



SAN ANTONIO WATER SYSTEM
University Pump Station Improvements Project
SAWS Job No. 12-6002
Solicitation No. B-14-002-DD

ADDENDUM NO. 4
March 13, 2014

TO BIDDER OF RECORD:

The following changes, additions, and/or deletions are hereby made a part of the Contract Documents for the University Pump Station Improvements Project, for the San Antonio Water System, San Antonio, Texas, dated January 2014, as fully and completely as if the same were set forth therein.

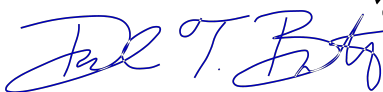
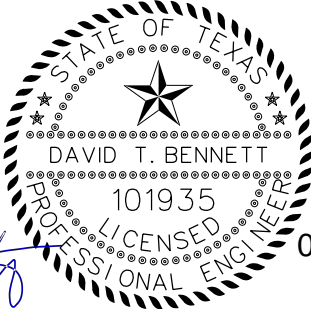
PART 1 – TECHNICAL SPECIFICATIONS

- 1. SECTION 01030, SPECIAL PROCEDURES: REPLACE this section in its entirety with the attached section.

PART 2 – DRAWINGS

- 1. SHEET C-2: REPLACE this sheet in its entirety.
- 2. SHEET C-11: Add the following notes:
 - “5. Development, implementation, and maintenance of SWPPP plan is the responsibility of the Contractor.
 - 6. Construction staging area shall be contained so all contaminated materials, oils, and substances are contained within the area. Contractor shall store materials within staging area at their own risk. Equipment and materials may be stored within designated staging area up to 180 days as long as the equipment and materials are mobile during a storm event.”

ALL BIDDERS SHALL ACKNOWLEDGE RECEIPT OF ADDENDUM NO. 4 IN THE BID FORM AND BY HIS/HER SIGNATURE AFFIXED HERETO AND TO FILE SAME AS AN ATTCHMENT TO HIS/HER BID. BID FORMS SUBMITTED WITHOUT THIS ACKNOWLEDGEMENT WILL BE CONSIDERED INFORMAL.

David T. Bennett, P.E.

Freese and Nichols, Inc. FREESE AND NICHOLS, INC.
TEXAS REGISTERED
ENGINEERING FIRM
F-2144

ACKNOWLEDGEMENT BY BIDDER

THE UNDERSIGNED ACKNOWLEDGES RECEIPT OF THIS ADDENDUM NO. 4 AND THE BID SUBMITTED HEREWITH IS IN ACCORDANCE WITH THE INFORMATION AND STIPULATION SET FORTH.

Date

Signature of bidder

Appended hereto and part of Addendum No. 4 are:

1. Section 01030, Special Procedures
2. Sheet C-2

END OF ADDENDUM NO. 4

SECTION 01030

SPECIAL PROCEDURES

1.00 GENERAL

1.01 SHUT DOWNS AND PLANS OF ACTION

- A. Shutdowns must be completed during off-peak times for the San Antonio Water System water demand. Off-peak months are from November through February. Shutdowns shall not be performed between the months of March and October.
- B. Shut downs of operations or equipment must be planned and scheduled.
 - 1. Submit a written plan of action for approval for shutting down essential services. These include:
 - a. Electrical power.
 - b. Control power.
 - c. Process piping.
 - d. Treatment equipment.
 - e. Communications equipment.
 - f. Other designated functions.
 - 2. Describe the following in the plan of action:
 - a. Construction necessary.
 - b. Utilities, piping, or services affected.
 - c. Length of time the service or utility will be disturbed.
 - d. Procedures to be used to carry out the Work.
 - e. Plan of Action to handle emergencies.
 - f. Contingency plan that will be used if the original schedule cannot be met.
 - 3. Submit plan 2 weeks prior to beginning the Work.

1.02 CRITICAL OPERATIONS

- A. The Owner has identified critical operations that must not be out of service longer than the designated maximum out of service time and/or must be performed only during the designated times. These have been identified in the table below:

Critical Operation	Maximum Time Out of Operation	Hours Operation Can be Shut Down	Liquidated Damages (Dollars per Hour)
1. Remove and replace 24" butterfly valve on incoming supply pipeline at the northwest corner of the site.	8 hours	10 PM to 6 AM	\$100

Critical Operation	Maximum Time Out of Operation	Hours Operation Can be Shut Down	Liquidated Damages (Dollars per Hour)
2. Remove and replace 2-36" butterfly valves on discharge piping.	8 hours	10 PM to 6 AM	\$100
3. Connect the new pump and piping to the existing suction and discharge headers (two short duration shutdowns).	8 hours	10 PM to 6 AM	\$100
4. HSP 3 – Replace existing control valve.	8 hours	10 PM to 6 AM	\$100
5. HSP 4 – Replace existing control valve.	8 hours	10 PM to 6 AM	\$100
6. HSP 5 – Replace existing control valve.	8 hours	10 PM to 6 AM	\$100
7. 10-inch Altitude Control Valve	8 hours	10 PM to 6 AM	\$100
8. Second 10-inch Altitude Control Valve	8 hours	10 PM to 6 AM	\$100
9. 6-inch By-pass Valve	8 hours	10 PM to 6 AM	\$100
10. HSP 3 - Transfer to new electrical and instrumentation equipment.	8 hours	10 PM to 6 AM	\$100
11. HSP 4 - Transfer to new electrical and instrumentation equipment.	8 hours	10 PM to 6 AM	\$100
12. HSP 5 - Transfer to new electrical and instrumentation equipment.	8 hours	10 PM to 6 AM	\$100
13. Switch from the existing to the new electrical system.	8 hours	10 PM to 6 AM	\$100
14. Disconnection of wires	8 hours	10 PM to 6 AM	\$100

B. Submit a written plan of action for approval for critical operations.

1. Describe the following in the plan of action:

a. Construction necessary.

- b. Utilities, piping, or services affected.
 - c. Length of time the service or utility will be disturbed.
 - d. Procedures to be used to carry out the Work.
 - e. Plan of action to handle emergencies.
 - f. Contingency plan that will be used if the original schedule cannot be met.
 - g. List of manpower, equipment, and ancillary supplies. Identify backups for key pieces of equipment such as excavators and pumps and key personnel such as welders.
2. Plan must be received by the Owner 2 weeks prior to beginning the Work.
- C. Work affecting critical operations is to be performed on a 24-hour a day basis until Owner's normal operations have been restored.
- D. Provide additional manpower and equipment as required to complete the Work affecting critical operations within the allotted time.
- E. Include the cost for Work affecting critical operations in the Contract Price.
- F. Liquidated damages will be assessed if work on critical operations is not completed within the time indicated.
- 1. These items are critical for operation of the existing distribution system.
 - 2. Loss of operation of the existing distribution system can subject the Owner to loss of revenue, additional operations cost, and fines from regulatory agencies.
 - 3. Liquidated damages have been established for each critical operation.
- G. Designated Critical Operations are described in more detail as follows:
- 1. Critical Operation 1 Title from Table Above – Pump Station Shutdown – Connect the new pump and piping to the existing suction and discharge headers (two shutdowns).
 - 2. Critical Operation 2 Title from Table Above – Shutdown existing pump HSP 3 to replace existing control valve.
 - 3. Critical Operation 3 Title from Table Above – Shutdown existing pump HSP 4 to replace existing control valve.
 - 4. Critical Operation 4 Title from Table Above – Shutdown existing pump HSP 5 to replace existing control valve.
 - 5. Critical Operation 5 Title from Table Above – Shutdown 10-inch altitude control valve in the Replenishment Valve Vault.
 - 6. Critical Operation 6 Title from Table Above – Shutdown second 10-inch altitude control valve in the Replenishment Valve Vault.
 - 7. Critical Operation 7 Title from Table Above – Shutdown 6-inch by-pass valve in the Replenishment Valve Vault.
 - 8. Critical Operation 8 Title from Table Above – Shutdown existing pump HSP 3 for transfer to new electrical and instrumentation equipment.
 - 9. Critical Operation 9 Title from Table Above – Shutdown existing pump HSP 4 for transfer to new electrical and instrumentation equipment.

10. Critical Operation 10 Title from Table Above – Shutdown existing pump HSP 5 for transfer to new electrical and instrumentation equipment.
11. Critical Operation 11 Title from Table Above – Shutdown for switching from the existing to the new electrical system.
12. Critical Operation 12 Title from Table Above – Shutdown for disconnecting wires from the existing electrical equipment.

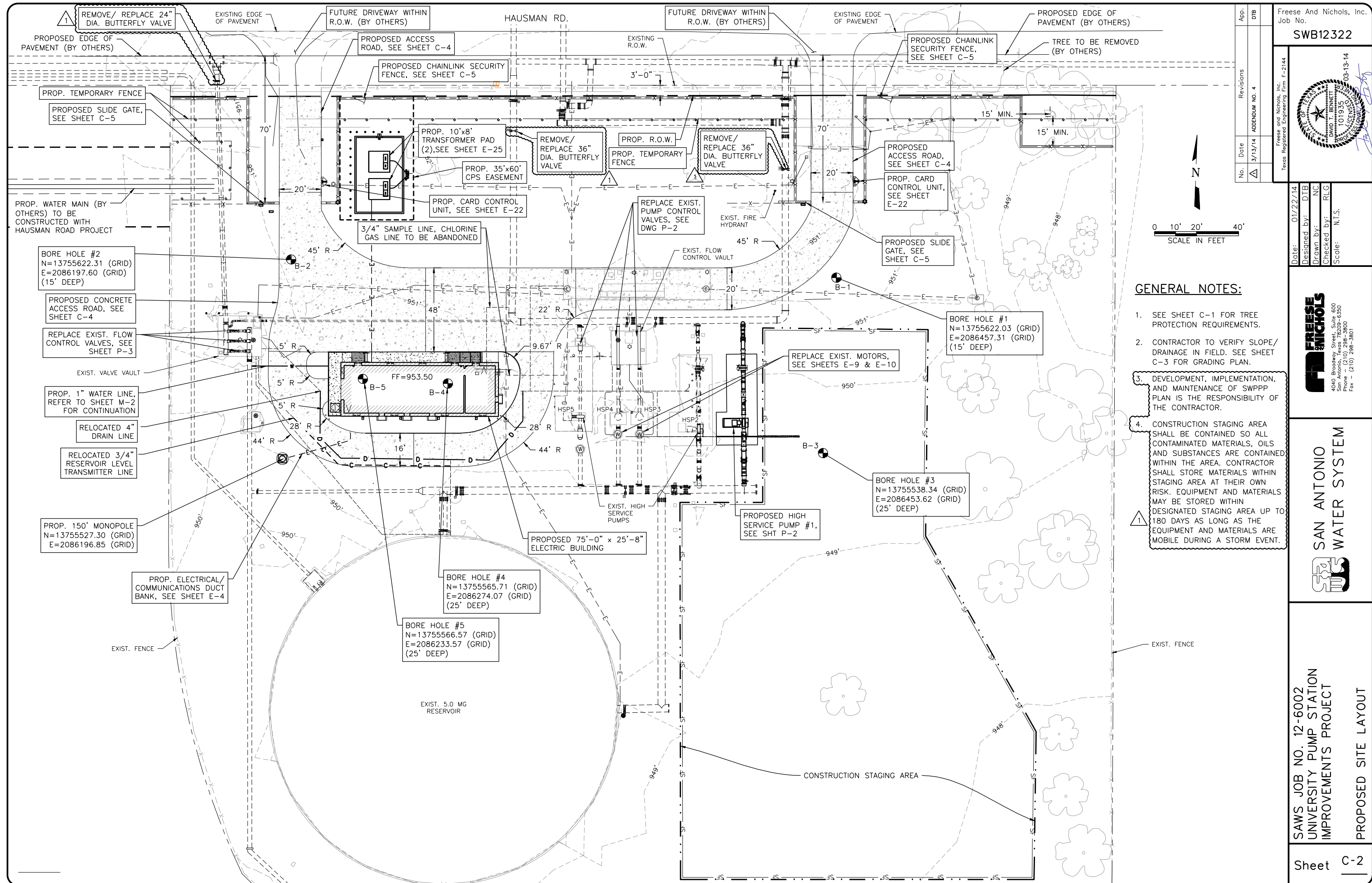
1.03 OWNER ASSISTANCE

- A. The Owner will assist the Contractor in draining the existing pipelines as much as possible through existing blow-off valves. The Contractor will be responsible for providing dewatering pumps, etc. required to completely dewater the facilities and handle any leakage past closed valves, gates or adjacent structures.

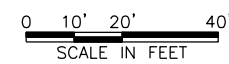
2.00 PRODUCTS (NOT APPLICABLE)

3.00 EXECUTION (NOT APPLICABLE)

END OF SECTION



App.	DIB	Freese And Nichols, Inc. Job No.
Revisions	ADDENDUM NO. 4	SWB12322
Date	3/13/14	David T. Bennett Professional Engineer 101935 03-13-14
No.	1	Freese and Nichols, Inc. Texas Registered Engineering Firm F-2144



- GENERAL NOTES:**
- SEE SHEET C-1 FOR TREE PROTECTION REQUIREMENTS.
 - CONTRACTOR TO VERIFY SLOPE/DRAINAGE IN FIELD. SEE SHEET C-3 FOR GRADING PLAN.
 - DEVELOPMENT, IMPLEMENTATION, AND MAINTENANCE OF SWPPP PLAN IS THE RESPONSIBILITY OF THE CONTRACTOR.
 - CONSTRUCTION STAGING AREA SHALL BE CONTAINED SO ALL CONTAMINATED MATERIALS, OILS AND SUBSTANCES ARE CONTAINED WITHIN THE AREA. CONTRACTOR SHALL STORE MATERIALS WITHIN STAGING AREA AT THEIR OWN RISK. EQUIPMENT AND MATERIALS MAY BE STORED WITHIN DESIGNATED STAGING AREA UP TO 180 DAYS AS LONG AS THE EQUIPMENT AND MATERIALS ARE MOBILE DURING A STORM EVENT.

Date:	01/22/14
Designed by:	DIB
Drawn by:	NC
Checked by:	RLC
Scale:	N.T.S.

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SAN ANTONIO WATER SYSTEM

SAWS JOB NO. 12-6002
 UNIVERSITY PUMP STATION
 IMPROVEMENTS PROJECT
 PROPOSED SITE LAYOUT