



CITY OF GALVESTON - BID 16-04B  
ADDENDUM 1/  
19<sup>TH</sup> STREET RECONSTRUCTION

**Date:** March 8, 2016  
**To:** Prospective Bidders  
**Subject:** Addendum No. **2**  
BID 16-04B 19<sup>th</sup> Street Reconstruction

**This addendum forms part of the bidding and contract documents and modifies the original bidding documents dated February 18, 2016. Acknowledge receipt of this addendum in the space provided below. FAILURE TO DO SO MAY SUBJECT BIDDER TO DISQUALIFICATION.**

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**Clarifications:**

1. Question: If existing sidewalk is to be replaced can you add a bid item for removal and replacement ?

Answer: There are no sidewalks to be replaced in this project.

2. Question: Can a bid item be added for removal and replacement of ADA ramps ? Also details ?

Answer: There are no ADA ramps to be replaced in this project.

3. Question: It appears there are numerous conflicts with existing utilities(power poles, light poles, traffic signals, water main, etc.) mostly in the intersections from Avenue M to Avenue N1/2. A note on sheet # 3 calls for the Contractor to remove/dispose of these conflicts, if abandoned, at no additional cost ?

Answer: The note applies only to city utilities, if they are abandoned.

4. Question: Bid item 1045 calls for cutting & patching pipe and fittings. Not knowing the type or extent of the conflicting utility, pricing this item will be subjective and most likely quite costly. Can an allowance be established to pay for this work as opposed to a linear foot price ?

Answer: We don't know if a conflict will actually exist at these locations, but if they do, this is the means the City chose to solve the conflicted areas.



CITY OF GALVESTON – BID 16-04B  
ADDENDUM II  
19<sup>TH</sup> STREET RECONSTRUCTION

5. Question: Is the Contractor responsible for the re-vegetation/ re-landscaping of any disturbed areas ?

Answer: There should be no areas of disturbed vegetation or landscaping, but if the Contractor does disturb any of these areas beyond the work area, he will be responsible to restore the area back to its original condition.

6. Question: What is the length of opening for the curb inlets?

Answer: The length of opening for the curb inlets is five(5) foot.



**Specification Revisions:**

Specifications Table of Contents

- 2<sup>nd</sup> Sheet removing Specification # 2601 "Precast Concrete Manholes".
- 2<sup>nd</sup> Sheet adding Specification # 2620 "Pvc Pipe".

Governing Construction Specifications (Standard Specifications)

- removing Specification # 2601 "Precast Concrete Manholes
- adding Specification # 2620 "PVC Pipe

**Estimate Revisions:**

(Bid Estimate)

- Changing the quantity for Item # 2615 Reinforced Concrete Pipe (18") from 662.0 L.F. to 326.0 L.F.
- Adding Item # 2615 "Reinforced Concrete Pipe (30") with a quantity of 48.0 L.F.
- Changing the quantity of Item # 1526 "Trench Safety for Storm Sewer Construction" from 662.00 L.F. to 326.00 L.F.
- Changing the quantity of Item # 1563 "Dewatering for Storm Sewer Construction" from 662.00 L.F. to 326.00 L.F.

**Drawing Revisions:**

Plans sheet 5

- Changing the quantity for Item # 2615 "Reinforced Concrete Pipe (18") from 662.0 L.F. to 326.0 L.F.
- Changing the quantity of Item # 1526 "Trench Safety for Storm Sewer Construction" from 662.00 L.F. to 326.00 L.F.
- Changing the quantity of Item # 1563 "Dewatering for Storm Sewer Construction" from 662.00 L.F. to 326.00 L.F.
- Adding Item # 2615 "Reinforced Concrete Pipe (30")" with a quantity of 48.0 L.F.



CITY OF GALVESTON – BID 16-04B  
ADDENDUM 1/  
19<sup>TH</sup> STREET RECONSTRUCTION

Plan sheet 6

- changing the quantity for Item # 2615 “Reinforced Concrete Pipe (18”) from 662.0 L.F to 326.0 L.F.
- Changing the quantity of Item # 1526 “Trench Safety for Storm Sewer Construction” from 662.00 L.F. to 326.00 L.F.
- Changing the quantity of Item # 1563 “Dewatering for Storm Sewer Construction” from 662.00 L.F. to 326.00 L.F.
- changing the quantity for Item # 1570 “Barricades, Signs & Traffic Handling” from 1.0 Month to 4.0 Months
- Adding Item # 2615 “Reinforced Concrete Pipe (30”)” with a quantity of 48.0 L.F.

Plan sheet 8

- changing the quantity for Item 2615 “Reinforced Concrete Pipe (18”) from 120.0 L.F to 128.0 L.F

Plan sheet 9

- changing the quantity for Item 2615 “Reinforced Concrete Pipe (18”) from 180.0 L.F. to 164.0 L.F

Plan sheet 10

- Changing the quantity for Item # 2615 “Reinforced Concrete Pipe (18”)” from 42.0 L.F. to 34.0 L.F.
- Adding Item # 2615 “Reinforced Concrete Pipe (30”)” with a quantity of 48.0 L.F.

General Notes Sheet #3

- Concerning utility conflicts from approximately 17 to approximately 12.

**End of Addendum No. 2**



*Walker Wilson P.E.*  
*3/8/16*



CITY OF GALVESTON - BID 16-04B  
ADDENDUM II  
19<sup>TH</sup> STREET RECONSTRUCTION

**I hereby certify receipt of this addendum and have incorporated its information or changes  
in preparation of my submittal.**

\_\_\_\_\_  
**Authorized Signature**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Printed Name**

\_\_\_\_\_  
**Company Name**

**A COPY OF THE ADDENDUM MUST BE RETURNED WITH YOUR BID!**

City of Galveston  
Galveston CIP Roadway Reconstruction Project  
41<sup>st</sup> Street – Avenue U to Avenue L

Sec. 02590	Temp/Removable Reflectorized Pavement Markings .....	4
Sec.02605	Cast In Place Inlets, Headwalls and Wingwalls .....	3
Sec. 02606	Precast Inlets, Headwalls and Wingwalls.....	4
Sec. 02620	PVC Pipe.....	6
Sec.02720	Storm Sewers.....	4

CIP ROADWAY RECONSTRUCTION ESTIMATE  
19th STREET

ITEM NO.	DESCR	ITEM	UNIT	UNIT COST	QUANTITY	TOTAL
356	001	FABRIC UNDERSEAL	SY		14,422.00	
529	6008	CONCRETE CURB & GUTTER (TY II)	LF		240.00	
666	001	REFL PAV MRK TY I (W)(WORD) (100 MIL)	EA		2.00	
666	002	REFL PAV MRK TY I (ACC PARK)(BLU & WHT)	EA		4.00	
666	003	REFL PAV MRK TY I (W) 24" SLD (100 MIL)	LF		759.00	
666	004	REFL PAV MRK TY I (Y) 4" SLD (090 MIL)	LF		870.00	
666	005	REFL PAV MRK TY I (Y) 4" BRK (090 MIL)	LF		680.00	
1045	001	CUT & PATCH PIPE & FITTINGS (CONTR. TO SIZE)	LF		240.00	
1122	001	BIOGRD EROSION CONT. LOG (8")(INSTALL)	LF		196.00	
1122	002	BIOGRD EROSION CONT. LOG (8")(REMOVE)	LF		196.00	
1505	001	MOBILIZATION	LS		1.00	
1526	001	TRENCH SAFETY for STORM SEWER CONSTRUCTION	LF		326.00	
1563	001	DEWATERING FOR STORM SEWER CONSTRUCTION	LF		326.00	
1570	001	BARRICADES, SIGNS & TRAFFIC HANDLING	MO		4.00	
2076	001	REMOVE STRUCTURE (PIPE)	LF		342.00	
2076	002	REMOVE STRUCTURE (INLET)	EA		21.00	
2076	003	REMOVE STRUCTURE (CONCRETE CURB)	LF		340.00	
2076	004	PLANE ASPHALT CONCRETE PAVEMENT	SY		14,422.00	
2238	001	D-GR HMA (TY B) PG64-22	TN		140.00	
2252	001	CEMENT STABILIZED BACKFILL (SAND CEMENT 7%)	CY		228.00	
2510	001	D-GR HMA (TY D) PG64-22	TN		1,204.00	
2511	001	ASPHALT MATERIAL (CRS-2)	GAL		4,330.00	
2570	001	FLEXIBLE PAVEMENT REPAIR	CY		50.00	
2590	001	WK ZN PAV MRK (SHT TERM) TAB (Y)	EA		223.00	
2605	001	CURB INLET	EA		20.00	
2605	002	GRATE INLET	EA		2.00	
2605	003	REPLACE JUNCTION BOX (LARGE)	EA		1.00	
2615	001	REINFORCED CONCRETE PIPE (18")	LF		326.00	
2615	002	REINFORCED CONCRETE PIPE (30")	LF		48.00	
					<b>TOTAL</b>	

Name of Contracting Firm:

Address & Phone Number:

Authorized Signature:

Printed Name / Email Address:

## GOVERNING CONSTRUCTION SPECIFICATIONS

The governing construction specifications applicable to this work are a combination of the Texas Department of Transportation (TXDOT) 2004 Standard Specifications and the City of Galveston Construction Specifications.

These items which are listed below are hereby adopted and made part of the Contract Documents to the same extent as if they were herein reproduced in full subject to such modifications, revisions or supplements as may appear in the section entitled Special Provisions in these Contract Documents to follow:

### **Standard Specifications:**

- Item 356 Fabric Underseal
- Item 529 Concrete Curb & Gutter
- Item 666 Reflectorized Pavement Markings
- Item 1045 Cutting and Patching
- Item 1122 Temporary Erosion, Sedimentation and Environmental Controls
- Item 01420 Construction Inspection Services
- Item 01505 Mobilization
- Item 01526 Trench Safety Systems
- Item 01563 Dewatering for Storm Sewer Construction
- Item 01570 Traffic Control and Regulation
- Item 02076 Remove Existing Pavements and Structures
- Item 02238 Hot Mix Asphaltic Base Course
- Item 02252 Cement Stabilized Backfill
- Item 02510 Asphaltic Concrete Pavement
- Item 02511 Prime Coat
- Item 02570 Pavement Repair and Resurfacing
- Item 02590 Temporary and Removable Reflectorized Pavement Markings
- Item 02605 Cast-in-Place Inlets, Headwalls, and Junction Boxes
- Item 02606 Precast Inlets, Headwalls and Wingwalls
- Item 02615 Reinforced Concrete Pipe
- Item 02620 PVC Pipe
- Item 02720 Storm Sewers

### **Special Provisions:**

Special Provisions will govern and take precedence over the specifications enumerated hereon wherever in conflict therewith.

Wage Rates:

Special Provision "Important Notice to Contractor"

SUMMARY OF CONSTRUCTION ITEMS 19TH STREET (32-05.86-61-04.92)														
STA. - STA.	ITEM UNIT	FABRIC UNDERSEAL MIN. 90Z./SY ITEM 356 SY	CONCRETE CURB & GUTTER (TY II) ITEM 529 LF	REFL PAV MRK TY I (ACC PRK) (BLU/WHT) ITEM 666 EA	REFL PAV MRK TY I (W) (WORD) (100 MIL) ITEM 666 LF	REFL PAV MRK TY I (W) 24"(SLD) (100 MIL) ITEM 666 LF	REFL PAV MRK TY I (Y) 4"(SLD) (090 MIL) ITEM 666 LF	REFL PAV MRK TY I (Y) 4"(BRK) (090 MIL) ITEM 666 LF	BIOGRD EROSION CONTROL LOG (8") (INSTALL) ITEM 1122 LF	BIOGRD EROSION CONTROL LOG (8") (REMOVE) ITEM 1122 LF	TRENCH SAFETY FOR STORM SEWER CONSTRUCTION ITEM 1526 LF	DEWATERING FOR STORM SEWER CONSTRUCTION ITEM 1563 LF	REMOVE STRUCTURE (PIPE) ITEM 2076 LF	REMOVE STRUCTURE (INLET) ITEM 2076 EA
32-05-61-05		14422.0	240.0	4.0	2.0	759.0	870.0	680.0	196.0	196.0	326.0	326.0	342.0	21.0
TOTAL		14422.0	240.0	4.0	2.0	759.0	870.0	680.0	196.0	196.0	326.0	326.0	342.0	21.0

SUMMARY OF CONSTRUCTION ITEMS 19TH STREET (32-05.86-61-04.92) CONTINUED															
STA. - STA.	ITEM UNIT	REMOVE STRUCTURE (CONC. CURB) ITEM 2076 EA	PLANE ASPH CONC. PAVING ITEM 2076 SY	D-GR HMA TY B (16") PG64-22 ITEM 2238 TN	CEMENT STAB. BKFL(7% CEMENT) ITEM 2252 CY	D-GR HMA TY D (1.5") PG64-22 ITEM 2510 TN	ASPHALT MATERIAL (CRS-2) ITEM 2511 GAL	FLEXIBLE PAVEMENT REPAIR ITEM 2570 CY	WK ZN PAV MRK SHT TERM(TAB) TY (Y) ITEM 2590 EA	CURB INLET (TY II) ITEM 2605 EA	GRATE INLET ITEM 2605 EA	REPLACE JUNCTION BOX (LARGE) ITEM 2605 EA	REINF. CONC. PIPE (18") ITEM 2615 LF	REINF. CONC. PIPE (30") ITEM 2615 LF	CUT & PATCH PIPE & FITTINGS ITEM 1045 LF
32-05-61-05		340.0	14422.0	140.0	228.0	1204.0	4330.0	50.0	223.0	20.0	2.0	1.0	326.0	48.0	240.0
TOTAL		340.0	14422.0	140.0	228.0	1204.0	4330.0	50.0	223.0	20.0	2.0	1.0	326.0	48.0	240.0

**BASIS OF ESTIMATE**

ITEM NO.	DESCRIPTION	RATE	NO. UNITS	CONVERSION	QUANTITY
ITEM 2238	D-GR HMA(TY B)PG64-22	2 TON/CY	70 C.Y.	2.0 X 70=	140.0 TONS
ITEM 2510	D-GR HMA(TY D)PG64-22	2 TON/CY	602 C.Y.	2.0 X 602=	1204.0 TONS
ITEM 2511	ASPH. FOR UNDERSEAL	0.30 GAL/SY	14,422.0 SY	0.30 X 14,422 =	4,330.0 GAL

PROJECT LOCATION		City of Galveston
CITY	COUNTY	STATE
Galveston	Galveston	TEXAS
SITE ADDRESS:		19th Street
CN	PN	SHEET
322	1007	05

**LJA Engineering, Inc.**  
 Public Infrastructure  
 899 Orleans Street  
 Beaumont, Texas 77701  
 Phone 409.813.1892  
 Fax 409.813.1996  
 FRI-F-1988  
 CLIENT: CITY OF GALVESTON

SUMMARY SHEET  
 DATE: 07/30/15  
 WALLACE R. WILSON, P.E. • 84857  




NO.	DATE	REVISION	APPROV.



STA. 31+93.57

PI 32+05.86

STA 32+05.86  
BEGIN MILLING,  
FABRIC UNDERSEAL  
&  
ACP OVERLAY

SEALY AVE

EXIST UNDERGROUND UTILITIES

STA 38+00  
CURB INLET  
(LT)

18" RCP

EP 38+34.67

STA 41+33  
CURB INLET  
(LT)

18" RCP

PI 41+65.87

WINNIE AVE

STA 45+32  
CURB INLET  
(LT)

REMOVE EXIST  
CORNER DRAIN

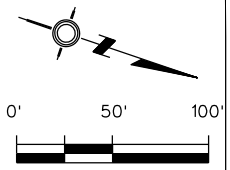
EXIST UNDERGROUND UTILITIES

STA 44+67  
CURB INLET  
(LT)

18" RCP

CHURCH ST

STA. 40+65.00



PROJECT LOCATION	City of Galveston
CITY	Galveston
COUNTY	Galveston
STATE	TEXAS
SITE ADDRESS:	19th Street
CN	322
PN	1007
DRAWING	
SHEET	08

**LJA Engineering, Inc.**  
Public Infrastructure  
999 Orleans Street  
Beaumont, Texas 77701  
Phone 409.813.1992  
Fax 409.813.1996  
FRI-F-1998

CLIENT  
**CITY OF GALVESTON**

19TH PLAN & PROFILE  
STA 32+05.86 TO STA 45+00

DATE 07/30/15

WALLACE R. WILSON, P.E. #84857



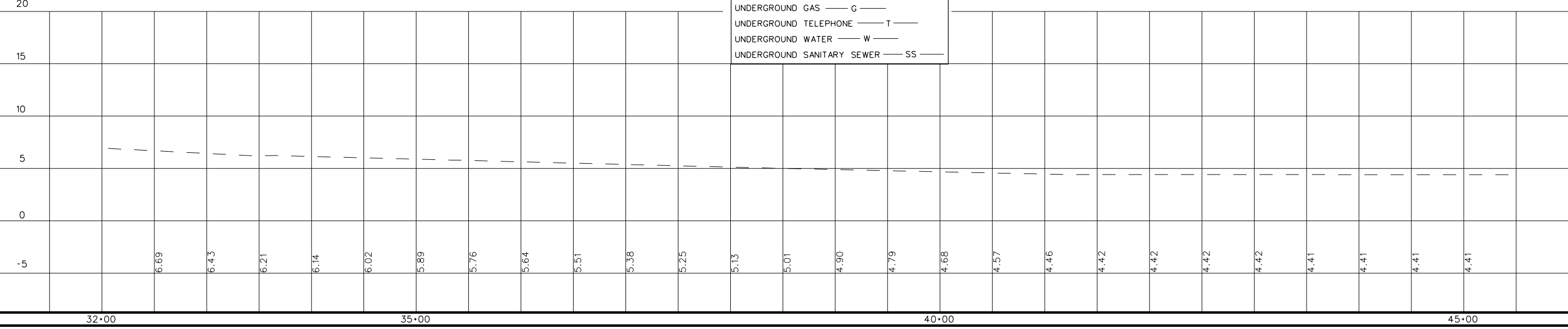
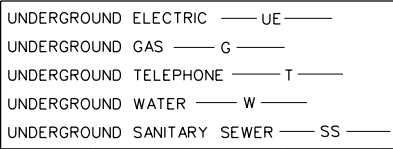
NO.	DATE	REVISION	APPROV.

SUMMARY OF CONSTRUCTION ITEMS

STA.-STA.	ITEM UNIT	ASPHALT MATERIAL (CRS-2) GAL	PLANE ASPH CONC. PAVING SY	FABRIC UNDERSEAL SY	CONCRETE CURB & GUTTER (TY II) LF	REINFORCED CONCRETE PIPE (18") LF	CURB INLET EA	REMOVE STRUCTURE PIPE LF	REMOVE STRUCTURE (INLET) EA	REMOVE STRUCTURE (CONCRETE CURB) LF	WK ZN PAV MRK SHT TERM(TAB) TY (Y) EA	REFL PAV MRK TY I (ACC PRK) (BLU/WHT) ITEM 666 EA	REFL PAV MRK TY I (W) 8"(SLD) (100 MIL) ITEM 666 LF	REFL PAV MRK TY I (W) 24"(SLD) (100 MIL) ITEM 666 LF	REFL PAV MRK TY I (Y) 4"(SLD) (090 MIL) ITEM 666 LF	REFL PAV MRK TY I (Y) 4"(BRK) (090 MIL) ITEM 666 LF	BIOGRD EROSION CONTROL LOG (8") (INSTALL) ITEM 1122 LF	BIOGRD EROSION CONTROL LOG (8") (REMOVE) ITEM 1122 LF	TEMP. SEDIMENT CONTROL FENCE (INSTALL) ITEM 1122 LF	D-GR HMA TY D (1.5") PG64-22 ITEM 2510 TN	CUT & PATCH PIPE & FITTINGS ITEM 1045 LF
32+05-45+00		1930.0	6423.0	6423.0	96.0	128.0	8.0	120.0	8.0	136.0	100.0	2.0	N/A	224.0	180.0	300.0	84.0	84.0	N/A	536.0	100.0
TOTAL		1930.0	6423.0	6423.0	96.0	128.0	8.0	120.0	8.0	136.0	100.0	2.0		224.0	180.0	300.0	84.0	84.0		536.0	100.0

NOTES: ANY OPEN EXCAVATION SHALL BE BACKFILLED WITH CEMENT STABILIZED BACKFILL. TIE ANY EXISTING PIPE THAT CONNECTS TO THE EXISTING INLET TO THE PROPOSED INLET. PROPOSED INLET THROAT TO BE SET 0.1FT LOWER THAN CORNER DRAINS.

NOTE: CORNER DRAINS TO BE REMOVED. THIS WORK IS SUBSIDIARY TO THE PAYMENT ITEMS OF WORK.



32+00

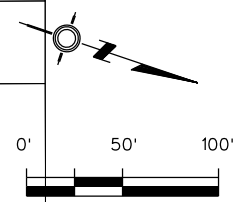
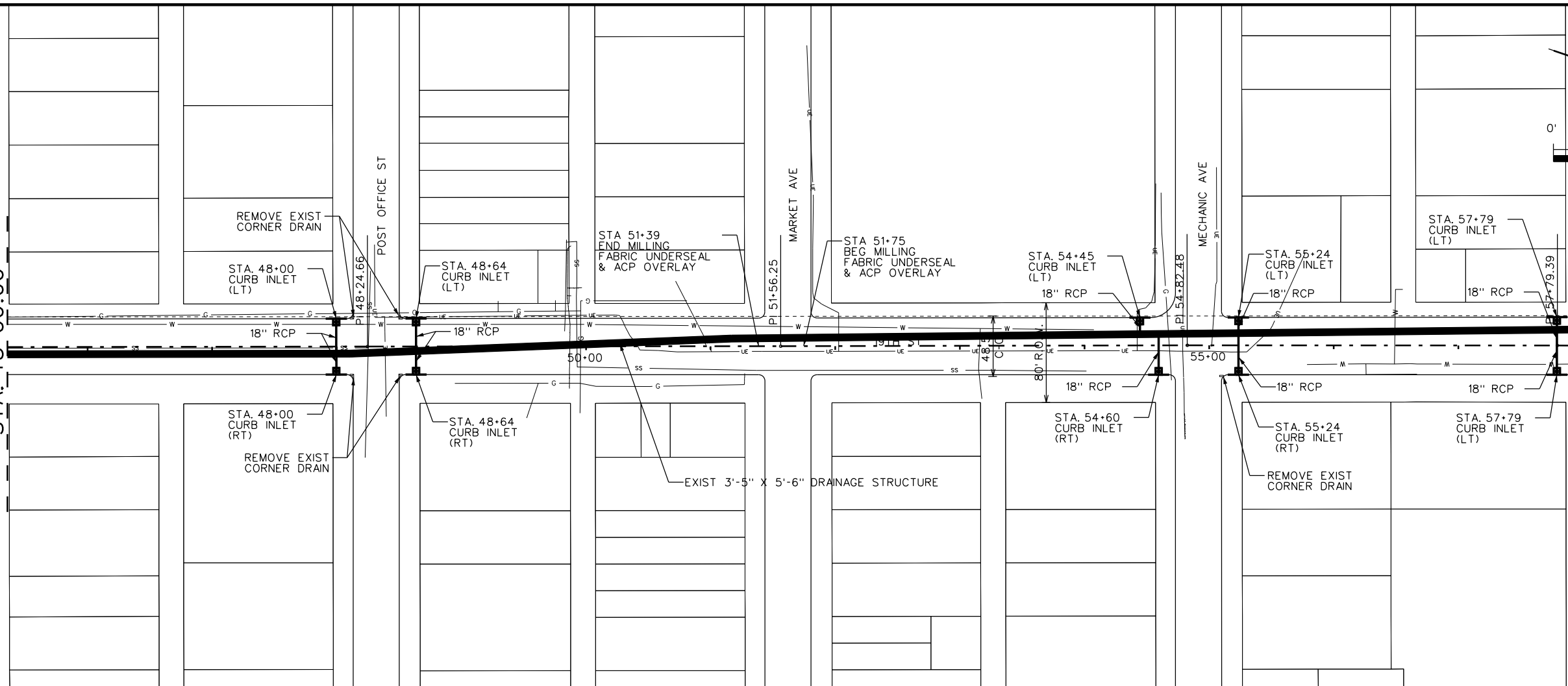
35+00

40+00

45+00

STA. 45+00.00

STA. 58+00.00

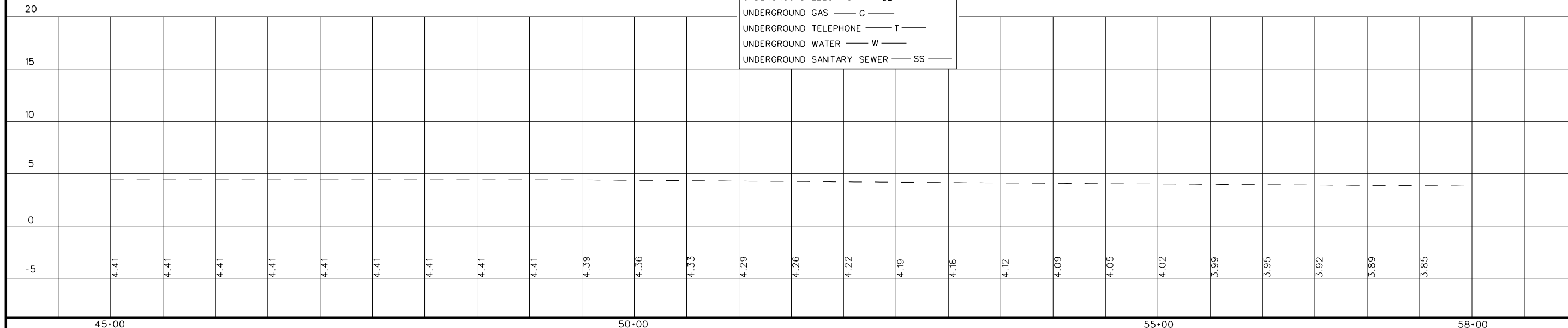
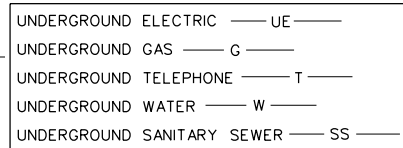


**SUMMARY OF CONSTRUCTION ITEMS**

STA. - STA.	ITEM UNIT	ASPHALT MATERIAL (CRS-2) ITEM 2511 GAL	PLANE ASPH CONC. PAVING ITEM 2076 SY	FABRIC UNDERSEAL ITEM 356 SY	CONCRETE CURB & GUTTER (TY II) ITEM 529 LF	REINFORCED CONCRETE PIPE (18") ITEM 2615 LF	CURB INLET ITEM 2605 EA	REMOVE STRUCTURE PIPE ITEM 2076 LF	REMOVE STRUCTURE (INLET) ITEM 2076 EA	REMOVE STRUCTURE (CONCRETE CURB) ITEM 2076 LF	WK ZN PAV MRK SHT TERM(TAB) TY (Y) ITEM 2590 EA	REFL PAV MRK TY I (ACC PRK) (BLU/WHT) ITEM 666 EA	REFL PAV MRK TY I (W) 24"(SLD) (100 MIL) ITEM 666 LF	REFL PAV MRK TY I (Y) 4"(SLD) (090 MIL) ITEM 666 LF	REFL PAV MRK TY I (Y) 4"(BRK) (090 MIL) ITEM 666 LF	BIOGRD EROSION CONTROL LOG (8") (INSTALL) ITEM 1122 LF	BIOGRD EROSION CONTROL LOG (8") (REMOVE) ITEM 1122 LF	TEMP. SEDIMENT CONTROL FENCE (INSTALL) ITEM 1122 LF	D-GR HMA TY D (1.5") PG64-22 ITEM 2510 TN	CUT & PATCH PIPE & FITTINGS ITEM 1045 LF
45+00-58+00		1930.0	6423.0	6423.0	120.0	164.0	10.0	180.0	10.0	170.0	100.0	2.0	495.00	180.0	300.0	84.0	84.0	N/A	536.0	100.0
<b>TOTAL</b>		1930.0	6423.0	6423.0	120.0	164.0	10.0	180.0	10.0	170.0	100.0	2.0	495.00	180.0	300.0	84.0	84.0		536.0	100.0

NOTES: ANY OPEN EXCAVATION SHALL BE BACKFILLED WITH CEMENT STABILIZED BACKFILL. TIE ANY EXISTING PIPE THAT CONNECTS TO THE EXISTING INLET TO THE PROPOSED INLET. PROPOSED INLET THROAT TO BE SET 0.1 FT LOWER THAN CORNER DRAINS.

NOTE: CORNER DRAINS TO BE REMOVED. THIS WORK IS SUBSIDIARY TO THE PAYMENT ITEMS OF WORK.



**PROJECT LOCATION**  
City of Galveston

**CITY** Galveston **COUNTY** Galveston **STATE** TEXAS

**SITE ADDRESS:** 19th Street

**CLIENT** CITY OF GALVESTON

**PHONE** 409.813.1922 **FAX** 409.813.1926 **FRI-F-1986**

**999 Orleans Street** **Beaumont, Texas 77701**

**DATE** 07/30/15

**NO. DATE REVISION APPROV.**

**WALLACE R. WILSON, P.E. #84857**

**19TH PLAN & PROFILE**  
STA 45+00 TO STA 58+00

**PROJECT LOCATION**  
City of Galveston

**CITY** Galveston **COUNTY** Galveston **STATE** TEXAS

**SITE ADDRESS:** 19th Street

**CLIENT** CITY OF GALVESTON

**PHONE** 409.813.1922 **FAX** 409.813.1926 **FRI-F-1986**

**999 Orleans Street** **Beaumont, Texas 77701**

**DATE** 07/30/15

**NO. DATE REVISION APPROV.**

**WALLACE R. WILSON, P.E. #84857**



## General Notes and Specifications

Unless specified as a pay item in the Bid Estimate structural excavation and common backfill will not be paid for directly but shall be subsidiary to pertinent items. No open excavation shall be left in the travel way overnight

All authorized waste material shall become the property of the Contractor and shall be properly disposed of at a location appropriate/permitted for the waste material.

The Contractor shall allow City forces to enter this project to accomplish such work as shown in the plans (by others) and as may be deemed necessary by the City.

Ingress and egress to the adjacent property shall be maintained by the Contractor at all times.

The City will provide a Testing Agency that will sample and test all necessary materials incorporated into the project in accordance with the test methods provided for under the appropriate standard specifications for the various items.

The approximate location of the known underground utility installations is shown on the plans. The Contractor shall be responsible for confirming the location of these utility lines and the exact location of any others which may exist. It shall be the Contractor's responsibility to notify the utility involved in case of conflict or damage and the Contractor shall be responsible for damage that occurs due to negligence. Where the Contractor encounters abandoned lines and they interfere with the construction of this project, Contractor will verify with City Staff and if confirmed to be inactive, they shall be removed and disposed of. There will be no direct payment for this work and it shall be considered subsidiary to the various Bid Items of the Contract.

All materials, labor and incidentals required for the Contractor to provide for traffic across the streets, trench safety, dewatering, etc. and for temporary ingress and egress to private property shall be furnished by the Contractor at no additional cost to the City, with appropriate advance notification (72 Hours), and shall be considered as incidental to the Bid Items of this project.

Jobs shall be constructed in this order unless approved by the Engineer and the City:

41<sup>st</sup> Street

Contractor shall arrange that the parking area on each side of streets be clear when Construction work is to begin in those areas.

All work, unless specified otherwise, shall be done in accordance with Galveston City Specifications and any work not covered by the Galveston City Specifications will be done in accordance with the Texas Department of Transportation's, Standard Specifications for Construction of Highways, Streets and Bridges, adopted March 1, 2004.

Construction of the Project shall be accomplished in the construction sequence as follows

1. Install traffic control per Standard TCP sheets. Detours must be established when intersections are closed for drainage work. Set up detours according to the "Texas Manual of Uniform Control Devices".
2. Perform all the drainage work first.
3. Mill the roadway to the required depth avoiding all utility covers.
4. Remove all Asphalt Concrete Pavement from around any existing covers and broom all loose particles from the roadway.
5. Adjust any manholes or other utility covers if needed before placing ACP around them. Use a small vibrating tamp to compact areas around covers. The grade of the covers shall match the grade of the surrounding ACP.
6. Tack the roadway and place ACP to the depth called for in the plans. Care shall be taken that ACP shall be placed at the exact depth called for on the plans. No over-runs shall be paid for without approval of the Engineer.
7. Complete all striping and Project clean up as soon as ACP pavement has been placed.

If the Contractor has a need to open or remove the top of manholes belonging to any utility other than the City, the Contractor shall first contact the utility for direction, instruction and coordination. No manhole shall be opened without explicit approval of the utility involved.

There are approximately 7 conflicts with city utilities in doing the inlet work. The Contractor shall verify all conflicts and determine the type, size, and amount of material to re-route the utility around the work area. The work shall be paid by the linear foot and all fittings, connections, etc. shall be subsidiary to Item 1045.

**Item 356:**

Fabric underseal shall be placed as per manufacturers specifications. Fabric shall be a minimum weight of 9 oz./sy. Asphalt material and rate provided under Item 2511.

**Item 585:**

Use surface test "A" to evaluate ride quality of travel lanes in accordance with Item 585 "Ride Quality for Pavement Surfaces."



**Item 666:**

Air blowing is subsidiary to this item. Place pavement markings within 7 calendar days after elimination of the existing striping and placement of short term striping. If it is not possible to place the standard pavement markings due to inclement weather, maintain the short-term pavement markings in accordance with Item 662, "Work Zone Pavement Markings" until placement of the standard markings is possible.

**Item 1122: Temporary Erosion, Sedimentation, and Environmental Controls**

When specified by the engineer, the Contractor will implement storm water pollution prevention plan measures using the items listed below:

Temporary Erosion Control Logs

 <p><b>LJA Engineering, Inc.</b> Public Infrastructure 909 Orleans Street Beaumont, Texas 77701</p>	<p>Phone 409.813.1822 Fax 409.813.1826 FRI-FI1986</p>	<p>PROJECT LOCATION City of Galveston</p>	<p>CITY COUNTY STATE Galveston Galveston TEXAS</p>	<p>SHEET DRAWING SHEET 03</p>
<p>CLIENT CITY OF GALVESTON</p>		<p>SITE ADDRESS: 19th Street CN PN 322 1007</p>		
<p>GENERAL NOTES</p>		<p>DATE 07/30/15</p>		
<p><i>Wallace R. Wilson P.E.</i> WALLACE R. WILSON, P.E. • 84857</p>				
NO.	DATE	REVISION	APPROV.	