

SAN ANTONIO WATER SYSTEM

**SAWS Desalination Production Well
Construction Services – Package I
Wells BGD 5-8
Job No. : 10-8610
Solicitation No.: B-11-036-DD**

**Addendum No.: 1
February 7, 2012**

To the Respondent of Record:

This Addendum, applicable to work designed above, is an amendment to the bidding documents and such will be a part of and included in the Contract. Acknowledge receipt of this Addendum by the entering the Addendum number in the space provided in submitted copies of the Price Proposal.

A. Division 0 – BIDDING AND CONTRACT REQUIREMENTS

1. CHANGE IN PROPOSAL DATE

Section IV – INVITATION FOR COMPETITIVE SEALED PROPOSALS: The Proposal Date for this Project has been changed from 2:00 p.m., February 17, 2012 to 3:00 p.m., February 20, 2012. The place for submittal of Proposal remains the same.

2. INSTRUCTIONS TO RESPONDENTS

Section IR – INSTRUCTIONS TO RESPONDENTS: Delete Paragraph 4., Page IR-2, and replace in its entirety with:

“4. Proposals must be submitted with the original price proposal form attached herein and shall be sealed in an envelope or box with all other required original documents in an envelope plainly marked on the outside with the job number, date and time of the solicitation deadline, the solicitation number, and the project name. A second box or envelope plainly marked shall also be submitted with the required number of copies.

3. INSTRUCTIONS TO RESPONDENTS

Section IR – INSTRUCTIONS TO RESPONDENTS: Paragraph 9., Page IR-4, Delete “In all cases, the written unit price in the offer shall govern.”

4. SUPPLEMENTARY INSTRUCTIONS TO RESPONDENTS

ADDENDUM No. 1
February 7, 2012

Section SIR – SUPPLEMENTARY INSTRUCTIONS TO RESPONDENTS:
 Paragraph 2.A.c.i.h., Page SIR-3, Delete “Please note that the Contractor is required to provide and maintain a drilling rig with a minimum 200,000-lb. hook load capacity for well construction.” and Replace with “Please note that the Contractor is required to provide and maintain a drilling rig with a minimum 150,000-lb. hook load capacity for well construction.”

5. SUPPLEMENTARY INSTRUCTIONS TO RESPONDENTS

Section SIR – SUPPLEMENTARY INSTRUCTIONS TO RESPONDENTS:
 Delete Paragraph 2.B.c., Page SIR-6, and replace in its entirety with:

“c. Proposals shall be submitted in two (2) separate envelopes or boxes 1) Original (including the price proposal) 2) Seven (7) copies.”

6. SUPPLEMENTARY INSTRUCTIONS TO RESPONDENTS

Section SIR – SUPPLEMENTARY INSTRUCTIONS TO RESPONDENTS:
 Delete Paragraph 2.A.c.iii., Page SIR-3, and replace in its entirety with:

“iii. The Proposal with the lowest price total will receive 25 of the available thirty (30) points. All other proposals will receive a percentage of the 25 points based on a comparison with the lowest priced proposal.

Example:

Proposal	Amount	Calculation	Points Earned
A	450,000	$(250,000/450,000) \times 25$	14
B	300,000	$(250,000/300,000) \times 25$	20.75
C	250,000	$(250,000/250,000) \times 25$	25

The remaining five (5) points will be available for proposals that meet or are less than the estimated construction cost. The points will be distributed as follows:

- >15% below the estimated construction cost = five (5) points
- 14.99% - 11% below the estimated construction cost= four (4) points
- 10.99% -7% below the estimated construction cost = three (3) points
- 6.99% - 3% below the estimated construction cost = two (2) points
- 2.99 % or 0% below the estimated construction cost = one (1)”

7. SUBMITTAL CHECKLIST

Section CL – SUBMITTAL CHECKLIST: Replace Document in its entirety.

8. PRICE PROPOSAL

Section PP – PRICE PROPOSAL: Replace this Document in its entirety. Replace pages PP-1 through PP-9 with revised pages PP-1 through PP-10.

9. **PROPOSAL CERTIFICATION**
Section BP – PROPOSAL CERTIFICATION: Delete Page BP-3. The revised Proposal Certification page is included as Page PP-10 of Section PP - PRICE PROPOSAL.
10. **GOOD FAITH EFFORT PLAN**
Section GFEP – GOOD FAITH EFFORT PLAN: Replace Document in its entirety.
11. **SMWB SUBCONTRACTOR REPORTING**
Section SMWB – SMWB Subcontractor Reporting: Replace Document in its entirety.
12. **GENERAL CONDITIONS**
Section GC – GENERAL CONDITIONS OF THE CONTRACT: Page GC-20. Remove Section 5.7.1.1.8., Page GC-20. Builder’s Risk line of coverage from Article V. CONTRACTORS RESPONSIBILITIES, Section 5.7 Contractors Insurance Requirements of SAWS General Conditions as Builder’s Risk insurance will not be required. All other insurance requirements remain.

B. Division 1 – GENERAL REQUIREMENTS

1. Section 01270 – MEASUREMENT AND BASIS OF PAYMENT: Page 01270-7, Delete Item No. 12 and replace in its entirety with:

“Item No. 12 - Furnish and Install 16-Inch nominal diameter High-Strength, Low-Alloy (ASTM A 606-04) Steel Casing

1. Description - This item includes all work associated with furnishing and installing 16-inch nominal diameter high-strength, 0.375-inch wall thickness, low-alloy (ASTM A 606 Type 4) steel casing (constructed in accordance with ASTM A 139), and casing vent. The work includes providing all materials, labor, supervision, equipment, tools, and all other incidentals necessary to complete the work in place and restore the site to its original condition.
2. Measurement - Measurement of the item “Furnish and Install 16-Inch nominal diameter High-Strength, Low-Alloy (ASTM A 606-04) Steel Casing” will be based on the number of linear feet of casing (including 3 feet above ground) installed, tested, and accepted, all in accordance with the Contract Documents.
3. Payment - Payment for furnishing and installing 16-inch nominal diameter, high-strength, low-alloy (ASTM A 606 Type 4) steel

casing (constructed in accordance with ASTM A 139) shall be at the unit price per linear foot indicated in the Bid Schedule, which price shall constitute full compensation for the completed WORK all in accordance with the Contract Documents. This includes, but is not limited to, all materials, tools, labor, equipment, supplies, permits, removal and disposal of waste or excess materials, etc. necessary to have the 16-inch nominal diameter high-strength, low-alloy (ASTM A 606 Type 4) steel casing (constructed in accordance with ASTM A 139) installed, tested, accepted, and ready for use as its intended purpose. Payment for this item will not be made until the results of the continuous alignment survey and casing pressure testing are received and accepted by the ENGINEER.”

2. Section 01270 – MEASUREMENT AND BASIS OF PAYMENT: Page 01270-9, Delete Item No. 15 and replace in its entirety with:

“Item No. 15 - Furnish and Install 10-Inch Nominal Diameter, Type 316L Stainless Steel Blank Pipe

1. Description - This item includes all work associated with furnishing and installing 10-inch nominal diameter, 0.365-inch wall thickness, Type 316L stainless steel casing constructed in accordance with ASTM A 778. The work includes providing all materials, labor, supervision, equipment, tools, and all other incidentals necessary to complete the work in place and restore the site to its original condition.
 2. Measurement - Measurement of the item “Furnish and Install 10-Inch Nominal Diameter, Type 316L Stainless Steel Blank Pipe” will be based on the number of linear feet of casing installed, tested, and accepted, all in accordance with the Contract Documents.
 3. Payment - Payment for furnishing and installing 10-inch nominal diameter, Type 316L stainless steel casing constructed in accordance with ASTM A 778 shall be at the unit price per linear foot indicated in the Bid Schedule, which price shall constitute full compensation for the completed WORK all in accordance with the Contract Documents. This includes, but is not limited to, all materials, tools, labor, equipment, supplies, permits, removal and disposal of waste or excess materials, etc. necessary to have the 10-inch nominal diameter, stainless steel casing installed, tested, accepted, and ready for use as its intended purpose.”
3. Add Section 01322 – CONSTRUCTION PHOTOGRAPHS AND VIDEO SURVEYS: Pages 01322-1 through 01322-2.

C. Division 2 – SITE WORK

1. Section 02634 – WILCOX PRODUCTION WELLS: Page 02634-5, Delete Paragraph 2.01.B. and replace with:

“B. Well Casing: The well casing shall be 16-inch nominal diameter with a minimum wall thickness of 0.437-inch. The CONTRACTOR will be required provide line item prices for casing. SAWS will make the casing material selection based upon the bids received. The following casing materials are acceptable:

1. High-strength, low-alloy (HSLA) steel casing meeting the requirements of ASTM A 606-04 and constructed in accordance with ASTM A 139. The well casing shall be 16-inch nominal diameter with a minimum wall thickness of 0.437-inch and factory assembled in sections of not less than 20 feet in length. Smaller lengths of 5 and 10 feet may be used upon approval of the ENGINEER to accommodate the final well design.

The casing lengths shall be joined using a welding collar installed at the factory or joined with plain ends beveled for welding. Collars shall be high strength, low alloy steel meeting the requirements of ASTM A 606-Type 4, of the same type and thickness as the corresponding casing section, 2-inches minimum in width, rolled to fit the outside diameter, and welded to the casing section. The inside edge of the casing collars shall be ground or sufficiently scarified to remove sharp edges or burrs. Section ends shall be machined flat perpendicular to the axis of the casing and shall not vary more than 0.010 inch at any point from a true plane at right angles to the axis of the casing. Casing joints shall be welded in accordance with ANSI/AWS D1.1 and AWS D10.9.”

2. Section 02634 – WILCOX PRODUCTION WELLS: Page 02634-6, Delete Paragraph 2.01.D. and replace with:

“D. Production Casing: The production casing shall consist of stainless steel wire wrapped screen sections and stainless steel blanks in between screen sections.

1. Traditional rod-based or pipe-based, wire-wound, continuous-slot screen well screen shall be used. Where specified, the well screens or any pipe base shall be 10-inch nominal diameter and manufactured of AISI Type 316L stainless steel. The well screens shall be Weatherford Johnson® Screens or equal. Screens installed above a depth of 1,900 feet shall be rod-based of at least extra heavy construction. The well screens shall be designed and manufactured

to withstand tensile and collapse pressures for typical installation to the depths of their settings. Provide data on the collapse pressure and tensile strength of the screen. The well screens shall utilize the continuous slot, rod-based, wire-wrapped design with V-type wire to provide maximum inlet area consistent with strength requirements. Screened intervals may include blank sections of casing, no less than ten (10) feet in length. The blank casing intervals shall utilize AISI Type 316L stainless steel casing meeting the requirements of ASTM A 312 or ASTM A 778. The blank casing shall be 10-inch diameter with a minimum wall thickness of 0.365-inch factory assembled in sections of not less than 20 feet in length. Well screen assembly shall include a 10-foot sump consisting of blank, AISI Type 316L stainless steel casing meeting the requirements of ASTM A 312 or ASTM A 778. The diameter and wall thickness of any screen pipe base shall be same as that of the blank casing between screens.

For bidding purposes, a screen slot size ranging from 0.020 to 0.045 inch should be assumed. Actual slot size and screen length will be reviewed by the ENGINEER based on the sieve analyses from the pilot bore hole.

If screens are supplied in lengths less than 20 feet, they shall be manufactured with AISI Type 316L stainless steel with weld rings optional and attached to each end. The weld rings shall be standard available lengths as requested by the CONTRACTOR and approved by the ENGINEER. The screen section ends shall be square to 1/16-inch over the first two feet of the assembly and the assembly straight to within 1/8-inch over any 10 foot length of screen. If weld rings are not used, the screen section ends shall be plain end beveled.”

D. DRAWINGS

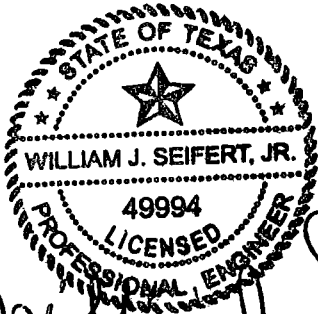
1. Drawing C-2.0: Delete the label “Hardy Road” on the north-south road and replace with “Mathis Road”.
4. Drawing C-4.0: Delete the label “Hardy Road Bore” and replace with “Mathis Road Bore”.
5. Replace Drawing C-7.0 in its entirety.
6. Replace Drawing C-8.0 in its entirety.

The PreProposal Sign In Sheet is attached.

ACKNOWLEDGEMENT BY RESPONDENT

Each Respondent shall acknowledge receipt of this Addendum in the space provided in the Price Proposal.

February 7, 2012
LBG-Guyton Associates
TBPE No. F-4432



WILLIAM J. SEIFERT, JR.
49994
LICENSED
PROFESSIONAL ENGINEER

William J. Seifert, Jr.

SUBMITTAL CHECKLIST

Project Name: Desalination Production Well Construction Services – Package I, Wells BGD 5-8
Solicitation Number: B-11-036-DD

Use this checklist to ensure that the entire proposal packet is complete by checking off each item included in both envelopes. Sign and date this form and include this page with each submittal.

ORIGINAL SUBMITTAL-1 (sealed envelope or box)

- Submittal Checklist
- Price Proposal
- Good Faith Effort Plan (Reference SIR-4 and SIR -5)
- Financial Statement
- Conflict of Interest Questionnaire
- Bid Bond/Cashier's Check
- W-9
- TWDB-0459
- Proof of Insurability (Letter from Insurer or Sample Certificate of Insurance)
- Respondent Questionnaire
- Background, Experience, and Qualifications narrative (Reference page SIR-1, SIR-2 & SIR-3)
 - Past Experience
 - References (with contact information provided)
- Proposed Plan and Quality Program narrative (Reference page SIR-3)
- Safety Program narrative (Reference page SIR-4)
- Acknowledgement of Addendum(s)

COPIES -7 (sealed envelope or box)

- Submittal Checklist
- Respondent Questionnaire
- Background, Experience, and Qualifications narrative (Reference page SIR-1, SIR-2 & SIR-3)
 - Past Experience
 - References
- Proposed Plan and Quality Program narrative (Reference page SIR-3)
- Safety Program narrative (Reference page SIR-4)
- Acknowledgement of Addendum(s)

I certify that the proposal packet submitted includes the items as indicated above.

Signature

Date

Printed Name

Title

PRICE PROPOSAL

PROPOSAL OF _____, corporation,
 a partnership consisting of _____,
 an individual doing business as _____,

THE SAN ANTONIO WATER SYSTEM:

Pursuant to Instructions and Invitations to Respondent, the undersigned proposes to furnish all labor and materials as specified and perform all work required for the construction of wells and appurtenances, San Antonio Water System Job Number 10-8610 in accordance with the Plans and Specifications for the following prices to wit:

PRICE SCHEDULE - UNIT PRICE

Schedule of prices for CONSTRUCTION OF PRODUCTION WELLS BGD-5 THROUGH BGD-8 in accordance with the Contract Documents. Respondent must complete entire schedule.

Notes:

- Total price includes costs for furnishing all tools, equipment, materials, supplies and manufactured articles and furnishing all labor, transportation, and services, including fuel power, water and essential communication and performing all the work, or other operations required for the contract in strict accordance with the contract documents. Any item not specifically called out under each unit item shall be included under a unit item listed that is closely related to a missing item. CONTRACTOR is directed to the Measurement and Payment section of this document for a description of each unit item.

- | | | | |
|------------------|-----------------|--------------|------------------|
| 2. LS = Lump sum | HR = Hour | Sack = Sacks | CY = Cubic yard |
| LF = Linear feet | CF = Cubic feet | EA = Each | SY = Square yard |
| LB = Pound | GAL = Gallon | TON = Tons | ACRE = Acre |

Item No.	Description	Estimated Quantity	Unit	Unit Price	Extended Amount
PART 1: Production Well Construction (Four (4) Sites)					
1.	Drill Pilot Hole	7,800	LF	\$ _____	\$ _____
	Unit Price in Words				
2.	Pilot Hole Geophysical Logging Suite (Base Bid)	4	EA	\$ _____	\$ _____
	Unit Price in Words				
3.	Perform Nuclear Magnetic Resonance (NMR) Log	2	EA	\$ _____	\$ _____
	Unit Price in Words				

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Item No.	Description	Estimated Quantity	Unit	Unit Price	Extended Amount
4.	Post Processing of Geophysical Logging Data When Nuclear Magnetic Resonance Log is Run Unit Price in Words	2	EA	\$ _____	\$ _____
5.	Complete Water Sampling Operation of Pilot Hole Between Depths of 800 to 1,200 feet Unit Price in Words	2	EA	\$ _____	\$ _____
6.	Complete Water Sampling Operation of Pilot Hole Between Depths of 1,201 and 1,900 feet Unit Price in Words	2	EA	\$ _____	\$ _____
7.	Additional Development Pumping During Water Sampling Operation Unit Price in Words	36	HR	\$ _____	\$ _____
8.	Abandonment of Pilot Hole Unit Price in Words	1,000	LF	\$ _____	\$ _____
9.	Ream Pilot Hole to a Minimum Nominal 22-inch Diameter Unit Price in Words	4,290	LF	\$ _____	\$ _____
10.	Underream Pilot Hole to a Minimum Nominal 20-inch Diameter Unit Price in Words	2,410	LF	\$ _____	\$ _____
11.	Continuous Alignment Survey and Caliper Survey of Reamed Borehole Unit Price in Words	4	EA	\$ _____	\$ _____
12.	Furnish and Install 16-inch nominal diameter High-Strength, Low-Alloy (ASTM A606-04) Steel Casing (Base Bid) Unit Price in Words	4,290	LF	\$ _____	\$ _____
13.	Caliper Survey of Underreamed Borehole Unit Price in Words	4	EA	\$ _____	\$ _____

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Item No.	Description	Estimated Quantity	Unit	Unit Price	Extended Amount
14.	Furnish and Install 10-inch Nominal Diameter, Continuous-Slot, Wire-Wound, Rod-Based, Stainless Steel, Screen (Base Bid)	1,200	LF	\$ _____	\$ _____
	Unit Price in Words				
15.	Furnish and Install 10-inch Nominal Diameter, Type 316L Stainless Steel Blank Pipe (Base Bid)	1,530	LF	\$ _____	\$ _____
	Unit Price in Words				
16.	Furnish and Install Filter Pack	2,730	LF	\$ _____	\$ _____
	Unit Price in Words				
17.	Furnish and Emplace API Class A Cement with Approved Additives	4,290	LF	\$ _____	\$ _____
	Unit Price in Words				
18.	Well Development, Step Tests, Constant-Discharge Pumping Test and Recovery	4	EA	\$ _____	\$ _____
	Unit Price in Words				
19.	Furnish, Install and Remove Temporary Piping, Booster Pumps, Valves and Road Crossings to Convey Development and Pumping Test Waters to Water Storage Pond A and Pond B	1	EA	\$ _____	\$ _____
	Unit Price in Words				
20.	Furnish, Install and Remove Temporary Piping, Booster Pumps, Valves and Road Crossings to Convey Development and Pumping Test Waters from BGD-8	1	EA	\$ _____	\$ _____
	Unit Price in Words				
21.	Furnish, Install and Remove Irrigation System for Area A	1	EA	\$ _____	\$ _____
	Unit Price in Words				
22.	Furnish, Install and Remove Irrigation System for Area B	1	EA	\$ _____	\$ _____
	Unit Price in Words				
23.	Operation of Irrigation System	800	HR	\$ _____	\$ _____
	Unit Price in Words				

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Item No.	Description	Estimated Quantity	Unit	Unit Price	Extended Amount
24.	Water Quality Sampling and Analyses	4	EA	\$ _____	\$ _____
	Unit Price in Words				
25.	Well Disinfection	4	EA	\$ _____	\$ _____
	Unit Price in Words				
26.	Final Well Color Video Log	4	EA	\$ _____	\$ _____
	Unit Price in Words				
27.	Standby Time at the Direction of the ENGINEER	100	HR	\$ _____	\$ _____
	Unit Price in Words				
28.	Additional Hours of Pumping for Constant-Discharge Pumping Test	90	HR	\$ _____	\$ _____
	Unit Price in Words				
29.	Furnish and Install Pressure Transducer, Polyurethane Cable, External Battery and Communication Cable	2	EA	\$ _____	\$ _____
	Unit Price in Words				
	SUBTOTAL (Part 1)			\$ _____	
				(Price in Figures)	
	Subtotal Price in Words				
PART 2: Site Work					
1.	Site Clearing	4	EA	\$ _____	\$ _____
	Unit Price in Words				
2.	Erosion Control	4	EA	\$ _____	\$ _____
	Unit Price in Words				
3.	10-Foot by 10-Foot Chain Link Fence with Gate	2	EA	\$ _____	\$ _____
	Unit Price in Words				
4.	Extra Fencing	1,000	LF	\$ _____	\$ _____
	Unit Price in Words				
5.	Gates	4	EA	\$ _____	\$ _____
	Unit Price in Words				
6.	Excavation for Water Storage Ponds	12,000	CY	\$ _____	\$ _____
	Unit Price in Words				

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Item No.	Description	Estimated Quantity	Unit	Unit Price	Extended Amount
7.	Corrugated Galvanized Metal Pipe (24" Dia) at Water Storage Pond	200	LF	\$ _____	\$ _____
	Unit Price in Words				
8.	Rock RipRap (8" Depth) at Water Storage Pond Culverts	100	SY	\$ _____	\$ _____
	Unit Price in Words				
9.	Hydromulch Seeding of Native Grass in Disturbed Areas	60	0.1 Acre	\$ _____	\$ _____
	Unit Price in Words				
10.	Noise Barrier	400	LF	\$ _____	\$ _____
	Unit Price in Words				
	SUBTOTAL (Part 2)			\$ _____	
				(Price in Figures)	
	Subtotal Price in Words				

PART 3: Mathis Road Bore Crossings

The following items should be completed by the Bidder. These items may be used in the evaluation of the bid.

1.	Gravel Driveway	30	SY	\$ _____	\$ _____
	Unit Price in Words				
2.	Remove and Replace Existing Wire Fence	120	LF	\$ _____	\$ _____
	Unit Price in Words				
3.	Hydromulching	430	SY	\$ _____	\$ _____
	Unit Price in Words				
4.	Temporary Sediment Control Fence	285	LF	\$ _____	\$ _____
	Unit Price in Words				
5.	14-Inch High Density Polyethylene Pipe (DR 11)	280	LF	\$ _____	\$ _____
	Unit Price in Words				
6.	Pipe Fittings, all sizes and types	500	LB	\$ _____	\$ _____
	Unit Price in Words				
7.	Hydrostatic Testing	1	EA	\$ _____	\$ _____
	Unit Price in Words				

Item No.	Description	Estimated Quantity	Unit	Unit Price	Extended Amount
8.	Jacking, Boring, or Tunneling 30 Inches	70	LF	\$ _____	\$ _____
	Unit Price in Words				
9.	Jacking, Boring, or Tunneling 66 Inches	70	LF	\$ _____	\$ _____
	Unit Price in Words				
10.	Steel Casing 30 Inches	70	LF	\$ _____	\$ _____
	Unit Price in Words				
11.	Steel Casing 66 Inches	70	LF	\$ _____	\$ _____
	Unit Price in Words				
	SUBTOTAL (Part 3)			\$ _____	
				(Price in Figures)	
	Subtotal Price in Words				

PART 4: Additional Bid Items

The following items should be completed by the Bidder. These items may be used in the evaluation of the bid.

1.	Furnish and Operate a Minimum 135 Horsepower Track Dozer	4	6 HR	\$ _____	\$ _____
	Unit Price in Words				
2.	Add for Additional Operation of Minimum 135 Horsepower Track Dozer	60	HR	\$ _____	\$ _____
	Unit Price in Words				
3.	Furnish and Operate a Minimum 70 Horsepower Track Dozer	4	6HR	\$ _____	\$ _____
	Unit Price in Words				
4.	Add for Additional Operation of Minimum 70 Horsepower Track Dozer	60	HR	\$ _____	\$ _____
	Unit Price in Words				
5.	Furnish and Install Centrifugal Pump and Piping to Pump Water From Water Storage Pond A	1	EA	\$ _____	\$ _____
	Unit Price in Words				
6.	Operation of Centrifugal Pump to Pump Water From Water Storage Pond A	200	HR	\$ _____	\$ _____
	Unit Price in Words				

Item No.	Description	Estimated Quantity	Unit	Unit Price	Extended Amount
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SUBTOTAL (Part 4) \$ _____
(Price in Figures)

Subtotal Price in Words

SUBTOTAL (Parts 1, 2, 3 and 4) \$ _____
(Price in Figures)

Subtotal Price in Words

PART 5: Project Mobilization/Demobilization

1. Mobilization/Demobilization for Parts 1, 2, 3 and 4 (See NOTE on PP-7.) 1 LS \$ _____ \$ _____

Unit Price in Words

2. Drilling Rig Setup, Site Leveling and Fencing at Production Well Sites (Part 1) (See NOTE on PP-7.) 4 EA \$ _____ \$ _____

Unit Price in Words

SUBTOTAL (Part 5) _____ Percent \$ _____
(Maximum 10% of Subtotal Parts 1 - 4) (Price in Figures)

Unit Price in Words

PART 6: Preparation of Right of Way (ROW)

The following items should be completed by the Respondent. These items may be used in the evaluation of the Price Proposal.

1. Preparing Right of Way for Part 3 1 LS \$ _____ \$ _____

Unit Price in Words

SUBTOTAL (Part 6) _____ Percent \$ _____
(Maximum 5% of Subtotal Part 3) (Price in Figures)

Unit Price in Words

NOTE: The sum of Part 5, Items 1 and 2 shall not exceed ten percent (10%) of the TOTAL PRICE (Part 1, Part 2, Part 3 and Part 4). Part 6, Item 1 shall not exceed five percent (5%) of the TOTAL PRICE for Part 3. **In the event of a discrepancy between the written percentage and dollar amount shown for Project Mobilization/Demobilization and Preparation of Right of Way items, the written percentage will govern. If the percentage written exceeds the allowable maximum stated for mobilization and or preparation of right of way, SAWS reserves the right to cap the amount at the percentages shown and adjust the extensions of the proposal price items accordingly.**

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TOTAL BASE PRICE (Parts 1, 2, 3, 4, 5 and 6) \$ _____
(Price in Figures)

(Price in Words) _____

PART 7: Addenda Verification

The Respondent acknowledges receipt of the following addenda:

No. _____	Dated _____	Signed _____
No. _____	Dated _____	Signed _____
No. _____	Dated _____	Signed _____

OWNER RESERVES THE RIGHT TO ACCEPT THE OVERALL MOST RESPONSIBLE PRICE PROPOSAL.

The Respondent offers to construct the Project in accordance with the Contract Documents for the contract price, and achieve final completion within **365** calendar days after the start date, as set forth in the Authorization to Proceed. **The Respondent understands and accepts the provisions of the contract Documents relating to liquidated damages of the project if not completed on time.**

Complete the additional requirements of the Price Proposal which are included in the SUBMITTAL CHECKLIST.

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PRODUCTION WELL TABLE

Production Well No.	Estimated Pilot Hole Depth, ft	Estimated 16-inch Low Alloy Casing Depth and Length, ft	Estimated 10-inch Stainless Steel Casing (With 80' Lap) Length, ft	Estimated Length of Stainless Steel Rod Base Screen, ft	Estimated Depth to Top of 10-inch Screen, ft	Estimated Gravel Pack Length, ft	Estimated Total Well Depth, ft
<u>Site 5</u> BGD-5	1,900	1,020	410	300	1,030	720	1,650
<u>Site 6</u> BGD-6	1,900	1,040	340	300	1,050	650	1,600
<u>Site 7</u> BGD-7	1,850	1,090	390	300	1,100	700	1,700
<u>Site 8</u> BGD-8	1,850	1,140	390	300	1,150	700	1,750

PROPOSAL CERTIFICATION

Accompanying this proposal is a Bid Bond or Certified or Cashier's Check on a State or National Bank payable to the Order of the San Antonio Water System for _____ dollars (\$ _____), which amount represents five percent (5%) of the total bid price. Said bond or check is to be returned to the bidder unless the proposal is accepted and the bidder fails to execute and file a contract within 10 calendar days after the award of the Contract, in which case the check shall become the property of said San Antonio Water System, and shall be considered as payment for damages due to delay and other inconveniences suffered by said San Antonio Water System due to the failure of the bidder to execute the contract. The San Antonio Water System reserves the right to reject any and all bids.

It is anticipated that the Owner will act on this proposal within 60 calendar days after the bid opening. Upon acceptance and award of the contract to the undersigned by the Owner, the undersigned shall execute standard San Antonio Water System Contract Documents and make Performance and Payment Bonds for the full amount of the contract within 10 calendar days after the award of the Contract to secure proper compliance with the terms and provisions of the contract, to insure and guarantee the work until final completion and acceptance, and the guarantee period stipulated, and to guarantee payment of all lawful claims for labor performed and materials furnished in the fulfillment of the contract.

It is anticipated that the Owner will provide written Authorization to Proceed within 30 days after the award of the Contract.

The Contractor hereby agrees to commence work under this Contract within seven (7) calendar days after issuance by the SAWS of the written Authorization to Proceed. Under no circumstances shall the work commence prior to Contractor's receipt of SAWS issued, written Authorization to Proceed. Work shall be completed in full within ___ consecutive calendar days.

The undersigned certifies that the bid prices contained in the proposal have been carefully checked and are submitted as correct and final.

In completing the work contained in this proposal the undersigned certifies that bidder's practices and policies do not discriminate on the grounds of race, color, religion, sex or national origin and that the bidder will affirmatively cooperate in the implementation of these policies and practices.

Signed: _____
Company Representative

Company Name

Address

Please return bidder's check to:

Company Name

Address

SECTION B. – SMWB COMMITMENTS

The SMWB goal on this project is 17 %

1. The undersigned proposer has satisfied the requirements of the BID specification in the following manner (please check the appropriate space):

_____ The proposer is committed to a minimum of 17 % SMWB utilization on this contract.

_____ The proposer, (if unable to meet the SMWB goal of 17%), is committed to a minimum of _____ % SMWB utilization on this contract. *(If contractor is unable to meet the goal, please fill out Section C and submit documentation demonstrating good faith efforts).*

2. Name and phone number of person appointed to coordinate and administer the SMWB requirements on this project.

Name: _____

Title: _____

Phone Number: _____

IF THE SMWB GOAL WAS MET, PROCEED TO AFFIRMATION AND SIGN THE GFEP. IF GOAL WAS NOT MET, PROCEED TO SECTION C.

SECTION C – GOOD FAITH EFFORTS (Fill out only if the SMWB goal was not achieved).

1. List all firms you contacted with subcontracting/supply opportunities for this project that will not be utilized for the contract by choice of the proposer, subcontractor, or supplier. Written notices to firms contacted by the proposer for specific scopes of work identified for subcontracting/supply opportunities must be provided to subcontractor/supplier **not less than five (5) business days prior to bid/proposal due date.** The following information is required for all firms that were contacted of subcontracting/supply opportunities.

Name & Address of Company	Scope of Work/Supplies to be Performed/Provided by Firm	Is Firm SMWB Certified?	Date Written Notice was Sent & Method (Fax, Letter, E-Mail, etc.)	Reason Agreement was not reached?
1.				
2.				
3.				
4.				
5.				
6.				
7.				

(Use additional sheets as needed)

In order to verify a proposer's good faith efforts, please provide to SAWS copies of the written notices to all firms contacted by the proposer for specific scopes of work identified in relation to the subcontracting/supply opportunities in the above named project. Copies of said notices must be provided to the SMWB Program Manager within five (5) business days after the response is due. Such notices shall include information on the plans, specifications, and scope of work.

2. Did you attend the pre-bid conference scheduled for this project? ___ Yes ___ No

3. List all SMWB listings or directories, contractor associations, and/or any other associations utilized to solicit SMWB Subcontractors/suppliers.

4. Discuss efforts made to define additional elements of the work proposed to be performed by SMWBs in order to increase the likelihood of achieving the goal:

5. Indicate advertisement mediums used for soliciting bids from SMWBs. (Please attach a copy of the advertisement(s):

AFFIRMATION

I hereby affirm that the above information is true and complete to the best of my knowledge. I further understand and agree that, this document shall be attached thereto and become a binding part of the contract.

Name and Title of Authorized Official:

Name: _____

Title: _____

Signature: _____ Date: _____

NOTE:

This Good Faith Effort Plan is reviewed by SAWS Contracting Department. For questions and/or clarifications, please contact Marisol V. Robles, SMWB Manager, at 210-233-3420.

DEFINITIONS:

Prime Consultant/Contractor: Any person, firm partnership, corporation, association or joint venture which has been awarded a San Antonio Water System contract.

Subconsultants/contractor: Any named person, firm partnership, corporation, association or joint venture identified as providing work, labor, services, supplies, equipment, materials or any combination of the foregoing under contract with a prime consultant/contractor on a San Antonio Water System contract.

Small, Minority and Woman Business (SMWB): All business structures Certified by the Small Business Administration, Texas State Comptroller's Office, or the South Central Texas Regional Certification Agency that are 51% owned, operated, and controlled by a Small Business Enterprise, a Minority Business Enterprise, or a Woman-owned Business Enterprise.

Small Business Enterprise (SBE): A business structure that is Certified by the Small Business Administration, Texas State Comptroller's Office or the South Central Texas Regional Certification Agency as being 51% owned, operated and controlled by someone who is legally residing in or a citizen of the United States, and the business structure meets the U.S. Small Business Administration's (SBA) size standard for a small business within the appropriate industry category

Minority Business Enterprise (MBE): A business structure that is Certified by the Small Business Administration, Texas State Comptroller's Office or the South Central Texas Regional Certification Agency as being 51% owned, operated, and controlled by an ethnic minority group member(s) who is legally residing in or a citizen of the United States. For purposes of the SMWB program, the following are recognized as minority groups:

- a. **African American** – Persons having origins in any of the black racial groups of Africa as well as those identified as Jamaican, Trinidadian or West Indian.
- b. **Hispanic American** – Persons of Mexican, Puerto Rican, Cuban, Spanish or Central or South American origin.
- c. **Asian-Pacific American** – Persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian subcontinent or the Pacific Islands.
- d. **Asian-Indian American** – Persons whose origins are from India, Pakistan, Bangladesh or Sri Lanka.
- e. **American Indian/Native American** – Persons having no less than 1/16 percentage origin in any of the American Indian Tribes, as recognized by the U.S. Department of the Interior's Bureau of Indian Affairs and as demonstrated by possession of personal tribal role documents.

Women Business Enterprise (WBE): A business structure that is Certified by the Small Business Administration, Texas State Comptroller's Office or the South Central Texas Regional Certification Agency as being 51% owned, operated and controlled by a woman or women who are legally residing in or citizens of the United States.

African American Business Enterprise (AABE): A business structure that is Certified by the Small Business Administration, Texas State Comptroller's Office or the South Central Texas Regional Certification Agency as being 51% owned, operated and controlled by African American minority group member(s) who are legally residing in or are citizens of the United States.

Joint Venture: A limited association of two or more persons to carry out a single business enterprise for profit, for which purpose they combine their property, money, efforts, skills and knowledge.

Contractor's Payment to Sub-Contractors:

The contractor will be required to report the actual payments to all subcontractors, utilizing the Sub-contracting Payment and Utilization Reporting (S.P.U.R.) System, in the time intervals and format prescribed by SAWS. This information will be utilized for SMWB participation tracking purposes. Any unjustified failure to comply with the committed SWMB levels may be considered breach of contract.

Web Submittal of Subcontractor Payment Reports:

The Contractor is required to electronically submit monthly subcontractor payment information utilizing the Sub-contracting Payment and Utilization Reporting (S.P.U.R.) System, beginning with the first SAWS payment for services under the contract, and with every payment thereafter (for the duration of the contract). Electronic submittal of monthly subcontractor payment information will be accessed through a link on SAWS' "Business Center" web page.

The Contractor and all subcontractors will be provided a unique log-in credential and password to access the SAWS subcontractor payment reporting system. The link may also be accessed through the following internet address: <https://saws.smwbe.com/>

SECTION 01322

CONSTRUCTION PHOTOGRAPHS AND VIDEO SURVEYS

PART 1 – GENERAL

1.01 GENERAL

- A. CONTRACTOR shall be responsible for the production of digital construction photographs as provided herein. CONTRACTOR shall provide construction photographs taken on first working day of each month, prior to mobilization at drilling sites, during drilling and other significant stages of construction. SAWS's Representative shall designate the subject of each photograph.
- B. The CONTRACTOR shall be responsible for production and delivery of three digital copies of a preconstruction videotape condition survey of existing access corridors including about 3.5 miles along Mathis Road and Hardy Road and drilling locations in the wellfield as specified herein.

1.02 QUALITY

All photographs shall be digital color photographs of commercial/professional quality using the highest resolution setting available on the camera (minimum 3 megapixels). Digital photographs shall be identified with description of view, and date/time code in the file metadata. Photographs shall be provided on a CD-ROM in .JPEG format. Prints of photographs shall be printed on professional quality photographic paper in a 4-inch by 6-inch size and enclosed in clear plastic binders. Each print shall be marked with the name and number of contract, name of CONTRACTOR, description and location of view and identity of photographer in file metadata. All video surveys of wells and preconstruction video shall be provided on a DVD and be capable of being played on stand-alone DVD players or computer DVD drives.

1.03 VIEWS AND QUANTITIES

Each month, an average of 25 exposures shall be taken as directed by the ENGINEER. Provide photographs showing the preconstruction site, construction progress and the post construction site, as directed by ENGINEER.

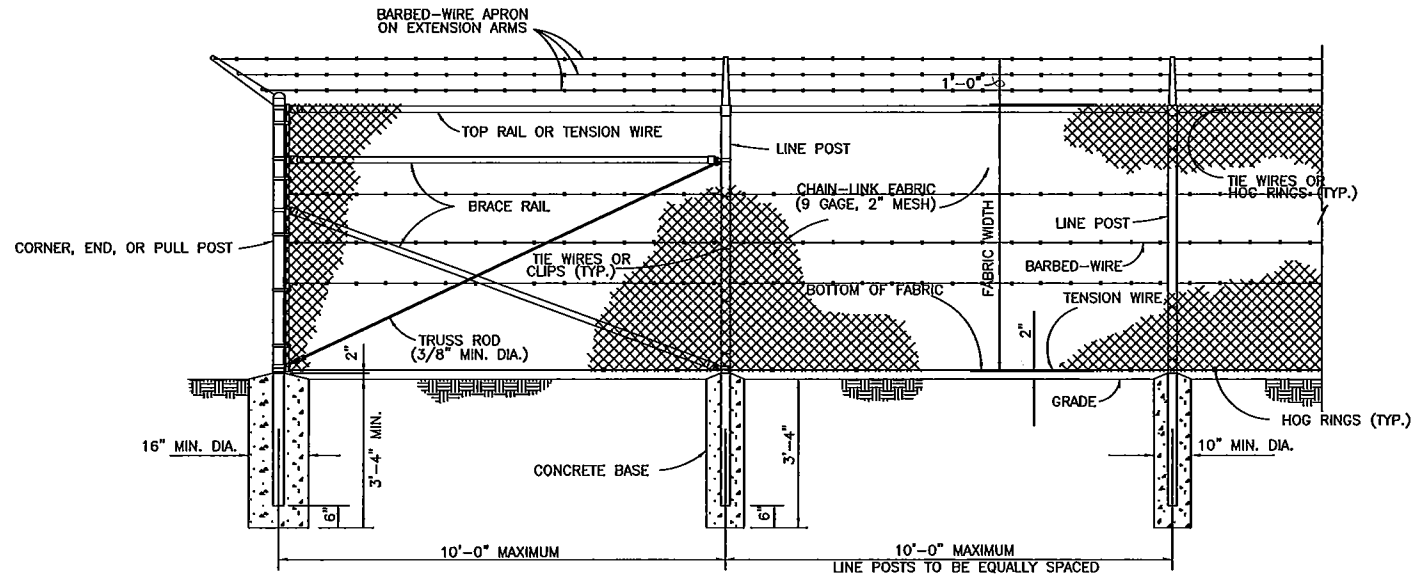
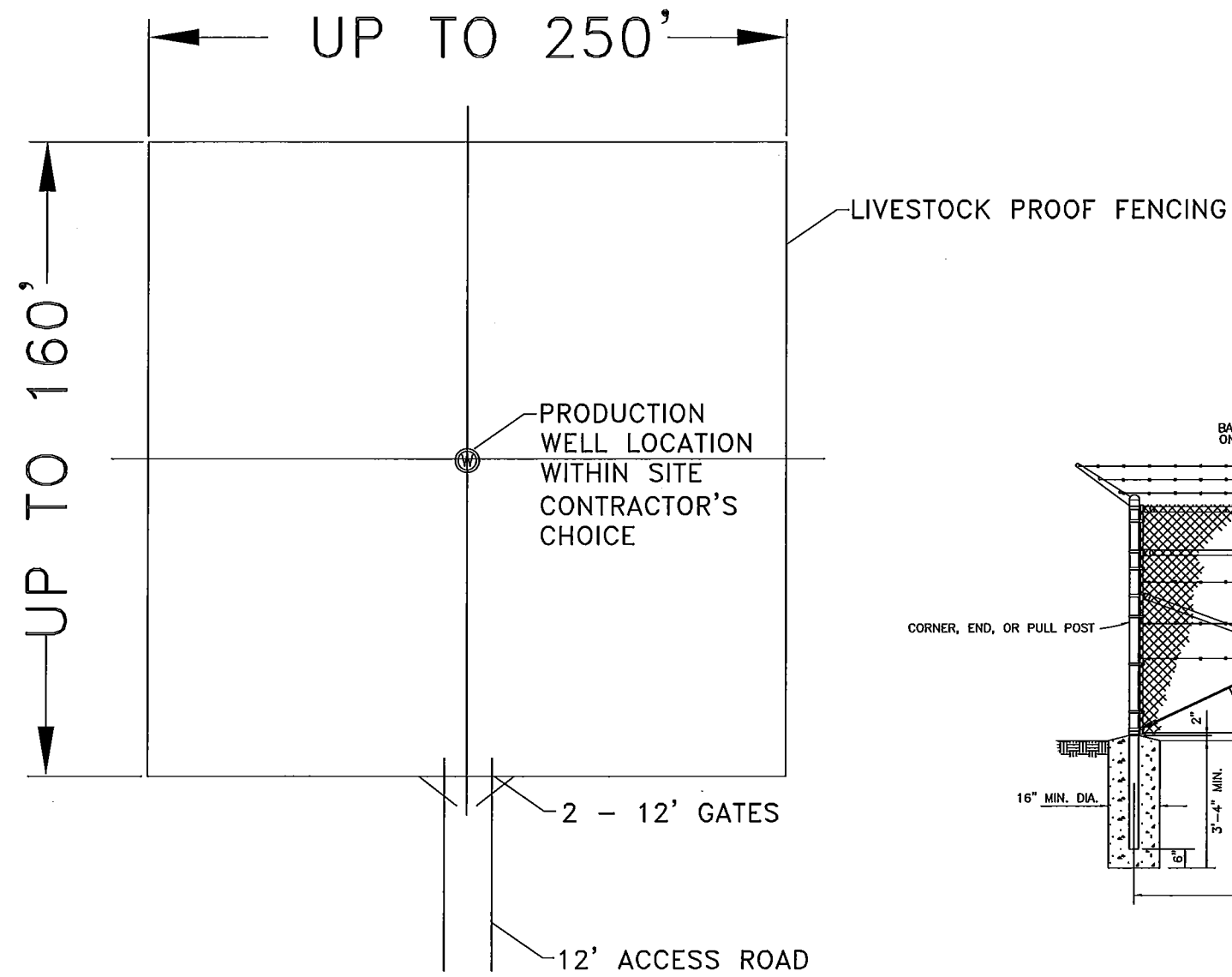
PART 2 – PRODUCT (NOT USED)

PART 3 – EXECUTION

3.01 EXECUTION

- A. These photographs shall be submitted with the CONTRACTOR'S application for progress payment on a CD-ROM in .JPEG format and on photographic quality paper in a bound notebook.
- B. Technique is to present important factual details with high resolution, minimum distortion, maximum depth-of-field and sharpness. Views shall adequately illustrate project status or condition of construction.

END OF SECTION



CHAIN-LINK SECURITY FENCE DETAIL

N.T.S.

NOTES:

1. FENCE CONSTRUCTED WITH FIVE STRANDS OF BARBED WIRE STRETCHED TAUGHT AROUND SITES BGD-5, BGD-7 AND BGD-8.
2. METAL T-POSTS EVERY 15 FEET WITH BRACED WOODEN CORNER POSTS AT LEAST 5 INCHES IN DIAMETER.
3. LIVESTOCK FENCE AND GATES SHALL REMAIN IN PLACE AT COMPLETION OF PROJECT.
4. PERMANENT 10-FT BY 10-FT CHAIN LINK FENCE AND ACCESS GATE SHALL BE INSTALLED AROUND BGD-5 AND BGD-8 FOLLOWING CONSTRUCTION.

TYPICAL SITE LAYOUT

N.T.S.

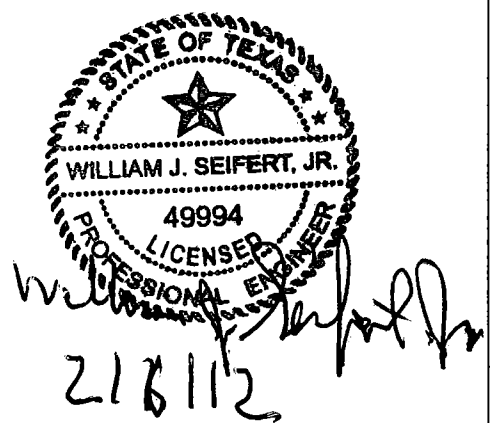
REVISIONS	No.	Description	Drn.	Approved	Date

INFORMATION
PREPARED BY:
LBG-GUYTON ASSOCIATES
11111 Katy Freeway, Suite 850
Houston, Texas 77079-2609
(713)468-8600

Date: 08/26/2011
Drawn by: EKIM
Designed by: WJS
Checked by: WJS
Scale: AS NOTED ABOVE
Approved by: WJS
Map No:



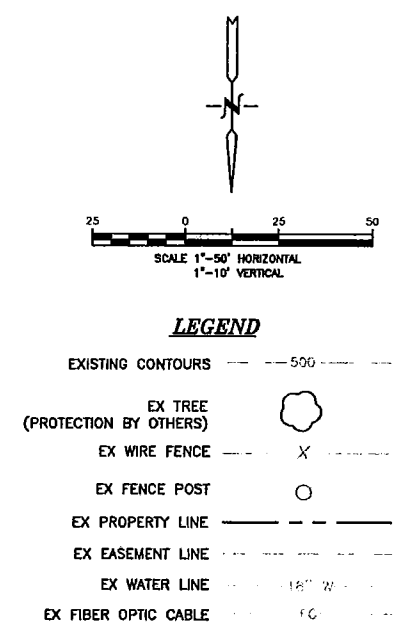
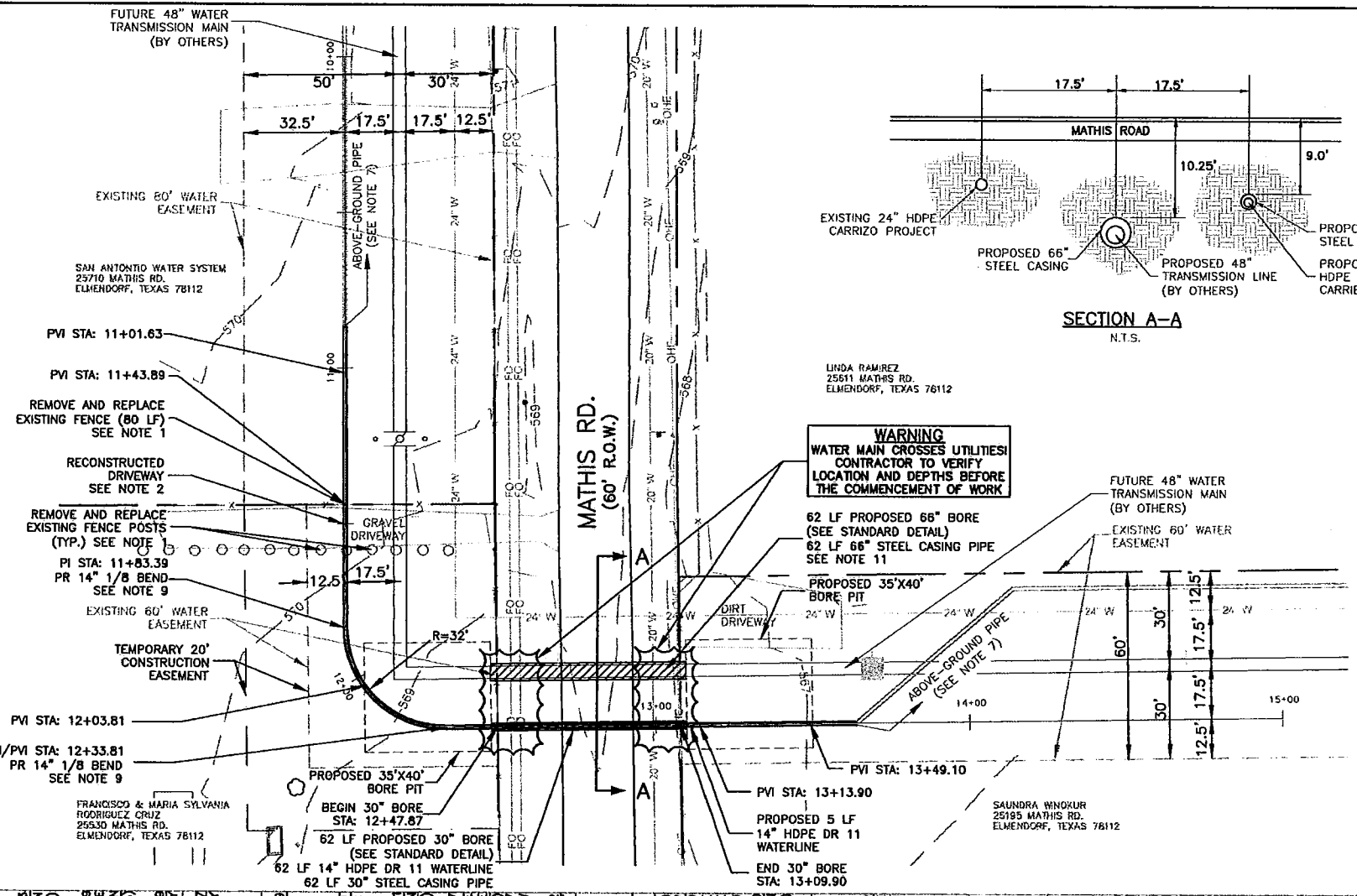
BRACKISH DESALINATION PRODUCTION WELL
CONSTRUCTION SERVICES - PACKAGE 1
SAWS JOB NUMBER 10-8610
FINAL SUBMITTAL
TYPICAL SITE LAYOUT AND
CHAIN LINK FENCE DETAIL



DRAWING NO.
C-7.0
07 OF 09

TRENCH EXCAVATION PROTECTION NOTE:
 CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITE(S) WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES. THE CONTRACTOR'S IMPLEMENTATION OF THE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLIES WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

- NOTES:
- CONTRACTOR IS TO REMOVE AND SALVAGE EXISTING FENCE AND/OR FENCE POSTS. AFTER SCOPE OF WORK IS COMPLETED, THE CONTRACTOR IS TO RE-INSTALL FENCE AND/OR FENCE POSTS TO SAME OR BETTER CONDITION. IF NEEDED, REPLACEMENT FENCE COMPONENTS SHALL MATCH EXISTING SIZE, SHAPE, MATERIAL, COLOR (STAIN), AND PLACEMENT PATTERN.
 - CONTRACTOR TO RECONSTRUCT DRIVEWAY AFTER SCOPE OF WORK IS COMPLETED. SEE STANDARD DETAILS FOR DRIVEWAY CONSTRUCTION SPECIFICS. CONTRACTOR SHALL PROVIDE CONTINUOUS ACCESS TO PROPERTY DURING CONSTRUCTION.
 - CONTRACTOR TO HYDROSTATIC TEST PROPOSED 14" HDPE WATERLINE (APPROXIMATELY 257 LF). SEE SPECIFICATIONS FOR TEST DETAILS.
 - CONTRACTOR SHALL UTILIZE BUTT-FUSION WELDS FOR CONSTRUCTION OF THE PROPOSED 14-INCH HDPE WATERLINE UNLESS OTHERWISE INDICATED ON THE PLAN.
 - ALL HDPE PIPE COLD-BEND MINIMUM RADI SHALL BE DEFLECTED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
 - ALL TRENCHES AND BORE PITS SHALL BE IN ACCORDANCE WITH THE OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA) REQUIREMENTS, REGULATIONS, AND STANDARDS.
 - ABOVE-GROUND PIPE ALIGNMENT SHALL BE COORDINATED BETWEEN THE CONTRACTOR AND THE SAN ANTONIO WATER SYSTEM (SAWS).
 - CONTRACTOR SHALL HYDROMULCH ALL DISTURBED AREAS. HYDROMULCHED LAWN SHALL BE FULLY ESTABLISHED PRIOR TO OWNER ACCEPTANCE.
 - A 1/8 BEND SHALL BE UTILIZED ONLY IN THE EVENT THAT THE REQUIRED DEFLECTION CANNOT BE OBTAINED BY DEFLECTING THE PIPE ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
 - CONTRACTOR TO TEMPORARILY STOCKPILE AND SPREAD SPOILS TO 4" DEPTH (MAXIMUM) AT SAWS PROPERTY (25710 MATHIS RD).
 - CONTRACTOR TO TAC WELD 1/2" STEEL PLATE TO EACH END OF THE 66" STEEL CASING. STEEL PLATES TO BE REMOVED (BY OTHERS) AT TIME OF PERMANENT CONSTRUCTION.
 - CONTRACTOR TO ENCLOSE CONSTRUCTION AREAS WITH TEMPORARY LIVESTOCK PROOF FENCE ON BOTH SIDES OF MATHIS ROAD CONSTRUCTION. FENCE SHALL HAVE A MINIMUM OF 5 STRANDS OF TAUGHT BARBIRE WITH T-POSTS SPACED NO FURTHER THAN 15' OFF-CENTER ALONG WITH BRACED CORNER POSTS. TEMPORARY FENCE TO BE REMOVED AT THE CONCLUSION OF WORK AND AFTER ACCEPTANCE OF WORK AT SITE.



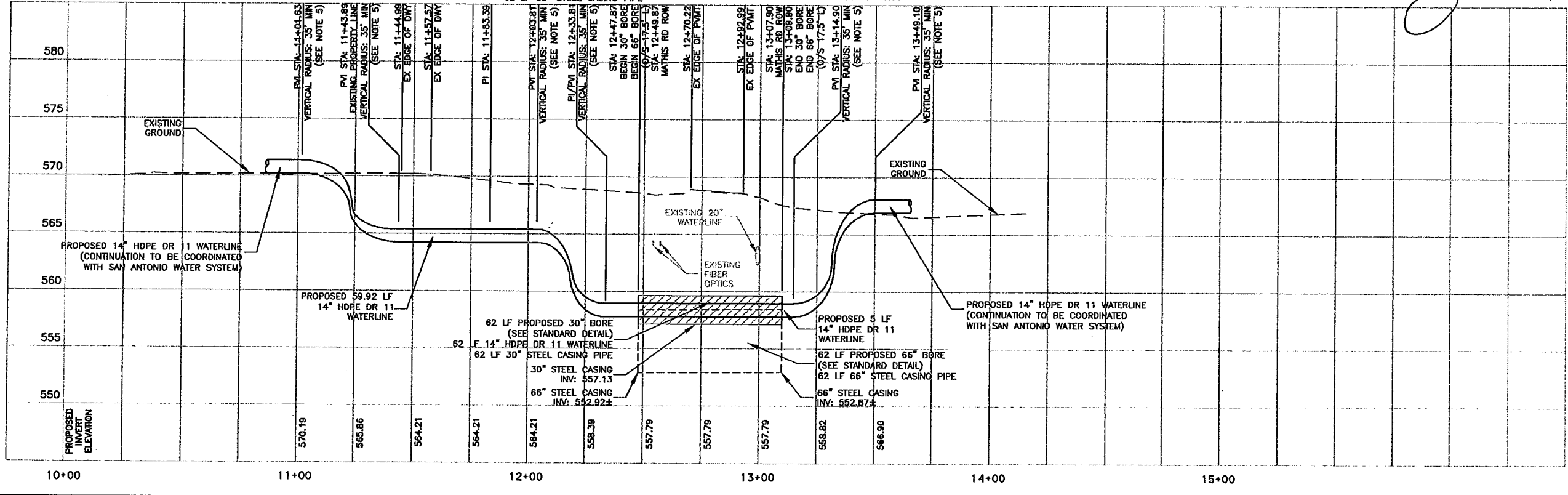
STATE OF TEXAS
 HERNAN A. JARAMILLO
 9283
 PROFESSIONAL ENGINEER
 02/07/2012
 [Signature]

REVISIONS		Date
No.	Description	Appr. HJ
1	ADDENDUM NO. 1	2-6-12

INFORMATION

PREPARED BY: BALDI MEDINA BALDI, INC.
 BALDI MEDINA BALDI, INC.
 ANGELES & SURETIES
 7075 San Pedro Avenue
 San Antonio, Texas 78216
 210/494-7225
 TBEF Registration No. F-1712

Date: 02/07/2012
 Drawn by: B.L.M.
 Designed by: H.J.
 Checked by: H.J.
 Scale: AS NOTED ABOVE
 Approved by: H.J.
 Map No:



BRACKISH DESALINATION PRODUCTION WELL
 DESIGN SERVICES - PACKAGE 1
 SAWS JOB NUMBER 10-8610
 FINAL SUBMITTAL

San Antonio Water System

MATHIS ROAD BORE
 PLAN AND PROFILE

DRAWING NO.
C-8.0
08 OF 09

Attendance Sheet
 Pre-Proposal Meeting
 SAWS Desalination Production Well Construction Services - Package I, Wells BGD 5-8
 Tuesday, January 31, 2012 at 10:00 a.m.
 Conference Room at ASR Wellfield Office, Elmendorf, Texas

Name	Representing	Telephone Number Fax Number	E-Mail Address
MARK HARKNESS	WEISINGER INC	936-756-7721 936-756-7723	m.harkness@weisingerinc.com
DEAN DWILBURN	LAYNE	713-466-5001 713-466-0397	dswilburn@laynochristensen.com
Shawn Marlow	ALSAY	210-628-1090 210-232-1406	Shawn.marlow@alsayinc.com
Charlie Hoherd	Roscoe Moss Company	323 263 4111 323 263 4497	choherd@roscoemoss.com
John Seifert	LBG-Guyton Assoc	713-468-8600 1-468-4950	jseifert@lbg-guyton.com
KEVIN MORRISON	SAWS	210 233-3667	kmorrison@saws.org
Bill Stein	LBG-Guyton Assoc.	512-327-9640 512 694-9640	bstein@lbg-guyton.com
Diana Dwyer	SAWS	210-233-3372 210-233-5218	ddwyer@saws.org
FRED FROTHAUGE	HYDRO RESOURCES	303 857 7540 303 857 3826	frothauge@hydro-resources.com
RUSSELL RINCON	BAIN MEDINA BAIN	210 494 7223	rrincon@bmbi.com
MARK CENTENNIAL	SAWS	210 233-2968	mcentennial@saws.org

Attendance Sheet
 Pre-Proposal Field Visit
 SAWS Desalination Production Well Construction Services - Package I, Wells BGD 5-8
 Tuesday, January 31, 2012 at 10:00 a.m.
 Conference Room at ASR Wellfield Office, Elmendorf, Texas

Name	Representing	Telephone Number Fax Number	E-Mail Address
MARK HARKNESS	WEISINGER INC.	936-756-7721 936-756-7723	mharkness@weisinger-inc.com
Shawn Marlow	Alsay	210-658-1090 210-232-1406	Shawn.Marlow@alsaying.com
DEAN WILBURN	LAYNE	713-466-5001 713-466-9397	dewilburn@laynechristensen.com
Chuck Albrighton	Layne	713-627-6870	chalb@laynechristensen.com
Fred Frothingham	Hydro Resources	303 857 7540 303 857 3826	ffrothingham@hydroresources.com
KEVIN MORRISON	SAWS	210 283-3667	kmorrison@saws.org
Russell Rincon	BAIN MEDINA BAIN	210 494 7223	rrincon@bmbi.com