

Document 00911

NOTICE OF  
ADDENDUM NO. 3

Date of Addendum: January 26, 2015

PROJECT NAME: Buffalo Speedway Paving and Drainage from West Airport to Holmes

PROJECT NO: N-000784-0001-4

BID DATE: January 29, 2015 (There is no change to the Bid Date.)

FROM: Ravi Kaleyatodi, P.E., CPM, Senior Assistant Director  
City of Houston, Department of Public Works and Engineering,  
611 Walker Street  
Houston, Texas 77002

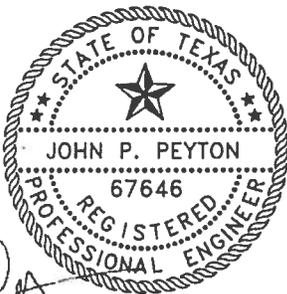
Attn: Stephen Campagna, Project Manager

TO: Prospective Bidders

This Addendum includes:

ADDENDUM SYNOPSIS

- Changes to Project Manual
  - Contract Forms
  - General Requirements
- Changes to Drawings
- Clarifications



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1-26-2015

DATED:

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*Sinc*  
*JK*

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

END OF DOCUMENT

Document 00910

ADDENDUM NO.  3

Date of Addendum:  January 26, 2015

PROJECT NAME:  Buffalo Speedway Paving and Drainage from West Airport to Holmes

PROJECT NO:  N-000784-0001-4

BID DATE:  January 29, 2015  (There is no change to the Bid Date.)

FROM:  J. Timothy Lincoln , P.E., City Engineer  
City of Houston,  Department of Public Works and Engineering ,  
 611 Walker Street   
Houston, Texas 77002

Attn:  Stephen Campagna , 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

1. Document 00410 – Bid Form Part A and Bid Form Part B. Remove the entire Document 00410 – Bid Form Part A and Bid Form Part B from the contract documents and replace the entire Document 00410 – Bid Form Part A and Bid Form Part B from this addendum.
2. Document 01110 – Summary of Work. Remove the entire Document 01110 – Summary of Work and replace with the entire Document 01110 – Summary of Work.

#### CHANGES TO DRAWINGS

1. Revised Sheets 86, 87 and 93 Buffalo Speedway Cross-Sections.

CLARIFICATIONS

Question 1: Is the quantity for Bid Item 115 correct?

Answer 1: The quantity for Bid Item 115 has been revised.

Question 2: Is Bid Item 115 for transportation and disposal only?

Answer 2: According to COH Specification 02120, payment is only for transportation and disposal of the material when the material cannot be reused as backfill material and must be sent to an approved facility. If the soil can be reused for backfill material, Section 1.02.A states that there will be no separate payment.

Question 3: How is excavation of this material in Bid Item 115 paid?

Answer 3: Payment shall be in accordance with the various bid items for which the excavation is necessary. For example, trench excavation for storm sewer follows Specification 02317 (no additional payment), and roadway excavation is paid according to Specification 02315.

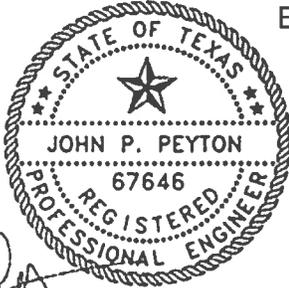
Question 4: How is replacement of this material in Bid Item 115 paid?

Answer 4: Use uncontaminated excess excavated material from other areas. There is no separate pay item.

Question 5: Is there a pond excavation stockpile site?

Answer 5: General Requirements Section 01110 – Summary of Work is revised to provide a contact for information on stockpile sites.

END OF ADDENDUM NO. 3



A handwritten signature in black ink, appearing to be "John P. Peyton", written over the seal.

1-26-2015

RK:SC:JP

DATED:

A handwritten signature in blue ink, appearing to be "Ravi Kaleyatodi", written over the "DATED:" text.

SKC  
JK

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

END OF DOCUMENT

Document 00410A

BID FORM – PART A

To: **The Honorable Mayor and City Council of the City of Houston  
City Hall Annex  
900 Bagby Street  
Houston, Texas 77002**

Project: Buffalo Speedway Paving and Drainage: Holmes Road to West Airport

Project No.: WBS No. N-000784-0001-4

Bidder: \_\_\_\_\_

(Print or type full name of business entity, such as corporation, LLC, etc)

**OFFER**

- A. Total Bid Price:** Having examined the Project location and all matters referred to in Bid Documents for the Project, we, the undersigned, offer to enter into a Contract to perform the Work for the Total Bid Price shown on the signature page of this Document
- B. Security Deposit:** Included with the Bid is a Security Deposit in the amount of 10 percent of the Total Bid Price subject to terms described in Document 00200 – Instructions to Bidders.
- C. Period for Bid Acceptance:** This offer is open to acceptance and is irrevocable for 90 days from Bid Date. That period may be extended by mutual written agreement of the City and Bidder.
- D. Addenda:** All Addenda have been received. Modifications to Bid Documents have been considered and all related costs are included in the Total Bid Price.
- E. Bid Supplements:** The following documents are attached:
  - Security Deposit (*as defined in Document 00200–Instructions to Bidders*)
  - Document 00450 - Bidder's Statement of MWSBE Status
  - Document 00452 - Contractor's Submission List - Fair Campaign Ordinance Form A
  - Document 00453 – Bidder's Statement of Residency (*not required for AIP funded project*)
  - Document 00454 - Affidavit of Non-interest
  - Document 00455 - Affidavit of Ownership or Control
  - Document 00456 - Bidder's Certificate of Compliance with Buy American Program (*required for AIP funded project*)
  - Document 00457 – Conflicts of Interest Questionnaire (CIQ)
  - Document 00458 - Bidder's Certificate Regarding Foreign Trade Restriction (*required for AIP funded project*)
  - Document 00459 - Contractor's Statement Regarding Previous Contracts Subject to EEO (*required for AIP funded project*)
  - Document 00460 – (POP 1) Pay or Play Acknowledgement Form

00410-A1

08-01-2013

ADDENDUM NO. 3

- [X] Document 00470 – Bidder’s MWSBE Participation Plan (*required unless no MWSBE participation goal is provided in Document 00800 (the “Goal”)*).
- [X] Document 00471 – Pre-bid Good Faith Efforts (*required if the goal in Bidder’s Participation Plan–Document 00470 is lower than the Goal*).
- [X] Document 00472 – Bidder’s Goal Deviation Request (*required if the goal in Bidder’s Participation Plan–Document 00470 is lower than the Goal*).
- [X] Others as listed: Valid official letter from OBO with your designation as a City or Local Business (*Bidder’s Participation Hire Houston First*)

**CONTRACT TIME**

- A. If offer is accepted, Contractor shall achieve Date of Substantial Completion within 442 days after Date of Commencement of the Work, subject to adjustments of Contract Time as provided in the Contract.

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:**

**\$N/A**

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

**B. BASE UNIT PRICE TABLE:**

<b>B1. UNIT PRICE-GENERAL ITEMS</b>						
<b>Item No.</b>	<b>Spec Ref.</b>	<b>Base Unit Short Title</b>	<b>Unit of Measure</b>	<b>Estimated Quantities</b>	<b>Unit Price</b>	<b>Total in figures</b>
1	01502	Mobilization	LS	1	\$535,000.00 <sup>(1)</sup>	\$535,000.00 <sup>(1)</sup>
2	01554	Ground Mounted Sign and Post Assembly	EA	28		
3	01555	Traffic Control and Regulation	LS	1	\$27,880.00 <sup>(2)</sup>	\$27,880.00 <sup>(2)</sup>
4	01555	Flagmen	LS	1	\$111,600.00 <sup>(2)</sup>	\$111,600.00 <sup>(2)</sup>
5	01562	Tree and plant protection	LS	1		
6	01570	Inlet Sediment Trap	EA	68		
7	01570	Inlet Protection Barrier	LF	1,224		
8	01570	Filter fabric fence	LF	22,446		
9	01570	Reinforced filter fabric barrier	LF	16,176		
10	01570	Interceptor swale	LF	16,542		
11	01575	Stabilized construction exit	EA	4		
12	01580-01	Standard City of Houston Type III Barricade	EA	6		

Item No.	Spec Ref.	Base Unit Short Title	Unit of Measure	Estimated Quantities	Unit Price	Total in figures
13	02221	Remove and Dispose City of Houston Standard Type III Barricade	EA	2		
14	02221	Demolition of existing foundation, equipment, and materials (Reqr'd Locations) ( STA 180+50 to 182+50, STA 184+90 to 186+25)	SY	3,500		
15	02221	Remove Existing Utility Pole Foundation	EA	3		
16	02221	Remove And Dispose of Miscellaneous 3" to 4" shallow piping including capping	LF	390		
17	02233	Clearing and grubbing	AC	62		
18	02260	Trench safety system for trench excavations	LF	21,130		
19	02915	Plant 1.5 inch Tree with 15 gallon container	EA	431		
20	02915	Water trees 1st two years	EA	431		
21	02921	Hydromulch seeding	AC	47		
22	02922	Sodding	SY	6,921		
<b><u>TOTAL GENERAL ITEMS</u></b>						\$ _____

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<b>B2. UNIT PRICE-PAVING ITEMS</b>						
<b>Item No.</b>	<b>Spec Ref.</b>	<b>Base Unit Short Title</b>	<b>Unit of Measure</b>	<b>Estimated Quantities</b>	<b>Unit Price</b>	<b>Total in figures</b>
23	02315	Roadway Excavation with or without subgrade	CY	<u>23,304</u>		
24	02315	Embankment Fill	CY	<u>11,472</u>		
25	02336	Lime for Lime stabilized Subgrade (4% DRY WEIGHT)	TON	863		
26	02336	Lime Stabilized Subgrade 8-inch thick	SY	57,494		
27	02581	Conduit 2-inch Sch 40 PVC	LF	15,700		
30	02711	Hot Mix Asphalt Base Course (Type A/B) / All Thickness	TON	2,184		
31	02741	Hot Mix Asphalt Concrete Pavement 2-inch thick	TON	472		
32	02751	Reinforced Concrete Pavement 9-inch thick	SY	50,779		
33	02752	Street Pavement Expansion Joint with Load transfer	LF	6,640		
34	02752	Horizontal Dowels, 18-inch	EA	578		
35	02752S	Saw Cutting	LF	102		
36	02754	Concrete Driveways including Excavation 6-inch thick	SF	703		
37	02762	Blast cleaning pavement markers 4-inch wide lines	LF	840		
38	02762	Blast cleaning pavement markers 8-inch wide lines	LF	840		
39	02764	Raised Pav Marker TY II Two face Reflective (C/R)	EA	560		
40	02764	Raised Pav Marker TY II Two face Reflective (A/A)	EA	525		
41	02767	Thermoplastic Pavement Marking 4-inch wide White (SLD)	LF	400		

Item No.	Spec Ref.	Base Unit Short Title	Unit of Measure	Estimated Quantities	Unit Price	Total in figures
42	02767	Thermoplastic Pavement Marking 4-inch wide Yellow (SLD)	LF	4,000		
43	02767	Thermoplastic Pavement Marking 4-inch wide White (BRK)	LF	6,500		
44	02767	Thermoplastic Pavement Marking 4-inch wide White (DOT)	LF	200		
45	02767	Thermoplastic Pavement Marking 4-inch wide Yellow (DOT)	LF	90		
46	02767	Thermoplastic Pavement Marking Med Nose Yellow TYPE II	EA	22		
47	02767	Thermoplastic Pavement Marking 8-inch wide White (SLD)	LF	1,325		
48	02767	Thermoplastic Pavement Marking 8-inch wide Yellow (SLD)	LF	780		
49	02767	Thermoplastic Pavement Marking 12-inch wide White (SLD)	LF	590		
50	02767	Thermoplastic Pavement Marking 12-inch wide White (DOT)	LF	110		
51	02767	Thermoplastic Pavement Marking 12-inch wide Yellow (SLD) TYPE II	LF	675		
52	02767	Thermoplastic Pavement Marking 24-inch wide White (SLD)	LF	350		
53	02767	Thermoplastic Pavement Marking 24-inch wide Yellow (SLD)	LF	800		
54	02767	Thermoplastic Pavement Marking symbol COMBINED ARROW	EA	19		
55	02767	Thermoplastic Pavement Marking Elongated Word ONLY	EA	11		
56	02771	6-Inch Concrete Curb (Monolithic)	LF	30,119		
57	02771	Roll Over Curb (4"x12")	LF	534		
58	02771	Concrete Paving Header	LF	45		

Item No.	Spec Ref.	Base Unit Short Title	Unit of Measure	Estimated Quantities	Unit Price	Total in figures
59	02771	Modified Concrete Paving Header	LF	531		
60	02772	Black Reinforced Concrete Median Nose	SY	1,440		
61	02775	Sidewalk 4-1/2-inch thick	SF	79,513		
62	02775	Curb Ramp	SF	760		
63	02960	Milling Asphalt pavement up to 2-inches	SY	3,216		
64	16710	Pull Boxes	EA	7		
<b><u>TOTAL PAVING ITEMS</u></b>						\$ _____

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<b>B3. UNIT PRICE-STORM SEWER ITEMS</b>						
<b>Item No.</b>	<b>Spec Ref.</b>	<b>Base Unit Short Title</b>	<b>Unit of Measure</b>	<b>Estimated Quantities</b>	<b>Unit Price</b>	<b>Total in figures</b>
65	02082/ 02087	Type C manhole for 42-inch diameter and smaller sewers	EA	17		
66	02082/ 02087	Type C manhole for 48-inch to 72-inch diameter sewers	EA	2		
67	02315	Construction of roadside ditch	LF	6,604		
68	HCFC 02315	Excavation of drainage pond (ponds A, B, C &D)	CY	81,064		
69	HCFC 02315	Pond Embankment	CY	12,419		
70	HCFC 02378	Rip-rap Gradation No. 2, 24-inch thick mat	SY	2,860		
71	02631	36-inch diameter culvert w/ 4:1 SET's	LF	55		
72	02631	24-inch diameter storm sewer by open cut	LF	63		
73	02631	30-inch diameter storm sewer by open cut	LF	562		
74	02631	36-inch diameter storm sewer by open cut	LF	2,271		
75	02631	42-inch diameter storm sewer by open cut	LF	1,093		
76	02631	48-inch diameter storm sewer by open cut	LF	451		
77	02631	4-foot by 2-foot box storm sewer by open cut	LF	102		
78	02631	4-foot by 3-foot box storm sewer by open cut	LF	181		
79	02631	5-foot by 3-foot box storm sewer by open cut	LF	301		
80	02631	5-foot by 4-foot box storm sewer by open cut	LF	259		
81	02631	6-foot by 4-foot box storm sewer by open cut	LF	1,772		
82	02631	10-foot by 5-foot box storm sewer by open cut	LF	251		

Item No.	Spec Ref.	Base Unit Short Title	Unit of Measure	Estimated Quantities	Unit Price	Total in figures
83	02631	24-inch diameter CMP storm sewer outfall	LF	1,444		
84	02631	54-inch diameter CMP storm sewer outfall	LF	48		
85	02631	60-inch diameter CMP storm sewer outfall	LF	<u>69</u>		
86	02631	66-inch diameter CMP storm sewer outfall	LF	54		
87	02631	B/S Int Structure w/ 24-inch diameter CMP outfall	EA	26		
88	02631	48-inch diameter CMP storm sewer outfall including timber bent	LF	260		
89	02631	54-inch diameter CMP storm sewer outfall including timber bent	LF	<u>516</u>		
90	02633	24-inch diameter storm sewer lead	LF	<u>1,305</u>		
91	02633	Type E inlet (Pre Cast)	EA	4		
92	02633	Type C inlet	EA	2		
93	02633	Type C-1 inlet	EA	<u>28</u>		
94	02633	Type C-1 inlet (Modified)	EA	6		
<u>95</u>	<u>02633</u>	<u>Junction Box at STA 604+77.34 &amp; 605+11.34</u>	<u>EA</u>	<u>2</u>		
96	02633	Junction Box with lid or grate top for storm sewer	EA	<u>10</u>		
97	02633	XL Junction Box with lid or grate top for storm sewer	EA	<u>5</u>		
<b><u>TOTAL STORM SEWER ITEMS</u></b>						\$ _____

<b>B4. UNIT PRICE-WATER ITEMS</b>						
<b>Item No.</b>	<b>Spec Ref.</b>	<b>Base Unit Short Title</b>	<b>Unit of Measure</b>	<b>Estimated Quantities</b>	<b>Unit Price</b>	<b>Total in figures</b>
98	02082	Extra Depth Manhole	VF	7		
99	02082	Service manhole for air valve	EA	3		
100	02086	Adjust existing manhole frame and cover to new grade	EA	1		
101	02511	24-inch diameter DIP water line, by open-cut with restrained joints	LF	<u>8,350</u>		
102	02511	24-inch diameter DIP water line in steel casing, by trenchless construction with restrained joints	LF	<u>313</u>		
103	02511	Removal of 16-inch blind flange	EA	1		
104	02511	Remove 24-inch diameter internal elliptical or dished head plug	EA	1		
105	02513	16-inch diameter wet connection	EA	1		
106	02513	24-inch diameter wet connection	EA	1		
107	02520	6-inch diameter fire hydrant branch by open-cut	LF	<u>343</u>		
108	02520	Fire hydrant assembly, all depths, including 6-inch diameter gate valve and box	EA	23		
109	02522	24-inch diameter butterfly valve	EA	<u>3</u>		
110	02524	2-inch diameter combination air valve assembly	EA	<u>2</u>		
111	16640	Cathodic Protection System	LS	1		
<b><u>TOTAL WATER ITEMS</u></b>						<b>\$ _____</b>

<b>B5. UNIT PRICE-POTENTIAL PETROLEUM CONTAMINATED AREA ITEMS</b>						
<b>Item No.</b>	<b>Spec Ref.</b>	<b>Base Unit Short Title</b>	<b>Unit of Measure</b>	<b>Estimated Quantities</b>	<b>Unit Price</b>	<b>Total in figures</b>
112	01570	Interceptor swale, within limits of PPCA	LF	352		
113	02082/ 02087	Type C manhole for 42-inch diameter and smaller sewers, within limits of PPCA	EA	2		
114	02105	Preparatory work for sampling and analysis in Potentially Petroleum Contaminated Area (PPCA)	LS	1		
115	02120	Transportation and disposal of <u>Class II (COH Category I) soils</u>	CY	<u>6905</u>		
116	02260	Trench safety system for trench excavations within limits of PPCA	LF	1067		
<u>117</u>	<u>02315</u>	<u>Roadway Excavation with or without subgrade, within limits of PPCA</u>	<u>CY</u>	<u>1920</u>		
118	02315	Construction of roadside ditch, within limits of PPCA	LF	158		
119	<u>HCFCD</u> <u>02315</u>	<u>Excavation of drainage pond (ponds A, B, C &amp;D), within limits of PPCA</u>	CY	<u>730</u>		
120	HCFCD 02378	Rip-rap Gradation No. 2, 24-inch thick mat, within limits of PPCA	SY	300		
121	02511	24-inch diameter DIP water line by open-cut with restrained joints, within limits of PPCA	LF	<u>335</u>		
<u>122</u>	<u>02511</u>	<u>24-inch diameter DIP water line with steel casing by trenchless construction with restrained joints, within limits of PPCA</u>	<u>LF</u>	<u>65</u>		
123	02520	Fire hydrant assembly, all depths, including 6-inch diameter gate valve and box within limits of PPCA	EA	2		
124	02520	6-inch diameter fire hydrant branch by open-cut within limits of PPCA	LF	32		
125	02522	24-inch diameter butterfly valve, within limits of PPCA	EA	1		

Item No.	Spec Ref.	Base Unit Short Title	Unit of Measure	Estimated Quantities	Unit Price	Total in figures
126	02524	2-inch diameter combination air valve assembly, within limits of PPCA	EA	1		
127	02631	36-inch diameter storm sewer by open cut, within limits of PPCA	LF	296		
128	02631	60-inch diameter CMP storm sewer outfall, within limits of PPCA	LF	55		
129	02631	54-inch diameter CMP storm sewer outfall including timber bent, within limits of PPCA	LF	200		
130	02633	24-inch diameter storm sewer lead, within limits of PPCA	LF	84		
131	02633	Type C-1 inlet, within limits of PPCA	EA	2		
132	02633	XL Junction Box with lid or grate top for storm sewer, within limits of PPCA	EA	1		
<b><u>TOTAL POTENTIAL PETROLEUM CONTAMINATED AREA ITEMS</u></b>						\$ _____

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**C. EXTRA UNIT PRICE TABLE:**

Item No.	Spec Ref.	Extra Unit Short Title	Unit of Measure	Estimated Quantities	Unit Price	Total in figures
133	01578	Ground Water Control for open-cut construction	LF	1000	\$25.00 <sup>(2)</sup>	
134	02317	6" Over excavate trench bottom	LF	200	\$15.00 <sup>(2)</sup>	
135	02318	Excavation around obstructions	CY	200	\$10.00 <sup>(2)</sup>	
136	02318	Extra hand excavation	CY	200	\$10.00 <sup>(2)</sup>	
137	02318	Extra machine excavation	CY	200	\$15.00 <sup>(2)</sup>	
138	02318	Extra placement of backfill material	CY	200	\$25.00 <sup>(2)</sup>	
139	02318	Extra cement-stabilized sand	CY	200	\$35.00 <sup>(2)</sup>	
<b><u>TOTAL EXTRA UNIT ITEMS</u></b>						\$ _____

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**D. CASH ALLOWANCE TABLE:**

<b>Item No.</b>	<b>Spec Ref.</b>	<b>Cash Allowance Short Title</b>	<b>Cash Allowance in figures (1)</b>
140	01110	HCFCF Permit Fee	\$1,000.00
141	01110	Floodplain Development Permit Fee	\$1,000.00
142	01110	Lane Closure Permit Fee	\$250.00
143	01110	Street Cut Permit Fee	\$1,000.00
144	01110	Union Pacific Boring and ROE Permits	\$5,000.00
145	01110	Union Pacific Flagman Fee	\$37,800.00
146	<u>RRC / TCEQ</u>	<u>Demolish, cap and abandon wells per Texas Railroad Commission (or TCEQ) regulations</u>	<u>\$30,000.00</u>
147	02581	Street Lighting	\$26,570.00
<b><u>TOTAL CASH ALLOWANCE ITEMS</u></b>			<b><u>\$102,620.00</u></b>

**E. ALTERNATES TABLE:**

<b>Item No.</b>	<b>Spec Ref.</b>	<b>Alternate Short Title</b>	<b>Total Price for alternate in figures</b>
		NONE	
<b><u>TOTAL ALTERNATES</u></b>			<b><u>\$0.00</u></b>

**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.

Section 01110

SUMMARY OF WORK

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Summary of the Work including work by the City, City-furnished Products, work sequence, future work, Contractor use of Premises, special conditions for substantial completion and City occupancy.
- B. The purpose of the project is to construct a major thoroughfare that will improve circulation, mobility and drainage in the service area. These improvements will upgrade existing roadway to Major Thoroughfare Freeway Plan (MTFP) standards.

1.02 WORK COVERED BY CONTRACT DOCUMENTS

- A. Work of the Contract is for construction of pavement, storm sewer, detention ponds, and large diameter water line along or in the vicinity of proposed Buffalo Speedway.
- B. Proposed pavement for Buffalo Speedway consists of a four-lane boulevard with 9-inch reinforced concrete pavement on a 9-inch stabilized subgrade. Proposed pavement for the Buffalo Speedway at-grade connector to Holmes Road consists of a four-lane undivided roadway.
- C. Holmes Road widening is in the vicinity of the Buffalo Speedway at-grade intersection. The existing asphalt roadway shall be milled and widened with black base. Level-up course and final surface course overlays shall be applied to the full width of the proposed section.
- D. The proposed storm sewer system consists of approximately 1400 LF of 24-inch storm sewer including inlet leads, 560 LF of 30-inch storm sewer, 2600 LF of 36-inch storm sewer, 1100 LF of 42-inch storm sewer, and 450 LF of 48-inch storm sewer. The proposed storm sewer also includes approximately 180 LF of 4-ft. x 3-ft. storm box, 300 LF of 5-ft. x 3-ft. storm box, 260 LF of 5-ft. x 4-ft. storm box, and 1800 LF of 6-ft. x 4-ft. storm box. All sewers are to be constructed by open-cut methods, except where noted on plans. Proposed storm sewer appurtenances include manholes, Type "E" inlets, Type "C" curb inlets and junction boxes.
- E. Drainage work includes the excavation of a drainage swale in an easement adjacent to the west right-of-way line of Buffalo Speedway. The work also includes the excavation of four detention ponds between Buffalo Speedway and Harris County Flood Control Unit C161-00-00. One of the ponds includes approximately 250 LF of 10-ft. x 5-ft. storm box and 100 LF of 4-ft. x 2-ft. storm box culvert for a pipeline crossing. Outfalls for the ponds consist of approximately 1450 LF of 24-inch CMP, 260 LF of 48-inch CMP, 780 LF of 54-inch CMP, and 120 LF of 60-inch CMP, 60 LF of 66-inch CMP.
- F. Project will provide a designated area (to be determined) on adjacent private property for stockpile of excavated soil. Contractor shall coordinate location for stock pile sites with David Hawes, point of contact for Municipal Utility District No. 498 at (713) 595-1209.
- G. Proposed water line consists of a 24-inch ductile iron pipe with restrained

**SUMMARY OF WORK**

joints, valves, fittings, fire hydrants with 6-inch branches, and wet connections to existing water lines. The proposed water line connects to an existing 16-inch water line south of Airport Boulevard. The proposed water line connects to an existing 24-inch water line at the intersection of Buffalo Speedway and Willowbend Road (approximately 1000 feet north of Holmes Road). The water line will be constructed by open-cut methods, except where noted on the plans. Trenchless construction will be used at petroleum pipeline crossings and to cross Holmes Road and the Union Pacific Railroad.

- H. Street lights conduit and pullboxes are included in the project.
- I. Construct new 4½-inch thick concrete sidewalks, and wheelchairs ramps, that are compliant with the Americans with Disabilities Act (ADA) and the Texas Accessibility Standards (TAS).
- J. Other components of the project include traffic control, permanent signage and striping, storm water pollution prevention measures, tree removal, and implementation of a Tree Protection Plan.

1.03 CASH ALLOWANCES

- A. Include the following specific Cash Allowances in Contract Price under provision of General Conditions Paragraph 3.11:

1. Harris County Flood Control District (HCFCD) Permit Fee.....	\$1,000.00
2. Floodplain Development Permit Fee.....	\$1,000.00
3. Lane Closure Permit Fee.....	\$250.00
4. Street Cut Permit Fee.....	\$1,000.00
5. Union Pacific Boring and ROE Permits .....	\$5,000.00
6. Union Pacific Flagman Fee .....	\$37,800.00
7. <u>Demolish, cap and abandon wells per</u>	
<u>Texas RRC (or TCEQ) regulations .....</u>	<u>\$30,000.00</u>
8. Street Lighting.....	\$26,570.00

- B. Union Pacific Railroad (UPRR) – the contractor will be required to apply and receive all required UPRR permits from UPRR directly. The fees associated with these permits will be reimbursed to the contractor as a cash allowance.
  - 1. The contractor is responsible for scheduling all UPRR Flagmen directly with UPRR, as required. Item 145 of Document 00410 includes the maximum reimbursement amount allowed for UPRR Flagmen.
  - 2. It is the contractor’s responsibility to schedule UPRR Flagmen such that the Cash Allowance amount is not exceeded, per the General Condition Document 00700, Article 3.11.2. Typically, UPRR Flagmen are billed on a per day basis (regardless of how many hours they are needed) and typically they can only be rescheduled approximately a week in advance.

1.04 ALTERNATES

- A. From the following list of Alternates, amount included in Contract Price for only those Alternates accepted by the City and listed in the fully executed Document 00520 – Agreement, Paragraph 3.2:

Not Applicable

1.05 CITY-FURNISHED PRODUCTS

- A. Items Furnished by the City for Installation and final connection by Contractor:  
None.
- B. Contractor's Responsibilities: Contractor will supply all new construction materials.
  - 1. Arrange and pay for Product delivery to the site.
  - 2. Receive and unload Products at the site; jointly with the City, inspect for completeness or damage.
  - 3. Handle, store, Install, and finish Products.
  - 4. Repair or replace damaged items.

1.06 WORK SEQUENCE

- A. There will be no Construction Phasing during the construction period.
- B. For projects with no Phases, do not disturb more than 50% of total project linear feet of disturbed right-of-way and easement until site restored in accordance with Section 01740 – Site Restoration.
- C. Coordination of the Work: Refer to Section 01312 - Coordination and Meetings.

1.07 CONTRACTOR USE OF PREMISES

- A. Comply with procedures for access to the site and Contractor's use of rights-of-way as specified in Section 01145 - Use of Premises.
- B. Construction Operations: Limited to the City's rights-of-way provided by the City and areas shown or described in the Contract documents.
- C. Utility Outages and Shutdown: Provide a minimum of 48 hours notice to the City and private utility companies (when applicable), excluding weekends and holidays, in advance of required utility shutdown. Coordinate all work as required.
- D. Private Utility Relocations: Pursuant to Section 40-395 of the City of Houston (City) Utility Relocation Ordinance Program (URO), and based upon the best information provided by the private facility owners, all required utility work has been completed.

1.08 STREET CUT ORDINANCE

- A. Excavations on or under pavement in the City's right-of-way must have a permit. Comply with City of Houston, Texas Ordinance No. 2000-1115, an ordinance amending Chapter 40 of the Code of Ordinances, Houston, Texas, relating to excavating in the Public right-of-way.
- B. Comply with the latest edition of street cut New Pavement Repair and

**SUMMARY OF WORK**

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Pavement Replacement details.

C. Quantities are included for street cut pavement repair and replacement in applicable Specification sections for Unit Price contracts.

D. Include payment for street cut pavement repair and replacement in lump sum bid for Stipulated Price contracts.

1.09 WARRANTY

A. Comply with warranty requirements in accordance with Document 00700 - General Conditions.

1.10 ADDITIONAL CONDITIONS FOR SUBSTANTIAL COMPLETION

A. In addition to requirements outlined in Document 00700 – General Conditions, for Contractor to be substantially complete with the Work and call for inspection by Project Manager to confirm, the following conditions must be met or completed:

1. All Safety related work including pavement stripping, signing and signalization:
  - a. All safety-related systems and equipment shall be installed, accepted by manufacture's representative and approved for use.
2. All pay items complete report.
3. Contractor shall contact Construction Project Manager to complete Texas Department of Licensing and Regulation Post Construction Inspection of pedestrian elements for Texas Accessibility Standards.

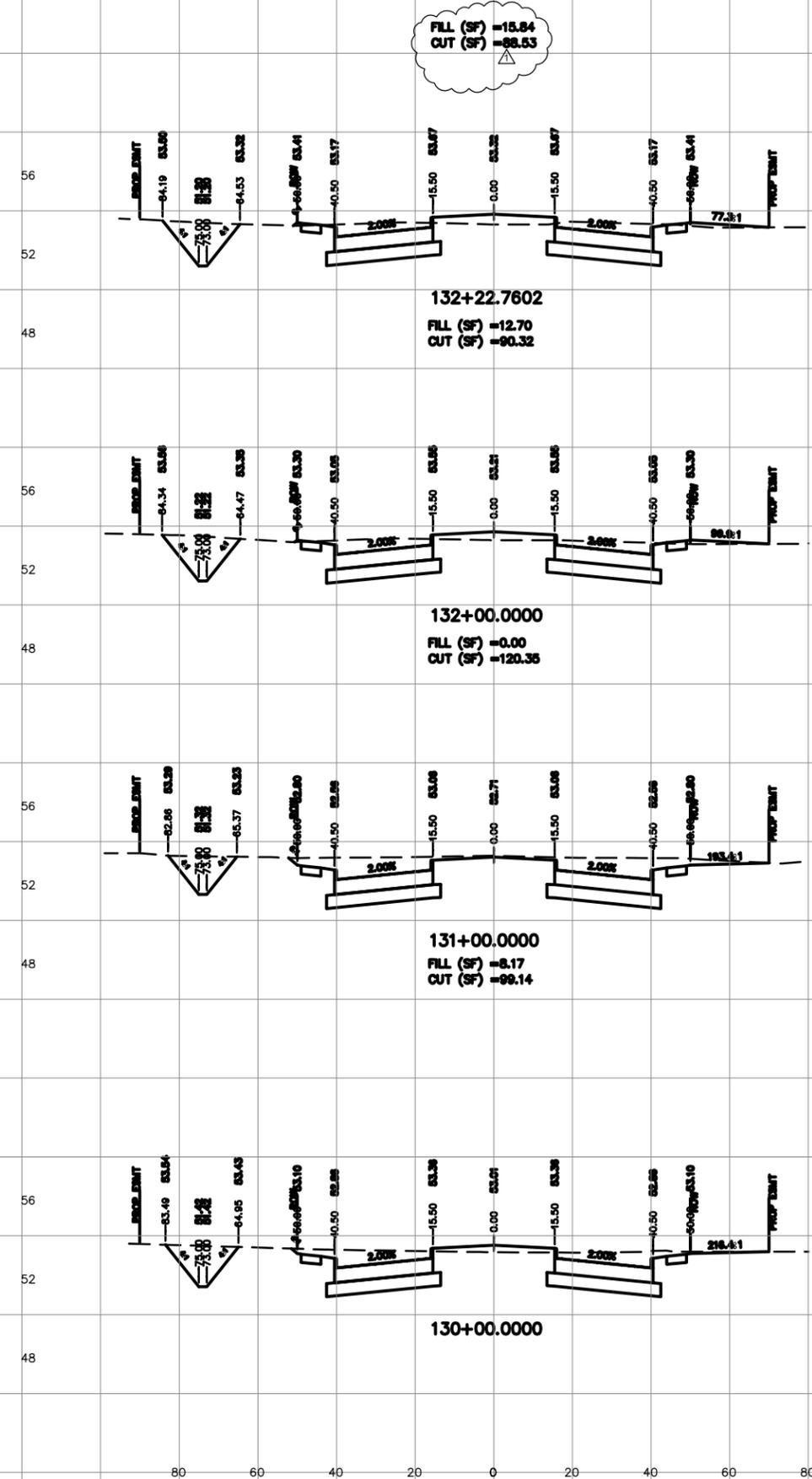
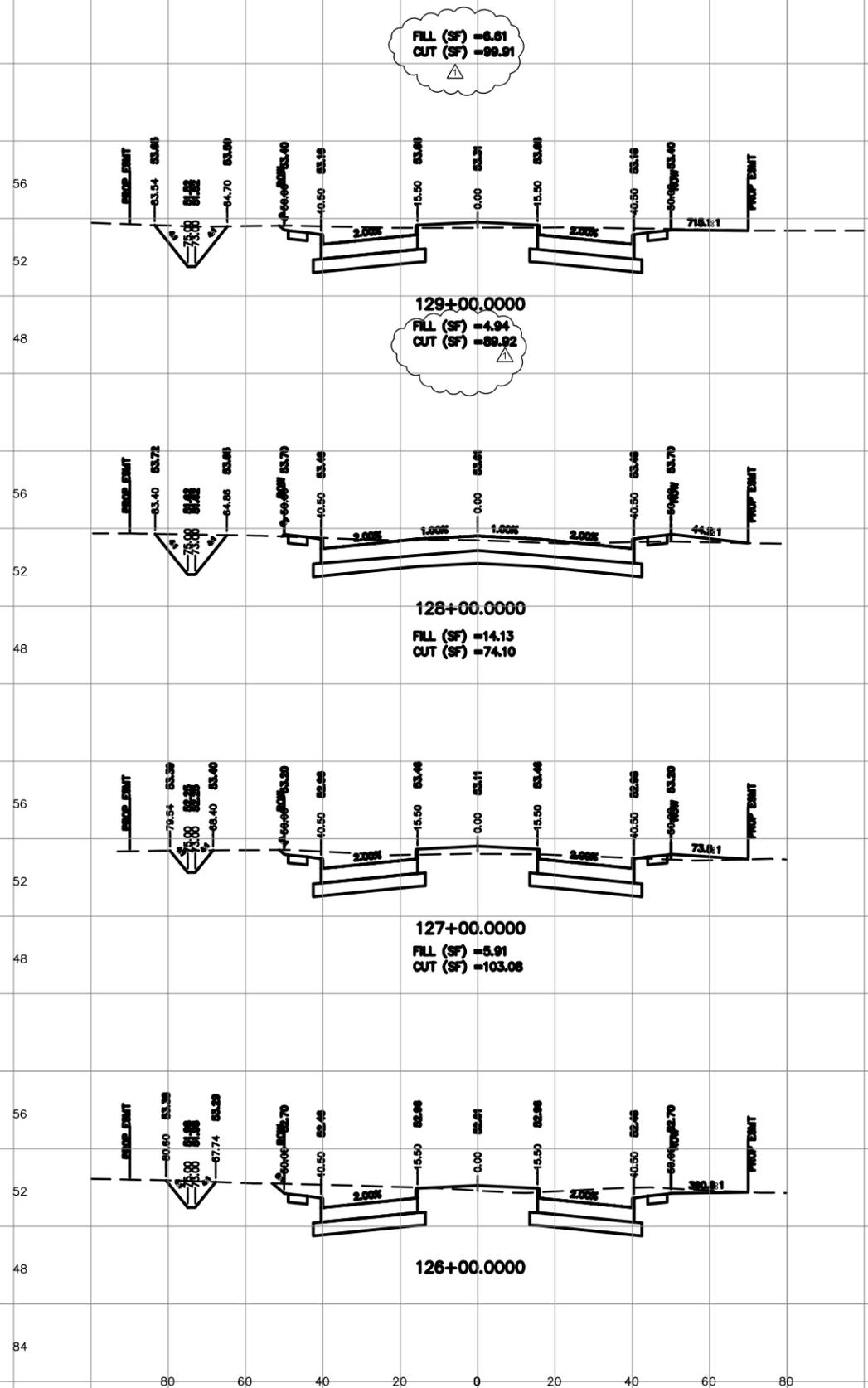
B. No additional condition described in Paragraph 1.10 may be included in Contractor's punch list.

PART 2 PRODUCTS - Not Used

PART 3 EXECUTION - Not Used

END OF SECTION

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NOTE: END AREAS (CUT & FILL SF) ARE SHOWN ABOVE EACH SECTION.

1-16-15	Addendum No. 1
No.	Date
	Revisions
	App.

**CLR, Inc.**  
 19530 F.M. 362  
 Waller, Texas 77484  
 PHONE: (713) 462-0993  
 T&E FIRM REG. NO. 275  
 TBPLS FIRM NO. 10038900

SURVEYED BY: JAG  
 FB NO: P5614

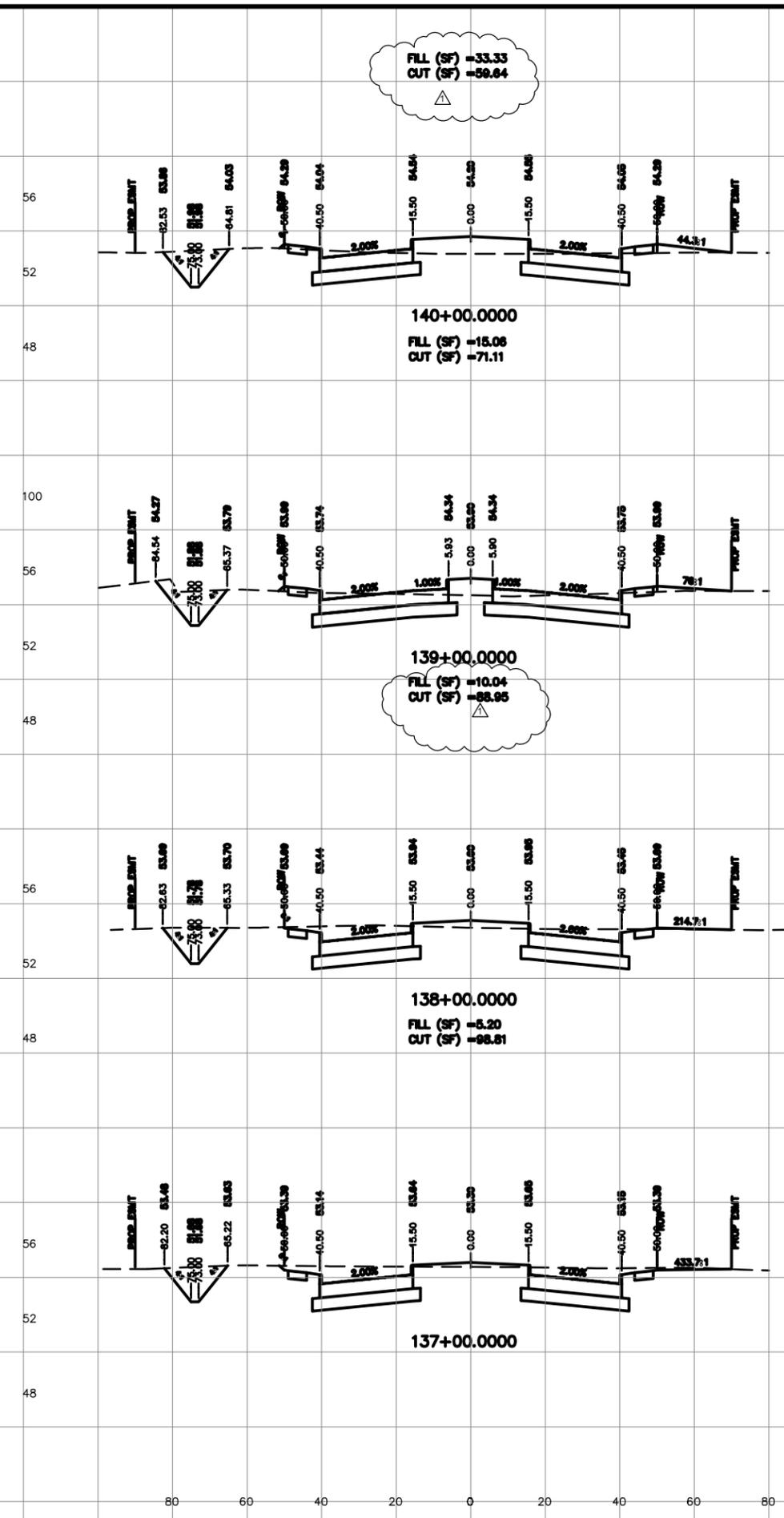
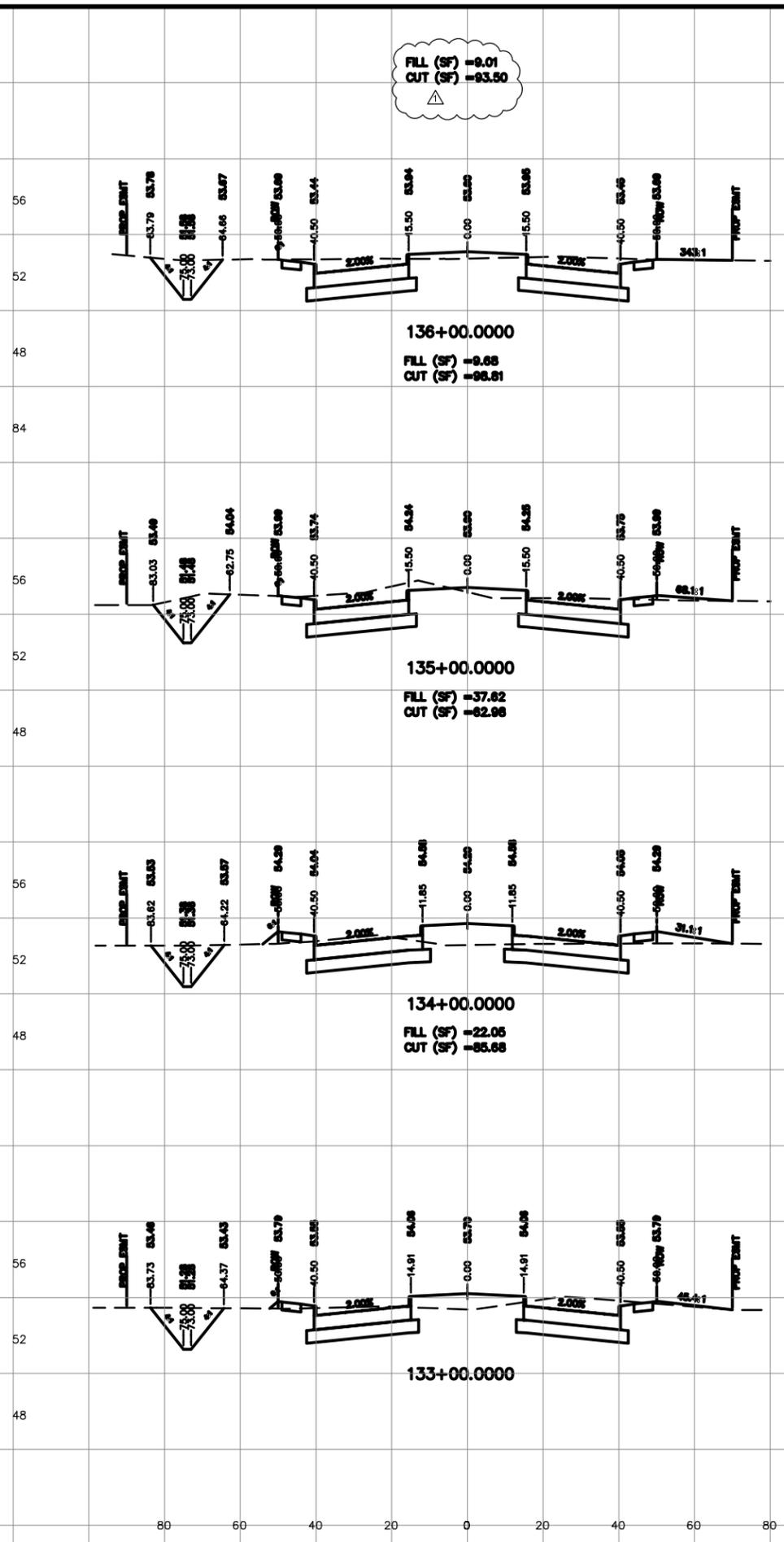


**CITY OF HOUSTON**  
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING  
 BUFFALO SPEEDWAY  
 BUFFALO SPEEDWAY  
 CROSS SECTIONS 126+00 TO 132+22

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
N-000784-0001-4	
DRAWING SCALE	
1" = 20' H, 1" = 4' V	
CITY OF HOUSTON PM	
STEPHEN CAMPAGNA	
SHEET NO. 86OF 161	



CLR - DWG - INF0 - E:\Work\05-024-00 Drawings\05\AUTOCAD - DWG\05-04-08\SECTIONS.DWG



NOTE: END AREAS (CUT & FILL SF) ARE SHOWN ABOVE EACH SECTION.

1-16-15	Addendum No. 1
No.	Date
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	App.

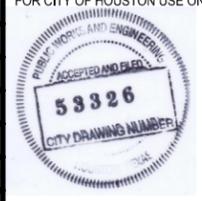
**CLR, Inc.**  
 19530 F.M. 362  
 Waller, Texas 77484  
 PHONE: (713) 462-0993  
 TBPFE FIRM REG. NO. 275  
 TBPFS FIRM NO. 10038900

SURVEYED BY: JAG  
 FB NO: P5614

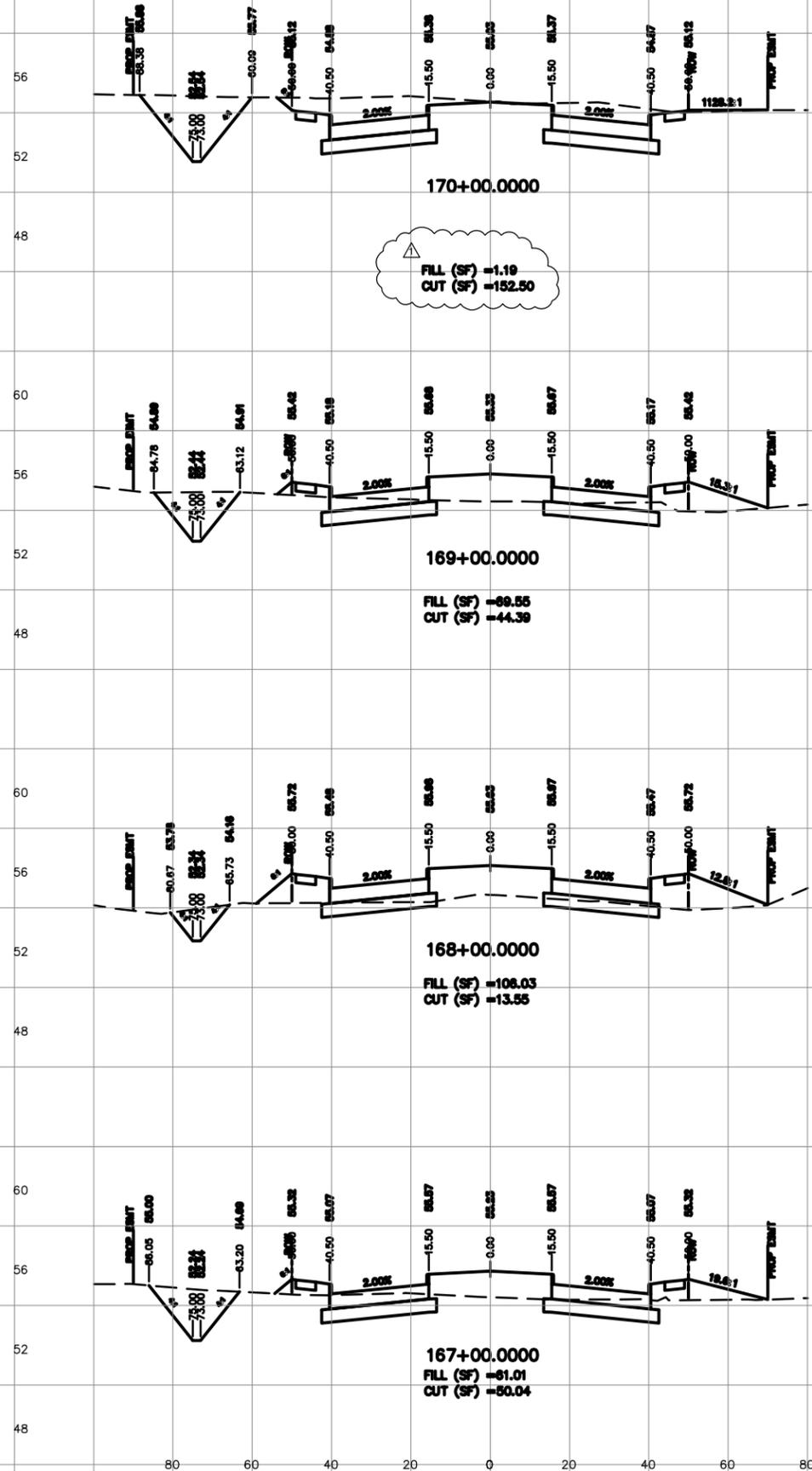
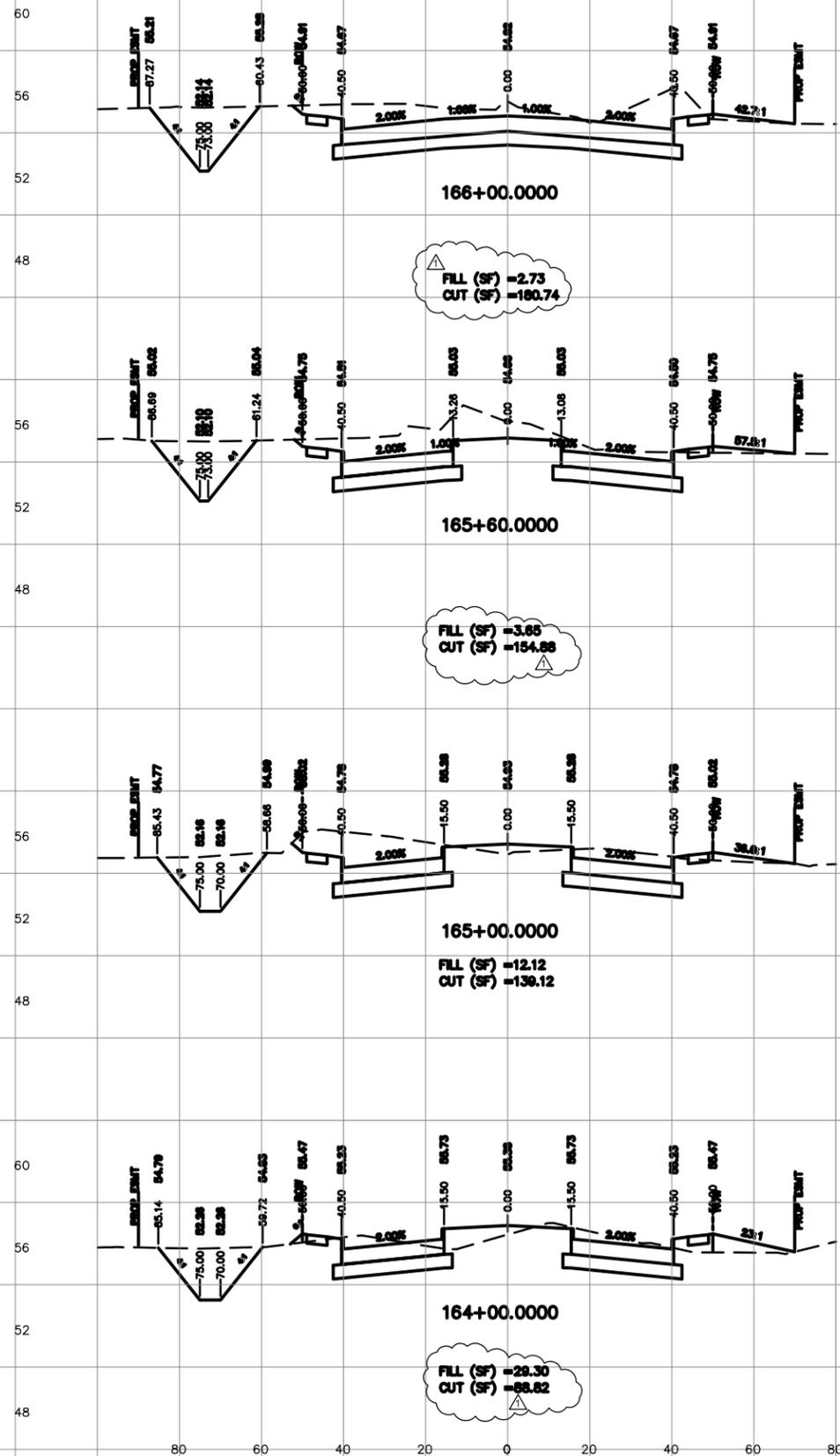


**CITY OF HOUSTON**  
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING  
**BUFFALO SPEEDWAY**  
 BUFFALO SPEEDWAY  
 CROSS SECTIONS 133+00 TO 140+00

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
N-000784-0001-4	
DRAWING SCALE	
1" = 20' H, 1" = 4' V	
CITY OF HOUSTON PM	
STEPHEN CAMPAGNA	
SHEET NO. 87OF 161	



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NOTE: END AREAS (CUT & FILL SF) ARE SHOWN BELOW EACH SECTION.

1-16-15	Addendum No. 1
No.	Date
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**CLR, Inc.**  
 19530 F.M. 362  
 Waller, Texas 77484  
 PHONE: (713) 462-0993  
 T&PE FIRM REG. NO. 275  
 TBPLS FIRM NO. 10038900

SURVEYED BY: JAG  
 FB NO: P5614

**KYLE A. BERTRAND**  
 LICENSED PROFESSIONAL ENGINEER  
 84575

**CITY OF HOUSTON**  
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING  
**BUFFALO SPEEDWAY**  
 BUFFALO SPEEDWAY  
 CROSS SECTIONS 164+00 TO 170+00

WBS NUMBER	N-000784-0001-4	FOR CITY OF HOUSTON USE ONLY
DRAWING SCALE	1" = 20' H, 1" = 4' V	
CITY OF HOUSTON PM	STEPHEN CAMPAGNA	
SHEET NO.	930F 161	

