Document 00910

ADDENDUM NO. 2

Date of Addendum: January 20, 2016

PROJECT NAME: Gessner Paving and Drainage: Long Point to Neuens Road

PROJECT NO: WBS No. N-000809-0001-4

BID DATE: January 28, 2016

FROM: J. Timothy Lincoln, P.E., City Engineer
City of Houston, Department of Public Works and Engineering
611 Walker Street
Houston, Texas 77002
Attn: *Mike Cordova*, Project Manager

TO: Prospective Bidders

This Addendum forms a part of the Bidding Documents and will be incorporated into the Contract documents, as applicable. Insofar as the original Project Manual and Drawings are inconsistent, this Addendum governs.

CHANGES TO PROJECT MANUAL

- Section 00410B – Bid Form – Part B

CHANGES TO DRAWINGS

- Omit Sheet No. 33, Storm Sewer Standards, and replace with Sheet No. 33A, Plan and Profile Long Point Rd East of Gessner Rd.

CLARIFICATIONS

- Section 00410B-Bid Form. In accordance with City of Houston 2015 Standard Specifications Section 02315,1.02,A,1 embankment fill is incidental to roadway excavation. The cost for Embankment Fill will not be paid for separately.
- Section 00410B-Bid Form. Certain General and Extra Unit Items have been changed to include min/max amounts.

Embankment Fill will not be paid for separately for this project. The quantity for Item 38 "Roadway Excavation with or without Subgrade" has been modified. The original quantity shown in the original 00410B-Bid Form included the volume of the subgrade. This volume has been deleted from the calculations and the revised quantity shown.

Section 00410B-Bid Form has been modified to include proposed water line improvements along Long Point Rd as shown on plan sheet 33, Plan and Profile Long Point Rd East of Gessner Rd.

Section 00410B-Bid Form. Certain General and Extra Unit Items have been changed to include min/max amounts.

Sheet No. 53. The drums shall be removed from all travel lanes during non-working hours. Contractor will be permitted to store drums within the previously placed temporary pavement within the median area.

Plan Sheet No. 181. The seal slab shown on Standard Detail 02317-07 "Precast Concrete Box Storm Sewer Bedding and Backfill with Seal Slab" is not required for this project. Standard Detail 02317-05 "Precast Concrete Box Storm Sewer Bedding and Backfill for Dry Stable Trench" is acceptable for the storm sewer box culverts on this project.

STATE OF TEXAS
RONALD R. KLINE
65328
LICENSED
PROFESSIONAL ENGINEER

1-20-16

Ravi Kaleyatodi, P.E., CPM
Senior Assistant Director
Department of Public Works and Engineering

JK

END OF DOCUMENT

Document 00410B

BID FORM - PART B

1.0 TOTAL BID PRICE HAS BEEN CALCULATED BY BIDDER, USING THE FOLLOWING COMPONENT PRICES AND PROCESS (PRINT OR TYPE NUMERICAL AMOUNTS):

A. STIPULATED PRICE: **$0.00 (N/A)**

(Total Bid Price; minus Base Unit Prices, Extra Unit Prices, Cash Allowances and All Alternates, if any)

B. BASE UNIT PRICE TABLE:

Item No.	Spec. Ref.	Base Unit Short Title	Unit of Measure	Estimated Quantity	Unit Price (this column controls)	Total in figures
GENERAL						
1	01502	Mobilization	LS	1	$434,000 (1)	
2	01555	Traffic Control and Regulation	LS	1	$450,000 (2)	
3	01555	Flagmen	LS	1	$150,000 (1)	
4	01570	Inlet Protection Barrier	LF	542		
5	01570	Reinforced filter fabric barrier	LF	116		
6	01570	Filter fabric fence	LF	600		
7	01570	Inlet protection	EA	56		
8	01575	Stabilized construction exit	EA	2		
9	02086	Adjust existing inlet to new grade	EA	3		
10	02086	Adjust existing manhole frame and cover to new grade	EA	2		
11	02105	Preparatory Work for Sampling and Analysis in PPCA	LS	1	$4,000 (2)	

12	02120	Transportation and disposal of Class I soils	CY	1050		
13	02221	Remove and Dispose of Existing Manholes (Sanitary)	EA	5		
14	02221	Remove and Dispose of Existing Manholes (Storm Sewer)	EA	35		
15	02221	Remove/Dispose storm pipe 6-inch dia	LF	18		
16	02221	Remove/Dispose storm pipe 12-inch dia	LF	172		
17	02221	Remove/Dispose storm pipe 15-inch dia	LF	56		
18	02221	Remove/Dispose storm pipe 18-inch dia	LF	2281		
19	02221	Remove/Dispose storm pipe 24-inch dia	LF	895		
20	02221	Remove/Dispose storm pipe 30-inch dia	LF	190		
21	02221	Remove/Dispose storm pipe 36-inch dia	LF	480		
22	02221	Remove/Dispose storm pipe 48-inch dia	LF	750		
23	02221	Remove/Dispose storm pipe 54-inch dia	LF	1182		
24	02221	Remove/Dispose storm pipe 60-inch dia	LF	455		
25	02221	Remove/Dispose storm pipe 66-inch dia	LF	1355		
26	02221	Remove And Dispose of Existing Inlets	EA	49		
27	02233	Clearing and grubbing	AC	1		
28	02260	Trench safety system for trench excavations	LF	2050		

29	02741	Detour road including 6-inch flexible base (HMAC Type A), tack coat, 1 1/2 inch Type D hot-mix asphaltic concrete surfacing and associated grading and ditches	SY	5550		
30	02915	Tree planting	EA	158		
31	01562	Tree and plant protection	LS	1	$20,000 (2)	
32	02921	Hydromulch seeding	AC	6		
33	02922	Sodding	SY	1446		
STREET						
34	02221	Remove/Dispose Aspalt Surface/with or without Base	SY	2829		
35	02221	Remove/Dispose Reinforced Concrete with Asph Overlay/ with or withoutBase	SY	43216		
36	02221	Remove/Dispose Conc driveway 6-inch thick/More	SY	2811		
37	02221	Remove/ Dispose Conc Sidewalk 4-inch thick/More	SY	4097		
38	02315	Roadway Excavation with or without subgrade	CY	3062		
39	02336	Lime Stabilized Subgrade 6-inch thick	SY	1689		
40	02336	Lime Stabilized Subgrade 8-inch thick	SY	47592		
41	02336	Lime for Lime stabilized Subgrade (DRY WEIGHT)	TON	571		
42	02711	Hot Mix Asphalt Base Course (TypeA/B) / All Thickness	TON	787		
43	02714	Flexible Base Course/temp driveways Commercial upto 24 feet wide	EA	59		
44	02741	Hot Mix Asphalt Concrete Pavement 1.5-inch thick	TON	197		

45	02751	High Early Strength Reinforced Con Pav 10-inch thick	SY	5522		
46	02751	Reinforced Concrete Pavement 10-inch thick	SY	37852		
47	02752	Horizontal Dowel, 24-Inch	EA	4417		
48	02752	Street Pavement Expansion Joint without Load transfer	LF	134		
49	02752	Street Pavement Expansion Joint with Load transfer	LF	4417		
50	02754	Concrete Driveways including Excavation 7-inch thick	SF	32372		
51	02754	High Early Strength Concrete Driveways including Excavation 7-inch thick	SF	5568		
52	TXDOT 662	Temporary Class I - Wrk Zn Pav Mrk Remov 4" (W) (SLD)	LF	35750		
53	TXDOT 662	Temporary Class I - Wrk Zn Pav Mrk Remov 4" (DOUBLE) (Y) (SLD)	LF	9680		
54	TXDOT 662	Temporary Class I - Wrk Zn Pav Mrk Remov 4" (Y) (SLD)	LF	31839		
55	TXDOT 662	Temporary Class I - Wrk Zn Pav Mrk Remov 24" (W) (SLD)	LF	824		
56	02764	Reflectorized Pavement Marker - Double Sided	EA	652		
57	02767	Reflectorized Paint on 6-inch Curb, White or Yellow	LF	4661		
58	02762	Blast cleaning pavement markers 24-inch wide lines	LF	280		
59	02762	Blast cleaning pavement markers 12-inch wide lines	LF	1120		
60	02762	Blast cleaning pavement markers 4-inch wide lines	LF	3014		
61	02762	Blast cleaning pavement markers TURNING ARROW	SF	150		

62	02767	Thermoplastic Pavement Marking Elongated Word (ONLY)	EA	20		
63	02767	Thermoplastic Pavement Marking symbol ARROW	EA	44		
64	02767	Thermoplastic Pavement Marking 6-inch wide White/Yellow	LF	2053		
65	02767	Thermoplastic Pavement Marking 24-inch wide White/Yellow	LF	280		
66	02767	Thermoplastic Pavement Marking 12-inch wide White/Yellow	LF	1120		
67	02767	Thermoplastic Pavement Marking 4-inch wide White/Yellow(SLD/BRK)	LF	21936		
68	02771	Concrete Paving Header	LF	296		
69	02771	6-Inch Concrete Curb (Monolithic)	LF	6717		
70	02771	6-inch Curb and Gutter(Monolithic)	LF	942		
71	02771	6-Inch Doweled Curb	LF	7446		
72	02775	6-inch thick Reinforced Concrete Slope Paving	SY	946		
73	02775	Sidewalk 4-1/2-inch thick	SF	28804		
74	02775	Curb Ramp	SF	3350		
75	TXDOT 423	Reinforced Concrete Retaining Wall (Cast in Place) (N.S., N.G.)	SF	268		
76	01554	Ground Mounted Signs (Including Signs, Posts, Anchors, Hardwary and etc...)	EA	41		
TRAFFIC SIGNALIZATION						
77	02221	Remove Existing Pole Foundation	EA	7		

78	02582/02465	25-feet Mast arm Pole Assembly with Luminiare(115W,LED)	EA	1		
79	02582/02465	35-feet Mast arm Pole Assembly with Luminaire(115W,LED)	EA	1		
80	02582/02465	40-feet Mast arm Pole Assembly with Luminare(115W,LED)	EA	2		
81	02582/02465	45-feet Mast arm Pole Assembly with Luminaire(115W,LED)	EA	1		
82	02582/02465	50-feet Mast arm Pole Assembly with Luminaire(115W,LED)	EA	2		
83	02893-03	Pedestrian Push Button Pole with Foundation	EA	8		
84	02893-07	Pedestal Pole Assembly with Concrete Foundation	EA	3		
85	02893-10C	Controller Cabinet Foundation with Apron	EA	2		
86	02893-14	Electrical Service Pedastal Assembly-70AMP(Square D breakers Included)	EA	2		
87	02893	Remove and Salvage Existing Traffic Signal Equipment	EA	2		
88	02893	Remove and Salvage Existing Overhead Street Name Signs	EA	7		
89	02893	Sign Left On Green Arrow Only R10-12 all sizes	EA	10		
90	02893	Overhead Street Name Signs	EA	7		
91	16710	Type A Pull Box with Gravel and Ground Rod	EA	13		
92	16710	Type C Pull Box with Gravel and Ground Rod	EA	11		
93	16711	Conduit 2-Inch RMC Trench	LF	195		
94	16711	Conduit, 1-in PVC (Includes Bond Wire and Pull Tape)	LF	130		

95	16711	Conduit 2-Inch Sch 80 PVC Trench	LF	3110		
96	16711	Conduit 2-Inch Sch 80 PVC Bore	LF	270		
97	16711	Conduit 3-Inch Sch 80 PVC Trench	LF	30		
98	16711	Conduit 3-Inch Sch 80 PVC Bore	LF	90		
99	16711	Conduit 4-Inch Sch 80 PVC Trench	LF	225		
100	16711	Conduit 4-Inch Sch 80 PVC Bore	LF	760		
101	16715	3-Section Vehicle signal Head assembly	EA	28		
102	16719	Pedestrian Push Button Head Assembly,(Symbolic) Countdown	EA	14		
103	16720	2/C#14 Shielded Cable	LF	13290		
104	16720	3/C#14AWG Solid Cable	LF	2080		
105	16720	5/C#14AWG Solid Cable	LF	2165		
106	16720	7/C#14AWG Solid Cable	LF	5625		
107	16720	#4 THHN Service Wire	LF	580		
108	16720	#6 XHHW Service Wire	LF	300		
109	16720	#10 XHHW Service Wire	LF	2840		
110	16720	#8 AWG Bare Solid Wire	LF	2595		
111	16724	Emergency Vehicle Preemtion System	EA	2		

112	16727	Loop Detector Sawcut With Loop Wire	LF	4000		
113	16730	ITS Controller Cabinet Assebly(Model 342)(Type 2070L)	EA	1		
114	16730	ITS Controller Cabinet Assebly(Model 340)(Type 2070L)	EA	1		
115	16732	Uninterruptible Power Supply	EA	2		
116	16734	WIMAX	EA	2		
117	16750	Accessible Pedastrian Push Button Station central Control Unit	EA	14		
118	16785	GPS Serial Communication Module	EA	2		
STORMWATER						
119	02081/02082/02087	Manhole for concrete box sewers	EA	11		
120	02081/02082/02087	Type C manhole for 42-inch diameter and smaller sewers	EA	11		
121	02081/02082/02087	Type C manhole for 48-inch to 72-inch diameter sewers	EA	1		
122	02631	4-foot by 4-foot box storm sewer by open cut	LF	442		
123	02631	5-foot by 5-foot box storm sewer by open cut	LF	375		
124	02315	6-foot by 5-foot box storm sewer by open cut	LF	1377		
125	02315	7-foot by 5-foot box storm sewer by open cut	LF	482		
126	02315	8-foot by 5-foot box storm sewer by open cut	LF	706		
127	02631	24-inch diameter storm sewer by open cut	LF	295		

128	02631	30-inch diameter storm sewer by open cut	LF	95		
129	02631	48-inch diameter storm sewer by open cut	LF	164		
130	02631	24-inch diameter storm sewer lead	LF	2979		
131	02632/02633	Type BB inlet	EA	40		
132	02632/02633	Type A grate inlet	EA	7		
133	02638	Junction Box with lid or grate top for storm sewer	EA	12		
134	02638	Junction Box with manhole for concrete box sewer	EA	3		
135	02631	5-foot by 5-foot box storm sewer by open cut within PPCA	LF	204		
136	02631	6-foot by 5-foot box storm sewer by open cut within PPCA	LF	138		
137	02631	24-inch diameter storm sewer lead by open cut within PPCA	LF	225		
138	02081/02082/02087	Manhole for concrete box sewers within PPCA	EA	1		
139	02081/02082/02087	Type C manhole for 42-inch diameter and smaller sewers within PPCA	EA	1		
140	02632/02633	Type BB inlet within PPCA	EA	3		
141	02632/02633	Type A grate inlet within PPCA	EA	1		
142	02638	Junction Box with lid or grate top for storm sewer within PPCA	EA	2		
WATER						
143	02511	2-inch diameter water line by open-cut	LF	25		

144	02511	6-inch diameter water line by open-cut	LF	83		
145	02511	8-inch diameter water line by open-cut	LF	465		
146	02511	12-inch diameter water line by open-cut	LF	80		
147	02511	16-inch diameter water line by open-cut	LF	257		
148	02511	6-inch diameter water line by open-cut with restrained joints	LF	81		
149	02511	8-inch diameter water line by open-cut with restrained joints	LF	240		
150	02511	2-inch diameter DIP water line by open-cut with restrained joints	LF	21		
151	02511	6-inch diameter DIP water line by open-cut with restrained joints	LF	96		
152	02511	8-inch diameter DIP water line by open-cut with restrained joints	LF	115		
153	02511	12-inch diameter DIP water line by open-cut with restrained joints	LF	269		
154	02511	16-inch diameter plug and clamp	EA	1		
155	02511	8-inch diameter water line by trenchless construction	LF	176		
156	02511	12-inch diameter water line by trenchless construction	LF	3656		
157	02511	12-inch diameter water line by trenchless construction with restrained joints	LF	36		
158	02511	6-inch diameter water line by trenchless construction within limits of PPCA	LF	38		
159	02511	6-inch diameter water line by open-cut with restrained joints within limits of PPCA	LF	64		
160	02511	8-inch diameter water line by open-cut with restrained joints within limits of PPCA	LF	75		

161	02511	12-inch diameter water line by trenchless construction within limits of PPCA	LF	345		
162	02511	12-inch diameter DIP water line by open-cut with restrained joints within limits of PPCA	LF	35		
163	02511	12-inch diameter water line in steel casing by trenchless construction within limits of PPCA	LF	20		
164	02512	3/4-inch to 1-inch diameter water taps and copper service line with meter box, short side	EA	134		
165	02512	3/4-inch to 1-inch diameter watertaps and copper service line with meter box, long side	EA	37		
166	02512	1 1/2-inch to 2-inch diameter water taps and copper service line with meter box, short side	EA	6		
167	02512	1 1/2-inch to 2-inch diameter watertaps and copper service line with meter box, long side	EA	6		
168	02513	2-inch diameter wet connection	EA	3		
169	02513	6-inch diameter wet connection	EA	7		
170	02513	8-inch diameter wet connection	EA	12		
171	02513	16-inch diameter wet connection	EA	2		
172	02516	Cut, plug, and abandon existing 2-inch diameter water line	EA	5		
173	02516	Cut, plug, and abandon existing 6-inch diameter water line	EA	4		
174	02516	Cut, plug, and abandon existing 8-inch diameter water line	EA	13		
175	02520	6-inch diameter fire hydrant branch by trenchless construction	LF	105		
176	02520	Fire hydrant assembly, all depths, including 6-inch diameter gate valve and box	EA	15		
177	02520	Remove and salvage existing fire hydrant	EA	12		

178	02752S	Saw Cutting	LF	620		
WASTEWATER						
179	02082	4-foot diameter precast concrete manholes	EA	5		
180	02082	Extra depth, 4-foot diameter precast concrete manhole	VF	22		
181	02086	Adjustment of existing manhole and frame and cover to new grade	EA	16		
182	02222	Abandon and fill 12-inch diameter sewer	LF	20		
183	02531	Remove and dispose - 12-inch diameter sanitary sewer	LF	1500		
184	02531	12-inch diameter sanitary sewer, by open-cut	LF	790		
185	02555	Manhole Rehabilitation	VF	214		

CUSTOM						
TOTAL BASE UNIT PRICES						

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C. EXTRA UNIT PRICE TABLE:

Item No.	Spec. Ref.	Extra Unit Short Title	Unit of Measure	Estimated Quantity	Unit Price (this column controls)	Total in figures
186	02221	Remove miscellaneous concrete and masonry	CY	10	$50 (2)	$500 (2)
187	02317	6" Overexcavate trench bottom	LF	100	$1 (2)	$100 (2)
188	02318	Extra cement-stabilized sand	CY	100	$25 (2)	$2,500 (2)
189	02318	Extra placement of granular fill	CY	100	$20 (2)	$2,000 (2)
190	02318	Extra placement of backfill material	CY	100	$20 (2)	$2,000 (2)
191	02318	Extra machine excavation	CY	100	$20 (2)	$2,000 (2)
192	02318	Extra hand excavation	CY	100	$20 (2)	$2,000 (2)
193	02318	Excavation around obstructions	CY	100	$20 (2)	$2,000 (2)
194	02501	Extra ductile Iron compact fittings in place	TON	1	$100 (2)	$100 (2)
195	03315	Extra class "A" concrete with or without forms	CY	50	$75 (2)	$3,750 (2)
TOTAL EXTRA UNIT PRICES						

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D. CASH ALLOWANCE TABLE:

Item No.	Spec. Ref.	Cash Allowance Short Title	Cash Allowance in figures (1)
196	CA	Electrical Risers (Commercial)	$10,000
197	CA	Electrical Risers (Residential)	$10,000
198	CNP	CenterPont Lighting	$28,222
TOTAL CASH ALLOWANCES			$48,222

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E. ALTERNATES TABLE:

Item No.	Spec. Ref.	Alternate Short Title	Unit of Measure	Estimated Quantity	Unit Price (this column controls)	Total Price for Alternate in figures
[1]		[N/A if no Alternate used]				
TOTAL ALTERNATES						

REST OF PAGE INTENTIONALLY LEFT BLANK

F. TOTAL BID PRICE: $ _____
(Add Totals for Items A., B., C., D., and E. above)

2.0 SIGNATURES: By signing this Document, I agree that I have received and reviewed all Addenda and considered all costs associated with the Addenda in calculating the Total Bid Price.

Bidder: _____
(Print or type full name of your proprietorship, partnership, corporation, or joint venture.*)

**By: _____
Signature Date

Name: _____
(Print or type name) Title

Address: _____
(Mailing)

_____
(Street, if different)

Telephone and Fax Number: _____
(Print or type numbers)

* If Bid is a joint venture, add additional Bid Form signature sheets for each member of the joint venture.

** Bidder certifies that the only person or parties interested in this offer as principals are those named above. Bidder has not directly or indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding.

Note: This document constitutes a government record, as defined by § 37.01 of the Texas Penal Code. Submission of a false government record is punishable as provided in § 37.10 of the Texas Penal Code.

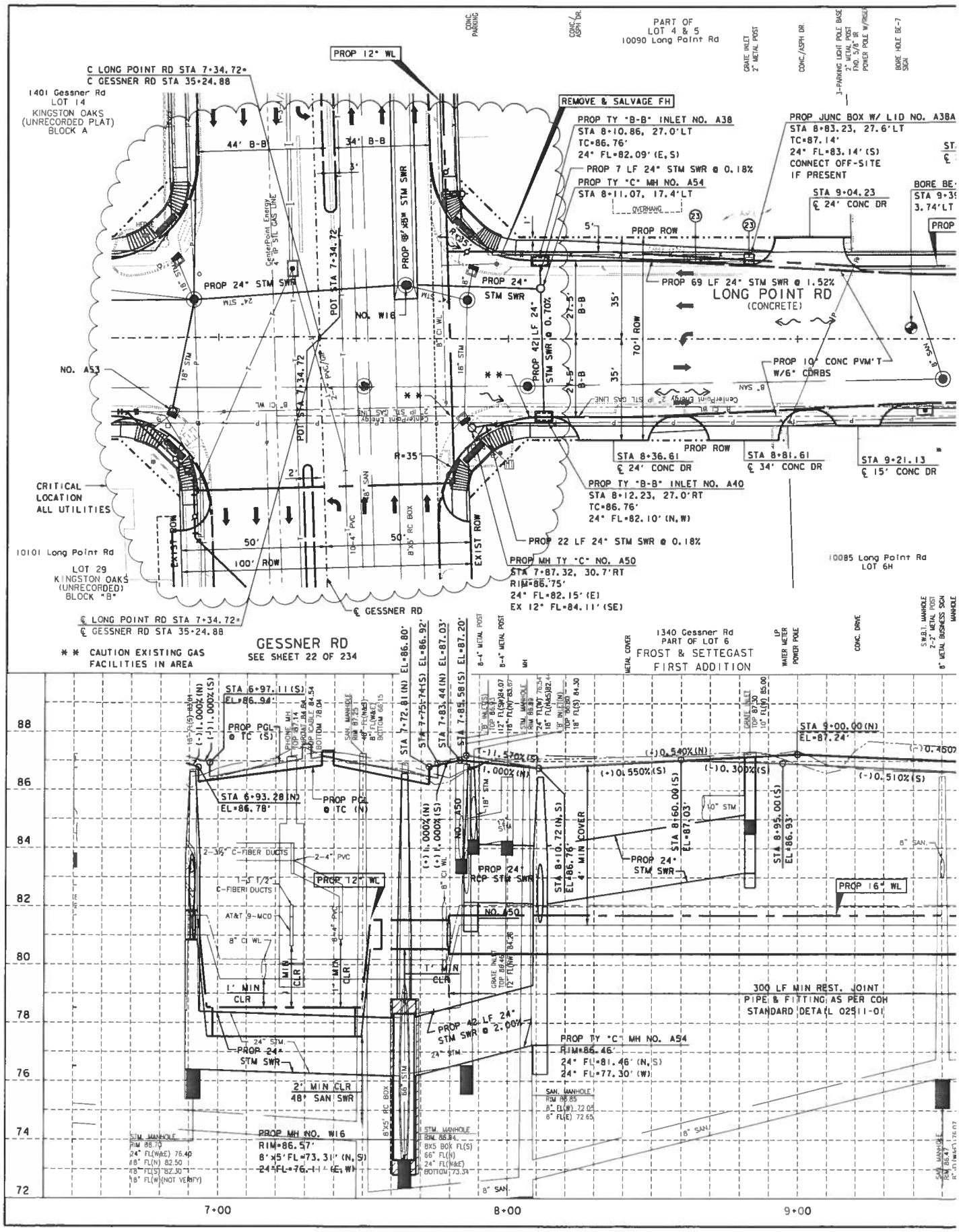
Footnotes for Tables B through E:

(1) Fixed Unit Price determined prior to Bid. Cannot be adjusted by the Bidder.

(2) Minimum Bid Price determined prior to Bid. Can be increased by the Bidder by crossing out the Minimum and noting revised price on the line above.

(3) Maximum Bid Price determined prior to Bid. Can be decreased but not increased by Bidder by crossing out the Maximum and noting revised price on the line above. A Bid that increases the Maximum Bid Price may be found non-conforming and non-responsive.

(4) Fixed Range Bid Price determined prior to Bid. Unit Price can be adjusted by Bidder to any amount within the range defined by crossing out prices noted and noting revised price on the line above.


PART OF
LOT 4 & 5
10090 Long Point Rd
PROP 12" WL
C LONG POINT RD STA 7+34.72=
C GESSNER RD STA 35+24.88
1401 Gessner Rd
LOT 14
KINGSTON OAKS
(UNRECORDED PLAT)
BLOCK A
REMOVE & SALVAGE FH
PROP TY "B-B" INLET NO. A38
STA 8+10.86, 27.0'LT
TC=86.76'
24" FL=82.09' (E,S)
PROP 7 LF 24" STM SWR @ 0.18%
PROP TY "C" MH NO. A54
STA 8+11.07, 17.4'LT
PROP JUNC BOX W/ LID NO. A38A
STA 8+83.23, 27.6'LT
TC=87.14'
24" FL=83.14' (S)
CONNECT OFF-SITE
IF PRESENT
STA 9+04.23
℄ 24' CONC DR
PROP ROW
PROP 24" STM SWR
PROP 69 LF 24" STM SWR @ 1.52%
LONG POINT RD
(CONCRETE)
NO. W16
NO. A53
PROP 42 LF 24" STM SWR @ 0.70%
PROP 10' CONC PVM'T W/6" CDRBS
STA 8+36.61
℄ 24' CONC DR
STA 8+81.61
℄ 34' CONC DR
STA 9+21.13
℄ 15' CONC DR
CRITICAL
LOCATION
ALL UTILITIES
PROP TY "B-B" INLET NO. A40
STA 8+12.23, 27.0'RT
TC=86.76'
24" FL=82.10' (N,W)
PROP 22 LF 24" STM SWR @ 0.18%
10101 Long Point Rd
LOT 29
KINGSTON OAKS
(UNRECORDED)
BLOCK "B"
PROP MH TY "C" NO. A50
STA 7+87.32, 30.7'RT
RIM=86.75'
24" FL=82.15' (E)
EX 12" FL=84.11' (SE)
10085 Long Point Rd
LOT 6H
℄ GESSNER RD
℄ LONG POINT RD STA 7+34.72=
℄ GESSNER RD STA 35+24.88
** CAUTION EXISTING GAS
FACILITIES IN AREA
GESSNER RD
SEE SHEET 22 OF 234
1340 Gessner Rd
PART OF LOT 6
FROST & SETTEGAST
FIRST ADDITION
STA 6+97.11 (S)
EL=86.94'
PROP PGL @ TC (S)
STA 6+93.28 (N)
EL=86.78'
PROP PGL @ TC (N)
STA 7+72.81 (N) EL=86.80'
STA 7+75.74 (S) EL=86.92'
STA 7+83.44 (N) EL=87.03'
STA 7+85.58 (S) EL=87.20'
STA 9+00.00 (N)
EL=87.24'
(-)1.570% (S)
(+)0.540% (N)
(+)0.550% (S)
(-)0.300% (S)
(-)0.510% (S)
STA 8+60.00 (S)
EL=87.03'
STA 8+95.00 (S)
EL=86.93'
STA 8+10.72 (N,S)
EL=86.76'
4' MIN COVER
PROP 24" RCP STM SWR
PROP 24" STM SWR
PROP 12" WL
PROP 16" WL
NO. A50
300 LF MIN REST. JOINT
PIPE & FITTING AS PER COH
STANDARD DETAIL 02511-01
PROP 42 LF 24" STM SWR @ 2.00%
PROP TY "C" MH NO. A54
RIM=86.46'
24" FL=81.46' (N,S)
24" FL=77.30' (W)
PROP 24" STM SWR
2' MIN CLR
48" SAN SWR
PROP MH NO. W16
RIM=86.57'
8'x5' FL=73.31' (N,S)
24" FL=76.11' (E,W)
7+00
8+00
9+00
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