

CITY OF SAN ANTONIO  
DEPARTMENT OF CAPITAL IMPROVEMENTS  
MANAGEMENT SERVICES

PROJECT NAME: **BROADWAY CORRIDOR, PHASE IIIA**

DATE: January 31, 2011

ADDENDUM NO. 3

This addendum shall be included in and be considered part of the plans and specifications for the above named project. The contractor shall be required to sign an acknowledgement of the receipt of this addendum at the time he receives it.

Addendum No. 3 is issued to update the Plans, Construction Specifications and Bid Proposal. The attached documents should be used in place of the same title found within the plans and specification book.

1. Replace the 020 Bid form. The name of "Additive Alternate #2 – Park Mitigation" was changed to "Additive Alternate #2 – Park Mitigation – Interpretive Panel Signs". The attached document should be used in place of the document of the same title found within the specification book.
2. Replace the bid proposal form (025 Unit Pricing Form). The attached documents should be used in place of the documents of the same title found within the specification book and in place of the Project Quantities summary found within the plans.
3. **Plans**
  - a. SAWS Water Plans
    - i. Delete Sheet 1 of 13 of the SAWS Water Plans and substitute attached revised Sheet 1 of 13.
  - b. Miraflores Park Mitigation Enhancements, Entry Towers Plan and Sections
    - i. Revise Keynote 'M' on sheet Entry Towers Plan and Sections to read "Examine existing drain, submit replacement drain body and fittings for approval, extend drain per Mechanical."
  - c. Miraflores Park Mitigation Enhancements, Sign and Ornamental Fence Plan
    - i. Add note, "5. The anchorage of the iron fence to the stone wall shall be included in the stone wall payment item. The contractor shall submit plans to the engineer detailing how the iron fence is to be attached to the stone wall."

4. **Questions Received from Plan Holders:**

- a. Regarding the recent changes to the pricing form for the above project by addendum #2, we noticed that the quantity for new item COSA 695.2 is zero (we assume it should be 2). Also the quantities of some items have been changed but the items are not flagged or marked as A2, ( i.e. items TxDOT 662 – 2064, TxDOT 662 – 2067, and TxDOT 662 – 2079 to name a few.) Please confirm the quantity for Item 695.2 and verify other items have been modified by add #2 and not flagged
  - i. COSA Item 695.2 quantity should be 3. Correct, quantities of some items were changed by Addendum 2 but were not flagged or marked as A2. Form 025 has been updated to correct for the above and is included with Addendum No. 3.
- b. Sheet 12 of 462, Phasing Note #4 states: CONCRETE TRAFFIC BARRIERS REQUIRED TO MAINTAIN TRAFFIC WILL BE FURNISHED AT NO DIRECT PAYMENT UNLESS ITEM 715 IS NOTED ON THE PLANS. Please clarify: 1 Does TxDOT furnish the material or the contractor. 2 Item 715 in not noted on the plans but there are pay items (TxDOT 512) for Portable CTB's in the Unit Pricing Form. Are these pay items for all the CTB's shown in the traffic control plans?
  - i. If required, Contractor would need to provide and would be paid for as Item 512 Port CTB (Low Profile).
- c. It appears temp signals are needed only at Broadway/Hildebrand and AT&T/University so the quantity should probably be revised to two. In the alternative, if temp signals are needed at Allensworth, could you please provide a plan sheet.
  - i. Temporary Signals pay items will be needed at all three signals. There will be some temporary signal adjustments at the Allensworth Signal. Plans are provided in the Traffic Control Section.
- d. In addendum two you issued a detailed sheet 130B for water fill traffic barriers. On sheet 130B it refers to page BC (1) and the National Cooperative Highway Research Report 350 will you be providing these documents as well?
  - i. BC(1) is included in the plans. The National Cooperative Highway Research Report 350 is available online at:  
[http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp\\_rpt\\_350-a.pdf](http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_350-a.pdf)
- e. CTB's. It appears that the most Type 1's I need will be in Phase 3 with 2,708 LF needed; the most Type 2's needed would be 160 LF for Phase 15. The remaining quantity needs would just be linear feet of these purchased items that would be moved and reset. Would you please consider adding pay items to provide for the move and reset needs and amend the quantity for furnish and install?
  - i. We prefer to leave the quantities as they are.
- f. Addenda 2 Item 6 question A "Do you know if CPS is supplying their material?" Answer was "No, CPS is not supplying any of the material included in the project. Contractors

need to supply all of the items that are listed on the 025 form. Clarify please, on sheet 344 of 462 – Duct Bank Details states “4/0 bare copper neutral supplied by CPS, installed by contractor in location show.” Is CPS Energy providing the 4/0 bare copper?

- i. CPS will provide the 4/0 bare copper neutral.
- g. Is item TxDot 402-2001 to include shoring for the manholes?
  - i. The length of shoring was calculated for the total length of the ductbank through the manholes.
- h. Will other utility contractors be working in the same TCP phase at the same time?
  - i. Please refer to the traffic control sheets in the plans.
- i. Will all work be completed in each phase of the TCP before utility work can begin in the next phase?
  - i. Please refer to the “Traffic Notes and Special Conditions” on the “Supplement General Notes” sheet in the plans.
- j. Will the utility poles and other utilities be removed or relocated that are or could be in conflict with the CPS Energy and Telecom duct bank before they are started?
  - i. CPS has indicated that they are going to relocate their poles prior to construction.
- k. Does bid item CPS 101-06 include the flowable fill for the manholes?
  - i. The quantity of flowable fill was calculated for the total length of the ductbank through the manholes.
- l. Bid item CPS 741-14 is new. Where does it need to be installed?
  - i. Please refer to the secondary pull box on sheet 343.
- m. Is CPS providing the J box and concrete pad?
  - i. No, the contractor will need to provide the J box and concrete pad.
- n. What are the work hours for the job?
  - i. Please refer to Section “061 Additional Supplementary Condition; SC-3.4.3 (A)” in the project manual.
- o. What is the time frame for completing the CPS Energy & Telecom duct bank?
  - i. None specified. The Project is to be substantially complete within 440 calendar days.

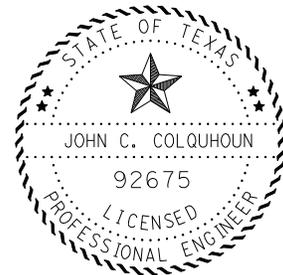
- p. Under the water bid item description, the first bid item 824 calls for one 1/2" long service relay, shouldn't that be a 1-1/2" long relay ? There is no 1/2" service in SAWS spec that I'm aware of
- i. Please remove the bid item 824 that calls for "RELAY 1/2" LONG SERVICE" and add a new 3/4" short service relay. The new 3/4" service relay will be connected to 1/2" meter located at 4100 Broadway, Tap No. 7428, refer sheet 4 of 13. Contractor shall provide necessary adapters to transition 3/4" relay to 1/2" meter service with no separate pay item. Revise the bid item for, "RELAY 3/4" SHORT SERVICE" to 4 instead of 3. Delete Sheet 1 of 13 and substitute revised Sheet 1 of 13 dated 01/31/2011 attached. See revised Bid Form.
- q. Is the "Additive Alternate #2 – Park Mitigation" item on the "020 Bid Form" only for the Interpretive Panel Signs listed under "Additive Alternate Bid #2" on the "025 Unit Pricing Form" or is it for all of the Park Mitigation?
- i. The "Additive Alternate #2 – Park Mitigation" item on the "020 Bid Form" is only for the Interpretive Panel Signs listed under "Additive Alternate Bid #2" on the "025 Unit Pricing Form". See attached 020 Bid Form revised by Addendum #3.

**5. Addendum Acknowledgement Form**

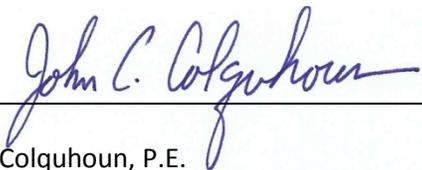
- a. Attached is the Addendum Acknowledgement Form. Please fill out and sign the form and include it with the Bid package to acknowledge receipt of addenda.

**ATTACHMENTS**

- Revised 020 Bid Form
- Revised 025 Unit Pricing Form
- Revised SAWS Water Plans Cover Page sheet 1 of 13
- Addendum Acknowledgement Form.



FREESE AND NICHOLS, INC  
TEXAS REGISTERED ENGINEERING FIRM F-2144

  
\_\_\_\_\_  
John C. Colquhoun, P.E.

\_\_\_\_\_  
1/31/2011  
Date

END OF ADDENDUM #2

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# CITY OF SAN ANTONIO

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Project Name: **Broadway Corridor Phase IIIA (Carnahan)**  
ID NO.: **40-00047-05-01**

Date Issued: **December 19, 2010**  
Page 1 of 2

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020

## BID FORM

The estimated construction budget for this contract is \$11,835,339.79

### I. BASE BID

Amount of Street and Drainage Base Bid (Insert Amount in Words and Numbers):

\_\_\_\_\_ \$ \_\_\_\_\_

Amount of SAWS Sewer Base Bid (Insert Amount in Words and Numbers):

\_\_\_\_\_ \$ \_\_\_\_\_

Amount of SAWS Water Base Bid (Insert Amount in Words and Numbers):

\_\_\_\_\_ \$ \_\_\_\_\_

Amount of CPS Duct Bank Base Bid (Insert Amount in Words and Numbers):

\_\_\_\_\_ \$ \_\_\_\_\_

Amount of Park Mitigation Base Bid (Insert Amount in Words and Numbers):

\_\_\_\_\_ \$ \_\_\_\_\_

Amount of C3 Sewer Base Bid (Insert Amount in Words and Numbers):

\_\_\_\_\_ \$ \_\_\_\_\_

Amount of CPS Gas Base Bid (Insert Amount in Words and Numbers):

\_\_\_\_\_ \$ \_\_\_\_\_

**Total Amount of Base Bid (Insert Amount in Words and Numbers):**

\_\_\_\_\_ \$ \_\_\_\_\_

### II. ALTERNATES

Amount of each Alternates (if applicable) insert in Numbers:

Additive Alternate #1 - Street and Drainage construction north of Davis Rd. (Additional 40 Calendar Days added to Calendar Day Contract)

Total Amount of Bid for Additive Alternate #1 (Insert Amount in Words and Numbers):

\_\_\_\_\_ \$ \_\_\_\_\_

Additive Alternate #2 - Park Mitigation - Interpretive Panel Signs

Total Amount of Bid for Additive Alternate #2 (Insert Amount in Words and Numbers):

\_\_\_\_\_ \$ \_\_\_\_\_

### III. UNIT PRICES

Bidders shall submit unit pricing on the 025 Unit Pricing form, and it shall be attached immediately following this sheet.

**IV. ALLOWANCES (if applicable)**

Amount of each Allowance (if applicable) insert in Numbers:

Allowance #1 - New entry gate for UIW

Total Amount of Bid for Allowance #1 (Insert Amount in Words and Numbers):

Forty-two thousand dollars and zero cents \$ 42,000.00

Allowance #2 - Stump Gate and Cactus Restoration

Total Amount of Bid for Allowance #1 (Insert Amount in Words and Numbers):

Forty-five thousand dollars and zero cents \$ 45,000.00

\_\_\_\_\_  
Official Name of Company (legal)

\_\_\_\_\_  
Telephone No.

\_\_\_\_\_  
Address

\_\_\_\_\_  
Fax No.

\_\_\_\_\_  
City, State and Zip Code

\_\_\_\_\_  
E-mail Address

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO.	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
<b>STREETS AND DRAINAGE BASE BID</b>									
	COSA 100.1			MOBILIZATION	LS	1			
	COSA 100.2			INSURANCE AND BONDING	LS	1			
	COSA 101.1			PREPARING RIGHT-OF-WAY	LS	1			
	COSA 110.2.1			TRANSPORTATION TO DISPOSAL FACILITY [COSA]	CY	1727			
	COSA 110.2.2			TRANSPORTATION TO DISPOSAL FACILITY [SAWS SEWER]	CY	1550			
	COSA 110.2.3			TRANSPORTATION TO DISPOSAL FACILITY [SAWS WATER]	CY	1256			
	COSA 110.2.4			TRANSPORTATION TO DISPOSAL FACILITY [CPS GAS]	CY	85			
	COSA 110.2.5			TRANSPORTATION TO DISPOSAL FACILITY [CPS DUCT BANK]	CY	882			
	COSA 110.2.6			LANDFILL DISPOSAL [COSA]	CY	1727			
	COSA 110.2.7			LANDFILL DISPOSAL [SAWS SEWER]	CY	1550			
	COSA 110.2.8			LANDFILL DISPOSAL [SAWS WATER]	CY	1256			
	COSA 110.2.9			LANDFILL DISPOSAL [CPS GAS]	CY	85			
	COSA 110.2.10			LANDFILL DISPOSAL [CPS DUCT BANK]	CY	882			
	COSA 110.6.1			DEVELOPMENT AND IMPLEMENTATION OF A SITE SPECIFIC HEALTH AND SAFETY PLAN	LS	1			
	COSA 234.1			BASE REINFORCEMENT	SY	22912			
	COSA 308.1			DRILLED SHAFTS (24")	LF	18			
	COSA 308.1			DRILLED SHAFTS (30")	LF	44			
	COSA 308.1			DRILLED SHAFTS (36")	LF	84			
	COSA 308.1			DRILLED SHAFTS (48")	LF	20			
	COSA 509.1			METAL BEAM GUARD RAIL	LF	71			
A2	COSA 540.7			CONSTRUCTION PERIMETER FENCE	LF	225			
	COSA 615.1			TRAFFIC SIGNAL CONTROLLER ASSEMBLY (TYPE 332 CABINET)	EA	3			
A2	COSA 618.1			CONDUIT (2 INCH/PVC SCHEDULE 40)	LF	242			
	COSA 618.3			CONDUIT (4 INCH/PVC SCHEDULE 40)	LF	803			
	COSA 620.1			ELECTRICAL CONDUCTORS (NO. 6)(BARE)	LF	51			
A2	COSA 620.2			ELECTRICAL CONDUCTORS (NO. 8)(BARE)	LF	999			
	COSA 624.8			GROUND BOXES TYPE D (162922) W/ APRON	EA	11			
A2	COSA 628.1			ELECTRICAL SERVICES (TYPE D) (120/240V)	EA	3			
A2	COSA 633.1			BATTERY BACKUP SYSTEM	EA	3			
	COSA 636.1			ALUMINUM SIGNS (TYPE A)	SF	318			
	COSA 655.1			TYPE 332 CONTROLLER FOUNDATION	EA	3			
A2	COSA 680.1			INSTALLATION OF HIGHWAY TRAFFIC SIGNALS (SYSTEM)	EA	3			
A2	COSA 681.1			TEMPORARY TRAFFIC SIGNALS	EA	3			
	COSA 682.1			INSTALL VEHICLE SIGNAL SECTION WITH BACK PLATE (3 SECTIONS)	EA	35			
	COSA 682.2			INSTALL VEHICLE SIGNAL SECTION WITH BACK PLATE (4 SECTIONS)	EA	3			
A2	COSA 683.1			LED COUNTDOWN PEDESTRIAN SIGNAL MODULE	EA	20			
A2	COSA 684.1			TRAFFIC SIGNAL CABLES (TYPE A)(14 AWG)(CONDUCTOR NO. 4)	LF	1280			
A2	COSA 684.1			TRAFFIC SIGNAL CABLES (TYPE A)(14 AWG)(CONDUCTOR NO. 9)	LF	3273			
	COSA 686.1			INSTALL TRAFFIC SIGNAL POLE ASSEMBLIES (STEEL) (1 ARM 24')(LUM)	EA	2			
	COSA 686.1			INSTALL TRAFFIC SIGNAL POLE ASSEMBLIES (STEEL) (1 ARM 28')(LUM)	EA	1			
	COSA 686.1			INSTALL TRAFFIC SIGNAL POLE ASSEMBLIES (STEEL) (1 ARM 32')	EA	1			
	COSA 686.1			INSTALL TRAFFIC SIGNAL POLE ASSEMBLIES (STEEL) (1 ARM 36')	EA	2			
	COSA 686.1			INSTALL TRAFFIC SIGNAL POLE ASSEMBLIES (STEEL) (1 ARM 36')(LUM)	EA	1			
	COSA 686.1			INSTALL TRAFFIC SIGNAL POLE ASSEMBLIES (STEEL) (1 ARM 40')(LUM)	EA	2			
	COSA 686.1			INSTALL TRAFFIC SIGNAL POLE ASSEMBLIES (STEEL) (1 ARM 44')(LUM)	EA	1			
	COSA 686.1			INSTALL TRAFFIC SIGNAL POLE ASSEMBLIES (STEEL) (1 ARM 55')(LUM)	EA	1			
	COSA 686.1			INSTALL TRAFFIC SIGNAL POLE ASSEMBLIES (STEEL) (2 ARM 40-24')(LUM)	EA	1			
	COSA 687.1			PEDESTRIAN POLE ASSEMBLIES	EA	2			
	COSA 688.2			PEDESTRIAN DETECTORS (2 INCH PUSH BUTTON)	EA	20			
	COSA 691.2			ANTENNA [OMNI DIRECTIONAL]	EA	2			
	COSA 693.1			INTERNALLY LIGHTED STREET NAME SIGNS (D/8)	EA	12			
	COSA 694.1			VIVDS PROCESSOR SYSTEM	EA	3			
	COSA 694.2			VIVDS CAMERA ASSEMBLY	EA	20			

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO.	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
	COSA 694.4			VIVDS SET-UP SYSTEM	EA	3			
A2	COSA 694.5			VIVDS TEMPORARY	EA	3			
	COSA 694.6			VIVDS COMMUNICATION CABLE (COAXIAL)	LF	1330			
A3	COSA 695.2			EMERGENCY PREEMPTION PHASE SELECTOR (2-CHANNEL)	EA	3			
	COSA 695.3			EMERGENCY PREEMPTION DETECTOR	EA	8			
A2	COSA 695.4			EMERGENCY PREEMPTION DETECTOR CABLE	LF	825			
	COSA			CAT 5 ETHERNET CABLE	LF	72			
	COSA			BELDEN POWER CABLE	LF	76			
	COSA			#6 THHN/THWN	LF	106			
	TxDOT 110	2001		STREET EXCAVATION	CY	9819			
	TxDOT 110	2002		EXCAVATION (CHANNEL)	CY	281			
	TxDOT 132	2003		EMBANKMENT (FINAL)(ORD COMP)(TY B)	CY	314			
	TxDOT 162	2002		BLOCK SODDING	SY	3074			
	TxDOT 169	2002		SOIL RETENTION BLANKETS (CL2) (TY H)	SY	39			
A2	TxDOT 341	2011		D-GR HMA(QCQA) TY-B PG64-22	TON	16093			
A2	TxDOT 341	2048		D-GR HMA(QCQA) TY-C SAC-B PG70-22	TON	4072			
	TxDOT 354	2021		PLANE ASPH CONC PAV(0" TO 2")	SY	2800			
	TxDOT 400	2001		STRUCT EXCAV	CY	132			
	TxDOT 402	2001		TRENCH EXCAVATION SAFETY PROTECTION	LF	4100			
	TxDOT 403	2001		TEMPORARY SPL SHORING	SF	4000			
	TxDOT 420	2001		CL A CONC (MISC) (HEADWALL)	CY	29			
	TxDOT 420	2002		CL A CONC (MISC) (FLOOR BLOCKS)	CY	3			
	TxDOT 432	2038		RIPRAP (CONC) (CL A)	CY	27			
	TxDOT 462	2025		PRECAST REINFORCED CONCRETE CULVERT (9' x 6')	LF	1566			
	TxDOT 462	2062		PRECAST REINFORCED CONCRETE CULVERT (12' x 6')	LF	1116			
	TxDOT 464	2005		REINFORCED CONCRETE PIPE (CLASS III)(24" DIA)	LF	976			
	TxDOT 464	2007		REINFORCED CONCRETE PIPE (CLASS III)(30" DIA)	LF	3			
	TxDOT 464	2009		REINFORCED CONCRETE PIPE (CLASS III)(36" DIA)	LF	299			
	TxDOT 465	2089		MANH (COMPL) (JUNCT BOX) (TY 1)	EA	7			
	TxDOT 465	2090		MANH (COMPL) (JUNCT BOX) (TY 2)	EA	5			
	TxDOT 465	2091		SPECIAL JUNCTION BOXES (Complete) (22.5'x9' Drop Structure)	EA	1			
	TxDOT 465	2091		SPECIAL JUNCTION BOXES (Complete) (15'x6' Drop Structure)	EA	1			
	TxDOT 465	2091		SPECIAL JUNCTION BOXES (Complete) (16'x16' Drop Structure)	EA	1			
	TxDOT 465	2094		MANH (COMPL) (TY2) (PIPE RISER)	EA	6			
	TxDOT 465	2145		INLET (COMPL) (TRAFFIC) (TY X-3)	EA	2			
	TxDOT 465	2192		INLET EXT (TY I - E)	EA	13			
	TxDOT 465	2259		INLET (COMPL) (CURB) (TY I) (10')	EA	17			
	TxDOT 465	2405		INLET (COMPL) (CURB) (TY C)	EA	3			
	TxDOT 465	2474		INLET (COMPLETE) (TYPE C - E)	EA	2			
	TxDOT 465	2385		INLET (COMPL) (CURB) (SPL) (10')	EA	1			
	TxDOT 465	2385		INLET (COMPL) (CURB) (SPL) (20')	EA	2			
	TxDOT 502	2001		BARRICADES, SIGNS AND TRAFFIC HANDLING	MO	18			
	TxDOT 506	2003		ROCK FILTER DAMS (INSTALL) (TY3)	LF	80			
	TxDOT 506	2009		ROCK FILTER DAMS (REMOVE)	LF	80			
	TxDOT 506	2016		CONSTRUCTION EXITS (INSTALL) (TY1)	SY	156			
	TxDOT 506	2019		CONSTRUCTION EXITS (REMOVE)	SY	156			
	TxDOT 506	2034		TEMPORARY SEDIMENT CONTROL FENCE	LF	1030			
	TxDOT 506	2041	012	TEMP SDMT CONT FENCE (INLET PROTECT)	LF	725			
A2	TxDOT 512	2008		PORT CTB (FUR & INST) (LOW PROF) (TY 1)	LF	12615			
A2	TxDOT 512	2009		PORT CTB (FUR & INST) (LOW PROF) (TY 2)	LF	740			
A2	TxDOT 512	2044		PORT CTB (REMOVE) (LOW PROF) (TY 1)	LF	12615			
A2	TxDOT 512	2045		PORT CTB (REMOVE) (LOW PROF) (TY 2)	LF	740			
	TxDOT 529	2001		CONCRETE CURB TYPE I	LF	6323			
	TxDOT 529	2014		CONC CURB (TY C)	LF	315			
	TxDOT 530	2010		CONCRETE DRIVEWAY (COMMERCIAL)	SY	661			

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO.	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
	TxDOT 531	2005		CURB RAMPS (TY 1)	EA	4			
	TxDOT 531	2006		CURB RAMPS (TY 2)	EA	10			
	TxDOT 531	2010		CURB RAMPS (TY 7)	EA	8			
	TxDOT 531	2015		NEW P.C. CONCRETE SIDEWALKS, 4 IN. THICKNESS	SY	2059			
	TxDOT 531	2041		CURB RAMP (TYPE 10)	EA	4			
	TxDOT 531	2046		CURB RAMP (TYPE 11)	EA	1			
	TxDOT 550	2009		CHAIN LINK FENCE (INSTALL) (4')	LF	60			
	TxDOT 636	2001		ALUMINUM SIGNS (TY A)	SF	111			
	TxDOT 644	2001		INS SM RD SN SUP&AM TY 10BWG(1) SA(P)	EA	39			
	TxDOT 644	2004		INS SM RD SN SUP&AM TY 10BWG(1) SA(T)	EA	2			
	TxDOT 644	2056		RELOCATE SM RD SN SUP & AM TY 10BWG	EA	2			
	TxDOT 644	2060		REMOVE SM RD SN SUP & AM	EA	26			
	TxDOT 662	2001		WK ZN PAV MRK NON-REMOV (W) 4" (BRK)	LF	7075			
	TxDOT 662	2004		WK ZN PAV MRK NON-REMOV (W) 4" (SLD)	LF	2553			
	TxDOT 662	2012		WK ZN PAV MRK NON-REMOV (W) 8" (SLD)	LF	2091			
	TxDOT 662	2016		WK ZN PAV MRK NON-REMOV (W) 24" (SLD)	LF	343			
	TxDOT 662	2031		WK ZN PAV MRK NON-REMOV (Y) 4" (DOT)	LF	125			
	TxDOT 662	2032		WK ZN PAV MRK NON-REMOV (Y) 4" (SLD)	LF	9139			
A2	TxDOT 662	2064		WK ZN PAV MRK REMOV (W) 4" (BRK)	LF	23303			
A2	TxDOT 662	2065		WK ZN PAV MRK REMOV (W) 4" (DOT)	LF	233			
A2	TxDOT 662	2067		WK ZN PAV MRK REMOV (W) 4" (SLD)	LF	21082			
	TxDOT 662	2075		WK ZN PAV MRK REMOV (W) 8" (SLD)	LF	4274			
A2	TxDOT 662	2079		WK ZN PAV MRK REMOV (W) 24" (SLD)	LF	824			
	TxDOT 662	2084		WK ZN PAV MRK REMOV (W) (ARROW)	EA	6			
	TxDOT 662	2094		WK ZN PAV MRK REMOV (W) (WORD)	EA	6			
	TxDOT 662	2098		WK ZN PAV MRK REMOV (Y) 4" (DOT)	LF	574			
A2	TxDOT 662	2099		WK ZN PAV MRK REMOV (Y) 4" (SLD)	LF	56444			
	TxDOT 662	2106		WK ZN PAV MRK REMOV (Y) 24" (SLD)	LF	489			
	TxDOT 666	2003		REFLECTORIZED TYPE I THERMO PAVEMENT MARKINGS, 4IN, 100 MILS, WHITE BROKEN	LF	7257			
A2	TxDOT 666	2006		REFLECTORIZED TYPE I THERMO PAVEMENT MARKINGS, 4IN, 100 MILS, WHITE DOT	LF	204			
	TxDOT 666	2012		REFLECTORIZED TYPE I THERMO PAVEMENT MARKINGS, 4IN, 100 MILS, WHITE SOLID	LF	198			
	TxDOT 666	2036		REFLECTORIZED TYPE I THERMO PAVEMENT MARKINGS, 8IN, 100 MILS, WHITE	LF	2825			
	TxDOT 666	2048		REFLECTORIZED TYPE I THERMO PAVEMENT MARKINGS, 24IN, 100 MILS, WHITE	LF	1976			
	TxDOT 666	2054		REFL PAV MRK TY I (W) (ARROW) (100MIL)	EA	22			
	TxDOT 666	2054A		REFL PAV MRK TY I (Y) (ARROW) (100MIL)	EA	26			
	TxDOT 666	2069A		REFL PAV MRK TY I (Y) (DBL ARROW) (100MIL)	EA	1			
	TxDOT 666	2096		REFL PAV MRK TY I (W) (WORD) (100MIL)	EA	22			
	TxDOT 666	2108		REFLECTORIZED TYPE I THERMO PAVEMENT MARKINGS, 4IN, 100 MILS, YELLOW DOT	LF	167			
	TxDOT 666	2111		REFLECTORIZED TYPE I THERMO PAVEMENT MARKINGS, 4IN, 100 MILS, YELLOW SOLID	LF	7400			
	TxDOT 666	2132		REFLECTORIZED TYPE I THERMO PAVEMENT MARKINGS, 24IN, 100 MILS, YELLOW	LF	151			
A2	TxDOT 666	2141		REFLECTORIZED TYPE I THERMO PAVEMENT MARKINGS, YELLOW, MED NOSE 100mil	EA	2			
	TxDOT 666	2142		REFLECTORIZED TYPE II THERMO PAVEMENT MARKINGS, 4IN, 100 MILS, WHITE BROKEN	EA	7257			
	TxDOT 666	2143		REFLECTORIZED TYPE II THERMO PAVEMENT MARKINGS, 4IN, 100 MILS, WHITE DOT	LF	204			
A2	TxDOT 666	2145		REFLECTORIZED TYPE II THERMO PAVEMENT MARKINGS, 4IN, 100 MILS, WHITE SOLID	LF	198			
	TxDOT 666	2153		REFLECTORIZED TYPE II THERMO PAVEMENT MARKINGS, 8IN, 100 MILS, WHITE	LF	2743			
	TxDOT 666	2157		REFLECTORIZED TYPE II THERMO PAVEMENT MARKINGS, 24IN, 100 MILS, WHITE	LF	1976			
	TxDOT 666	2160		REF PAV MRK TY II (W) (ARROW)	EA	22			
	TxDOT 666	2160A		REF PAV MRK TY II (Y) (ARROW)	EA	26			
	TxDOT 666	2165A		REF PAV MRK TY II (Y) (DBL ARROW)	EA	1			
	TxDOT 666	2173		REF PAV MRK TY II (W) (WORD)	EA	22			
	TxDOT 666	2177		REFLECTORIZED TYPE II THERMO PAVEMENT MARKINGS, 4IN, 100 MILS, YELLOW DOT	LF	167			
	TxDOT 666	2178		REFLECTORIZED TYPE II THERMO PAVEMENT MARKINGS, 4IN, 100 MILS, YELLOW SOLID	LF	7400			
	TxDOT 666	2185		REFLECTORIZED TYPE II THERMO PAVEMENT MARKINGS, 24IN, 100 MILS, YELLOW	LF	151			
	TxDOT 666	2188		REFLECTORIZED TYPE II THERMO PAVEMENT MARKINGS, YELLOW, MED NOSE	EA	2			
	TxDOT 672	2015		REFL PAV MRK (TY II A-A)	EA	221			

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO.	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
	TxDOT 672	2017		REFL PAV MRKR TY II-C-R	EA	438			
	TxDOT 772	2003		POST AND CABLE FENCE(NEW INSTALLATION)	LF	837			
	TxDOT 6834	2001		PORTABLE CHANGEABLE MESSAGE SIGN	DAY	2640			
	SS911.1			VIBRATION MONITORING (STUMP GATE)	EA	1			
	SS911.2			VIBRATION MONITORING (CACTUS)	EA	1			
	SS911.3			VIBRATION MONITORING (ENTRY TOWERS)	EA	2			
	SS912			LIMESTONE BLOCK WALL	EA	300			
	TxDOT 100	XXXX		REMOVE EXISTING ENTRANCE GATE	EA	1			
	XXXX			INSTALL NEW ENTRANCE GATE	EA	1	\$42,000.00	\$ 42,000.00	
	SS2441.1			IRRIGATION - NEW IRRIGATION SYSTEM (UIW)	EA	1			
	SS2441.2			IRRIGATION - NEW IRRIGATION SYSTEM (AT&T)	EA	1			
	SS2480.1			SHRUB & VINE PLANTING	SF	5200			
	SS2480.2			GROUNDCOVER PLANTING	SF	2750			
	SS2480.3			TREE PLANTING - 15 GALLON	EA	25			
	SS2480.4			TREE PLANTING - 2" CALIPER	EA	3			
	SS2480.5			SODDING	SY	460			
	SS2480.6			TREE PROTECTION	EA	57			
	SS2480.7			STEEL EDGING	LF	1210			
	SS2480.8			GREENSCREEN - 6' HEIGHT	LF	116			
	SS2480.9			GREENSCREEN - 4' HEIGHT	LF	110			
	SS2486.1			DECOMPOSED GRANITE PAVING	SF	2250			
	SS2486.2			RIVER ROCK PAVING	SF	390			

TOTAL STREET AND DRAINAGE BASE BID \_\_\_\_\_

SAWS SEWER MAIN BASE BID									
	100			MOBILIZATION	LS	1			
	101			PREPARING RIGHT-OF-WAY	LS	1			
	412			CEMENT (2.5 BAGS PER CY) STABILIZED SAND	CY	25			
	511.3			REPLACING WITH HOT ASPH. CONC PVMT. (12" COMP. DEPTH)	SY	1540			
	550			SAN SEWER (TRENCH EXCAVATION PROTECTION)	LF	3078			
	848			SAN SEWER (15 INC PVC SDR 26) (6' - 10')	LF	184			
	848			SAN SEWER (15 INC PVC SDR 26) (10' - 14')	LF	330			
	848			SAN SEWER (15 INC PVC SDR 26) (14' - 18')	LF	1047			
	848			SAN SEWER (15 INC PVC SDR 26) (18' - 22')	LF	83			
	848			SAN SEWER (10 INC PVC SDR 26) (14'-18')	LF	53			
	848			SAN SEWER (8 INC PVC SDR 26) (0'-6')	LF	35			
	848			SAN SEWER (8 INC PVC SDR 26) (6'-10')	LF	524			
	848			SAN SEWER (8 INC PVC SDR 26) (10'-14')	LF	708			
	848			SAN SEWER (8 INC PVC SDR 26) (14'-18')	LF	114			
	852.1			SAN SEWER (MANHOLE STRUCTURE)	EA	14			
	852.2			SAN SEWER (DROP MANHOLE STRUCTURE)	EA	6			
	852.3			SAN SEWER (EXTRA DEPTH)	VF	144			
	854			SAN SEWER (LATERAL)	LF	1501			
	854.1			SAN SEWER CLEANOUT	EA	40			
	858			CONCRETE ENCASEMENT, CRADLES, SADDLES & COLLARS	CY	37			
	860			SAN SEWER VERTICAL STACK	VF	54			
	864			SAN SEWER (BY-PASS PUMPING)	LS	1			
	866			SAN SEWER (PRE-TELEVISION INSPECTION) (8"-15")	LF	4590			
	866			SAN SEWER (TELEVISION INSPECTION) (8"-15")	LF	3078			
	1010			FLOWABLE FILL	CY	2750			

TOTAL SAWS SEWER MAIN BASE BID \_\_\_\_\_

A2

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO.	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
SAWS WATER MAIN BASE BID									
	100			MOBILIZATION	LS	1			
	101			PREPARING RIGHT-OF-WAY	LS	1			
	511.3			REPLACING WITH HOT ASPH. CONC PVMT.	SY	1970			
A2	550			TRENCH EXCAVATION SAFETY PROTECTION	LF	3895			
A2	814			12" DUCTILE IRON PIPE (Restrained)	LF	30			
	818			4" PVC WATERLINE (Restrained)	LF	35			
	818			6" PVC WATERLINE (Restrained)	LF	35			
	818			8" PVC WATERLINE (Restrained)	LF	710			
	818			12" PVC WATERLINE (Restrained)	LF	3005			
	818			20" PVC WATERLINE (Restrained)	LF	115			
A3	824			RELAY 3/4" SHORT SERVICE	EA	4			
	824			RELAY 3/4" LONG SERVICE	EA	3			
	824			RELAY 1" SHORT SERVICE	EA	2			
	824			RELAY 1" LONG SERVICE	EA	4			
	824			RELAY 2" SHORT SERVICE	EA	2			
	824			RELAY 2" LONG SERVICE	EA	1			
	824			RELAY 4" SHORT SERVICE	EA	2			
	824			RELAY 6" SHORT SERVICE	EA	3			
	824			RELAY 8" SHORT SERVICE	EA	3			
	824			RELAY 8" LONG SERVICE	EA	1			
	824			NEW 2" LONG SERVICE	EA	1			
	828			4" GATE VALVE	EA	1			
	828			6" GATE VALVES	EA	1			
	828			8" GATE VALVES	EA	6			
	828			12" GATE VALVES	EA	7			
	833			EXISTING METER AND METER BOX RELOCATION	EA	17			
	833			METER BOX	EA	17			
	834			FIRE HYDRANT	EA	14			
	836			PIPE FITTINGS ALL SIZES AND TYPES	TON	7			
	840			4" WATER TIE IN	EA	1			
	840			6" WATER TIE IN	EA	4			
A2	840			8" WATER TIE IN	EA	1			
	840			10" WATER TIE IN	EA	1			
	840			20" WATER TIE IN	EA	2			
	841			HYDROSTATIC TESTING	EA	7			
A2	844			2" BLOWOFF ASSEMBLY (PERMANENT)	EA	3			
A2	844			2" BLOWOFF ASSEMBLY (TEMPORARY)	EA	5			
	844			4" BLOWOFF ASSEMBLY (TEMPORARY)	EA	1			
	846			1" AIR RELEASE VALVE	EA	1			
	856.2			18" CARRIER PIPE	LF	42			
A2	856.2			24" CARRIER PIPE	LF	44			
	856.2			36" CARRIER PIPE	LF	30			
	856.3			CASING 18"	LF	42			
A2	856.3			CASING 24"	LF	44			
	856.3			CASING 36"	LF	30			
	858			CONCRETE SADDLE	CY	10			
	1010			FLOWABLE FILL	CY	550			
	3000.14			REMOVAL, TRANSPORTATION AND DISPOSAL OF AC PIPE	LS	1			
	3000.15			ASBESTOS ABATEMENT WORK PLANS	LS	1			

TOTAL SAWS WATER MAIN BASE BID \_\_\_\_\_

DUCT BANK \_\_\_\_\_

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO.	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
	CPS 101-05			CONCRETE FOR PROTECTIVE COVER OR FILL (2000 PSI PEA GRAVEL)	CY	503			
	CPS 101-06			CONTROLLED LOW STRENGTH MATERIAL (FLOWABLE FILL), ENGINEERED MIX DESIGNS	CY	2634			
	CPS 349-04			MANHOLE, PRECAST, WITH KNOCKOUTS (10x10x10)	EA	1			
	CPS 349-04			MANHOLE, PRECAST, WITH KNOCKOUTS (8x8x10)	EA	1			
	CPS 349-04			MANHOLE, PRECAST, WITH KNOCKOUTS (8x8x8)	EA	1			
	CPS 730-02			CONDUIT FITTINGS 4" CAP	EA	66			
	CPS 730-02			CONDUIT FITTINGS 2" CAP	EA	9			
	CPS 730-06			SPACERS, INTERLOCKING, CONDUIT, FOR UNDERGROUND DUCT BANKS	EA	17025			
	CPS 730-02			CONDUIT FITTINGS 2.5" 90 DEGREE ELBOW	EA	14			
	CPS 741-14			JUNCTION BOX, SINGLE PHASE, FEED-THRU, FOR 15KV AND 35 KV CABLE (TYPE J)	EA	1			
A2	TxDOT 402	2001		TRENCH EXCAVATION SAFETY PROTECTION	LF	5332			
	TxDOT 618	2018		CONDUIT (2 INCH/PVC SCHEDULE 40)	LF	5256			
	TxDOT 618	2020		CONDUIT (2.5 INCH/PVC SCHEDULE 40)	LF	1919			
	TxDOT 618	2024		CONDUIT (4 INCH/PVC SCHEDULE 40)	LF	68087			
	TxDOT 624	2017		GROUND BOX TY J (484836)	EA	10			
	XXXXX			STREET LIGHT FOUNDATION	EA	10			

TOTAL DUCT BANK BASE BID \_\_\_\_\_

PARK MITIGATION									
ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO.	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
A2	SS161			COMPOST MANUFACTURED TOPSOIL - BOS	CY	10			
A2	SS166			FERTILIZER	LS	1			
A2	SS192			LANDSCAPE PLANTING - 'DT' TREE	EA	9			
A2	SS192			LANDSCAPE PLANTING - 'UC-4' TREE	EA	2			
A2	SS192			LANDSCAPE PLANTING - 'TD-4' TREE	EA	6			
A2	SS192			LANDSCAPE PLANTING - 'RC' TREE	EA	12			
A2	SS193			VEGETATIVE WATERING	LS	1			
A2	SS193			PLANT MAINTENANCE, EA. PLANT	EA	27			
	TxDOT 516.1			BERMUDA SODDING - TIF 419	SY	820			
	SS2010.1			CONSTRUCTION FENCE - 6' TEMPORARY	LF	890			
	SS2030.1			TREATMENT OF EXISTING TREES	LS	1			
	SS2040.1			LANDSCAPE PROTECTION	LS	1			
	SS2050.1			LANDSCAPE MAINTENANCE	LS	1			
	SS2100.1			METAL CONSERVATION - FENCES AND GATES	LS	1			
	SS2110.1			METAL CONSERVATION - LANTERNS	LS	1			
	SS2120.1			STONE WALL CONSERVATION	LS	1			
A1	SS2140			FOUNDATION UNDERPINNING- WEST ENTRY TOWER	EA	10			
	SS2150.1			STUCCO REPAIR - REMOVE AND REPLACE	SF	1			
	SS2150.2			STUCCO REPAIR - FILL CRACKS	LF	1			
	SS2150.3			STUCCO REPAIR - REPLICATE MISSING CAST STONE TRIM	LF	1			
	SS2150.4			STUCCO REPAIR - REPLICATE MISSING CAST STONE ORNAMENTS	EA	1			
	SS2150.5			STUCCO REPAIR - REMOVE AND REATTACH LOOSE TRIM	LF	1			
	SS2150.6			STUCCO REPAIR - PATCH DAMAGED CAST STONE AND STUCCO	SF	1			
	SS2160.1			REALKALIZATION	LS	1			
	SS2170			ARCHITECTURAL CONSERVATION	LS	1			
	SS2174.1			SKYLIGHT RESTORATION	LS	1			
	SS2173			STEEL DOORS	EA	2			
	SS2175			THERMOPLASTIC-POLYOLEFIN ROOFING	LS	1			
	SS2280.1			CEMENT SCULPTURE (TRABAJO RUSTICO) CONSERVATION	LS	1	\$45,000.00	\$ 45,000.00	
	SS2300.1			ORNAMENTAL METAL FENCE - (4 FT HIGH)	LF	72			
	SS2320.1			ANTIQUITIES VIOLATION SIGN	EA	7			
	SS2340.1			TEMPORARY LANDSCAPE IRRIGATION SYSTEM	LS	1			
	SS2400.1			ELECTRICAL SYSTEM	LS	1			
	SS2410.1			PLUMBING SYSTEM	LS	1			

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO.	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
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TOTAL PARK MITIGATION BASE BID \_\_\_\_\_

C3 SEWER LINE									
	100			MOBILIZATION	LS	1			
	101			PREPARING RIGHT-OF-WAY	LS	1			
	SAWS 550		SP550	TRENCH EXCAVATION SAFETY PROTECTION	LF	180			
	COSA 551		SP551	TEMPORARY SPECIAL SHORING	LS	1			
	COSA 503			REPLACE PORTLAND CEMENT CONCRETE DRIVEWAY - COMMERCIAL (AT&T)	SY	136			
	COSA 511			CUTTING AND REPLACING PAVEMENT, REPLACING WITH PERMANENT BASE AND PAVEMENT (HILDEBRAND AVE)	SY	119			
	COSA 511			CUTTING AND REPLACING PAVEMENT, REPLACING WITH TEMPORARY BASE AND PAVEMENT (HILDEBRAND AVE)	SY	119			
	COSA 511			CUTTING AND REPLACING PAVEMENT, REPLACING WITH BASE AND PAVEMENT (INCARNATE WORD UNIVERSITY)	SY	100			
	COSA 511			CUTTING AND REPLACING PAVEMENT, REPLACING WITH PORTLAND CEMENT CONCRETE PAVEMENT (INCARNATE WORD UNIVERSITY)	SY	94			
	COSA 500			CONCRETE CURB	LF	75			
	SAWS 848		SP848	DUAL 42" GRAVITY SEWER. FRPM ASTM D-3262, SN 72. INCLUSIVE OF EXCAVATION, STRUCTURAL CONCRETE ENCASEMENT, BACKFILL, AND DEWATERING.	LF	75			
	SAWS 848		SP848	54" GRAVITY SEWER. FRPM ASTM D-3262, SN 72. INCLUSIVE OF EXCAVATION, BEDDING, BACKFILL, AND DEWATERING.	LF	106			
	SAWS 849		SP849	AIR AND DEFLECTION TESTING - 42" GRAVITY SEWER.	LF	150			
	SAWS 849		SP849	AIR AND DEFLECTION TESTING - 54" GRAVITY SEWER	LF	106			
	SAWS 866		SP866	SEWER MAIN TELEVISION INSPECTION - 42" GRAVITY SEWER	LF	150			
	SAWS 866		SP866	SEWER MAIN TELEVISION INSPECTION - 54" GRAVITY SEWER	LF	106			
	SAWS 850		SP850	JUNCTION STRUCTURE MANHOLE "A". INCLUSIVE OF STRUCTURAL EXCAVATION, PLUGS, MH RISERS/CONE/RING & COVER, COATING, FLOWABLE FILL, TESTING, CUTTING OF EXISTING PIPE	LS	1			
	SAWS 850		SP850	JUNCTION STRUCTURE MANHOLE "B". INCLUSIVE OF STRUCTURAL EXCAVATION, MH RING AND COVER, COATING, FLOWABLE FILL, TESTING	LS	1			
	SAWS 850		SP850	JUNCTION STRUCTURE MANHOLE "C". INCLUSIVE OF STRUCTURAL EXCAVATION, PLUGS, MH RING & COVER, COATING, FLOWABLE FILL, TESTING, CUTTING OF EXISTING PIPES.	LS	1			
	SAWS 853		SP853	TEE BASE FIBERGLASS MANHOLE, WATERTIGHT, 54" DIA. BASE WITH 60" DIA. RISER	EA	1			
	SAWS 853		SP853	TEE BASE FIBERGLASS EXTRA DEPTH 60" DIA. MANHOLE RISER	VF	8.7			
	SAWS 858		SP858	CONCRETE COLLAR AT CONNECTION OF EXISTING RCP PIPE TO PROPOSED FRPM PIPE	LS	1			
	SAWS 854		SP854	RECONNECT 6" SANITARY SEWER SERVICE. INCLUSIVE OF 48" DIA. MANHOLE.	LS	1			
	SAWS 862		SP862	ABANDON IN-PLACE EXISTING 24" SANITARY SEWER MAIN. INCLUSIVE OF CUTTING/PLUGGING AND GROUTING OF LINE.	LF	246			
	SAWS 862		SP862	ABANDON IN-PLACE EXISTING 54" SANITARY SEWER MAIN. INCLUSIVE OF CUTTING/PLUGGING AND GROUTING OF LINE.	LF	150			
	SAWS 862		SP862	REMOVAL OF EXISTING 24" OR 54" PIPELINE (NO SEPARATE PAY ITEM).	LF	75			
	SAWS 862		SP862	ABANDON IN-PLACE EXISTING SANITARY SEWER MANHOLE / JUNCTION STRUCTURE.	EA	3			
	SAWS 862		SP862	REMOVE EXISTING SANITARY SEWER MANHOLE / JUNCTION STRUCTURE.	EA	2			
	1540			FLOW MANAGEMENT AND BY-PASS PUMPING.	LS	1			

TOTAL C3 SEWER LINE BASE BID \_\_\_\_\_

CPS GAS BASE BID									
				Install Gas Main or Casing (distance as measured along the top of trench) (2" Plastic Pipe and Tracer Wire)	FT	1004			
				Install Gas Main or Casing (distance as measured along the top of trench) (8" Plastic Pipe and Tracer Wire)	FT	2482			

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO.	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
				Rerun and Lower Gas Service off New Main (Main to Meter) Sizes 1" through 4" (Short Side)	EA	2			
				Rerun and Lower Gas Service off New Main (Main to Meter) Sizes 1" through 4" (Long Side)	EA	1			
				Rerun and Lower Gas Service off New Main (Main to 1 ft. inside Prop. Line) Sizes 1" through 4" (Short Side)	EA	2			
				Replace existing steel service riser on customer premises with new anodeless riser, rebuilding to standard, and tie into existing plastic service line (1" through 2" risers)	EA	1			
				Civic Service installation by directional drilling from plastic main. Install 4" plastic pipe from service tap to service riser using directional drilling (includes removal of existing service pipe sections necessary for bore). Length from entry to exit. (Drilling in dirt)	FT	402			
				Uncover and abandon active gas mains only when main is not being replaced. (Includes installation of stoppler fitting(s) on steel mains, purge and plug ends (2" through 4" steel)	EA	2			
				Uncover and kill existing service at the main. Remove service riser when no other service work is done at this location (1-1/4" through 2" service)	EA	2			
				Civic Street Restoration Adjustment, when required. To be used as directed by the CPS Representative (Flowable Fill)	CY	320			
				Civic Street Restoration Adjustment, when required. To be used as directed by the CPS Representative (Asphalt)	SY	960			
				Civic Street Restoration Adjustment, when required. To be used as directed by the CPS Representative (Concrete/Flatwork)	SF	378			
				Contractor to hire TD Williams to provide all labor and necessary fittings for the Plugging and Hot Tapping Operation on existing 16" steel gas main. Contractor to provide any additional labor necessary to complete hot tapping and plugging. (Plug 16" Stopple fitting)	EA	1			

NOTE A:

For each of the items above, the Contractor's work is to include: trenching, joining, testing, coating steel, building and painting risers and meter set-ups, connecting new pipe to existing pipe and installing all necessary fittings for tie-ins such as, stopper fittings and 3-way stopper tees, valves, insulating joints, Installing all necessary cathodic protection devices such as CPTLB's and anodes, sand padding, backfilling and compacting to consistency of original soil, replacing paving, curbs, and sidewalks removed or damaged during construction, and cleanup as may be necessary in each instance.

NOTE B: Trenching is considered to be the normal method of service installation and is required on all service adjustments. A gas service can be rerun by INSERTION, when the old service is PULLED from the riser to one foot inside the property line, ONLY at the discretion of the CPS Energy Inspector.

NOTE C: Bid quantities shown are estimates by CPS Energy. Per foot prices shall be applied to the actual distance measured along the top of the trench or the actual length of the bore, as applicable

NOTE D: Unit prices shall include insurance costs. CPS Energy's insurance requirements are specified in Exhibit GAS-6

NOTE E: The COST to abandon the existing main(s) is not an ADDITIONAL item and is to be included in the Unit Price(s) for this item

TOTAL CPS GAS BASE BID

SUMMARY
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TOTAL STREET AND DRAINAGE BASE BID \$ \_\_\_\_\_ -

TOTAL SAWS SEWER MAIN BASE BID \$ \_\_\_\_\_ -

TOTAL SAWS WATER MAIN BASE BID \$ \_\_\_\_\_ -

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO.	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
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TOTAL DUCTBANK BASE BID \$ \_\_\_\_\_ -

TOTAL PARK MITIGATION BASE BID \$ \_\_\_\_\_ -

TOTAL C3 SEWER BASE BID \$ \_\_\_\_\_ -

TOTAL CPS GAS BASE BID \$ \_\_\_\_\_ -

TOTAL BID AMOUNT \$ \_\_\_\_\_ -

ADDITIVE ALTERNATE BID #1									
	1	COSA 234.1		BASE REINFORCEMENT	SY	5143			
	1	TxDOT 110	2001	STREET EXCAVATION	CY	1612			
	1	TxDOT 132	2003	EMBANKMENT (FINAL)(ORD COMP)(TY B)	CY	93			
	1	TxDOT 162	2002	BLOCK SODDING	SY	129			
A2	1	TxDOT 341	2011	D-GR HMA(QCQA) TY-B PG64-22	TON	3550			
A2	1	TxDOT 341	2048	D-GR HMA(QCQA) TY-C SAC-B PG70-22	TON	1157			
A2	2	TxDOT 354	2021	PLANE ASPH CONC PAV(0" TO 2")	SY	2880			
	1	TxDOT 402	2001	TRENCH EXCAVATION SAFETY PROTECTION	LF	900			
	1	TxDOT 462	2025	PRECAST REINFORCED CONCRETE CULVERT (9' x 6')	LF	40			
	1	TxDOT 462	2062	PRECAST REINFORCED CONCRETE CULVERT (12' x 6')	LF	503			
	1	TxDOT 464	2005	REINFORCED CONCRETE PIPE (CLASS III)(24" DIA)	LF	312			
	1	TxDOT 464	2111	REINFORCED CONCRETE PIPE (CLASS III)(72" DIA)	LF	6			
	1	TxDOT 465	2089	MANH (COMPL) (JUNCT BOX) (TY 1)	EA	2			
	1	TxDOT 465	2091	SPECIAL JUNCTION BOXES (Complete) (15'x12' Drop Structure)	EA	1			
	1	TxDOT 465	2094	MANH (COMPL) (TY2) (PIPE RISER)	EA	2			
	1	TxDOT 465	2145	INLET (COMPL) (TRAFFIC) (TY X-3)	EA	3			
	1	TxDOT 465	2192	INLET EXT (TY I - E)	EA	4			
	1	TxDOT 465	2259	INLET (COMPL) (CURB) (TY I) (10')	EA	6			
	1	TxDOT 465	2405	INLET (COMPL) (CURB) (TY C)	EA	2			
	1	TxDOT 465	2474	INLET (COMPLETE) (TYPE C - E)	EA	2			
	1	TxDOT 465	2305	SPECIAL INLETS (COMPL) (GRATE) (27'x6')	EA	1			
A2	1	TxDOT 506	2041	012 TEMP SDMT CONT FENCE (INLET PROTECT)	LF	245			
	1	TxDOT 512	2008	PORT CTB (FUR & INST) (LOW PROF) (TY 1)	LF	533			
	1	TxDOT 512	2009	PORT CTB (FUR & INST) (LOW PROF) (TY 2)	LF	20			
	1	TxDOT 512	2044	PORT CTB (REMOVE) (LOW PROF) (TY 1)	LF	533			
	1	TxDOT 512	2045	PORT CTB (REMOVE) (LOW PROF) (TY 2)	LF	20			
A2	2	TxDOT 528	2004	LANDSCAPE PAVERS	SY	48			
A2	1	TxDOT 529	2001	CONCRETE CURB TYPE I	LF	1544			
	1	TxDOT 530	2010	CONCRETE DRIVEWAY (COMMERCIAL)	SY	97			
	1	TxDOT 531	2010	CURB RAMPS (TY 7)	EA	7			
	1	TxDOT 531	2015	NEW P.C. CONCRETE SIDEWALKS, 4 IN. THICKNESS	SY	865			
	1	TxDOT 636	2001	ALUMINUM SIGNS (TY A)	SF	41			
	1	TxDOT 644	2001	INS SM RD SN SUP&AM TY 10BWG(1) SA(P)	EA	5			
	1	TxDOT 644	2056	RELOCATE SM RD SN SUP & AM TY 10BWG	EA	1			
	1	TxDOT 644	2060	REMOVE SM RD SN SUP & AM	EA	5			
	1	TxDOT 662	2001	WK ZN PAV MRK NON-REMOV (W) 4" (BRK)	LF	763			
	1	TxDOT 662	2004	WK ZN PAV MRK NON-REMOV (W) 4" (SLD)	LF	534			
A2	1	TxDOT 662	2064	WK ZN PAV MRK REMOV (W) 4" (BRK)	LF	1260			

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO.	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
	1	TxDOT 662	2067	WK ZN PAV MRK REMOV (W) 4" (SLD)	LF	1703			
A2	1	TxDOT 662	2079	WK ZN PAV MRK REMOV (W) 24" (SLD)	LF	81			
A2	1	TxDOT 662	2099	WK ZN PAV MRK REMOV (Y) 4" (SLD)	LF	3246			
A2	1	TxDOT 666	2003	REFLECTORIZED TYPE I THERMO PAVEMENT MARKINGS, 4IN, 100 MILS, WHITE BROKEN	LF	3038			
	1	TxDOT 666	2036	REFLECTORIZED TYPE I THERMO PAVEMENT MARKINGS, 8IN, 100 MILS, WHITE	LF	334			
	1	TxDOT 666	2048	REFLECTORIZED TYPE I THERMO PAVEMENT MARKINGS, 24IN, 100 MILS, WHITE	LF	342			
	1	TxDOT 666	2054	REFL PAV MRK TY I (W) (ARROW) (100MIL)	EA	3			
	1	TxDOT 666	2096	REFL PAV MRK TY I (W) (WORD) (100MIL)	EA	3			
A2	1	TxDOT 666	2111	REFLECTORIZED TYPE I THERMO PAVEMENT MARKINGS, 4IN, 100 MILS, YELLOW SOLID	LF	905			
A2	1	TxDOT 666	2132	REFLECTORIZED TYPE I THERMO PAVEMENT MARKINGS, 24IN, 100 MILS, YELLOW	LF	83			
A2	1	TxDOT 666	2142	REFLECTORIZED TYPE II THERMO PAVEMENT MARKINGS, 4IN, 100 MILS, WHITE BROKEN	EA	3038			
A2	1	TxDOT 666	2153	REFLECTORIZED TYPE II THERMO PAVEMENT MARKINGS, 8IN, 100 MILS, WHITE	LF	334			
A2	1	TxDOT 666	2157	REFLECTORIZED TYPE II THERMO PAVEMENT MARKINGS, 24IN, 100 MILS, WHITE	LF	342			
	1	TxDOT 666	2160	REF PAV MRK TY II (W) (ARROW)	EA	3			
	1	TxDOT 666	2173	REF PAV MRK TY II (W) (WORD)	EA	3			
A2	1	TxDOT 666	2178	REFLECTORIZED TYPE II THERMO PAVEMENT MARKINGS, 4IN, 100 MILS, YELLOW SOLID	LF	905			
A2	1	TxDOT 666	2185	REFLECTORIZED TYPE II THERMO PAVEMENT MARKINGS, 24IN, 100 MILS, YELLOW	LF	83			
	1	TxDOT 672	2015	REFL PAV MRK (TY II A-A)	EA	42			
	1	TxDOT 672	2017	REFL PAV MRKR TY II-C-R	EA	101			
	1	TxDOT 6834	2001	PORTABLE CHANGEABLE MESSAGE SIGN	DAY	240			
	1	COSA 101.1		PREPARING RIGHT-OF-WAY	LS	1			
	1	COSA 100.2		INSURANCE AND BONDING	LS	1			
	1	COSA 100.1		MOBILIZATION	LS	1			

TOTAL ADDITIVE ALTERNATE BID #1 \_\_\_\_\_

ADDITIVE ALTERNATE BID #2									
	2	SS2320.2		INTERPRETIVE PANEL SIGN - MIRAFLORES MASTER PLAN	EA	1			
	2	SS2320.3		INTERPRETIVE PANEL SIGN - SIGNIFICANT SITE FEATURE	EA	3			

TOTAL ADDITIVE ALTERNATE BID #2 \_\_\_\_\_

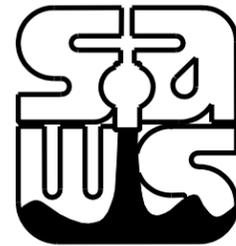
\_\_\_\_\_ certifies that the unit prices shown on this complete computer print-out for all of the bid items and the alternates contained in this proposal are the unit prices intended and that its bid will be tabulated using these unit prices and no other information from this print-out. \_\_\_\_\_ Acknowledged and agrees that the total bid amount shown will be read as its total bid and further agrees that the official total bid amount will be determined by multiplying the unit bid prices shown in this print-out by the respective estimated quantities shown in the proposal and then totaling all of the extended amounts. \_\_\_\_\_ agrees to the terms, conditions, and requirements of the bidder's bid proposal.

Signed: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_

INDEX OF SHEETS	
SHEET NO	DESCRIPTION
1 OF 13	COVER SHEET
2 OF 13	GENERAL NOTES
3 OF 13	OVERALL WATER PLAN
4 OF 13	BROADWAY STA 17+81.19 TO STA 22+00.00
5 OF 13	BROADWAY STA 22+00.00 TO STA 23+60.00
6 OF 13	BROADWAY STA 26+00.00 TO STA 30+00.00
7 OF 13	BROADWAY STA 30+00.00 TO END OF PROJECT
8 OF 13	HILDEBRAND AVE. STA 13+91.40 TO STA 15+00.00
9 OF 13	HILDEBRAND AVE. STA 15+00.00 TO STA 17+00.00
10 OF 13	HILDEBRAND AVE. STA 17+00.00 TO STA 21+00.00
11 OF 13	HILDEBRAND AVE. STA 21+00.00 TO STA 25+00.00
12 OF 13	HILDEBRAND AVE. STA 25+00.00 TO STA: 29+00.00
13 OF 13	HILDEBRAND AVE. STA 29+00 TO STA 31+42.84

# SAN ANTONIO WATER SYSTEM



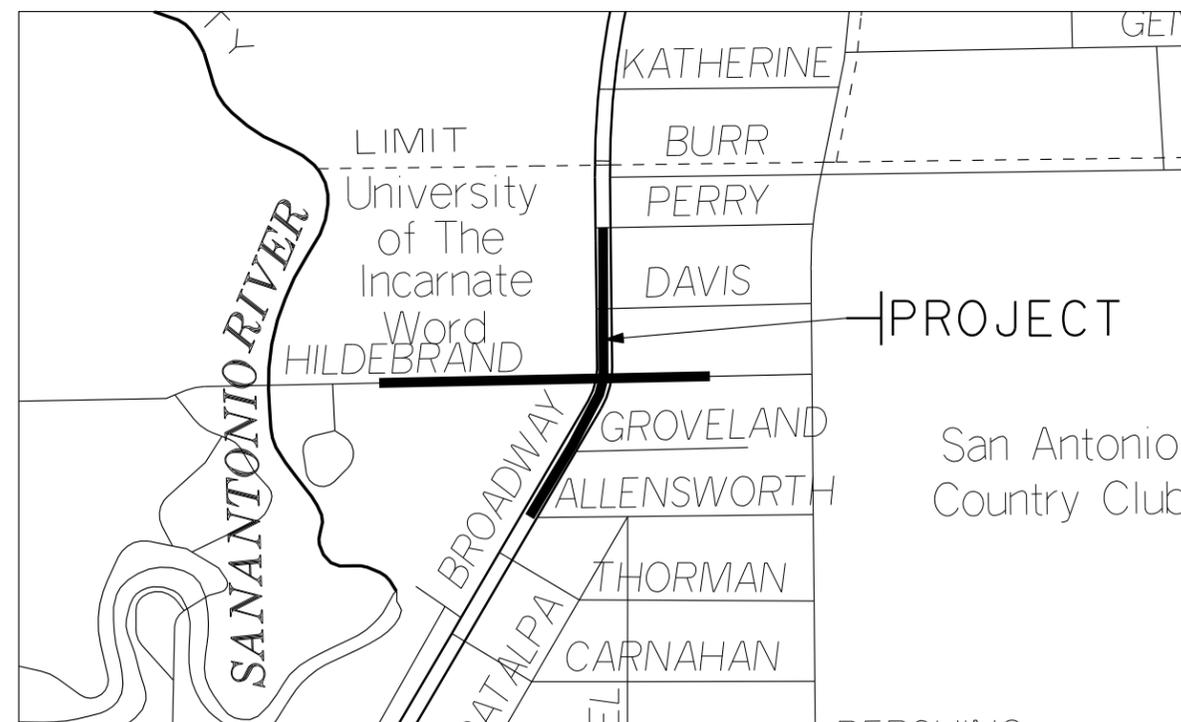
JOB NO: 08-5016

## BROADWAY CORRIDOR PHASE IIIA WATER PLANS

QUANTITY ESTIMATE			
ITEM NO	DESCRIPTION	UNIT	QUANTITY
100	MOBILIZATION	LS	10%
101	PREPARING RIGHT-OF-WAY	LS	5%
511.3	REPLACING WITH HOT ASPH. CONC PVMT. (12" COMP. DEPTH)	S.Y.	1970
550	TRENCH EXCAVATION SAFETY PROTECTION	LF	3895
814	12" DUCTILE IRON PIPE (Restrained)	LF	30
818	4" PVC WATERLINE (Restrained)	LF	35
818	6" PVC WATERLINE (Restrained)	LF	35
818	8" PVC WATERLINE (Restrained)	LF	710
818	12" PVC WATERLINE (Restrained)	LF	3005
818	20" PVC WATERLINE (Restrained)	LF	115
824	RELAY 3/4" SHORT SERVICE	EA	4
824	RELAY 3/4" LONG SERVICE	EA	3
824	RELAY 1" SHORT SERVICE	EA	2
824	RELAY 1" LONG SERVICE	EA	4
824	RELAY 2" SHORT SERVICE	EA	2
824	RELAY 2" LONG SERVICE	EA	1
824	RELAY 4" SHORT SERVICE	EA	2
824	RELAY 6" SHORT SERVICE	EA	3
824	RELAY 8" SHORT SERVICE	EA	3
824	RELAY 8" LONG SERVICE	EA	1
824	NEW 2" LONG SERVICE	EA	1
828	4" GATE VALVE	EA	1
828	6" GATE VALVE	EA	1
828	8" GATE VALVE	EA	6
828	12" GATE VALVE	EA	7
833	EXISTING METER AND METER BOX RELOCATION	EA	17
833	METER BOX	EA	17
834	FIRE HYDRANT	EA	14
836	PIPE FITTINGS, ALL SIZES AND TYPES	TON	7
840	4" WATER TIE IN	EA	1
840	6" WATER TIE IN	EA	4
840	8" WATER TIE IN	EA	1
840	10" WATER TIE IN	EA	1
840	20" WATER TIE IN	EA	2
841	HYDROSTATIC TESTING	EA	7
844	2" BLOWOFF ASSEMBLY (PERMANENT)	EA	3
844	2" BLOWOFF ASSEMBLY (TEMPORARY)	EA	5
844	4" BLOWOFF ASSEMBLY (TEMPORARY)	EA	1
846	1" AIR RELEASE VALVE	EA	1
856.2	18" CARRIER PIPE	LF	42
856.2	24" CARRIER PIPE	LF	44
856.2	36" CARRIER PIPE	LF	30
856.3	CASING 18"	LF	42
856.3	CASING 24"	LF	44
856.3	CASING 36"	LF	30
858	CONCRETE SADDLE	CY	10
1010	FLOWABLE FILL	CY	550
3000.14	REMOVAL, TRANSPORTATION AND DISPOSAL OF AC PIPE	LS	1
3000.15	ASBESTOS ABATEMENT WORK PLANS	LS	1

SUMMARY OF QUANTITY FOR WATER PER SHEET													
ITEM NO	DESCRIPTION		SHT 4	SHT 5	SHT 6	SHT 7	SHT 8	SHT 9	SHT 10	SHT 11	SHT 12	SHT 13	TOTAL
100	MOBILIZATION	LS											10%
101	PREPARING RIGHT-OF-WAY	LS											5%
511.3	REPLACING WITH HOT ASPH. CONC PVMT. (12" COMP. DEPTH)	S.Y.											1970
550	TRENCH EXCAVATION SAFETY PROTECTION	LF	755	200	620	525	70	560	390	255	520		3895
814	12" DUCTILE IRON PIPE (Restrained)	LF					30						30
818	4" PVC WATERLINE (Restrained)	LF	35										35
818	6" PVC WATERLINE (Restrained)	LF	35										35
818	8" PVC WATERLINE (Restrained)	LF	235		155	175					145		710
818	12" PVC WATERLINE (Restrained)	LF	370	200	465	350	40	560	390	255	375		3005
818	20" PVC WATERLINE (Restrained)	LF	115										115
824	RELAY 3/4" SHORT SERVICE	EA	3										4
824	RELAY 3/4" LONG SERVICE	EA										3	3
824	RELAY 1" SHORT SERVICE	EA					1					1	2
824	RELAY 1" LONG SERVICE	EA			1				1		1	1	4
824	RELAY 2" SHORT SERVICE	EA		1						1			2
824	RELAY 2" LONG SERVICE	EA							1				1
824	RELAY 4" SHORT SERVICE	EA		1			1						2
824	RELAY 6" SHORT SERVICE	EA	1						2				3
824	RELAY 8" SHORT SERVICE	EA	1	1					1				3
824	RELAY 8" LONG SERVICE	EA								1			1
824	NEW 2" LONG SERVICE	EA						1	1				1
828	4" GATE VALVE	EA		1									1
828	6" GATE VALVE	EA	1										1
828	8" GATE VALVE	EA	2	1	1	1							6
828	12" GATE VALVE	EA	1		2				1		3		7
833	EXISTING METER AND METER BOX RELOCATION	EA	5	1	1	1	1		2	1	1	1	17
833	METER BOX	EA	5	1	1	1	1		2	1	1	1	17
834	FIRE HYDRANT	EA	3	1	2	1		1	2	2	2		14
836	PIPE FITTINGS, ALL SIZES AND TYPES	TON											7
840	4" WATER TIE IN	EA	1										1
840	6" WATER TIE IN	EA	2		1	1							4
840	8" WATER TIE IN	EA									1		1
840	10" WATER TIE IN	EA	1										1
840	20" WATER TIE IN	EA	2										2
841	HYDROSTATIC TESTING	EA											7
844	2" BLOWOFF ASSEMBLY (PERMANENT)	EA	1				1	1					3
844	2" BLOWOFF ASSEMBLY (TEMPORARY)	EA	2		1	1					1		5
844	4" BLOWOFF ASSEMBLY (TEMPORARY)	EA	1										1
846	1" AIR RELEASE VALVE	EA					1						1
856.2	18" CARRIER PIPE	LF	42										42
856.2	24" CARRIER PIPE	LF			44								44
856.2	36" CARRIER PIPE	LF	30										30
856.3	CASING 18"	LF	42										42
856.3	CASING 24"	LF			44								44
856.3	CASING 36"	LF	30										30
858	CONCRETE SADDLE	CY	1	1	1	1		1	2.5	1	1.5		10
1010	FLOWABLE FILL	CY											550
3000.14	REMOVAL, TRANSPORTATION AND DISPOSAL OF AC PIPE	LS											1
3000.15	ASBESTOS ABATEMENT WORK PLANS	LS											1

PLEASE NOTE: WATER LINE UNDER STORM SEWER AND UTILITY CROSSING SHALL BE DUCTILE IRON PIPE (12", 8", 6" ITEM 814)



LOCATION MAP  
NOT TO SCALE

12-20-2010 (ORIGINAL)  
01-26-2011 (REVISED)  
APPENDUM No. 3  
01-31-2011 (REVISED)



UNITECH CONSULTING ENGINEERS, INC.

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WWW.UNITECH.COM

**CITY OF SAN ANTONIO**

**DEPARTMENT OF CAPITAL IMPROVEMENTS MANAGEMENT SERVICES**

**CONTRACT SERVICES DIVISION**

**RECEIPT OF ADDENDUM NUMBER(S) 3 IS HEREBY ACKNOWLEDGED FOR  
PLANS AND SPECIFICATIONS FOR CONSTRUCTION OF:**

**Broadway Corridor Phase IIIA**

FOR WHICH BIDS WILL BE OPENED ON **February 2, 2011**

**THIS ACKNOWLEDGEMENT MUST BE SIGNED AND THE ORIGINAL RETURNED  
WITH THE BID PACKAGE.**

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

City/State/Zip Code: \_\_\_\_\_

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

SIGNED: \_\_\_\_\_

BY: \_\_\_\_\_

Print Name

Title

**NOTICE TO PLANHOLDERS:**

**Please insert this Addendum into your copy of the project Construction Documents.**