



## ST. TAMMANY PARISH

PATRICIA P. BRISTER  
PARISH PRESIDENT

**March 15, 2018**

Please find the following addendum to the below mentioned BID.

**Addendum No:** 2

**Bid No:** 416-21-17-70-2

**Project Name:** Riverwood Subdivision and Covington Country Club  
Estates Drainage Improvements – Phase 1

**Bid Due Date:** Tuesday, March 20, 2018

### **GENERAL INFORMATION:**

---

- 1. Please remove the Louisiana Uniform Public Work Bid Form and Unit Price Form from Specification Section 04, and replace with the Louisiana Uniform Public Work Bid Form - Revised and Unit Price Form-Revised (attached).**
- 2. Please add NS-ENH-19041 Sidewalk (Brick) to Section 10 – Special Provisions. (attached).**
- 3. Please add S-003 Sewer Service Line Relocations to Section 10 – Special Provisions (attached).**
- 4. Please add S-004 Water Service Line Relocations to Section 10 – Special Provisions (attached).**
- 5. Please remove Plan Sheet 2 and replace with Plan Sheet 2 - Revised (attached).**
- 6. Please remove Plan Sheet 3 and replace with Plan Sheet 3 - Revised (attached).**
- 7. Please remove Plan Sheet 9 and replace with Plan Sheet 9 - Revised (attached).**
- 8. Please add DOTD Concrete Collar Detail – COLLAR 01 to Section 13 – Standard Plans and Special Detail (attached).**

9. Please add the Drainage Servitude Drawing for the project outfall to Section 12 – Construction Drawings (attached).

10. Please see the Non-Mandatory Pre-Bid Meeting Sign-In Sheet (attached).

11. Disturbed landscaping areas shall be graded to drain and sodded.

## QUESTIONS & ANSWERS:

---

**Question #1:** Can the headwalls be pre-cast in lieu of poured in place?

**Answer #1:** The headwalls may be pre-cast, but they must conform to the dimensions, design, and material requirements of special detail HW90RCPA1 included in Section 13 – Standard Plans and Special Details.

**Question #2:** At Sta. 117+20 there is a large live oak tree. Can the tree be removed to install the drain line?

**Answer #2:** The Owner would prefer that this tree not be removed. Trimming of the limbs and roots of the live oak tree, if necessary to install the drain line and headwall, are to be performed under the supervision of a licensed landscape arborist. This item of work is the responsibility of the Contractor and payment will be made, at no direct pay, under added Item 201-01-00100 Clearing and Grubbing.

**Question #3:** There are several street signs that will need to be removed and replaced. Can an item be added to cover that cost?

**Answer #3:** Removing and remounting of street signs will be paid under added Item 729-21-00100 U-Channel Post.

**Question #4:** There are several spots where existing landscape will have to be removed. Are we to remove and replace the landscaping or do we remove and haul it off?

**Answer #4:** Removal and hauling of existing landscaping will be paid under added Item 201-01-00100 Clearing and Grubbing. Landscaping that must be removed to install the required items of work will not be replaced. Disturbed landscaping areas shall be graded to drain and sodded.

**Question #5:** There are several large trees that will need to be removed. Can an item and quantity be added for them?

**Answer #5:** Tree removal will be paid under added Item 201-01-00100 Clearing and Grubbing.

**Question #6:** There is a light pole in conflict at Sta. 109+00, how is this to be addressed?

**Answer #6:** The light pole will be relocated by the utility provider.

**Question #7:** At Sta. 111+05 there is a live oak tree that will require root running. Can an item and specification be added to require a licensed arborist to perform the root pruning?

**Answer #7:** Any required root pruning is to be performed under the supervision of a licensed landscape arborist. This item of work is the responsibility of the Contractor and payment will be made, at no direct pay, under added Item 201-01-00100 Clearing and Grubbing.

**Question #8:** At Sta. # 106+50 there is a brick walk; can an item be added to cover the replacement of this walk?

**Answer #8:** Removal and replacement of the brick walk will be paid for under added Item NS-ENH-19041 Sidewalk (Brick) as per Section 10 – Special Provisions (attached).

**Question #9:** There are at least two locations where a tree has been removed but the roots have been left in place. When the drain line is installed and the roots removed the curb and gutter and possibly the street will be damaged. Is there enough quantity under asphalt and curb and gutter items to cover the cost of this work? And can a clearing and grubbing cost can be added to cover stump removal.

**Answer #9:** Removal of any stumps and roots will be paid for under added Item 201-01-00100 Clearing and Grubbing. The pavement, curb and gutter quantities have been increased to accommodate these areas.

**Question #10:** There is a telecommunications conflict at Sta. 114+40, how is that to be addressed?

**Answer #10:** This conflict will be resolved by the telecommunications provider.

**Question #11:** In several locations, existing drain lines are shown to be tied-in to new drainage structures. How are these tie-ins to be made and paid for?

**Answer #11:** Items 701-15-00100 Concrete Collar and 701-05-01000 Side Drain Pipe (12" RCP) have been added to accommodate this work.

**Question #12:** How will sewer and water service line conflicts be handled?

**Answer #12:** Items of work have been added for water and sewer service line relocations.

- Question #13:** There is a wood board fence located at approximate Sta. 100+25 in the line of work. Is to be removed and replaced and under which pay item?
- Answer #13:** The fence is to be removed and payment will be made under added Item 202-02-12000 Removal of Fence. Replacement is not required.
- Question #14:** Can the entire lot at the upstream end of the project be used by the Contractor?
- Answer #14:** The lot is Parish owned and may be used for lay down purposes. Existing trees, not in the line of work, are to be protected. The staging area must be returned to pre-existing condition at no direct cost to the owner.
- Question #15:** Are there are not any special work restrictions outside of those required by St. Tammany Parish?
- Answer #15:** No, there is not any special work restrictions outside of those required by St. Tammany Parish.
- Question #16:** The pipe bedding detail on Plan Sheet 9 appears to be in conflict with other bedding details in the plans. Please clarify.
- Answer #16:** The pipe bedding detail on Plan Sheet 9 was intended for use on water line work. The name of this detail has been changed to WATER LINE BEDDING DETAIL on Plan Sheet 9 – Revised (attached).
- Question #17:** For a large portion of the project the drain line will be installed very close to the back of curb and edge of the road. How will pavement and curb damage during construction be handled?
- Answer #17:** All reasonable measures are to be employed by the Contractor to protect the roadway and curb during construction. Roadway and curb damage that is deemed unavoidable by the Engineer will be repaired and paid for under the respective bid items. The quantities for pavement removal/replacement and curb removal/replacement have been increased to accommodate unavoidable damage. Avoidable damage, also as determined by the Engineer, will be repaired by the Contractor at no cost to the Owner.
- Question #18:** Will the Contractor be allowed time extensions for delays due to change order?
- Answer #18:** Please refer to Section 8 – General Conditions, Paragraph 11 – Time of Completion.
- Question #19:** Is the Contractor required to monitor vibrations during pipe installation? If so, please provide limits.
- Answer #19:** The Contractor is not required to monitor vibrations during pipe installation.

**Question #20:** Locations of sewer house connections and water service connections are not provided and no measurement or payment for these items has been established in the specifications. Please clarify how the removal and replacement of house service connections will be addressed.

**Answer #20:** Please refer to the response to Question #12 above for clarification.

**Question #21:** Please confirm that the existing roadway curbing along Magnolia Lane is to remain and not be replaced.

**Answer #21:** Please refer to the response to Question #17 above for clarification.

**Question #22:** Are pre/post video inspections of the interior of properties required?

**Answer #22:** Pre and post video inspections of the interior of properties are not required.

**Question #23:** There are several existing drain lines that tie into new drain boxes. Could you please establish pay item and add detail how to tie in to existing drain pipe?

**Answer #23:** Please refer to the response for Question #11 above for clarification.

**Question #24:** Water and sewer services that have to be relocated, who pays for these items?

**Answer #24:** Please refer to the response to Question #12 above for clarification.

**Question #25:** There is several large trees and several smaller trees and mature shrubs to remove will we have to replace these trees and shrubs? In Pre-Bid it was stated that we did not have to replace any landscaping. However, Section 19.2 requires replacement at no pay, please clarify.

**Answer #25:** All trees, shrubs and landscaping that must be removed to install the work are to be removed. Replacement of removed landscaping is not required. Please refer to Plan Sheet 2 – Revised under General Note No. 16. Section 08 – Paragraph 19.02 of the bidding documents refers to trees, shrubs, plants and/or grass that are designated to remain.

**Question #26:** There are several large flower beds that will be removed. Will we have to replace in kind?

**Answer #26:** Please refer to the response to Question #25 above for clarification.

**Question #27:** There are a couple of street lights will these be relocated by others?

**Answer #27:** Please refer to the response to Question #6 above for clarification.

**Question #28:** There is a sewer main conflict Sheet 5 approximately station 107+50 it appears the sewer line will be affected how will this be resolved?

**Answer #28:** Based on the information we currently have, the sewer line at this location will not be in conflict with the work. If it proves to cause a conflict during construction, we will address it by change order.

**Question #29:** Another sewer conflict Sheet 6 at intersection of Magnolia Lane & Belle Terre Boulevard again how will this be resolved?

**Answer #29:** Please refer to the response to Question #28 above for clarification.

**Question #30:** The existing Asphalt and Concrete Streets are already damaged and not in good shape about half of the existing street will be damaged. Will the Asphalt Bid Item quantity be increased to allow for the Additional Remove & Replace?

**Answer #30:** Please refer to the response to Question #17 above for clarification.

**Question #31:** At the end of the new drain line on Sheet 7 requires a large headwall. Does the existing 48" tie into new headwall? There is an existing extensive wood and vinyl bulkhead and which will have to be removed to install new headwall. We need details and pay item for the removal and replacement of this bulkhead.

**Answer #31:** The existing 48" drain line does not tie-in to the new headwall. If during construction, the installation of the new headwall conflicts with the existing drain line, modifications to the route of the new drain line or modifications to the headwall will be made. The wood and vinyl bulkhead extends west from the existing drain line; therefore, no impacts to it are expected during construction.

**Question #32:** Sheet 21 on bedding details require a minimum 18” outside of pipe. Therefore all of the existing curb will have to be removed and replaced to accommodate this trench with. The trench width with these requirements and trench box will be approximately 11’ wide. Will the quantity of curb on bid sheet be increased to pay for all curb?

**Answer #32:** The quantity of curb removal and replacement has been increased to accommodate some curb damage and/or removal. The requirements to provide 18” minimum outside the pipe may be adjusted during construction to reduce the amount of necessary curb removal and replacement.

**Question #33:** Would a commercial Contractor’s license be sufficient to bid this job?

**Answer #33:** Please refer to Specifications Section 02 – Instructions to Bidders, Paragraph 13. It states that only a Contractor licensed by the State to do the type of work as indicated on the Notice to Bidders can submit a bid. The project classification listed on the Notice to Bidders is “Highway, Street and Bridge Construction” and/or “Municipal and Public Works Construction”.

**ATTACHMENTS:**

---

1. Louisiana Uniform Public Work Bid Form and Unit Price Form - Revised.pdf
2. NS-ENH-19041 Sidewalk (Brick).pdf
3. S-003 Sewer Service Line Relocations.pdf
4. S-004 Water Service Line Relocations.pdf
5. Plan Sheet 2 - Revised.pdf
6. Plan Sheet 3-Revised.pdf
7. Plan Sheet 9-Revised.pdf
8. DOTD Special Detail – COLLAR 01.pdf
9. Drainage Servitude Drawings.pdf
10. Non-Mandatory Pre-Bid Meeting Sign In Sheet.pdf

**End of Addendum #2**

**Section 04**  
**REVISED**  
**LOUISIANA UNIFORM PUBLIC WORK BID FORM**

**TO:** St. Tammany Parish Government  
21454 Koop Drive, Suite 2F  
Mandeville, LA 70471

*(Owner to provide name and address of owner)*

**BID FOR:** Riverwood Subdivision and Covington  
Country Club Estates Drainage Improvements -  
Phase 1  
Bid # 416-21-17-70-2

*(Owner to provide name of project and other identifying information)*

The undersigned bidder hereby declares and represents that she/he; a) has carefully examined and understands the Bidding Documents, b) has not received, relied on, or based his bid on any verbal instructions contrary to the Bidding Documents or any addenda, c) has personally inspected and is familiar with the project site, and hereby proposes to provide all labor, materials, tools, appliances and facilities as required to perform, in a workmanlike manner, all work and services for the construction and completion of the referenced project, all in strict accordance with the Bidding Documents prepared by: Pinnacle Engineering and dated: August 30, 2017

*(Owner to provide name of entity preparing bidding documents.)*

Bidders must acknowledge all addenda. The Bidder acknowledges receipt of the following **ADDENDA:**

(Enter the number the Designer has assigned to each of the addenda that the Bidder is acknowledging)

\_\_\_\_\_ .

**TOTAL BASE BID:** For all work required by the Bidding Documents (including any and all unit prices designated "Base Bid" \* but not alternates) the sum of:

\_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

**ALTERNATES:** For any and all work required by the Bidding Documents for Alternates including any and all unit prices designated as alternates in the unit price description.

**Alternate No. 1** *(Owner to provide description of alternate and state whether add or deduct)* for the lump sum of:

N/A \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

**Alternate No. 2** *(Owner to provide description of alternate and state whether add or deduct)* for the lump sum of:

N/A \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

**Alternate No. 3** *(Owner to provide description of alternate and state whether add or deduct)* for the lump sum of:

N/A \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

**NAME OF BIDDER:** \_\_\_\_\_

**ADDRESS OF BIDDER:** \_\_\_\_\_

**LOUISIANA CONTRACTOR'S LICENSE NUMBER:** \_\_\_\_\_

**NAME OF AUTHORIZED SIGNATORY OF BIDDER:** \_\_\_\_\_

**TITLE OF AUTHORIZED SIGNATORY OF BIDDER:** \_\_\_\_\_

**SIGNATURE OF AUTHORIZED SIGNATORY OF BIDDER \*\*:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

\* The Unit Price Form shall be used if the contract includes unit prices. Otherwise it is not required and need not be included with the form. The number of unit prices that may be included is not limited and additional sheets may be included if needed.

\*\* If someone other than a corporate officer signs for the Bidder/Contractor, a copy of a corporate resolution or other signature authorization shall be required for submission of bid. Failure to include a copy of the appropriate signature authorization, if required, may result in the rejection of the bid unless bidder has complied with La. R.S. 38:2212(B)5.

**BID SECURITY** in the form of a bid bond, certified check or cashier's check as prescribed by LA RS 38:2218.A is attached to and made a part of this bid.



**LOUISIANA UNIFORM PUBLIC WORK BID FORM  
UNIT PRICE FORM  
REVISED**

**TO:**

St. Tammany Parish Government  
21454 Koop Drive, Suite 2F

Mandeville, LA. 70471

(OWNER TO PROVIDE NAME AND ADDRESS OF OWNER)

**BID FOR:**

Riverwood Subdivision and Covington Country  
Club Estates Drainage Improvements - Phase 1

Bid # 416-21-17-70-2

(OWNER TO PROVIDE PROJECT NAME & OTHER IDENTIFYING INFO)

**UNIT PRICES: This form shall be used for any & all work required by the Bidding Documents & described as unit prices. Amounts shall be stated in figures & only in figures.**

REF NO.:	Description:	Description:		UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)
		<input checked="" type="checkbox"/> BASE BID	<input type="checkbox"/> ALT #			
201-01-00100				LUMP		
		Clearing and Grubbing				
		Removal of Concrete Catch Basins				
202-02-06060				EACH		
		Removal of Concrete Combination Curb and Gutter				
202-02-06080				LNFT		
		Removal of Concrete Drives				
202-02-06100				SQYD		

**Wording for "description" is to be provided by the Owner. All Quantities Estimated. The Contractor will be paid based upon actual quantities as verified by the Owner.**

**UNIT PRICES:** This form shall be used for any & all work required by the Bidding Documents & described as unit prices. Amounts shall be stated in figures & only in figures.

Description:		<input checked="" type="checkbox"/> BASE BID	OR	<input type="checkbox"/> ALT #	Removal of Fence	
REF NO.:		QUANTITY		UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)
202-02-12000		100		LNFT		
Description:		<input checked="" type="checkbox"/> BASE BID	OR	<input type="checkbox"/> ALT #	Removal of Portland Cement Concrete Pavement	
REF NO.:		QUANTITY		UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)
202-02-32500		70		SQYD		
Description:		<input checked="" type="checkbox"/> BASE BID	OR	<input type="checkbox"/> ALT #	General Excavation	
REF NO.:		QUANTITY		UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)
203-01-00100		300		CUYD		
Description:		<input checked="" type="checkbox"/> BASE BID	OR	<input type="checkbox"/> ALT #	Drainage Excavation	
REF NO.:		QUANTITY		UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)
203-02-00100		200		CUYD		
Description:		<input checked="" type="checkbox"/> BASE BID	OR	<input type="checkbox"/> ALT #	Embankment	
REF NO.:		QUANTITY		UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)
203-03-00100		350		CUYD		
Description:		<input checked="" type="checkbox"/> BASE BID	OR	<input type="checkbox"/> ALT #	Temporary Silt Fencing	
REF NO.:		QUANTITY		UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)
204-06-00100		3,395		LNFT		

**Wording for "description" is to be provided by the Owner. All Quantities Estimated. The Contractor will be paid based upon actual quantities as verified by the Owner.**

**UNIT PRICES:** This form shall be used for any & all work required by the Bidding Documents & described as unit prices. Amounts shall be stated in figures & only in figures.

Description:		<input checked="" type="checkbox"/> BASE BID	OR	<input type="checkbox"/> ALT #	Removal of Asphaltic Concrete Paving	
REF NO.:		QUANTITY		UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)
206-02-02020		390		SQYD		
Description:		<input checked="" type="checkbox"/> BASE BID	OR	<input type="checkbox"/> ALT #	Class II Base Course (8 1/2" Thick) (Stone)	
REF NO.:		QUANTITY		UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)
302-02-04100		521		SQYD		
Description:		<input checked="" type="checkbox"/> BASE BID	OR	<input type="checkbox"/> ALT #	Superpave Asphaltic Concrete	
REF NO.:		QUANTITY		UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)
502-01-00100		75		TONS		
Description:		<input checked="" type="checkbox"/> BASE BID	OR	<input type="checkbox"/> ALT #	Portland Cement Concrete Pavement (8" Thick)	
REF NO.:		QUANTITY		UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)
601-01-00100		70		SQYD		
Description:		<input checked="" type="checkbox"/> BASE BID	OR	<input type="checkbox"/> ALT #	Storm Drain Pipe (18" RCP)	
REF NO.:		QUANTITY		UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)
701-03-01020		21		LNFT		
Description:		<input checked="" type="checkbox"/> BASE BID	OR	<input checked="" type="checkbox"/> ALT #	Storm Drain Pipe Arch (42" Equivalent RCPA)	
REF NO.:		QUANTITY		UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)
701-04-01100		409		LNFT		

**Wording for "description" is to be provided by the Owner. All Quantities Estimated. The Contractor will be paid based upon actual quantities as verified by the Owner.**

**UNIT PRICES:** This form shall be used for any & all work required by the Bidding Documents & described as unit prices. Amounts shall be stated in figures & only in figures.

Description:		<input checked="" type="checkbox"/> BASE BID	OR	<input type="checkbox"/> ALT #	Storm Drain Pipe Arch (54" Equivalent RCPA)	
REF NO.:		QUANTITY		UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)
701-04-01140		1,156		LNFT		
Description:		<input checked="" type="checkbox"/> BASE BID	OR	<input type="checkbox"/> ALT #	Side Drain Pipe (12" RCP)	
701-05-01000		16		LNFT		
Description:		<input checked="" type="checkbox"/> BASE BID	OR	<input type="checkbox"/> ALT #	Concrete Collar	
701-15-00100		4		EACH		
Description:		<input checked="" type="checkbox"/> BASE BID	OR	<input type="checkbox"/> ALT #	Manhole MH-06	
702-02-00200		1		EACH		
Description:		<input checked="" type="checkbox"/> BASE BID	OR	<input type="checkbox"/> ALT #	Catch Basin CB-02	
702-03-00200		2		EACH		
Description:		<input checked="" type="checkbox"/> BASE BID	OR	<input type="checkbox"/> ALT #	Catch Basin CB-07	
702-03-00600		9		EACH		

**Wording for "description" is to be provided by the Owner. All Quantities Estimated. The Contractor will be paid based upon actual quantities as verified by the Owner.**

**UNIT PRICES:** This form shall be used for any & all work required by the Bidding Documents & described as unit prices. Amounts shall be stated in figures & only in figures.

Description:		<input checked="" type="checkbox"/> BASE BID	OR	<input type="checkbox"/> ALT #	Catch Basin CB-08	
REF NO.:	QUANTITY	OR	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)	
702-03-00700	3		EACH			
Description:		<input checked="" type="checkbox"/> BASE BID	OR	<input type="checkbox"/> ALT #	Concrete Drive (6" Thick)	
706-02-00200	240		SQYD			
Description:		<input checked="" type="checkbox"/> BASE BID	OR	<input type="checkbox"/> ALT #	Combination Concrete Curb and Gutter	
707-03-00100	1,039		LNFT			
Description:		<input checked="" type="checkbox"/> BASE BID	OR	<input type="checkbox"/> ALT #	Slab Sodding (St. Augustine)	
714-01-00600	3,445		SQYD			
Description:		<input checked="" type="checkbox"/> BASE BID	OR	<input type="checkbox"/> ALT #	Bedding Material	
726-01-00100	1,106		CUYD			
Description:		<input checked="" type="checkbox"/> BASE BID	OR	<input type="checkbox"/> ALT #	Mobilization	
727-01-00100	1		LUMP			

**Wording for "description" is to be provided by the Owner. All Quantities Estimated. The Contractor will be paid based upon actual quantities as verified by the Owner.**

**UNIT PRICES:** This form shall be used for any & all work required by the Bidding Documents & described as unit prices. Amounts shall be stated in figures & only in figures.

Description:		<input checked="" type="checkbox"/> BASE BID	OR	<input type="checkbox"/> ALT #	U-Channel Post	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)
REF NO.:	QUANTITY	UNIT OF MEASURE					
729-21-00100	10	EACH					
Description:		<input checked="" type="checkbox"/> BASE BID	OR	<input type="checkbox"/> ALT #	Mailboxes	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)
735-01-00100	8	EACH					
Description:		<input checked="" type="checkbox"/> BASE BID	OR	<input type="checkbox"/> ALT #	Mailbox Supports	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)
735-02-00100	8	EACH					
Description:		<input checked="" type="checkbox"/> BASE BID	OR	<input type="checkbox"/> ALT #	Construction Layout	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)
740-01-00100	1	LUMP					
Description:		<input checked="" type="checkbox"/> BASE BID	OR	<input type="checkbox"/> ALT #	Class A Concrete (Headwall)	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)
805-01-00600	15.21	CUYD					
Description:		<input checked="" type="checkbox"/> BASE BID	OR	<input type="checkbox"/> ALT #	Deformed Reinforcing Steel (Headwall)	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)
806-01-00100	824	LBS					

**Wording for "description" is to be provided by the Owner. All Quantities Estimated. The Contractor will be paid based upon actual quantities as verified by the Owner.**

**UNIT PRICES:** This form shall be used for any & all work required by the Bidding Documents & described as unit prices. Amounts shall be stated in figures & only in figures.

Description:		<input checked="" type="checkbox"/> BASE BID	OR	<input type="checkbox"/> ALT #	Sidewalk (Brick)	
REF NO.:	QUANTITY	OR	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)	
NS-ENH-19041	8		SQYD			
Relocation of Waterlines						
REF NO.:	QUANTITY	OR	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)	
S-001	201		LNFT			
Re-establishment of Disturbed Property Corners						
REF NO.:	QUANTITY	OR	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)	
S-002	1		LUMP			
Sewer Service Line Relocations						
REF NO.:	QUANTITY	OR	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)	
S-003	10		EACH			
Water Service Line Relocations						
REF NO.:	QUANTITY	OR	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)	
S-004	10		EACH			
Water Service Line Relocations						
REF NO.:	QUANTITY	OR	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times unit price)	

**Wording for "description" is to be provided by the Owner. All Quantities Estimated. The Contractor will be paid based upon actual quantities as verified by the Owner.**

**STATE PROJECT H.011458  
SPECIAL PROVISIONS**

NS-ENH-19041 SIDEWALK (BRICK)

**DESCRIPTION OF WORK:** This work consists of furnishing all materials, tools, labor, and incidentals necessary to remove and replace brick sidewalk in accordance with these specifications and in conformity with the lines and dimensions shown on the plans.

**MATERIALS:**

Replacement brick shall match existing brick as closely as possible. A brick sample shall be submitted to the engineer for approval prior to placement of any brick pavers.

The aggregate subbase under the mortar base is to be Class II Base Course (Stone).

The mortar base is to be composed of Portland Cement Concrete (Class M).

**CONSTRUCTION REQUIREMENTS:**

1. Existing brick and mortar sidewalk that falls within the limits of new work are to be removed only to the extent necessary to install the required improvements. The existing brick are not to be re-used.
2. The new bricks shall be installed on 8" of compacted stone and 5" of Portland Cement Concrete.
3. The finished pattern is to match as closely as possible to the existing walk.
4. All joints are to be mortared, being careful not to get mortar on exposed faces of brick.

**MEASUREMENT:** Measurement shall be made per square yard for work specified in this specification and at locations requiring such.

**PAYMENT:** Payment for brick sidewalks will be made at the contract unit price per square yard.

Payment will be made under:

Item NS-ENH-19041, Sidewalk (Brick), per square yard.



**STATE PROJECT H.011458  
SPECIAL PROVISIONS**

**S-003 SEWER SERVICE LINE RELOCATIONS**

**DESCRIPTION OF WORK:** This work consists of furnishing all materials, tools, labor, and incidentals necessary to relocate the sewer service lines in accordance with these specifications and in conformity with the lines and dimensions shown on the plans.

**MATERIALS:** Materials shall conform to the requirements shown on the plans.

**CONSTRUCTION REQUIREMENTS:**

1. All fittings, bends, adapters, etc. necessary to complete the service line relocation will be paid for under the per each bid price for sewer service line relocations. No separate payment will be made for these items.
2. The per each bid price is also to include pipe bedding and backfill, excavation , trenching, dewatering, shoring, bracing, etc. necessary to complete the work.
3. Relocations will be measured for payment after installation.

**MEASUREMENT:** Measurement shall be made per each for work specified in this specification and at locations requiring such.

**PAYMENT:** Payment for relocation of sewer service lines will be made at the contract unit price per each.

Payment will be made under:

Item S-003, Sewer Service Line Relocations, per each.

**STATE PROJECT H.011458  
SPECIAL PROVISIONS**

**S-004 WATER SERVICE LINE RELOCATIONS**

**DESCRIPTION OF WORK:** This work consists of furnishing all materials, tools, labor, and incidentals necessary to relocate the water service lines in accordance with these specifications and in conformity with the lines and dimensions shown on the plans.

**MATERIALS:** Materials shall conform to the requirements shown on the plans.

**CONSTRUCTION REQUIREMENTS:**

1. All fittings, bends, adapters, etc. necessary to complete the service line relocation will be paid for under the per each bid price for water service line relocations. No separate payment will be made for these items.
2. The per each bid price is also to include pipe bedding and backfill, excavation , trenching, dewatering, shoring, bracing, etc. necessary to complete the work.
3. Relocations will be measured for payment after installation.

**MEASUREMENT:** Measurement shall be made per each for work specified in this specification and at locations requiring such.

**PAYMENT:** Payment for relocation of water service lines will be made at the contract unit price per each.

Payment will be made under:

Item S-004, Water Service Line Relocations, per each.

SHEET NUMBER	2	ST. TAMMANY	PARISH	D.N.H. CHECKED	D.N.H. CHECKED
		FEDERAL PROJECT	T.M.S. PROJECT	D.N.H. T.M.S.	D.N.H. T.M.S.
H.011458		STATE	28.AUG.17	DATE	REVISION DESCRIPTION

NO.	DATE	BY
1	02/27/18	DNH
ADDED NOTES		



GENERAL NOTES  
**RIVERWOOD SUBDIVISION AND CONINGTON COUNTRY CLUB ESTATES DRAINAGE IMPROVEMENTS - PHASE 1**

DESIGN CONSULTANT  
  
**PINNACLE ENGINEERING L.L.C.**  
 CONSULTING ENGINEERS  
 216 N. COLUMBIA ST., SUITE C  
 MONROE, LA 70134  
 PHONE: (504) 836-0075  
 FAX: (504) 836-0244

**DRAINAGE NOTES:**

- PVC PIPE SHALL BE A-2000 AS MANUFACTURED BY CONTECH OR APPROVED EQUAL UNLESS OTHERWISE INDICATED. WHERE INDICATED, PVC PIPE SHALL BE SOLID WALL PIPE AND SHALL MEET THE REQUIREMENTS OF ASTM F-679 WITH A MAXIMUM SDR OF 35.
- CORRUGATED METAL PIPE (CMP) SHALL BE POLYMER COATED (ASTM A742/AASHTO M246), CORRUGATED GALVANIZED STEEL PIPE, MINIMUM GAGE THICKNESS:
 

SIZE	MIN. GAGE
12"-21"	16
24"-30"	14
36"-54"	12
- REINFORCED CONCRETE PIPE (RCP) SHALL COMPLY WITH ASTM C76, CLASS III, JOINTS WALL "B" THICKNESS. JOINTS TO BE TYPE 3 IN ACCORDANCE WITH LADOTD SEC. 1006.05.
- REINFORCED CONCRETE ARCH PIPE (RCRA) SHALL COMPLY WITH ASTM C-506, CLASS III. JOINTS TO BE TYPE 3 IN ACCORDANCE WITH LADOTD SPECIFICATION 1006.05
- ALL CONCRETE PIPE SHALL BE WRAPPED WITH A .36" WIDE FILTER CLOTH (D.O.I.D. SPEC. 1019) CENTERED ON THE JOINT AND LAPPED 24".
- ALL DRAIN LINES SHALL HAVE 2'-0" MINIMUM COVER.
- ALL RP-RAP SHALL BE INSTALLED ON TOP OF DOTD CLASS "D" GEOTEXTILE FABRIC.
- TIE-INS OF EXISTING DRAIN LINES AT NEW BASINS ARE TO BE MADE BY PROVIDING A PIPE EXTENSION SECURED TO THE EXISTING DRAIN LINE BY A CONCRETE COLLAR.

**EROSION CONTROL NOTES:**

- SEDMENT AND EROSION CONTROL FACILITIES AND STORM DRAINAGE FACILITIES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.
- CONTRACTOR SHALL INSTALL SILT FENCING AROUND THE PERIMETER OF THE PROJECT AREA.
- CONTRACTOR SHALL MAINTAIN EROSION CONTROL FACILITIES DURING THE ENTIRE CONSTRUCTION PERIOD. EROSION CONTROL FACILITIES ARE NOT TO BE REMOVED UNTIL COMPLETION OF THE PROJECT.
- ADDITIONAL DEVICES MAY BE REQUIRED AS DEEMED NECESSARY BY GOVERNING AUTHORITIES.
- SILT FENCES SHALL BE CLEANED OR REPLACED WHEN SILT BUILDS UP TO HALF OF THE FENCE HEIGHT.
- EROSION CONTROL MEASURES ARE TO BE INSPECTED WEEKLY AND AFTER EACH RAINFALL AND REPAIRED AS NECESSARY AT NO ADDITIONAL EXPENSE TO THE OWNER.
- CONTRACTOR SHALL PLACE FILTER FABRIC BETWEEN GRATE AND FRAME OF DRAINAGE BASINS DURING CONSTRUCTION.

**BASE AND SUBBASE PREPARATION NOTES:**

- PRIOR TO PLACING BASE MATERIAL, CONTRACTOR SHALL PROOF ROLL SUBGRADE WITH A FULLY LOADED DUMP TRUCK IN THE PRESENCE OF THE ENGINEER. AREAS OF UNSUITABLE SUBGRADE SHALL BE EXCAVATED TO THE SATISFACTION OF THE ENGINEER AND FILLED WITH STRUCTURAL FILL.
- STRUCTURAL FILL MATERIAL SHALL BE LOCALLY AVAILABLE SAND OR CLAYEY SAND WITH LESS THAN 35% FINES PASSING THE NO. 200 SIEVE, A LIQUID LIMIT OF 40 OR LESS, AND A PLASTICITY INDEX OF 10 OR LESS.
- CONTRACTOR SHALL COMPACT PAVING AREA TO 97% OF THE STANDARD PROCTOR (ASTM D-698). CONTRACTOR SHALL COORDINATE ALL REQUIRED TESTING ON THE PROJECT. TEST RESULTS WILL BE SUBMITTED TO THE ENGINEER PRIOR TO PAYMENT OF MONTHLY APPLICATIONS. ONE DENSITY TEST SHALL BE TAKEN FOR EACH 3000 SQUARE FEET (OR PORTION THERE OF) OF BASE MATERIAL. DENSITY TESTS SHALL BE TAKEN AT RANDOM.

**CONCRETE PAVING NOTES:**

- CONCRETE SHALL OBTAIN A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI IN 28 DAYS, WITH A MAXIMUM SLUMP OF 5 INCHES. CONCRETE SHALL CONTAIN 5% ± 1% ENTRAINED AIR AND SHALL CONSIST OF A MINIMUM OF 5-3/4 SACKS OF CEMENT PER CUBIC YARD. THE CONCRETE SHALL CONTAIN 3/4" SYNTHETIC FIBERS AS SPECIFIED BY ASTM 1116, TYPE III AND SHALL BE APPLIED AT A RATE OF 1 POUND PER CUBIC YARD. FLY ASH SHALL BE NO MORE THAN 15% OF TOTAL CEMENTITIOUS MATERIAL. BLAST FURNACE SLAG NOT ALLOWED.
- PAVEMENT SHALL NOT BE OPENED TO TRAFFIC UNTIL 21 DAYS AFTER PLACEMENT WITHOUT WRITTEN APPROVAL OF THE ENGINEER. A SUPER PLASTICIZER TO PRODUCE EARLY STRENGTH MAY BE USED BY CONTRACTOR AT NO EXTRA COST TO OWNER, UPON APPROVAL BY ENGINEER.
- CONCRETE SHALL HAVE A BROOM FINISH AS DEFINED IN THE LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT SPECIFICATIONS FOR ROADS AND BRIDGES, 2000 EDITION.
- JOINT SEALANT SHALL BE SONOMERIC (ONE-PART BITUMEN-MODIFIED, POLYURETHANE SEALANT, COLD POUR) OR APPROVED EQUAL.
- JOINTS SHALL BE SEALED WITHIN 7 DAYS AFTER PLACEMENT OF ANY CONCRETE PAVING.
- FOUR (4) CYLINDERS SHALL BE MADE FOR EACH FIFTY (50) CUBIC YARDS OR PORTION THERE OF CONCRETE PLACED. ONE (1) CYLINDER SHALL BE BROKEN AT SEVEN (7) DAYS, AND TWO (2) SHALL BE BROKEN AT TWENTY-EIGHT (28) DAYS. ONE CYLINDER SHALL BE KEPT IN RESERVE.
- CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER A MINIMUM OF THREE DAYS PRIOR TO BEGINNING WORK.
- ALL CONCRETE PAVING SHALL BE PLACED BY TAILGATE METHOD.

**GENERAL NOTES:**

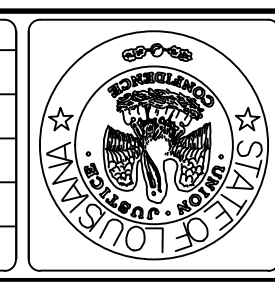
- THESE PLANS DO NOT NECESSARILY SHOW ALL THE EXISTING UTILITIES. THE CONTRACTOR SHALL CONTACT LA-ONE CALL, PHONE 1-800-252-0202 TO OBTAIN LOCATION AND DEPTH INFORMATION OF ALL EXISTING UTILITIES PRIOR TO BEGINNING ANY CONSTRUCTION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL OBJECTS, PIPES, CONDUITS, ETC. EXISTING ALONG THE LINE OF HIS WORK. HE SHALL BE RESPONSIBLE FOR DAMAGE TO THESE LINES RESULTING FROM HIS ACTIVITIES, AND SHALL BEAR THE FULL EXPENSE OF THEIR REPAIR WITH NO DIRECT REIMBURSEMENT FOR THE SAME FROM THE OWNER.
- WHEN ANY PIPE OR OTHER OBSTRUCTION IS UNEXPECTEDLY ENCOUNTERED THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF LOCALITY AND CIRCUMSTANCES.
- THE CONTRACTOR SHALL CONFINE HIS EXCAVATION TO THE LEAST THAT WILL ALLOW INSTALLATION OF THE DRAIN LINES, UTILITY LINES, AND RELATED STRUCTURES.
- SUBSTITUTION OF ANY MATERIAL SHOWN ON THE PLANS CANNOT BE MADE BY THE CONTRACTOR UNLESS APPROVED BY THE PROJECT ENGINEER.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EXISTING DRAINAGE AND MAINTAINING SITE DRAINAGE DURING HIS CONSTRUCTION ACTIVITIES.
- CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION LAYOUT BASED ON OWNER PROVIDED BOUNDARY LAYOUT AND INFORMATION.
- CONTRACTOR SHALL SELECT AND PAY FOR ALL TESTING.
- ALL UNPAVED DISTURBED AREAS SHALL BE SODDED, UNLESS OTHERWISE NOTED.
- ALL ELEVATIONS ARE IN FEET - NAVD88
- REMOVAL OF EXISTING CONCRETE SHALL BE TO EXISTING JOINTS UNLESS OTHERWISE INDICATED.
- ALL PROPERTY CORNERS DISTURBED OR REMOVED DURING CONSTRUCTION ARE TO BE RE-ESTABLISHED BY A PROFESSIONAL LAND SURVEYOR LICENSED TO PRACTICE IN LOUISIANA.
- STREET SIGNS THAT MUST BE REMOVED DURING CONSTRUCTION ARE TO BE RE-INSTALLED. A BID ITEM FOR NEW U CHANNEL POSTS IS INCLUDED. THE COST TO REINSTALL THE SIGN IS TO BE INCLUDED IN THIS BID ITEM.
- MAIL BOXES THAT MUST BE REMOVED DURING CONSTRUCTION ARE TO BE REPLACED. IF THE MAILBOX IS IN ACCEPTABLE SHAPE IT CAN BE REUSED. A BID ITEM FOR NEW MAILBOXES AND MAILBOX SUPPORTS IS INCLUDED HEREIN.
- ANY NECESSARY LIMB AND ROOT TRIMMING OR PRUNING IS TO BE DONE UNDER THE SUPERVISION OF A LICENSED LANDSCAPE ARCHITECT. THIS IS THE RESPONSIBILITY OF THE CONTRACTOR AND PAYMENT WILL BE MADE UNDER THE CLEARING AND GRUBBING BID ITEM.
- REMOVAL OF LANDSCAPING ALONG THE LINE OF WORK WILL BE REQUIRED. LANDSCAPING IS ONLY TO BE REMOVED TO THE EXTENT NECESSARY TO INSTALL THE REQUIRED WORK. REPLACEMENT OF REMOVED LANDSCAPING IS NOT REQUIRED. REMOVAL WILL BE PAID UNDER THE CLEARING AND GRUBBING BID ITEM.
- ALL REASONABLE MEASURES ARE TO BE EMPLOYED BY THE CONTRACTOR TO PROTECT THE ROADWAY AND CURB DURING CONSTRUCTION. ROADWAY AND CURB DAMAGE THAT IS DEEMED UNAVOIDABLE BY THE ENGINEER WILL BE REPAIRED AND PAID FOR UNDER THE RESPECTIVE BID ITEMS. AVOIDABLE DAMAGE WILL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.

**LEGEND**

	BUILDING		NEW CATCH BASIN CB-02
	EXISTING RIGHT OF WAY		NEW CATCH BASIN CB-07
	SERVITUDE		NEW CATCH BASIN CB-08
	CATCH BASIN		CONCRETE
	CULVERT		ASPHALT
	DROP INLET, DRAIN LINE		
	DROP INLET, DRAIN LINE		
	COMMUNICATIONS MANHOLE, LINE		
	DRAIN MANHOLE, DRAIN LINE		
	ELECTRICAL MANHOLE, ELEC. LINE		
	GAS MANHOLE, GAS LINE		
	SEWER MANHOLE, SEWER LINE		
	TELEPHONE MANHOLE, TELE LINE		
	TRAFFIC MANHOLE, TRAFFIC LINE		
	WATER MANHOLE, WATER LINE		
	UTILITY POLE / OVERHEAD LINES		
	ELECTRIC, TELEPHONE, CABLE TV		
	FIBER OPTIC RISER / LINE		
	FENCE		
	TELCO RISER / PEDESTAL		
	UTILITY CLEANDIRT		
	UTILITY METER		
	UTILITY PEDESTAL		
	UTILITY VALVE		
	UTILITY VALVE VAULT		
	FIRE HYDRANT		
	LIGHT STANDARD		
	TRAFFIC SIGNAL POLE		
	TRAFFIC LIGHT POWER VAULT		
	CANDY SUPPORT		
	BOLLARD		
	SIGN		
	TREE		
	RESIDENTIAL MAILBOX		
	PP DEADMAN		
	IRON ROD/PIPE FOUND		
	IRON ROD SET		



SHEET NUMBER <b>9</b>	ST. TAMMANY	DESIGNED D.N.H.	PROJECT H.011458
		PARISH	STATE
ADDED NOTES AND REVISED DETAIL	REVISION DESCRIPTION	DATE	NO.
DMH			
02/27/18			
28.AUG.17			
D.N.H.			
D.M.S.			
FEDERAL			
PROJECT			



WATER LINE DETAILS  
 RIVERWOOD SUBDIVISION AND  
 DRAINAGE IMPROVEMENTS - PHASE 1  
 COVINGTON COUNTRY CLUB ESTATES 1

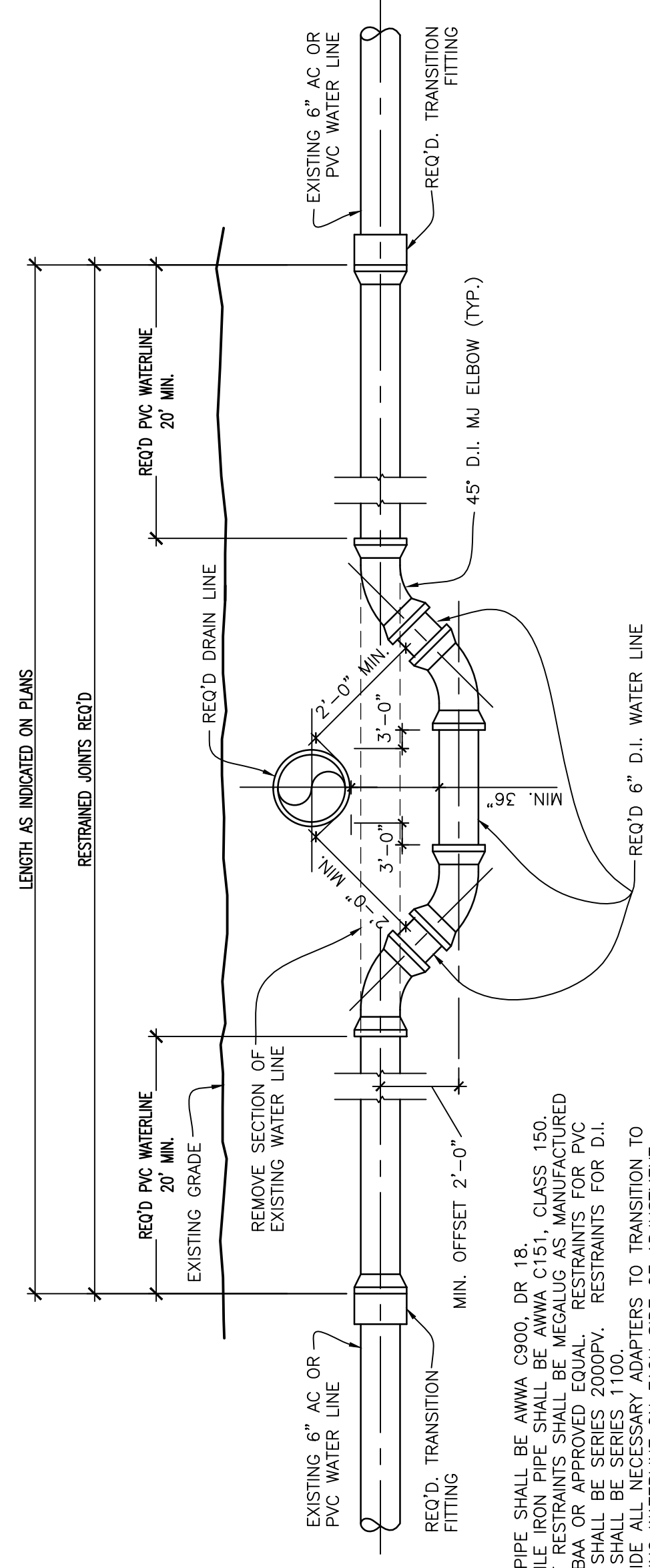
DESIGN  
 CONSULTANT

**WATER NOTES:**

- ALL WATER LINE WORK IS TO BE PERFORMED UNDER THE DIRECT SUPERVISION OF WATER DISTRICT NO. 3. WORK IS TO BE SCHEDULED IN ACCORDANCE WITH THEIR POLICIES.
- POLYVINYL CHLORIDE PIPE (PVC) SIZES SMALLER THAN 4" SHALL MEET THE REQUIREMENTS OF ASTM D-2411, SDR-26 WITH "FLUID TITE" COUPLINGS CONFORMING TO ASTM D-1784. RUBBER GASKETS SHALL BE ASTM D-1869.
- POLYVINYL CHLORIDE PIPE (PVC) SIZES 4" TO 12" SHALL MEET THE REQUIREMENTS OF AWMA C900, DR-18 WITH BELL END AND ASTM F447 ELASTOMERIC SEAL GASKET AND PLAIN END FOR PVC ELASTOMERIC GASKET FITTINGS.
- FITTINGS SHALL BE MANUFACTURED BY AND/OR RECOMMENDED FOR USE ON THE PIPE BY THE PIPE MANUFACTURER. WEGALUGS ARE REQUIRED FOR FASTENING. FITTINGS ARE TO BE FULL SIZE. COMPACT FITTINGS ARE NOT ALLOWED.
- JOINT RESTRAINT IS REQUIRED AT ALL JOINTS AND CHANGES IN DIRECTION.
- THRUST BLOCKS ARE REQUIRED AT ALL BENDS 45 DEGREES OR LARGER.
- HOPE PIPE SHALL BE DR-11 D.I.P.S. PRESSURE PIPE.
- NEWLY CONSTRUCTED WATER LINES SHALL PASS A HYDROSTATIC PRESSURE TEST OF 150 PSI FOR FOUR (4) HOURS AND LEAKAGE SHALL NOT EXCEED TO GALLONS/DAY/MILES/INCH DIAMETER OF PIPE. THE CONTRACTOR SHALL PROVIDE THE EQUIPMENT NECESSARY FOR THE PRESSURE TEST. TEST SHALL BE REVIEWED BY INDEPENDENT TESTING LAB.
- ALL WATER LINES SHALL BE FLUSHED AND DISINFECTED IN ACCORDANCE WITH LAC51:XL1.353.A.
- TRACER TAPE WITH WIRE MUST BE INSTALLED WITH NEW WATER LINES. IDENTIFICATION TAPE OR TRACER WIRES TO BE USED UNDER GROUND.
- THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF ALL TESTING ASSOCIATED WITH VERIFYING THAT CONSTRUCTION IS IN COMPLIANCE WITH PLANS AND SPECIFICATIONS.

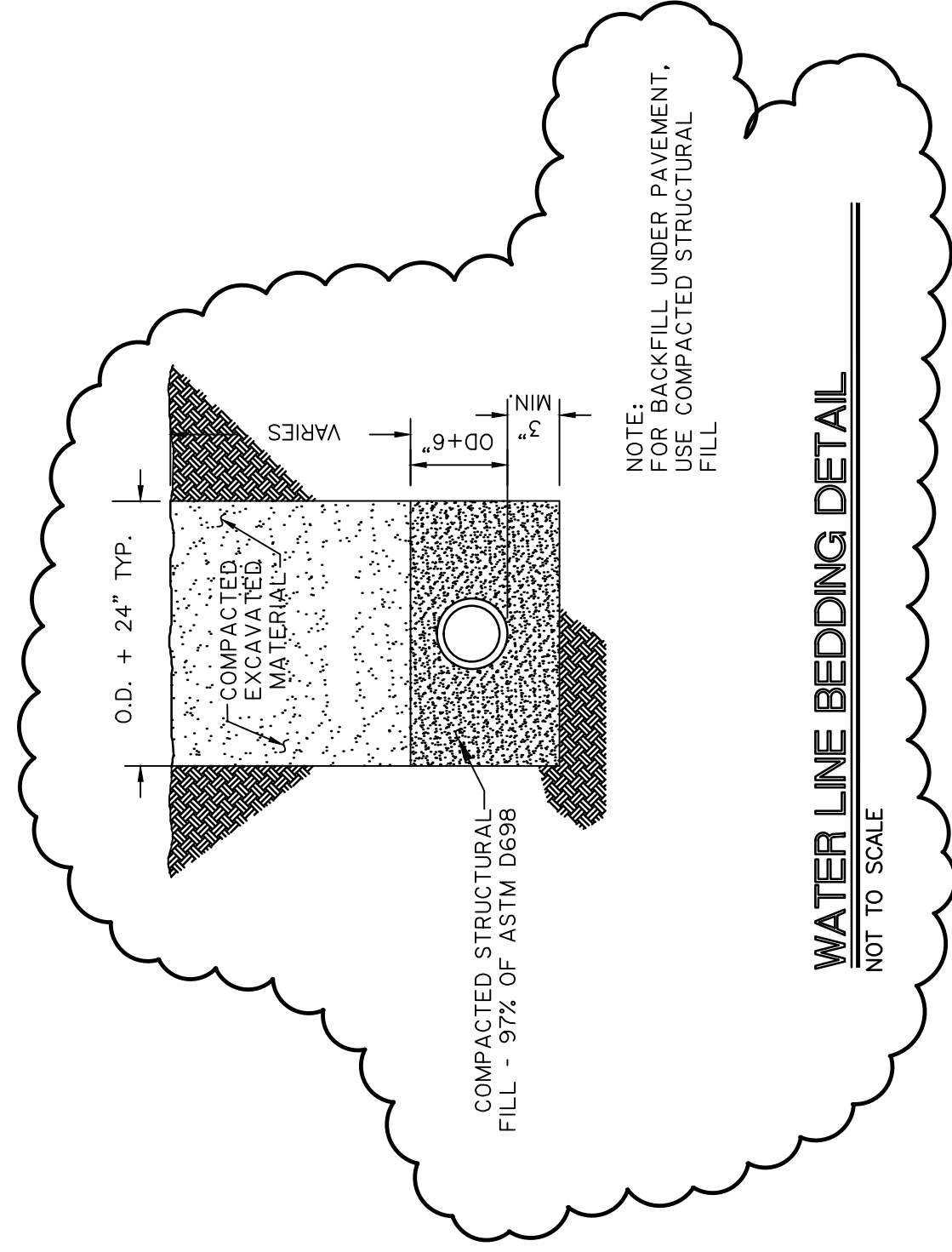
**SERVICE LINE RELOCATION NOTES:**

- WATER AND SEWER SERVICE LINE RELOCATIONS WILL BE PAID FOR BY EACH RELOCATION.
- WATER SERVICE CONNECTION PIPING IS TO BE POLYETHYLENE TUBING PE3408 DR9 WITH A MINIMUM COVER OF 2 FEET. ALL NECESSARY FITTINGS TO COMPLETE THE SERVICE LINE RELOCATION ARE TO BE INCLUDED IN THE PER EACH BID ITEM.
- SEWER SERVICE CONNECTION PIPING IS TO BE PVC GASKET JOINT CONFORMING TO ASTM D3034 SDR 35. RUBBER GASKETS SHALL BE ASTM F477. SEWER SERVICE CONNECTION PIPING IS TO HAVE A MINIMUM COVER OF 3 FEET. ALL NECESSARY FITTINGS AND ADAPTERS NECESSARY TO COMPLETE THE SERVICE LINE RELOCATION ARE TO BE INCLUDED IN THE PER EACH BID ITEM.



**WATER LINE ADJUSTMENT DETAIL**  
 NOT TO SCALE

- NOTES:
- PVC PIPE SHALL BE AWMA C900, DR 18.
  - DUCTILE IRON PIPE SHALL BE AWMA C151, CLASS 150.
  - WELLS SHALL BE MANUFACTURED BY FEMA OR APPROVED EQUAL RESTRAINTS FOR PVC PIPE SHALL BE SERIES 2000PV. RESTRAINTS FOR D.I. PIPE SHALL BE SERIES 1100.
  - PROVIDE ALL NECESSARY ADAPTERS TO TRANSITION TO EXISTING WATERLINE ON EACH SIDE OF ADJUSTMENT.
  - TRANSITION FITTINGS FOR AC TO PVC WATER LINES ARE TO BE MANUFACTURED BY ROMAC INDUSTRIES, INC.



**WATER LINE BEDDING DETAIL**  
 NOT TO SCALE

NOTE:  
 FOR BACKFILL UNDER PAVEMENT,  
 USE COMPACTED STRUCTURAL  
 FILL



PINNACLE ENGINEERING L.L.C.  
 CONSULTING ENGINEERS  
 114 S. CALAIBAMA, SUITE C  
 COVINGTON, LA 70421  
 PHONE: 985.895.8075  
 FAX: 985.895.8082







ST. TAMMANY PARISH

PATRICIA P. BRISTER
PARISH PRESIDENT

Riverwood Subdivision and Covington Country Club Estates Drainage Improvements - Phase 1

2013EN0009

February 22, 2018

2:00 P.M.

Design Pre-Bid Construction
Plan-In-Hand Preconstruction Closeout

Other:

X Non-Mandatory Mandatory

Table with 3 columns: NAME, COMPANY, PHONE NUMBER / E-MAIL. Contains handwritten entries for various contractors like Daniel Horgan, Jason Cambre, Bill Sellig, Bobby Rooney, Ray Lackwood, John M. Werner, Robert Foster, Marcus Canal, Brian Dunn, Neal Lavin, and Bill Magee.





ST. TAMMANY PARISH

PATRICIA P. BRISTER
PARISH PRESIDENT

Riverwood Subdivision and Covington Country Club Estates Drainage Improvements – Phase 1

2013EN0009

February 22, 2018

2:00 P.M.

:Design X :Pre-Bid :Construction
:Plan-In-Hand :Preconstruction :Closeout
Other:

X :Non-Mandatory :Mandatory

Table with 3 columns: NAME, COMPANY, PHONE NUMBER / E-MAIL. Includes entries for TRIP SHARP, Paul Mattingly, BRYAN MONTE, Amanda Warner, Floyd Lachney, BART PEAK, and EVAN T. CONRAVEY.



## ST. TAMMANY PARISH

PATRICIA P. BRISTER  
PARISH PRESIDENT

**March 5, 2018**

Please find the following addendum to the below mentioned BID.

**Addendum No:** 1

**Bid No:** 416-21-17-70-2

**Project Name:** Riverwood Subdivision and Covington Country Club  
Estates Drainage Improvements – Phase 1

**Bid Due Date:** Tuesday, March 20, 2018

### **GENERAL INFORMATION:**

---

- 1. Please note that the Bid Opening has been pushed to Tuesday, March 20, 2018. Time and location remains the same. The last day to submit written inquiries is Friday, March 9, 2018 at 2:00 PM.**

**End of Addendum #1**