Fax: 985.727.4447
E-mail: rcic@rciconsultants.com

New Orleans Office
E-mail: rcic@rciconsultants.com



Figure 5: Aerial view of culvert crossing washout
Source: Google Earth

Attached is a Statement of Applicant's Compliance History from Mayor Mike Cooper on behalf of the City of Covington as required by LDWLF as part of the Scenic Rivers Permit application.

If you have any questions or require further action on our part, please contact me.

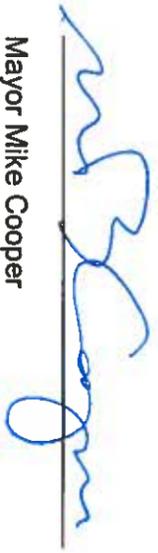
Yours truly,
RICHARD C. LAMBERT CONSULTANTS, LLC


Franz J. Ziemmer, P.E.
Manager – Design

RICHARD C. LAMBERT CONSULTANTS, LLC

Statement of Applicants Compliance History

I, Mike Cooper as mayor of Covington, certify to the best of my knowledge that the City of Covington, Louisiana has never been cited for any violation of the Scenic Rivers Act in Louisiana or any other state in the United States of America.



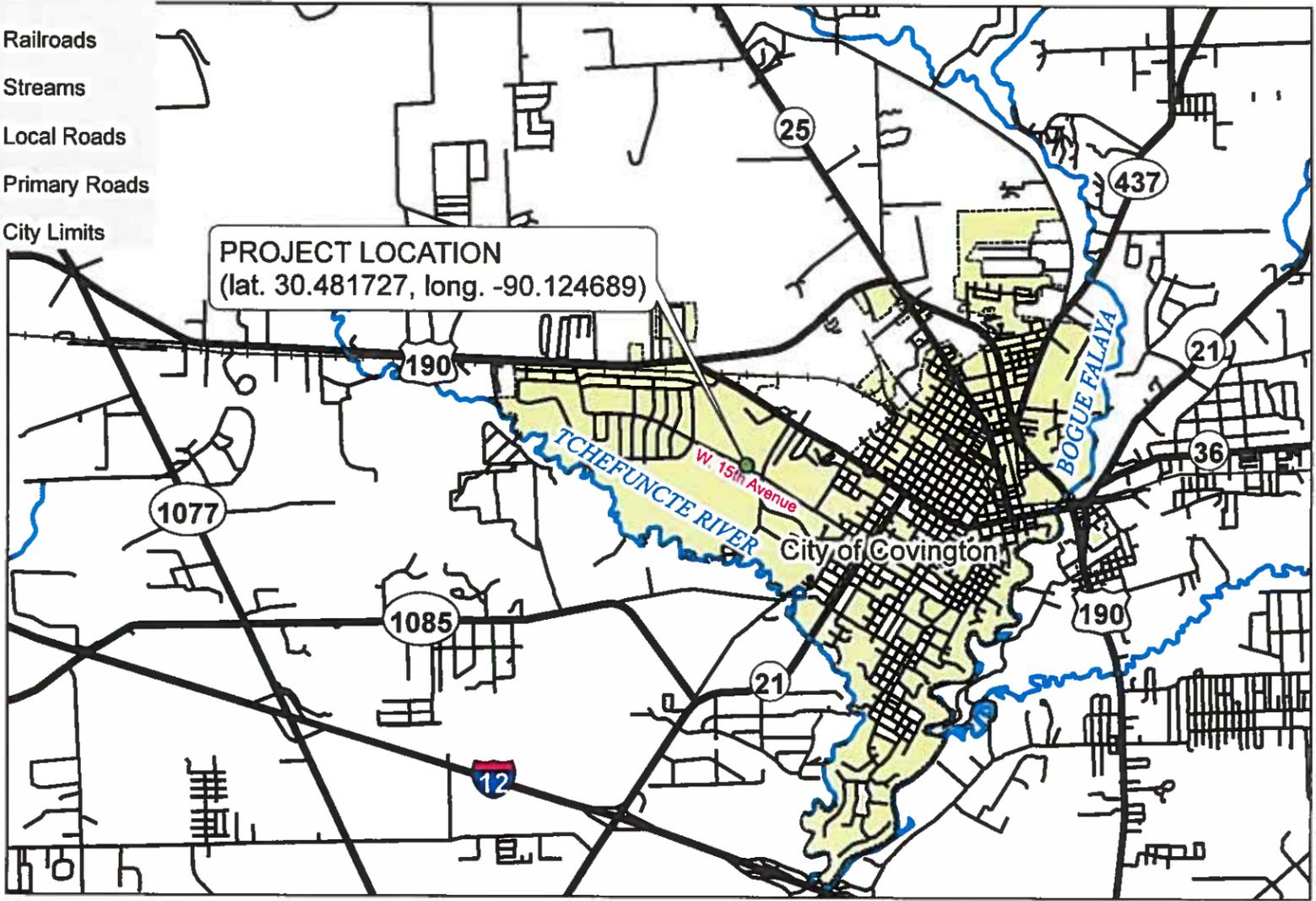
Mayor Mike Cooper

5/26/16

Date

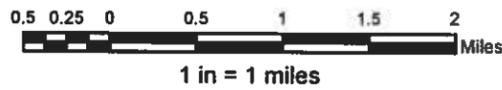
Legend

-  Railroads
-  Streams
-  Local Roads
-  Primary Roads
-  City Limits



15th AVENUE CULVERT WASHOUT REPAIR

ST. TAMMANY PARISH, LOUISIANA



Project Number: 716-07



Date: 5/2/2016

W. 15TH AVENUE CULVERT WASHOUT REPAIR

ST. TAMMANY PARISH, LOUISIANA

CITY OF COVINGTON

INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	TOPOGRAPHIC SURVEY
3	BASELINE LAYOUT
4	DEVIATION PLAN
5	EXISTING SITE PHOTOGRAPHS
6	CULVERT LAYOUT
7	GENERAL NOTES
8	SUMMARY OF ESTIMATED QUANTITIES
9	TYPICAL SECTION

STANDARD PLANS

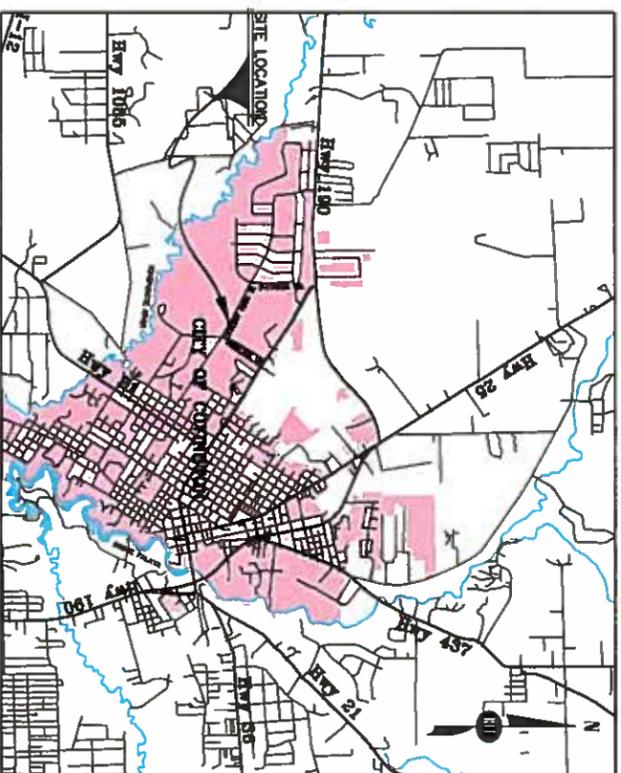
SHEET NO.	REVISION DATE
207	11-14-97
208	10-05-05
210, 211	8-22-07
	HW-9000R2
	SAW-1 (1, 2 of 2)
	BA-01 (1, 2 of 2)

DATE	DESCRIPTION

TYPE OF CONSTRUCTION

REPAIR AND REPLACEMENT OF QUARRY F BARREL
CULVERT WITH 18" DIAMETER AND 12' SPAN
REMOVAL AND REPLACEMENT OF EXISTING ASPHALT
ROADWAY.

ST. TAMMANY PARISH, LOUISIANA



DATA USED: MAP 1988
 MAP: N/A
 REVISIONS: N/A
 TRACED: 0/0 (N/A)
 LEVEL BOOKS: N/A

LOCATION MAP



NOTE: THE 2008 EDITION OF THE LOUISIANA DATA STANDARD SPECIFICATIONS SHALL GOVERN THIS PROJECT EXCEPT AS AMENDED BY SPECIAL PROVISIONS AND/OR SUPPLEMENTAL SPECIFICATIONS SECTION.

SURVEY REFERENCE:

A TOPOGRAPHIC SURVEY OF THE PROJECT AREA WAS CONDUCTED BY FRANK J. ZEMMER, P.E., CITY OF COVINGTON, ST. TAMMANY PARISH, LOUISIANA BY TURNER SURVEYS, LLC.
 ALL DEVIATIONS SHOWN REFER TO N.A. V.L. 1988 DATA.
 REFERENCE S.I.L. = CONTIGUOUS OPERATING REFERENCE STATIONING AND ELEVATION DATA FOR THE PROJECT AREA.
 REFERENCE S.I.L. = NORTH AMERICAN VERTICAL DATUM.
 REF. THE NETWORK (COORDINATE).

SITE BENCH MARK: 600 N.H.L. IN SOUTH FACE OF POWER POLE. POLE IS ON NORTH-EAST SIDE OF W. 15TH AVE. AND 120' SOUTHEAST OF WASHOUT AREA.
 DL = 26.42' N.A.V.D.



**PERMIT SET
NOT FOR CONSTRUCTION**
 6/26/18
 FRANK J. ZEMMER, P.E.
 L.A. License No. 50022
 THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION OR OTHER PURPOSES.

APPROVALS



RECOMMENDED FOR APPROVAL:

 Date

APPROVED:

 Daniel Hill, P.E.
 City of Covington Engineer
 St. Tammany Parish

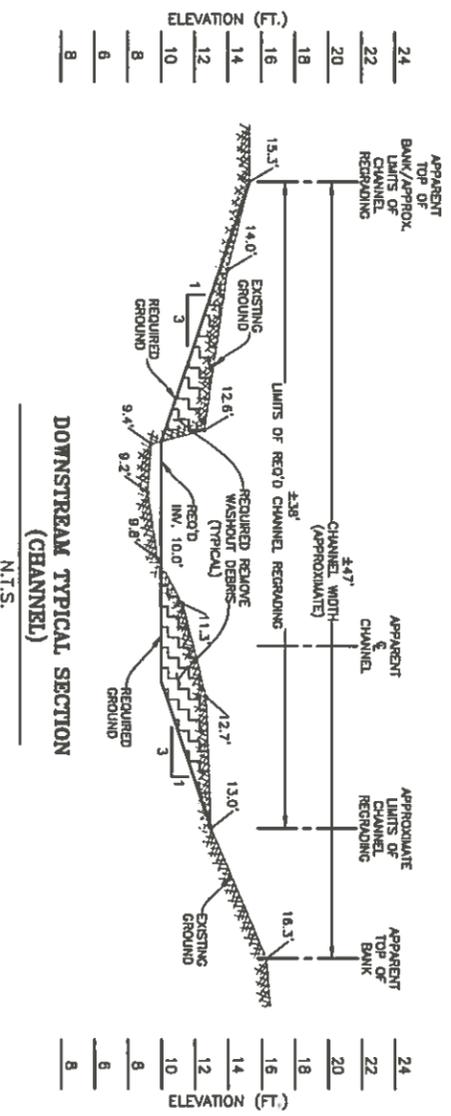
CONSULTANTS, L.L.C.
RICHARD C. LAMBERT
 CONSULTANTS, L.L.C.

300 W. Calcasieu Avenue
 Lake Charles, LA 70601
 857-727-4440
 Fax: 857-727-4447

SUMMARY OF ESTIMATED QUANTITIES

ITEM	DESCRIPTION	UNIT	QUANTITY
201-01-00100	CLEANING AND GRUBBING	ACRE	0.038
202-01-00100	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP SUM	LUMP SUM
202-02-00200	REMOVAL OF ASPHALT PAVEMENT (FULL DEPTH)	SQ. YD.	533.3
202-02-32140	REMOVAL OF STORM DRAIN PIPE (64" CORRUGATED METAL PIPE) EXCAVATION AND DISMANTLEMENT	LNK. FT.	284
203-05-00100	EXCAVATION AND DISMANTLEMENT	LUMP SUM	LUMP SUM
302-02-02101	CLASS II BASE COURSE (CRUSHED STONE OR RECYCLED PCC)(6" THICK)	SQ. YD.	137.3
302-02-08121	CLASS II BASE COURSE (CRUSHED STONE OR RECYCLED PCC)(12" THICK)	SQ. YD.	574.4
501-01-A	ASPHALTIC CONCRETE WEARING COURSE (TYPE 3)(4" THICK)	TON	80.1
501-02-B	ASPHALTIC CONCRETE BINDER COURSE (TYPE 3)(4" THICK)	TON	120.1
501-01-C	ASPHALTIC CONCRETE WEARING COURSE (TYPE 3)(4" THICK)	TON	10.5
501-02-D	ASPHALTIC CONCRETE BINDER COURSE (TYPE 3)(4" THICK)	TON	10.5
711-01-03000	RIPRAP (30 LB. 1 1/2" THICK)	SQ. YD.	223.4
727-01-00100	HYDROSEEDING	ACRE	0.303
728-01-00100	HYDROSEEDING	ACRE	0.303
740-01-00100	CONSTRUCTION LAYOUT	LUMP SUM	LUMP SUM
S-001	GROSS DRAIN PIPE (64" PCCSP, 12 GAUGE)	LNK. FT.	280
S-002	4 BARREL 64" REINFORCED CONCRETE HEADWALL	EACH	2
S-003	ENVIRONMENTAL PROTECTION	LUMP SUM	LUMP SUM
S-004	CONSTRUCTION MATERIAL TESTING	LUMP SUM	LUMP SUM
S-005	AS-BUILT SURVEY AND PLANS	LUMP SUM	LUMP SUM
S-006	EXPLORATORY EXCAVATION	EACH	4

- 1) PAY ITEM QUANTITIES MAY BE ADJUSTED TO SUIT SITE CONDITIONS PER DIRECTION OF PROJECT ENGINEER.
- 2) CONTRACTOR IS RESPONSIBLE FOR CALCULATION OF QUANTITIES FOR ALL LUMP SUM BID ITEMS.
- 3) THE LINES AND GRADES SHOWN ON THE PLANS MAY BE MODIFIED SUBJECT TO THE PROJECT ENGINEER'S PERMITS. ANY CHANGES TO THE CONTRACT QUANTITIES ARE INVOLVED.
- 4) COST TO REMOVE GRASS, ROOTS AND VEGETATION IN CONTACT WITH REQUIRED WORK SHALL BE INCLUDED UNDER ITEM NUMBER 201-01-00100, "CLEANING AND GRUBBING".
- 5) ALL VEGETATION AND DEBRIS WITHIN THE PROJECT LIMITS AND IN CONTACT WITH PROPOSED CONSTRUCTION SHALL BE REMOVED UNDER ITEM NO. 201-01-00100.
- 6) ALL COSTS FOR EXCAVATION, BACKFILL, BEDDING MATERIAL AND GEOTEXTILE FABRIC OF REQUIRED CROSS DRAIN PIPE AND HEADWALLS SHALL BE INCLUDED UNDER ITEM NO. 201-01-00100.
- 7) ALL COSTS FOR EXCAVATION, BACKFILL, BEDDING MATERIAL AND GEOTEXTILE FABRIC OF REQUIRED CROSS DRAIN PIPE AND HEADWALLS SHALL BE INCLUDED UNDER ITEM NO. 201-01-00100.
- 8) TEMPORARY RELOCATION OF SIGNS AND SUPPORTS SHALL BE AT NO DIRECT PAY.
- 9) REMOVAL AND REPLACEMENT OF ROAD POST AND BALANCE SHALL BE AT NO DIRECT PAY.
- 10) THE CONTRACTOR IS REQUIRED TO SUBMIT ALL EXISTING ASPHALT PAVEMENTS WHICH ARE TO REMAIN ADJACENT TO THE REQUIRED WORK. SAW CUT SHALL BE FULL DEPTH. SAMPLING WILL NOT BE REQUIRED FOR PAVEMENT AND ALL COSTS SHALL BE INCLUDED IN ITEM 202-02-00200.
- 11) ASPHALTIC CONCRETE SHALL BE TYPE 3, AC-30 IN ACCORDANCE WITH URBAN STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, 2004 EDITION.
- 12) THERE SHALL BE NO DIRECT PAY FOR WATCHING AND FENCING HYDROSEEDING AREAS.
- 13) CONTRACTOR SHALL PROVIDE AS-BUILT PLANS TO CORRECT FINAL GRADES, INVERTS, AND REQUIRED STRUCTURES. AS-BUILT SURVEY SHALL BE CONDUCTED BY A PROFESSIONAL LAND SURVEYOR.



DATE	DESCRIPTION	BY
	REVISIONS	

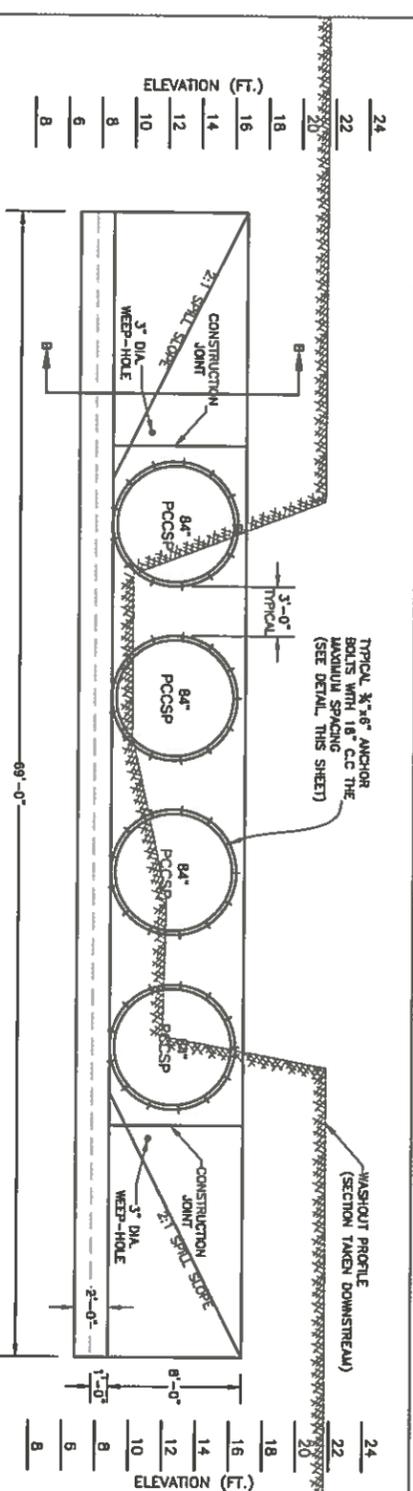


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Fax: 985-727-4447

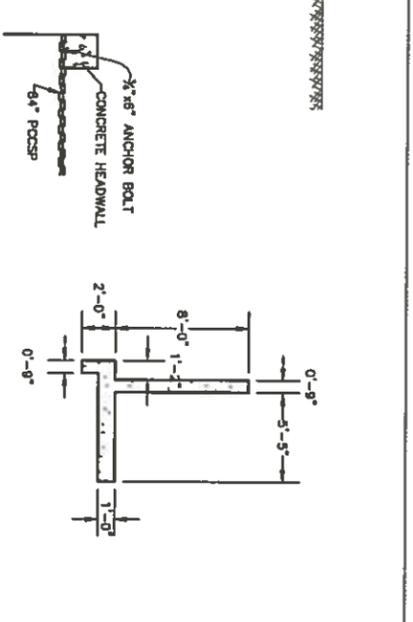
PERMIT SET
NOT FOR CONSTRUCTION
5/20/16
FRANC J. ZEMAR, P.E.
LA License No. 28222
715 BOULEVARD 8, SUITE 200
CONSTRUCTION OF BRIDGE STRUCTURES

W. 15th AVENUE CULVERT
WASHOUT REPAIR
SUMMARY OF ESTIMATED QUANTITIES
ST. TAMMANY PARISH, LOUISIANA

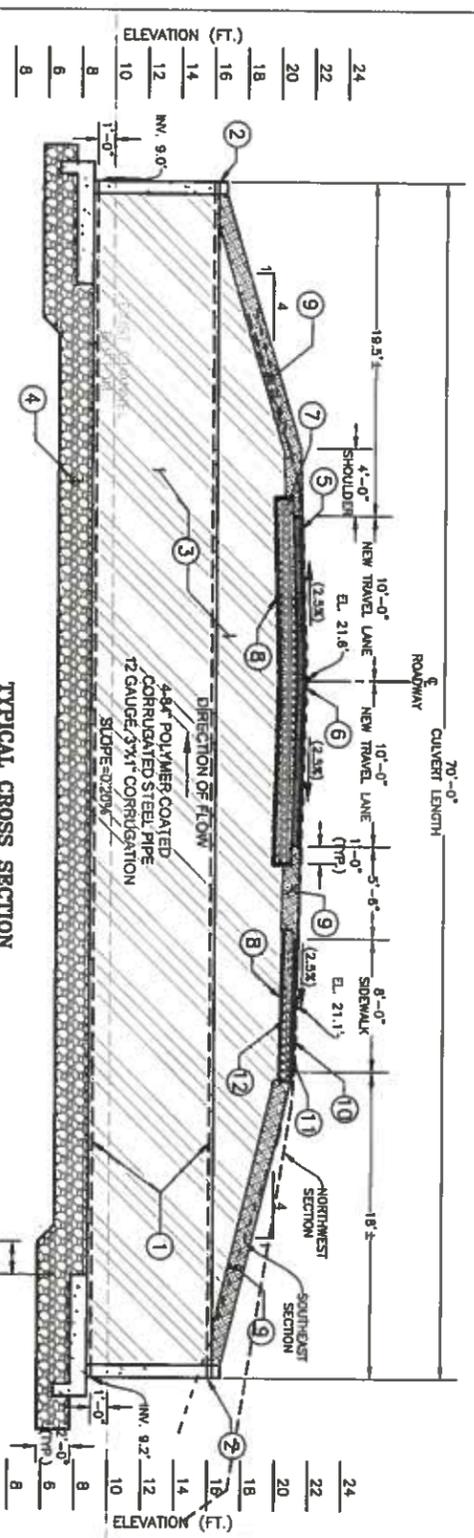
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SCALE: A1:2
DESIGNED BY: [Signature]
CHECKED BY: [Signature]
DATE: 4/26/16
SCALE: A1:2
DRAWING NO. 7



TYPICAL HEADWALL ELEVATION
4-84" POLYMER COATED CORRUGATED STEEL PIPE (PCCSP)
N.T.S.
(LOOKING NORTHEAST)



TYPICAL HEADWALL CONNECTION DETAIL
N.T.S.
TYPICAL HEADWALL DETAIL SECTION B-B
N.T.S.



TYPICAL CROSS SECTION
4-84" POLYMER COATED CORRUGATED STEEL PIPE (PCCSP)
N.T.S.
(LOOKING NORTHWEST)

NOTE:
* IF SUITABLE PLASTIC MATERIAL IS NOT AVAILABLE FROM PROJECT SITE, CONTRACTOR SHALL PROVIDE PLASTIC EMBANKMENT MATERIAL AT HIS COST.

- LEGEND**
- ① CROSS DRAIN PIPE (84" PCCSP) (ITEM 701-01-02280)
 - ② CONCRETE HEADWALL (LA00TD SPECIAL DETAIL HW-900CMP2)
 - ③ TYPE A BACKFILL (CRUSHED STONE OR FLOWABLE FILL)
 - ④ BEDDING MATERIAL (CRUSHED STONE) (24" THICK)
 - ⑤ TYPE 3 ASPHALTIC CONCRETE WEARING COURSE (AC-30) (2")
 - ⑥ TYPE 3 ASPHALTIC CONCRETE BINDER COURSE (AC-30) (4")
 - ⑦ CLASS II BASE COURSE (CRUSHED STONE OR RECYCLED P.C. CONCRETE (12" THICK))
 - ⑧ GEOTEXTILE FABRIC (INCLUDE COST IN ITEM 302-02-00800)
 - ⑨ SUITABLE PLASTIC MATERIAL, OBTAINED FROM EXCAVATION OR PLASTIC EMBANKMENT MATERIAL PROVIDED BY THE CONTRACTOR. SUITABLE PLASTIC MATERIAL SHALL CONFORM TO LA00TD SUBSECTION 203.06(4). NO DIRECT PAYMENT FOR PROMISING AND INSTALLING PLASTIC MATERIAL OR CONTRACTOR PROVIDED MATERIAL.
 - ⑩ TYPE 3 WEARING COURSE (AC-30) (1.5")
 - ⑪ TYPE 3 BINDER COURSE (AC-30) (1.5")
 - ⑫ CLASS II BASE COURSE (CRUSHED STONE OR RECYCLED P.C. CONCRETE (6" THICK))
- LIMITS OF TYPE A BACKFILL**
(CRUSHED STONE OR FLOWABLE FILL)
- CLASS II BASE COURSE**
(CRUSHED STONE OR RECYCLED P.C. CONCRETE)
- CONCRETE HEADWALL**
- BEDDING MATERIAL**
- PLASTIC EMBANKMENT**

NOTE:
THE CONTRACTOR SHALL PROVIDE SUITABLE PLASTIC MATERIAL FOR THE EMBANKMENT. THE CONTRACTOR SHALL PROVIDE SUITABLE PLASTIC MATERIAL FOR THE EMBANKMENT. THE CONTRACTOR SHALL PROVIDE SUITABLE PLASTIC MATERIAL FOR THE EMBANKMENT.

NO.	REVISIONS



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900 W. Gateway Approach
Metairie, LA 70047
985-721-4440
Fax: 985-721-4447

PERMIT SET
NOT FOR CONSTRUCTION
PROJECT: WASHOUT REPAIR
TYPICAL SECTIONS
ST. TAMMANY PARISH, LOUISIANA

W. 15th AVENUE CULVERT
WASHOUT REPAIR
TYPICAL SECTIONS
ST. TAMMANY PARISH, LOUISIANA

DATE: 6/20/16
SCALE: 1/4"=1'-0"
DESIGNED BY: JAW/STG
CHECKED BY: JAW/STG
CONCRETE SET: JAW/STG
DRAWING NO. 8