

**SAN ANTONIO WATER SYSTEM
Sawyer Meadows 18" Oversize
Solicitation No. B-13-050-CM
SAWS Job No. 12-1622**

ADDENDUM NO. 1

July 12, 2013

This addendum, applicable to the project noted above, is an amendment to the bidding and specification documents and as such shall be a part of and included in the Contract. Acknowledge receipt of this addendum by entering the addendum number and issue date in the spaces provided on all submitted copies of the proposal.

1.0 Addendum Purpose

The purpose of this addendum is to issue revisions and clarifications for the project noted above.

2.0 Pre-Bid Meeting

A non-mandatory Pre-Bid Conference was held at 2:00 p.m. on July 9, 2013 in the SAWS Engineering Department conference room, C239. A list of attendees has been previously posted on the SAWS website.

3.0 Clarifications

- A. The Engineer's Estimate of project cost for the above mentioned project has been revised to \$ 494,371.37.
- B. Tie to Existing Sewer Main Item 852 was removed as a quantity line item from the plans and the bid proposal.
- C. Revised Bid Proposal (See attached).
- D. Revised Plan Sheets C4.00 and C4.01 (See attached).

4.0 Questions

Q: On Bid Item No. 413 - Is flowable fill paid on a LF price? The detail in the plans shows flowable fill for secondary backfill for trench excavation. This project is in a field not in existing streets. It would appear from the plans this bid item should be for concrete encasement around proposed pipe and not flowable fill for complete trench backfill. SAWS typically calls for 2500lb strength concrete for pipe encasement not flowable fill. Could you please clarify this.

A: 12" of concrete encasement is required around the pipe as shown on the plans. Flowable fill is required above the concrete encasement until the contractor reaches the limits of the rock cut. After the rock cut stops secondary backfill can be used for the

Addendum No. 1
Sawyer Meadows 18" Oversize
Saws Job No. 12-1622
Solicitation No. B-13-050-CM

remainder of trench. Flowable Fill will be paid per CY. Please see attached revised bid proposal. Both Concrete encasement and flowable are required per the bid proposal.

Q: For the 6' diameter manholes will the contractor be allowed to transition from 6' to 4' in diameter for the extra vertical feet that is required? If so how high up do you have to run 6' in diameter?

A: Yes. See SAWS Detail DD-850-01

ACKNOWLEDGEMENT BY BIDDER

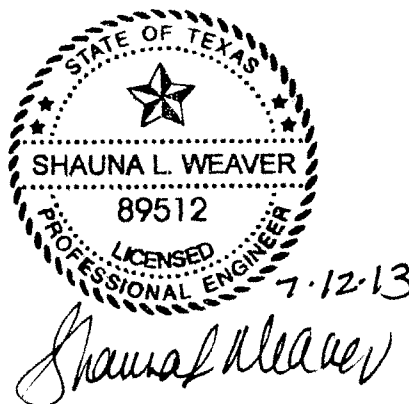
Each bidder is requested to acknowledge receipt of this Addendum No. 1 and the associated attachments by his/her signature affixed hereto and to file same and attach with his/her bid.

The undersigned acknowledges receipt of this Addendum No. 1 along with the bid submitted herewith is in accordance with the information and stipulations set forth.

Date

Signature

END OF ADDENDUM NO. 1



7.12.13
Shauna L. Weaver

Job No. 12-1622
 Sawyer Meadows 18" Oversize (8-Inch Required) Sanitary Sewer – Phase 1
 Solicitation No.: B-13-050-CM

BID PROPOSAL

PROPOSAL OF _____

A corporation _____

A partnership consisting of _____

An individual doing business as _____

THE SAN ANTONIO WATER SYSTEM

Pursuant to Instructions and Invitations to Bidders, the undersigned proposes to furnish all labor and materials as specified and perform the work required for the construction of pipelines and appurtenances, San Antonio Water System Job Number 12-1622 in accordance with the Plans and Specifications for the following prices to wit:

| ITEM NO. | DESCRIPTION & ESTIMATED QUANTITIES (Unit Price to be written in words) | UNIT | QTY | UNIT PRICE (Figures) | TOTAL PRICE (Figures) |
|----------|--|------|-------|-------------------------|--------------------------|
| 848 | 18" Sanitary Sewer Main All Depths _____ Dollars _____ Cents | LF | 1,737 | \$ _____ | \$ _____ |
| 852 | Standard 4' Diameter Sanitary Sewer Manhole _____ Dollars _____ Cents | EA | 5 | \$ _____ | \$ _____ |
| 850 | Standard 6' Diameter Sanitary Sewer Manhole _____ Dollars _____ Cents | EA | 1 | \$ _____ | \$ _____ |
| 850 | Standard 6' Diameter Sanitary Sewer Structure _____ Dollars _____ Cents | EA | 1 | \$ _____ | \$ _____ |
| 852 | 4' Diameter Sanitary Sewer Manhole Extra Depth _____ Dollars _____ Cents | VF | 37 | \$ _____ | \$ _____ |

| ITEM NO. | DESCRIPTION & ESTIMATED QUANTITIES (Unit Price to be written in words) | UNIT | QTY | UNIT PRICE (Figures) | TOTAL PRICE (Figures) |
|--|---|------|-----|-------------------------|--------------------------|
| 100 | Mobilization Percent of the <u>Line Item "A"</u> Subtotal Base Bid written in words _____ Dollars _____ Cents (Max of 10% of the <u>Line Item "A"</u> Subtotal Base Bid Amount) | LS | 1 | \$ _____ | \$ _____ |
| 101 | Preparation of Right-of-Way Percent of the <u>Line Item "A"</u> Subtotal Base Bid written in words _____ Dollars _____ Cents (Max of 5% of the <u>Line Item "A"</u> Subtotal Base Bid Amount) | LS | 1 | \$ _____ | \$ _____ |
| TOTAL BID (Job No. 12-1622) (Line "A", Mob & Prep) | | | | \$ _____ | |

BIDDER'S SIGNATURE & TITLE

FIRM'S NAME (TYPE OR PRINT)

FIRM'S ADDRESS

FIRM'S PHONE NO./FAX NO.

The Contractor herein acknowledges receipt of the following

Addendum No. _____ Dated _____ Signed: _____

Addendum No. _____ Dated _____ Signed: _____

Addendum No. _____ Dated _____ Signed: _____

Addendum No. _____ Dated _____ Signed: _____

OWNER RESERVES THE RIGHT TO ACCEPT THE OVERALL MOST RESPONSIBLE BID.

The bidder offers to construct the Project in accordance with the Contract Documents for the contract price, and to complete the Project with 120 calendar days after the start date, as set forth in the Authorization to Proceed. The Bidder 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 Proposal which are included on the following pages;

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 work called for in this Contract shall commence on the date indicated in the SAWS written Authorization to Proceed Under no circumstances shall the work commence prior to the date provided for in the 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.

The undersigned further acknowledges compliance with "Wage and Labor Standard Provisions" of this contract and the use of the Blue Book rental rates for establishment of equipment rental rates whether owned or leased during the course of this Contract.

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/>

CONFLICT OF INTEREST QUESTIONNAIRE NOTE:

“Effective January 1, 2006, Chapter 176 of the Texas local Government Code requires that persons, or their agents, who seek to contract for the sale or purchase of property, goods, or services with SAWS shall file a completed conflict of interest questionnaire with the SAWS Manager of Contract Administration no later than the 7th business day after the date that the person: (1) begins contract discussions or negotiations with SAWS; or (2) submits to SAWS an application, response to a request for proposals or bids, correspondence, or another writing related to a potential agreement with SAWS. The Conflict of Business questionnaire is attached on the following page and is available from the Texas Ethics Commission at www.ethics.state.tx.us. Completed Conflict of Interest questionnaires should be included with your bid or may be delivered by hand, within 7 business days of the bid opening, to the Manager of Contract Administration. If mailing a completed Conflict of Interest questionnaire, mail to: David Gonzales, Manager, Contract Administration, 2800 U.S. Hwy 281 North, San Antonio, TX 78212. If delivering a completed Conflict of Interest questionnaire, deliver to Contract Administration, Tower 2, 1st Floor, Room 171, 2800 U.S. Hwy 281 North, San Antonio, TX 78212. Please consult your own legal advisor if you have questions regarding the statute or form.”

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor or other person doing business with local governmental entity

FORM CIQ

This questionnaire reflects changes made to the law by H.B. 1491, 80th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code by a person who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the person meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the person becomes aware of facts that require the statement to be filed. See Section 176.006, Local Government Code.

A person commits an offense if the person knowingly violates Section 176.006, Local Government Code. An offense under this section is a Class C misdemeanor

OFFICE USE ONLY

Date Received

1 Name of person who has a business relationship with local governmental entity.

2 **Check this box if you are filing an update to a previously filed questionnaire.**

(The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date the originally filed questionnaire becomes incomplete or inaccurate.)

3 Name of local government officer with whom filer has employment or business relationship.

Name of Officer

This section (item 3 including sub parts A, B, C & D) must be completed for each officer with whom the filer has an employment or other business relationship as defined by Section 176.001(1-a), Local Government Code. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer named in this section receiving or likely to receive taxable income, other than investment income, from the filer of the questionnaire?

Yes No

B. Is the filer of the questionnaire receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer named in this section AND the taxable income is not received from the local governmental entity?

Yes No

C. Is the filer of this questionnaire employed by a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership of 10 percent or more?

Yes No

D. Describe each employment or business relationship with the local government officer named in this section.

4

Signature of person doing business with the governmental entity

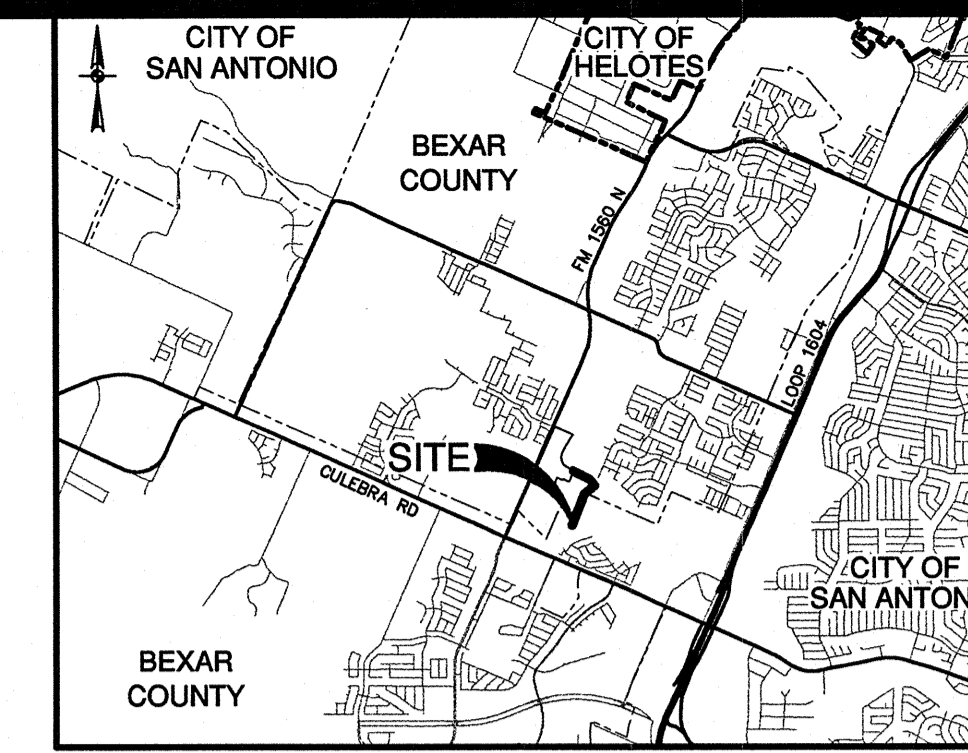
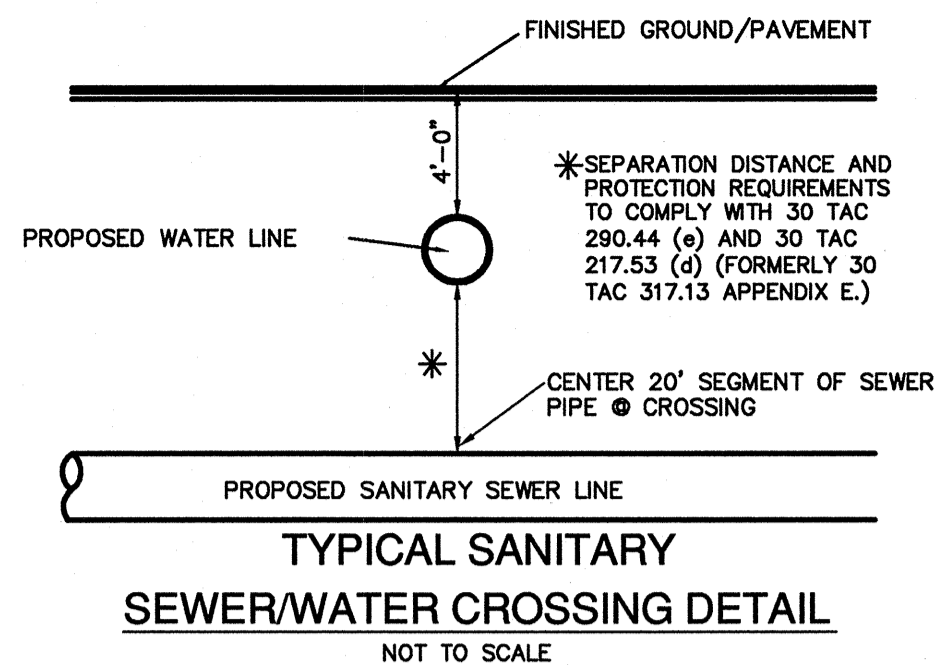
Date

TRENCH EXCAVATION SAFETY PROTECTION

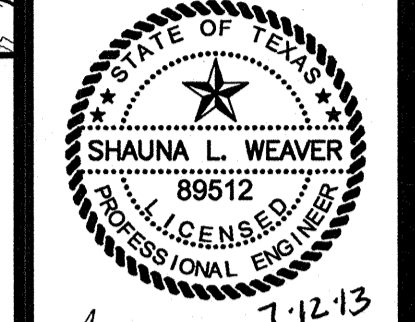
CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLY 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.

CAUTION!!! CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITING TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

MANHOLE OPENING INCREASED TO 30" AS PER TAC CHAPTER 217.55

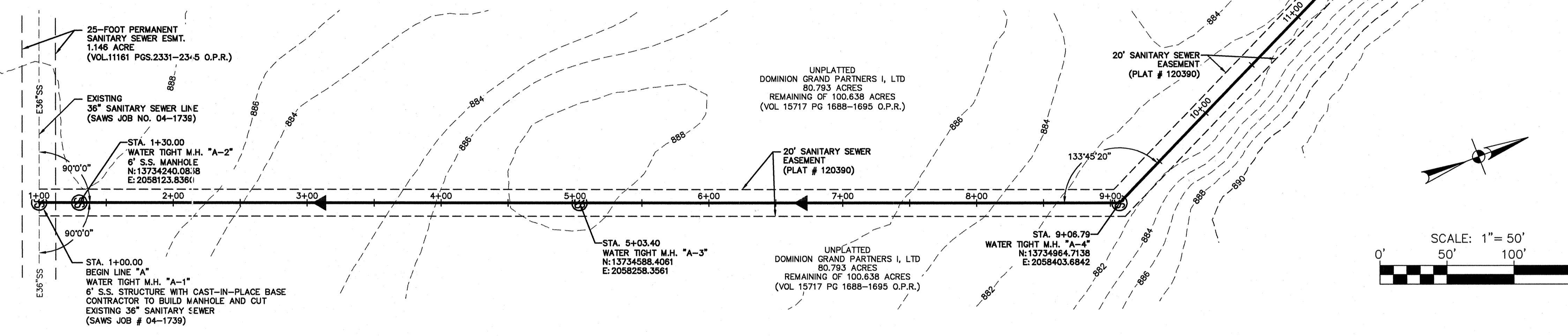


| NO. | REVISION | DATE |
|-----|------------------------------|---------|
| 1. | REVISED NOTES AND QUANTITIES | 7/12/13 |



Shauna L. Weaver

PAPE-DAWSON ENGINEERS
 555 EAST RAMSEY | SAN ANTONIO, TEXAS 78216 | PHONE: 210.375.9000 | FAX: 210.375.9070
 TEXAS BOARD OF PROFESSIONAL ENGINEERS, FIRM REGISTRATION # 470



SEWER LINE "A"
(STA. 1+00.00 TO STA 12+00.00)

LEGEND:

- UNIT BOUNDARY
- - - - 960 EXISTING 10' CONTOUR
- - - - EXISTING 2' CONTOUR
- - - - 100-YEAR FLOODPLAIN
- - - - EXISTING SANITARY SEWER
- - - - PROPOSED SANITARY SEWER
- - - - EXISTING POTABLE WATER
- - - - PROPOSED POTABLE WATER
- - - - PROPOSED EASEMENT

NOTES:

1. THE TOP OF SEWER MANHOLES ARE TO BE A MINIMUM OF 0.5' ABOVE EXISTING GRADE OUTSIDE OF THE PRELIMINARY DFRM. THE TOP OF SEWER MANHOLES ARE TO BE A MINIMUM OF 1.0' ABOVE EXISTING GRADE WITHIN THE PRELIMINARY DFRM 100-YEAR FLOODPLAIN.
2. ALLOWABLE PIPE MATERIAL IS PVC, DUCTILE IRON AND FRP. CONCRETE PIPE IS NOT ALLOWED.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING 98% COMPACTION ON ALL TRENCH BACKFILL AND PROVIDING THE TEST RESULTS PERFORMED BY A THIRD PARTY. COMPACTION TESTS WILL BE DONE AT ONE LOCATION POINT RANDOMLY SELECTED OR AS INDICATED BY THE SAWS INSPECTOR/TEST ADMINISTRATOR, PER EACH 12 INCH LOOSE LIFT PER 400 LINEAR FEET AT A MINIMUM. THIS PROJECT WILL NOT BE ACCEPTED AND FINALIZED BY SAWS WITHOUT THIS REQUIREMENT BEING MET AND VERIFIED BY PROVIDING ALL NECESSARY DOCUMENTED TEST RESULTS.
4. EXCEPT WHERE BID ITEMS ARE SPECIFICALLY PROVIDED IN THE PROPOSAL, PAYMENT TO THE CONTRACTOR TO ACCOMMODATE THE REQUIREMENTS SPECIFIED HEREIN SHALL BE CONSIDERED TO BE SUBSIDIARY TO THE VARIOUS ITEMS OF WORK UNDER THIS CONTRACT AND NO DIRECT PAYMENT WILL BE MADE.
5. THE CONTRACTOR SHALL PERFORM ALL WORK NECESSARY FOR THE PROPER INSTALLATION AND FUNCTIONING OF THE VARIOUS TYPES AND SIZES OF PIPE AND EQUIPMENT AT THE LOCATIONS AND WITHIN THE LIMITS SHOWN ON THE PLANS. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS THAT ARE REQUIRED FOR THE PROJECT. ANY FEES REQUIRED FOR THE OBTAINING OF PERMITS WILL BE CONSIDERED SUBSIDIARY AND NO ADDITIONAL DIRECT PAYMENT WILL BE MADE TO THE CONTRACTOR.
6. CONTRACTOR TO PLACE FLOWABLE FILL FROM TOP OF CONCRETE ENCASUREMENT OVER PIPE TO LIMITS OF ROCK CUT IN TRENCH. CONTRACTOR TO PLACE SECONDARY BACKFILL FROM LIMITS OF ROCK CUT TO SAW CUT LINE.

| ITEM NO. | DESCRIPTION | UNIT | QTY. |
|-------------|------------------------------|------|------|
| 848 | 18" SANITARY SEWER MAIN | LF | 1100 |
| 852 | STANDARD 4" MANHOLE | EA | 2 |
| 850 | STANDARD 6" MANHOLE | EA | 1 |
| 850 | STANDARD 6" STRUCTURE | EA | 1 |
| 852 | 4" MANHOLE EXTRA DEPTH | VF | 26 |
| 850 | 6" MANHOLE EXTRA DEPTH | VF | 33 |
| 858 | CONCRETE ENCASUREMENT | LF | 1100 |
| 852 | MANHOLE RING ENCASUREMENT | EA | 4 |
| 550 | TRENCH EXCAVATION PROTECTION | LF | 1100 |
| 413 (COSA) | FLOWABLE FILL | CY | 1128 |
| 164 (TXDOT) | REVEGETATION | SY | 2470 |
| 866 | SANITARY SEWER TV INSPECTION | LF | 1100 |
| 540 (COSA) | EROSION AND SEDIMENT CONTROL | LS | 1 |
| 100 | MOBILIZATION | LS | 1 |
| 101 | PREPARATION OF RIGHT-OF-WAY | LS | 1 |

ADDENDUM 1

Developer's Name: KB HOME
 Address: 4800 FREDERICKSBURG ROAD
 City: SAN ANTONIO State: TX Zip: 78229
 Phone #: (210) 301-2953 Fax #: (210) 366-2378
 SAWS Block Map: 078-612 Total EDUs: 0 Total Acreage: 0.79
 Total Linear Footage of Pipe: 1,737 Plat No.: N/A
 Number of Lots: 0 SAWS Job No.: 12-1622

SAWYER MEADOWS 18-INCH OVERSIZE
 (8-INCH REQUIRED) SANITARY SEWER - PHASE 1
 SAN ANTONIO, TEXAS
 SANITARY SEWER LINE - A
 PLAN AND PROFILE (STA. 1+00.00 TO STA. 12+00.00)

| | |
|----------|---------------|
| PLAT NO. | |
| JOB NO. | 7974-02 |
| DATE | FEBRUARY 2013 |
| DESIGNER | DR |
| CHECKED | LO |
| SHEET | C4.00 |

Date: Jul 12, 2013, 2:54pm User ID: C:\User\...
 File Path: V:\Projects\Design\Gis\Gis\Sanitary Sewer Phase 1\SNV97402_A0.dwg

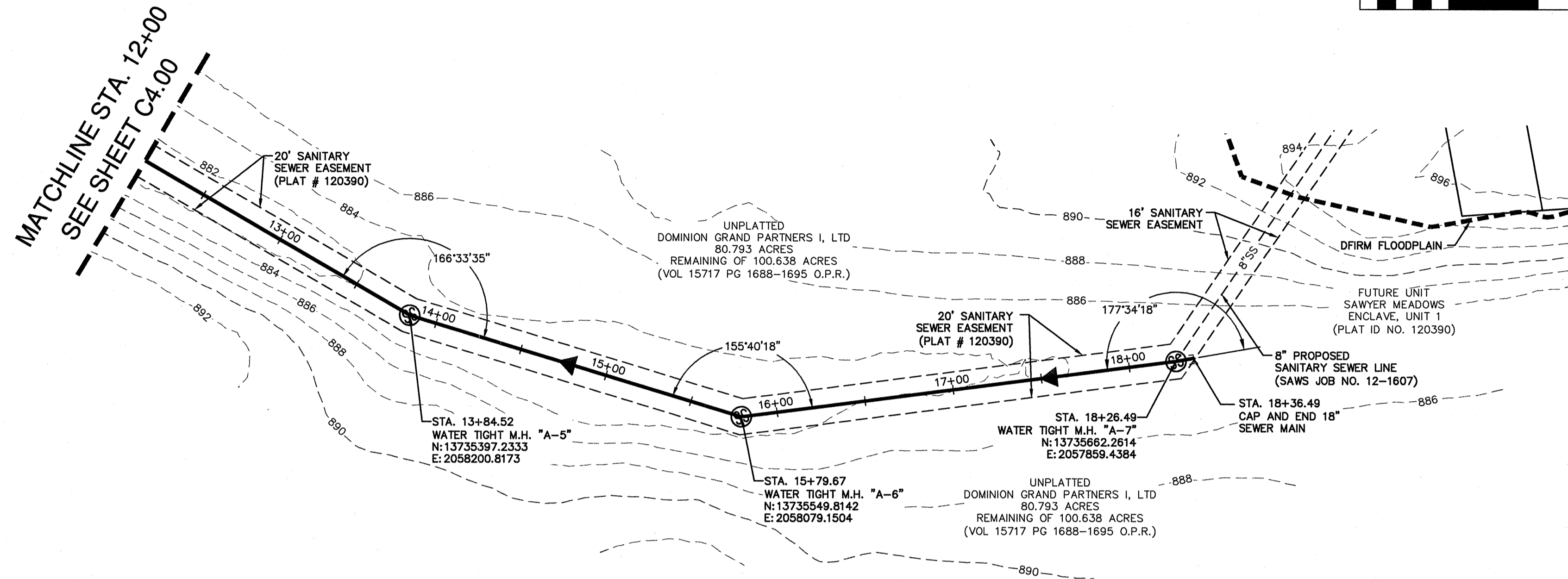
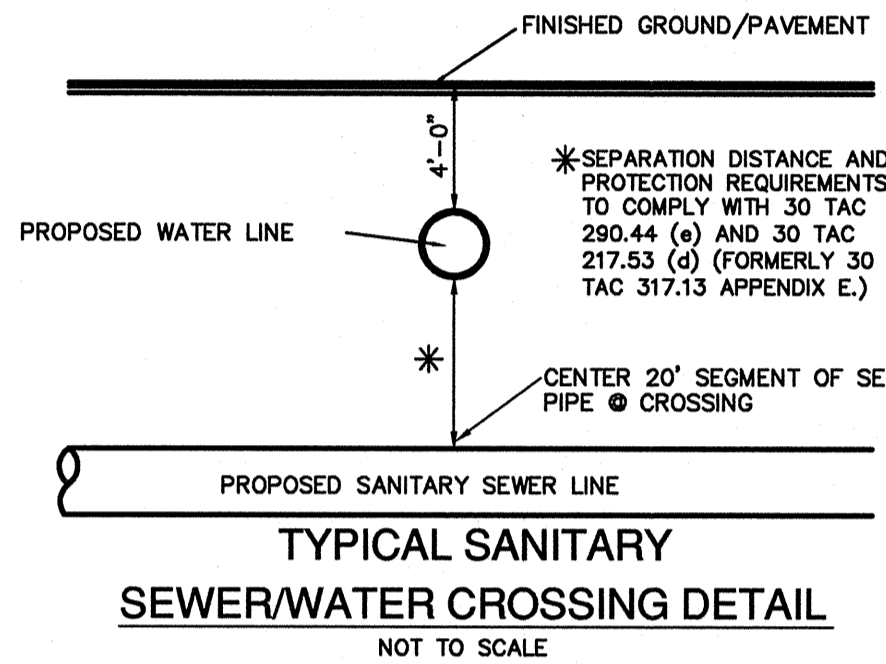
THIS DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALIENED. RELY ONLY ON FINAL HARD COPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEAL.

TRENCH EXCAVATION SAFETY PROTECTION

CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLY 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.

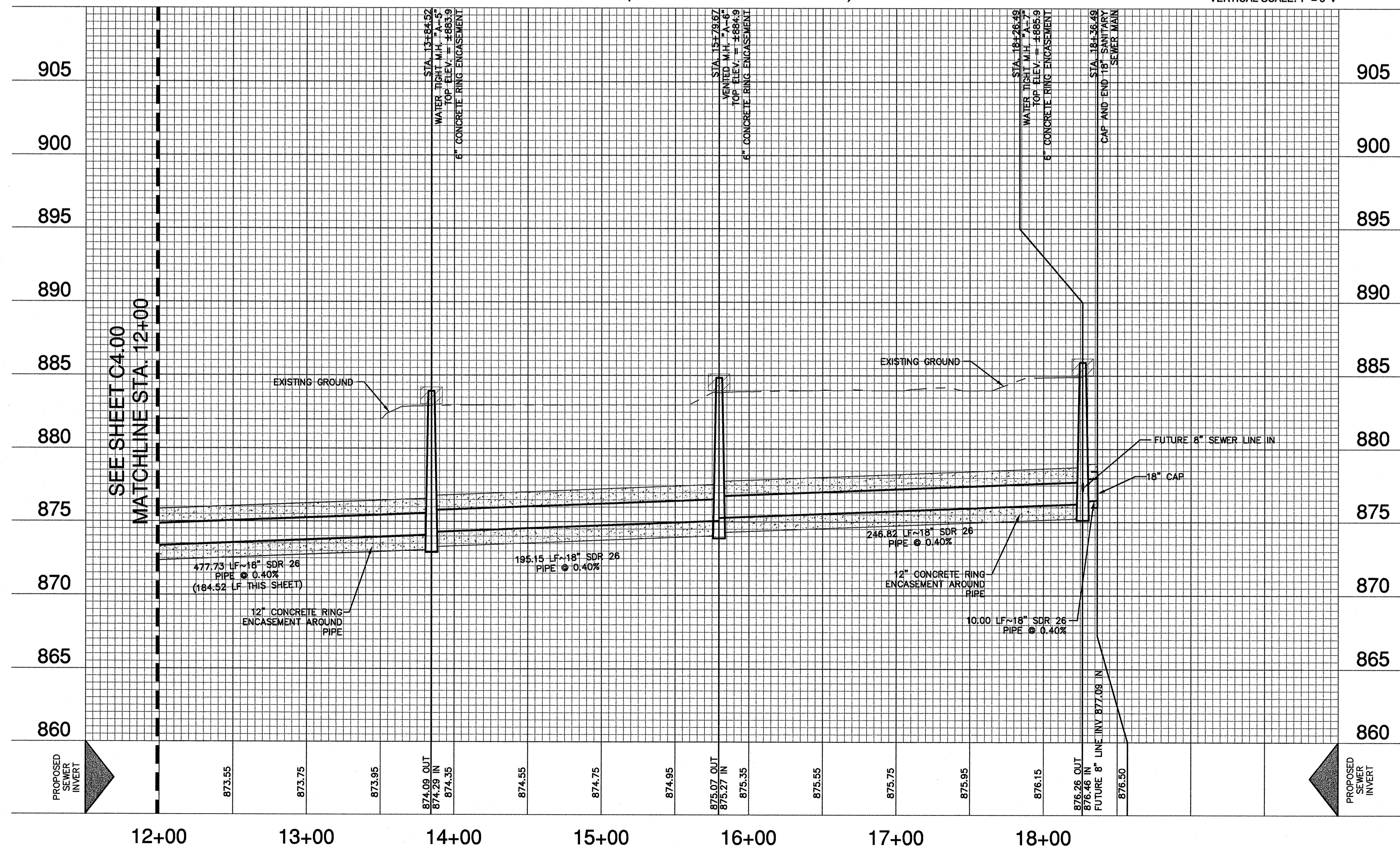
CAUTION!!! CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITING TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

MANHOLE OPENING INCREASED TO 30" AS PER TAC CHAPTER 217.55



SEWER LINE "A0"
(STA. 12+00.00 TO END)

HORIZONTAL SCALE 1" = 50' H
VERTICAL SCALE: 1" = 5' V



LEGEND:

- UNIT BOUNDARY
- - - - - EXISTING 10' CONTOUR
- - - - - EXISTING 2' CONTOUR
- - - - - 100-YEAR FLOODPLAIN
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- EXISTING POTABLE WATER
- PROPOSED POTABLE WATER
- PROPOSED EASEMENT

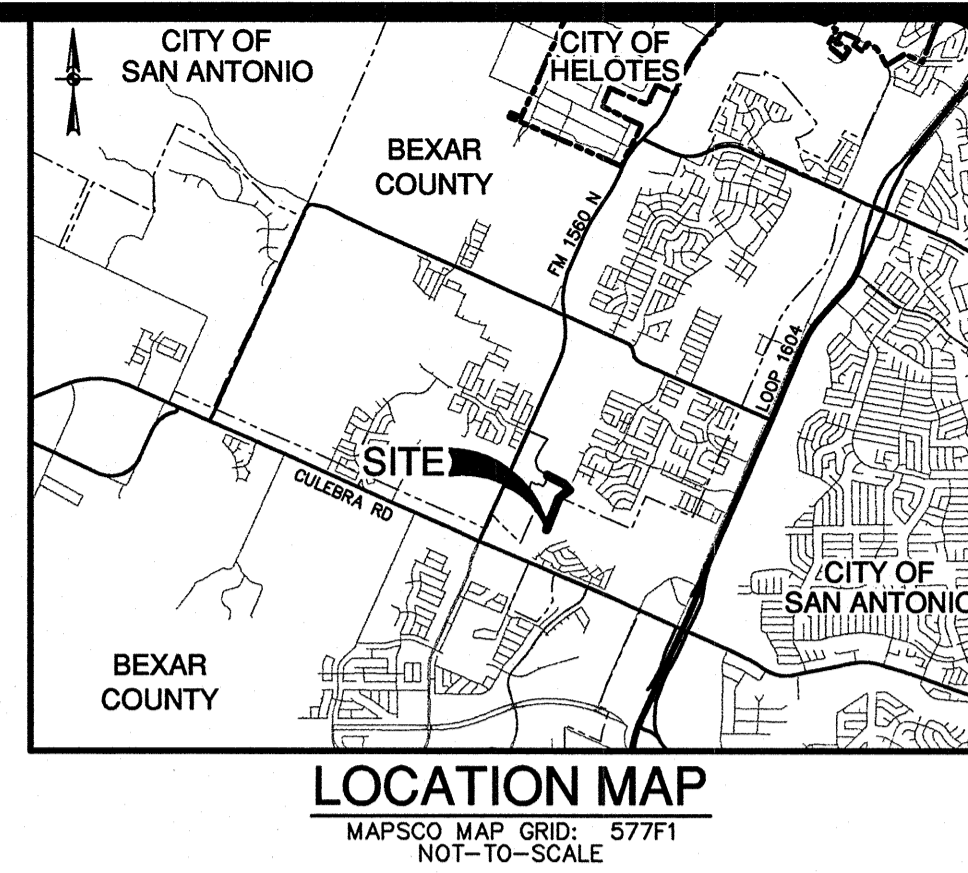
NOTES:

1. THE TOP OF SEWER MANHOLES ARE TO BE A MINIMUM OF 0.5' ABOVE EXISTING GRADE OUTSIDE OF THE PRELIMINARY DFIRM 100-YEAR FLOODPLAIN. THE TOP OF SEWER MANHOLE ARE TO BE A MINIMUM OF 1.0' ABOVE EXISTING GRADE WITHIN THE PRELIMINARY DFIRM 100-YEAR FLOODPLAIN.
2. ALLOWABLE PIPE MATERIAL IS PVC, DUCTILE IRON AND FRP. CONCRETE PIPE IS NOT ALLOWED.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING 98% COMPACTION ON ALL TRENCH BACKFILL AND PROVIDING THE TEST RESULTS PERFORMED BY A THIRD PARTY. COMPACTION TESTS WILL BE DONE AT ONE LOCATION POINT RANDOMLY SELECTED OR AS INDICATED BY THE SAWS INSPECTOR/TEST ADMINISTRATOR, PER EACH 12 INCH LOOSE LIFT PER 400 LINEAR FEET AT A MINIMUM. THIS PROJECT WILL NOT BE ACCEPTED AND FINALIZED BY SAWS WITHOUT THIS REQUIREMENT BEING MET AND VERIFIED BY PROVIDING ALL NECESSARY DOCUMENTED TEST RESULTS.
4. EXCEPT WHERE BID ITEMS ARE SPECIFICALLY PROVIDED IN THE PROPOSAL, PAYMENT TO THE CONTRACTOR TO ACCOMMODATE THE REQUIREMENTS SPECIFIED HEREIN SHALL BE CONSIDERED TO BE SUBSIDIARY TO THE VARIOUS ITEMS OF WORK UNDER THIS CONTRACT AND NO DIRECT PAYMENT WILL BE MADE.
5. THE CONTRACTOR SHALL PERFORM ALL WORK NECESSARY FOR THE PROPER INSTALLATION AND FUNCTIONING OF THE VARIOUS TYPES AND SIZES OF PIPE AND EQUIPMENT AT THE LOCATIONS AND WITHIN THE LIMITS SHOWN ON THE PLANS. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS THAT ARE REQUIRED FOR THE PROJECT. ANY FEES REQUIRED FOR THE OBTAINING OF PERMITS WILL BE CONSIDERED SUBSIDIARY AND NO ADDITIONAL DIRECT PAYMENT WILL BE MADE TO THE CONTRACTOR.
6. CONTRACTOR TO PLACE FLOWABLE FILL FROM TOP OF CONCRETE ENCASUREMENT OVER PIPE TO LIMITS OF ROCK CUT IN TRENCH. CONTRACTOR TO PLACE SECONDARY BACKFILL FROM LIMITS OF ROCK CUT TO SAW CUT LINE.

| ITEM NO. | DESCRIPTION | UNIT | QTY. |
|-------------|------------------------------|------|------|
| 848 | 18" SANITARY SEWER MAIN | LF | 637 |
| 852 | STANDARD 4' MANHOLE | EA | 3 |
| 850 | STANDARD 6' MANHOLE | EA | 0 |
| 850 | STANDARD 6' STRUCTURE | EA | 0 |
| 852 | 4' MANHOLE EXTRA DEPTH | VF | 11 |
| 850 | 6' MANHOLE EXTRA DEPTH | VF | 0 |
| 858 | CONCRETE ENCASUREMENT | LF | 637 |
| 852 | MANHOLE RING ENCASUREMENT | EA | 3 |
| 550 | TRENCH EXCAVATION PROTECTION | LF | 637 |
| 413 (COSA) | FLOWABLE FILL | CY | 342 |
| 164 (TXDOT) | REVEGETATION | SY | 1366 |
| 866 | SANITARY SEWER TV INSPECTION | LF | 637 |
| 540 (COSA) | EROSION AND SEDIMENT CONTROL | LS | 1 |
| 100 | MOBILIZATION | LS | 1 |
| 101 | PREPARATION OF RIGHT-OF-WAY | LS | 1 |

ADDENDUM 1

Developer's Name: KB HOME
 Address: 4800 FREDERICKSBURG ROAD
 City: SAN ANTONIO State: TX Zip: 78229
 Phone #: (210) 301-2953 Fax #: (210) 366-2378
 SAWS Block Map: 078-612 Total EDUs: 0 Total Acreage: 0.79
 Total Linear Footage of Pipe: 1,737 Plat No.: N/A
 Number of Lots: 0 SAWS Job No.: 12-1622



NO. REVISION
 1. REVISED NOTES AND QUANTITIES 7/12/13

DATE 7-12-13

SHAUNA L. WEAVER
 89512
 PROFESSIONAL ENGINEERING

PAPE-DAWSON ENGINEERS

555 EAST RAMSEY | SAN ANTONIO, TEXAS 78216 | PHONE: 210.375.9000 FAX: 210.375.9010

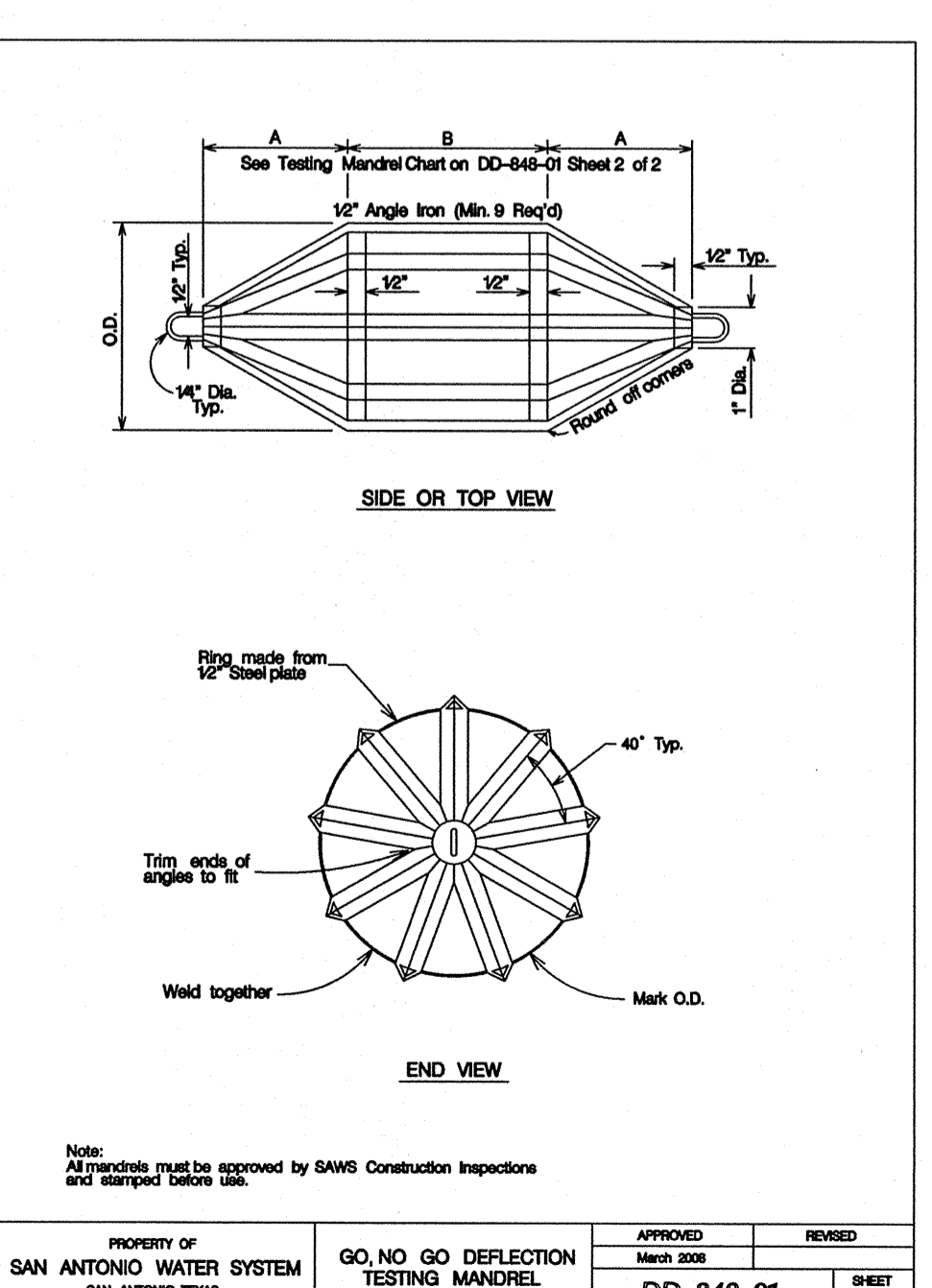
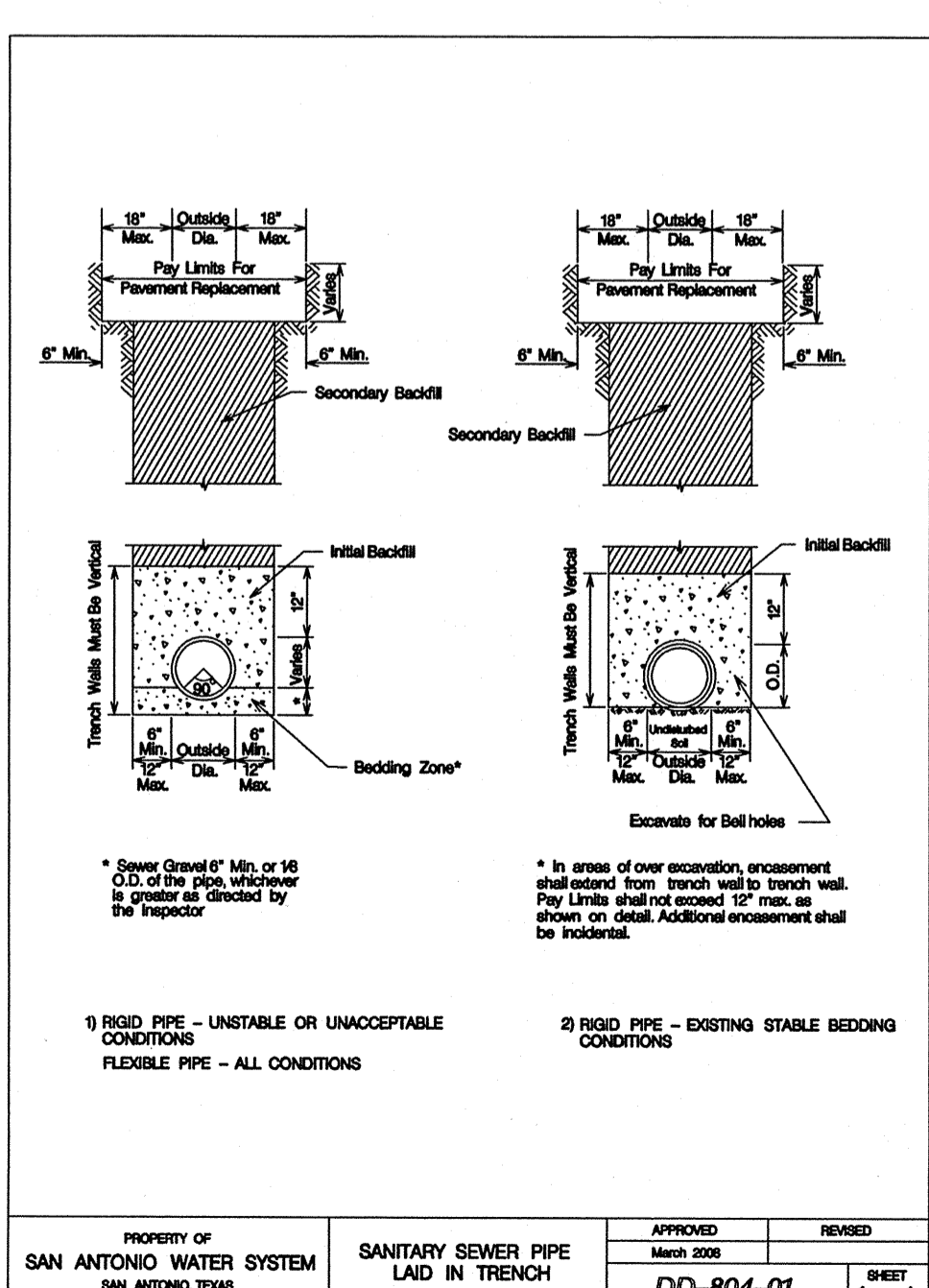
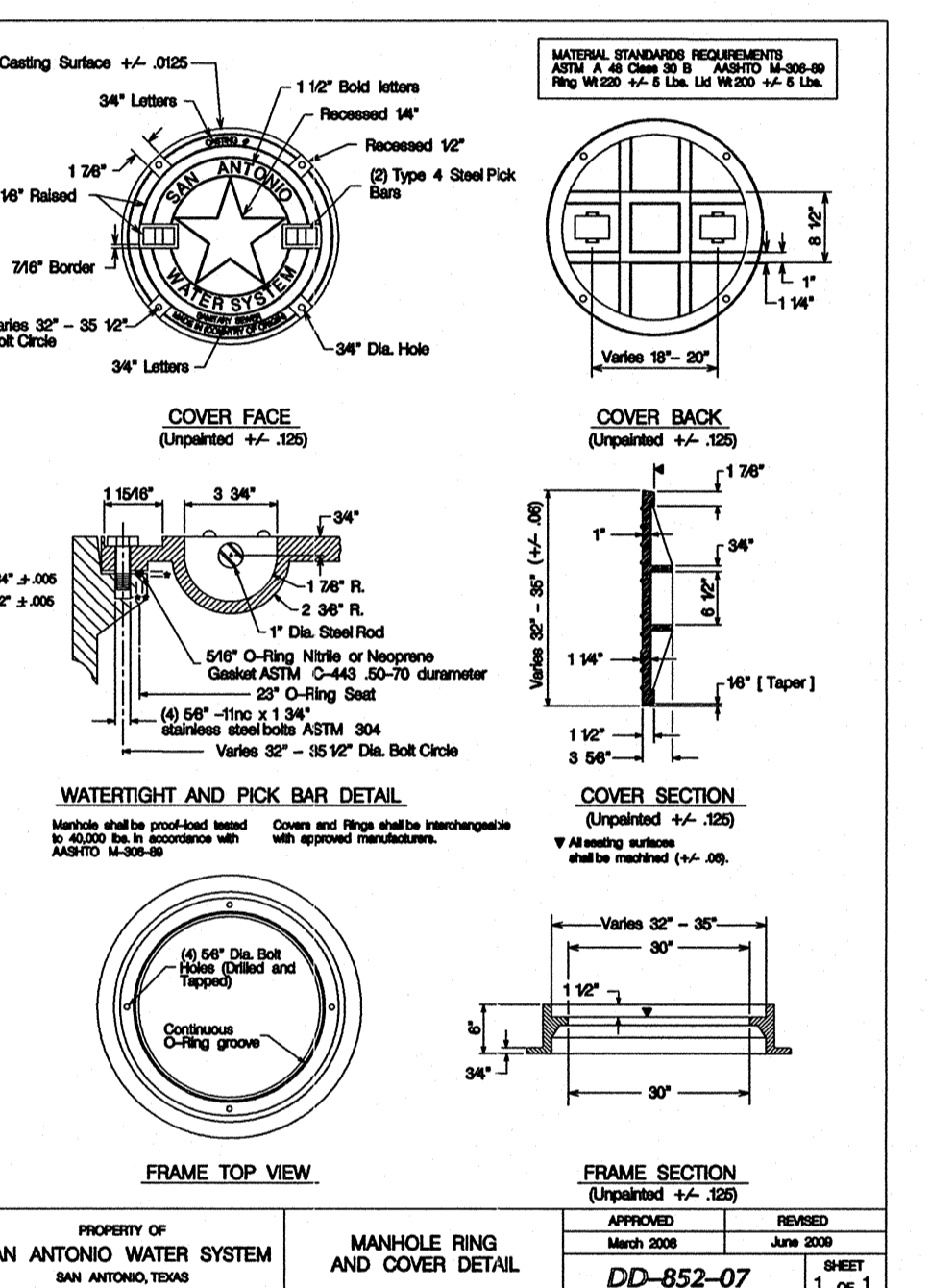
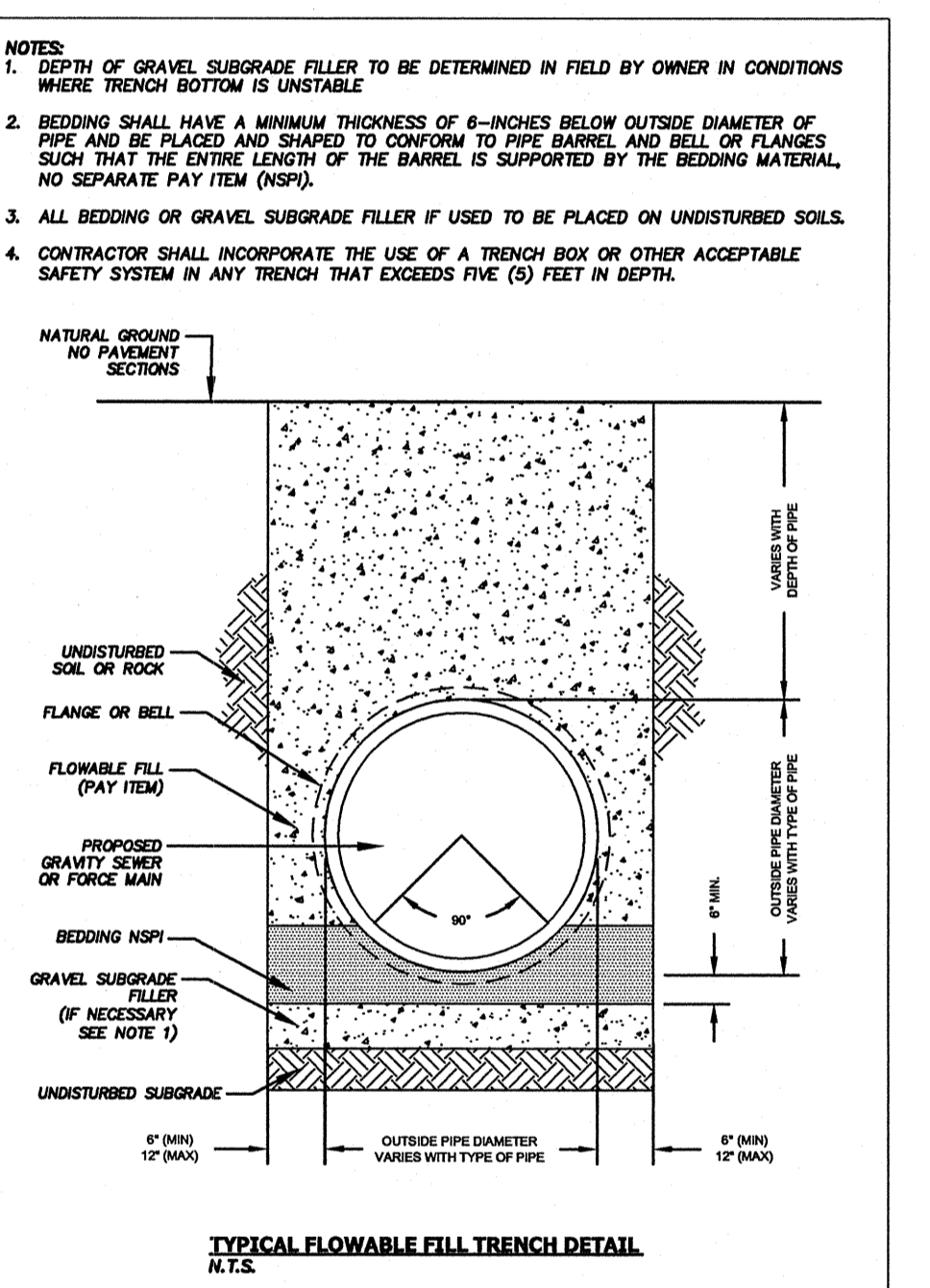
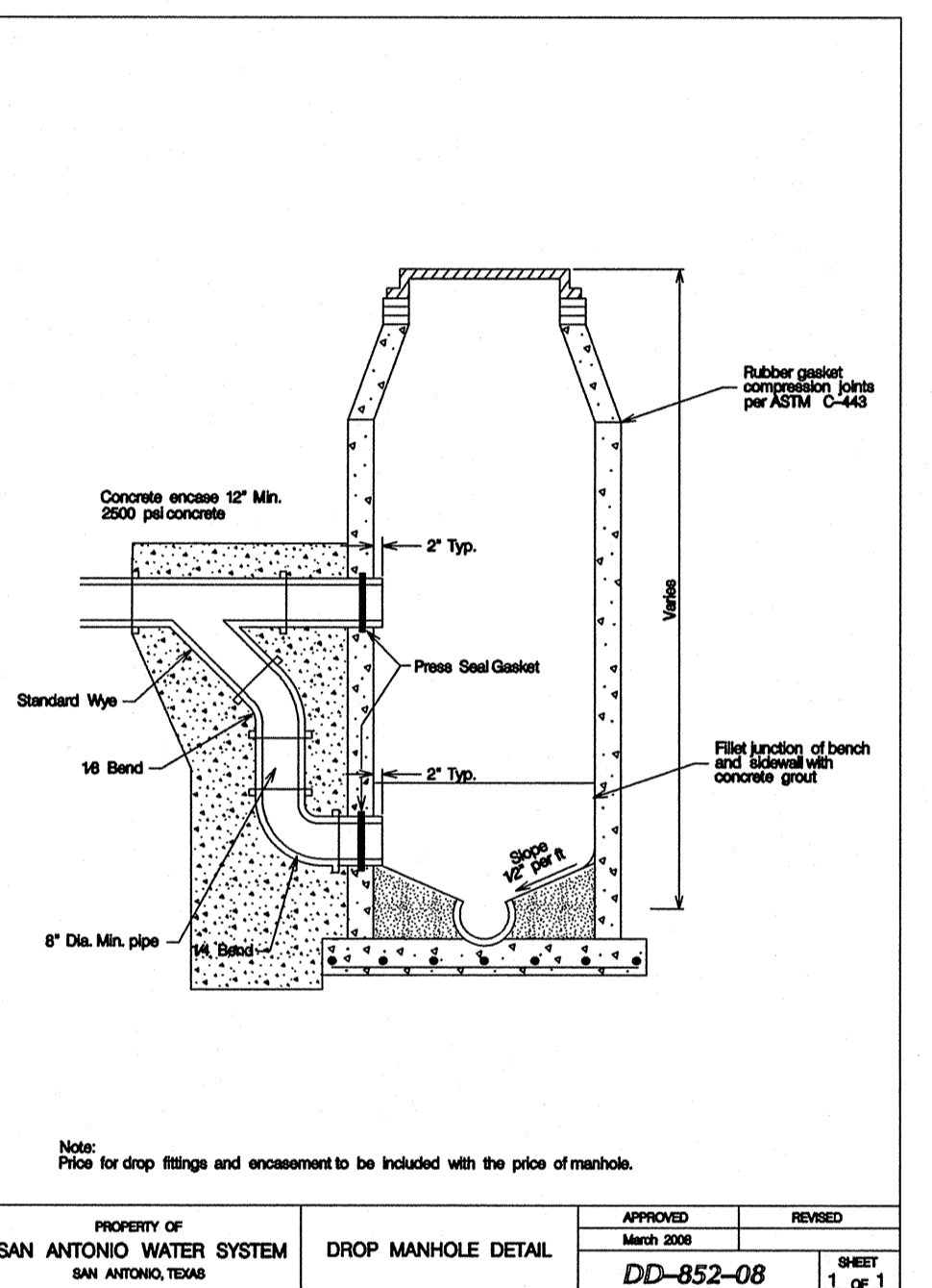
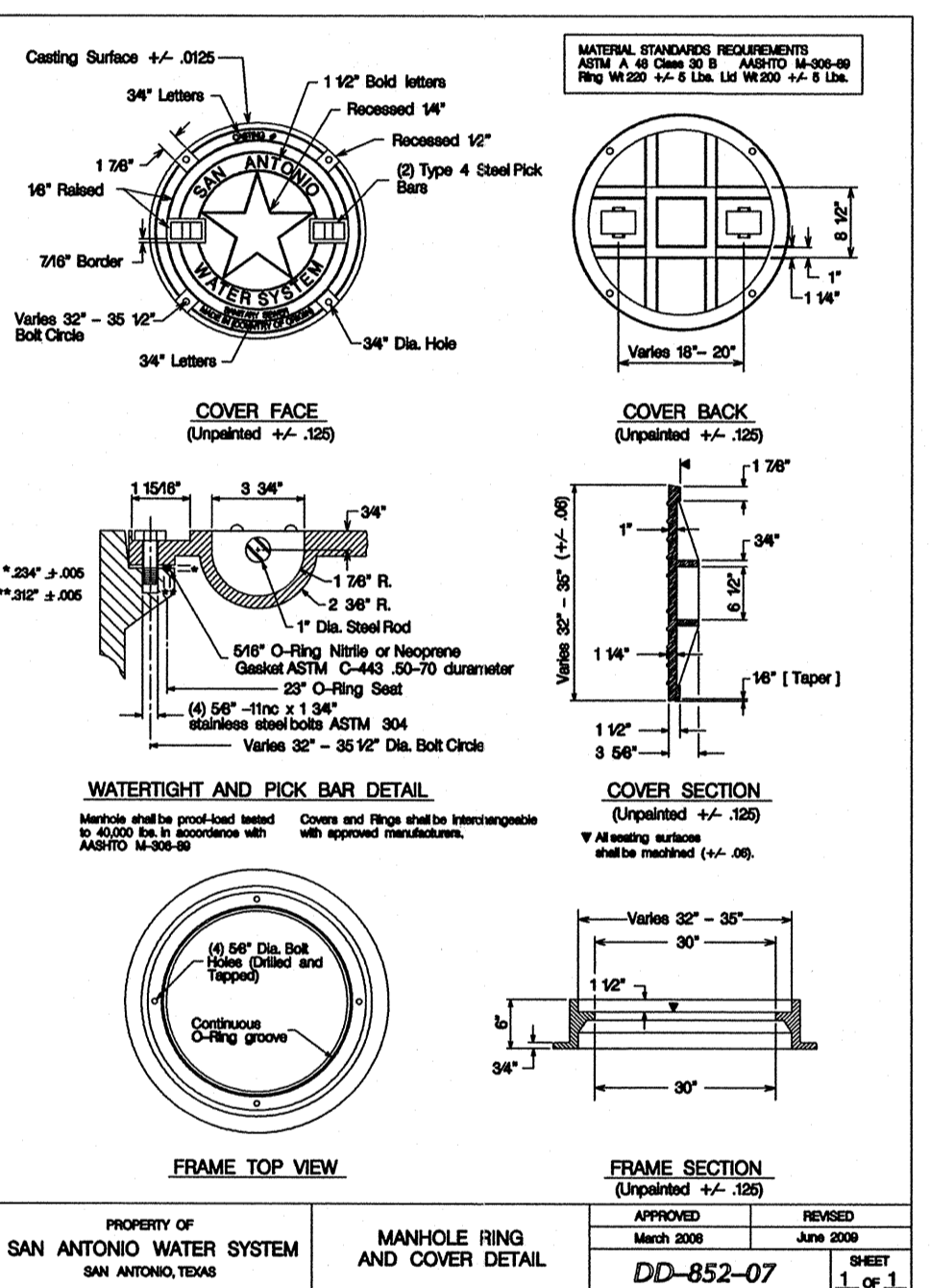
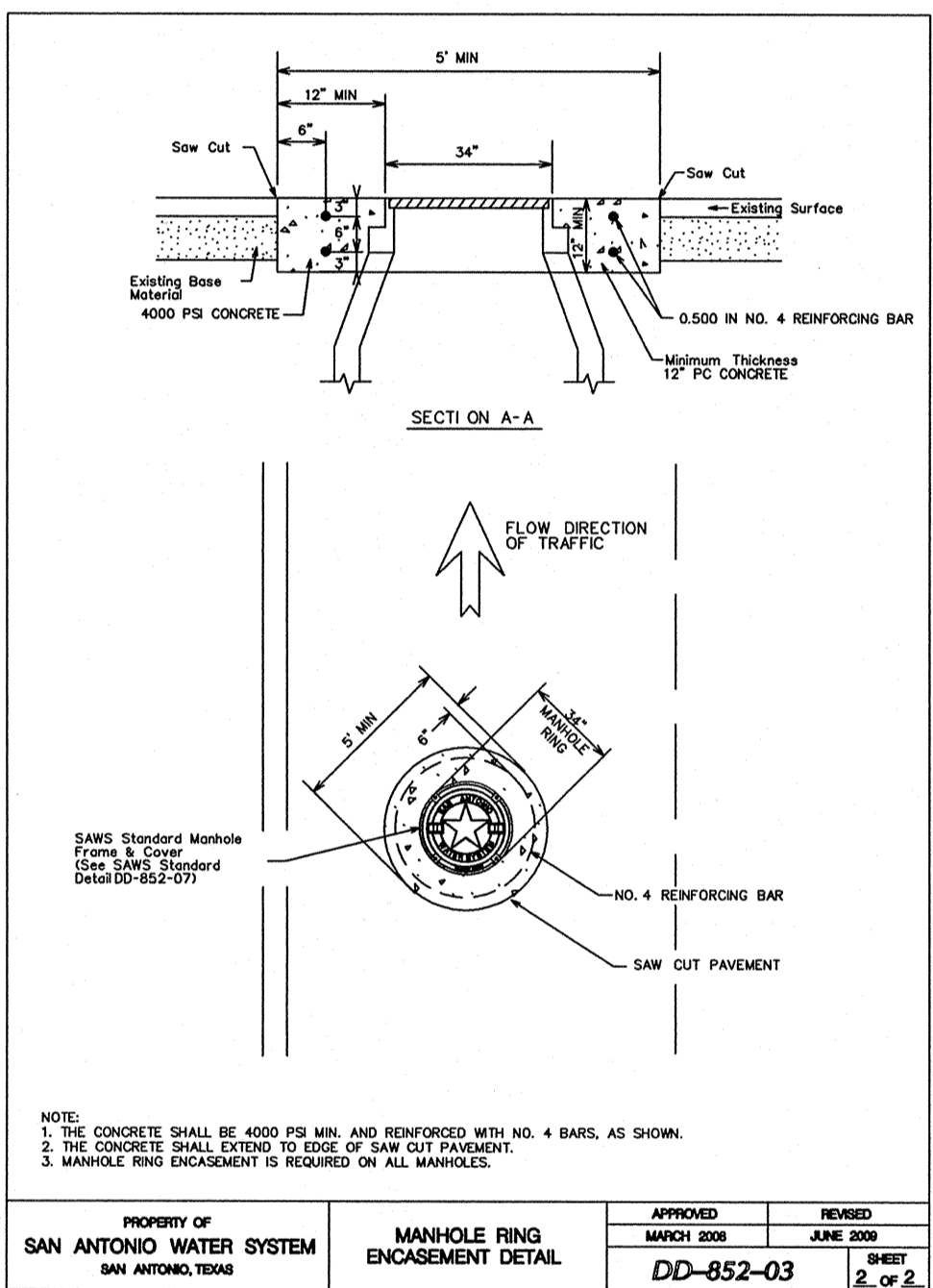
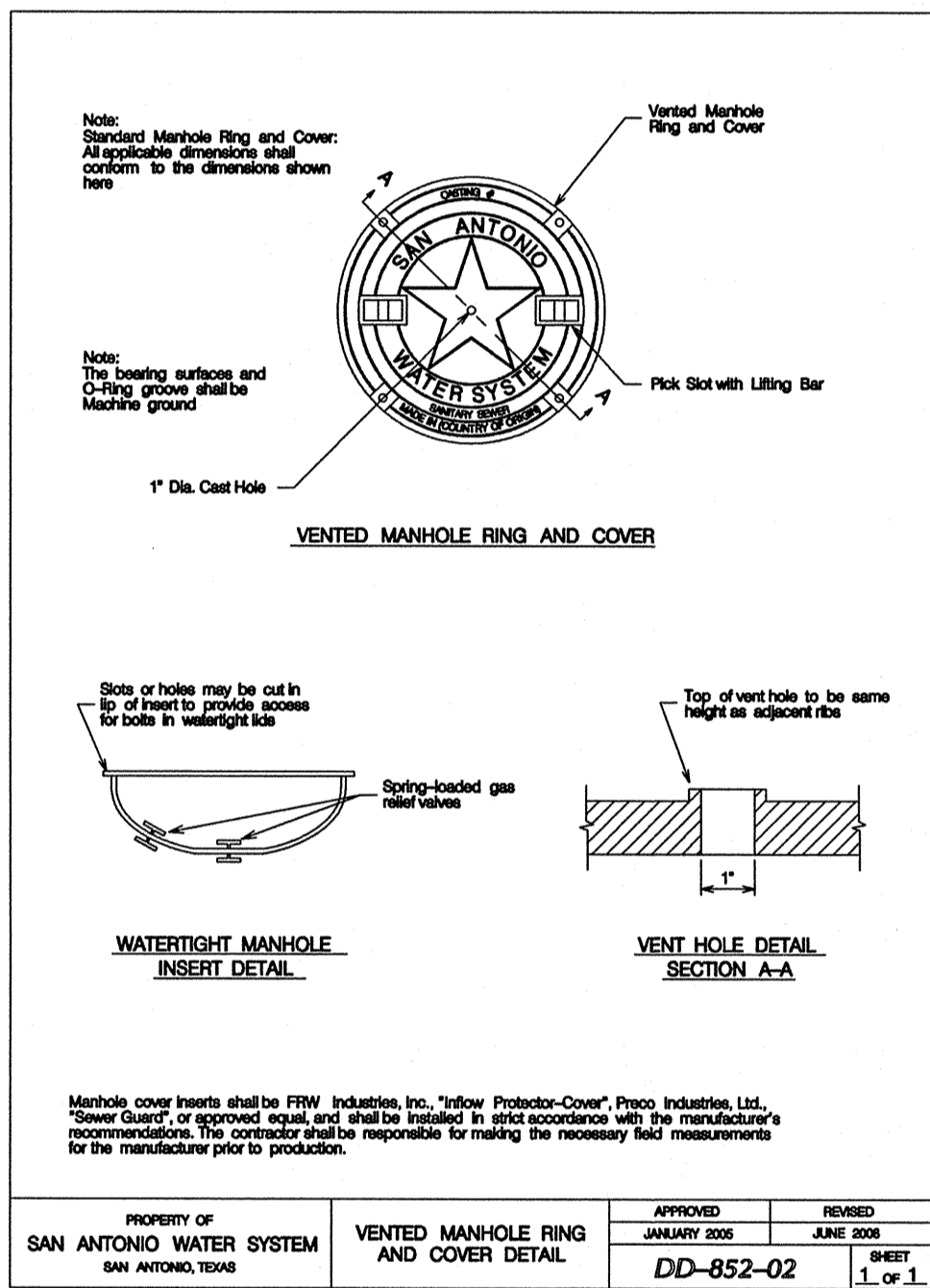
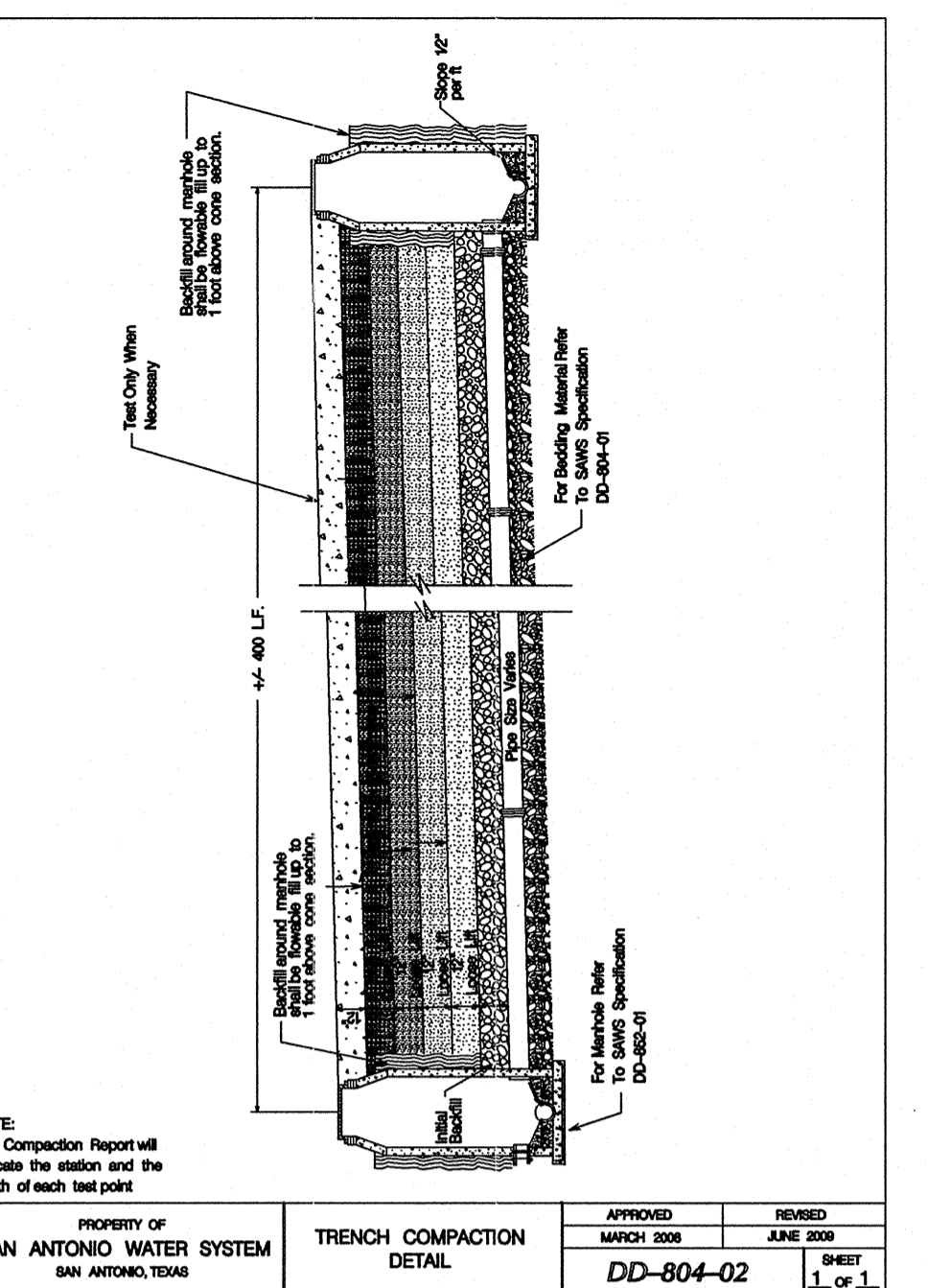
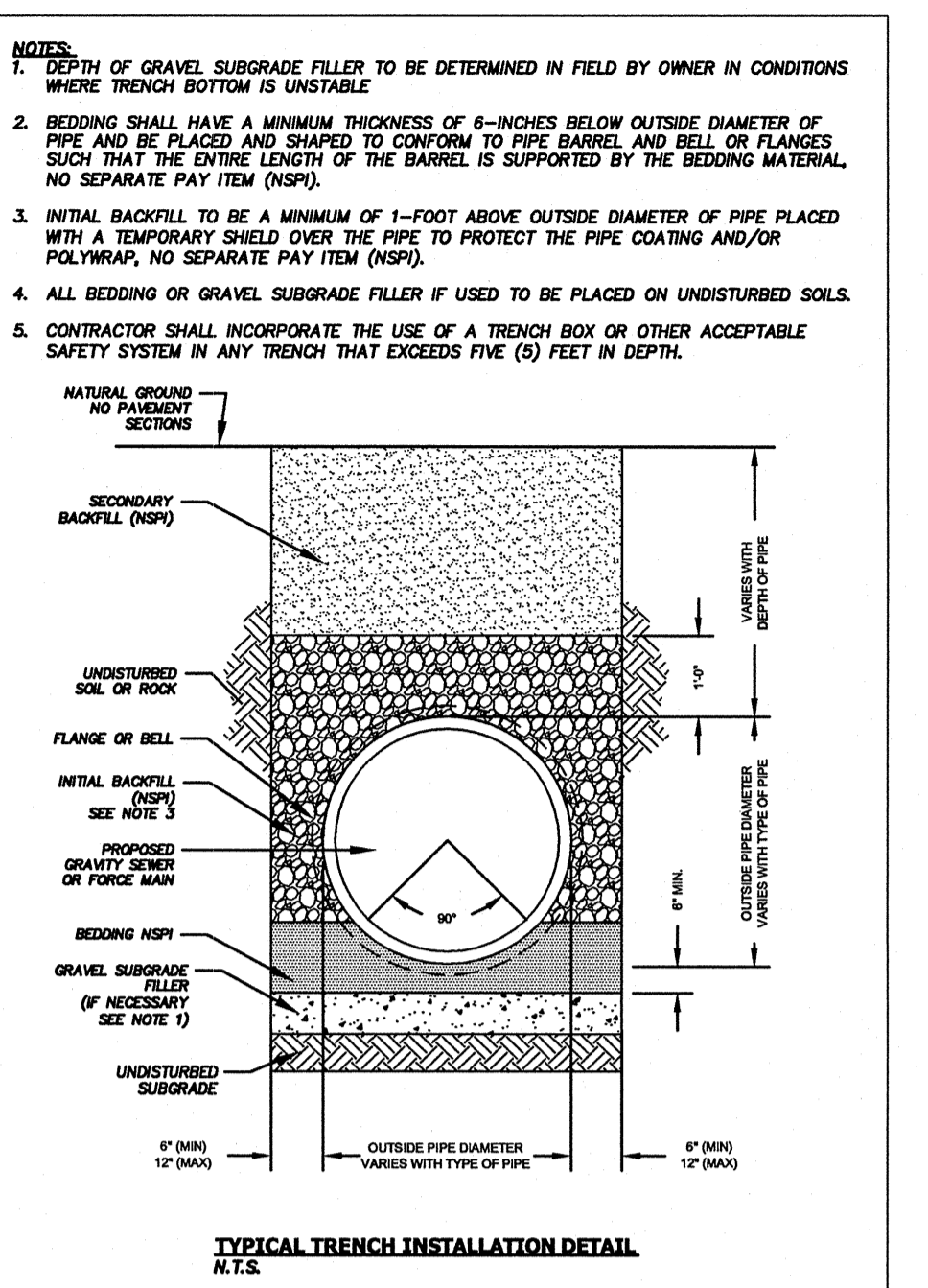
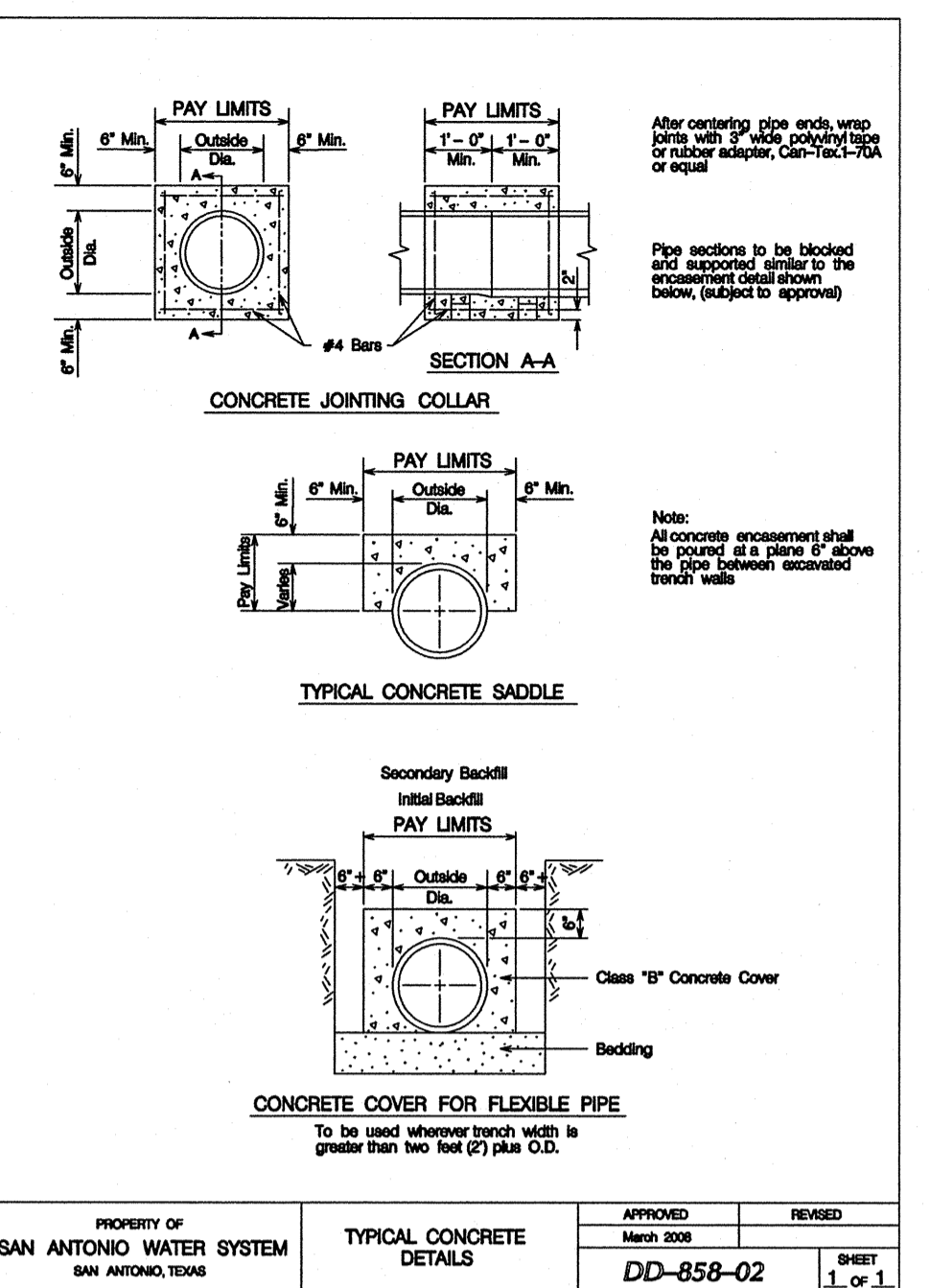
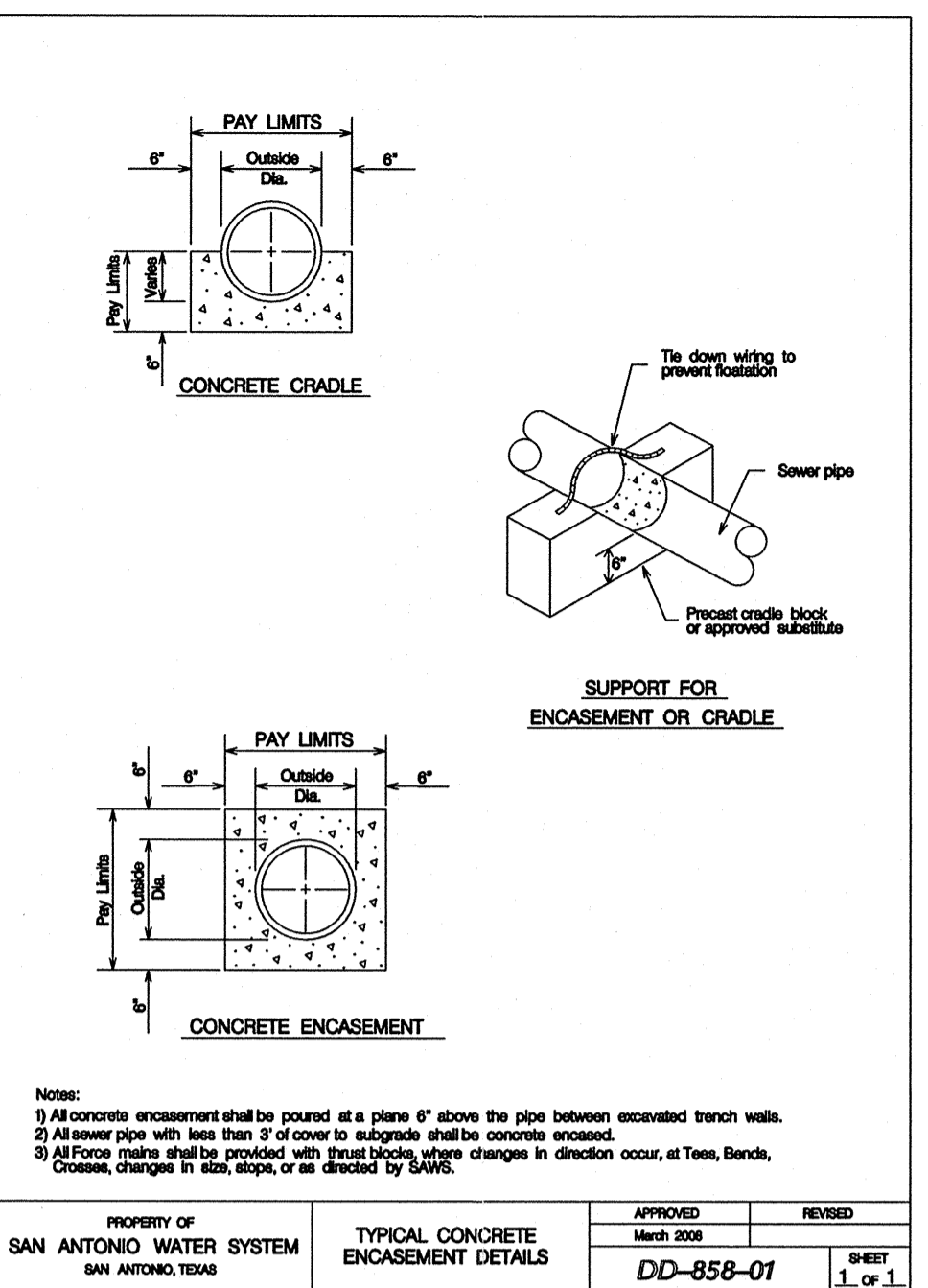
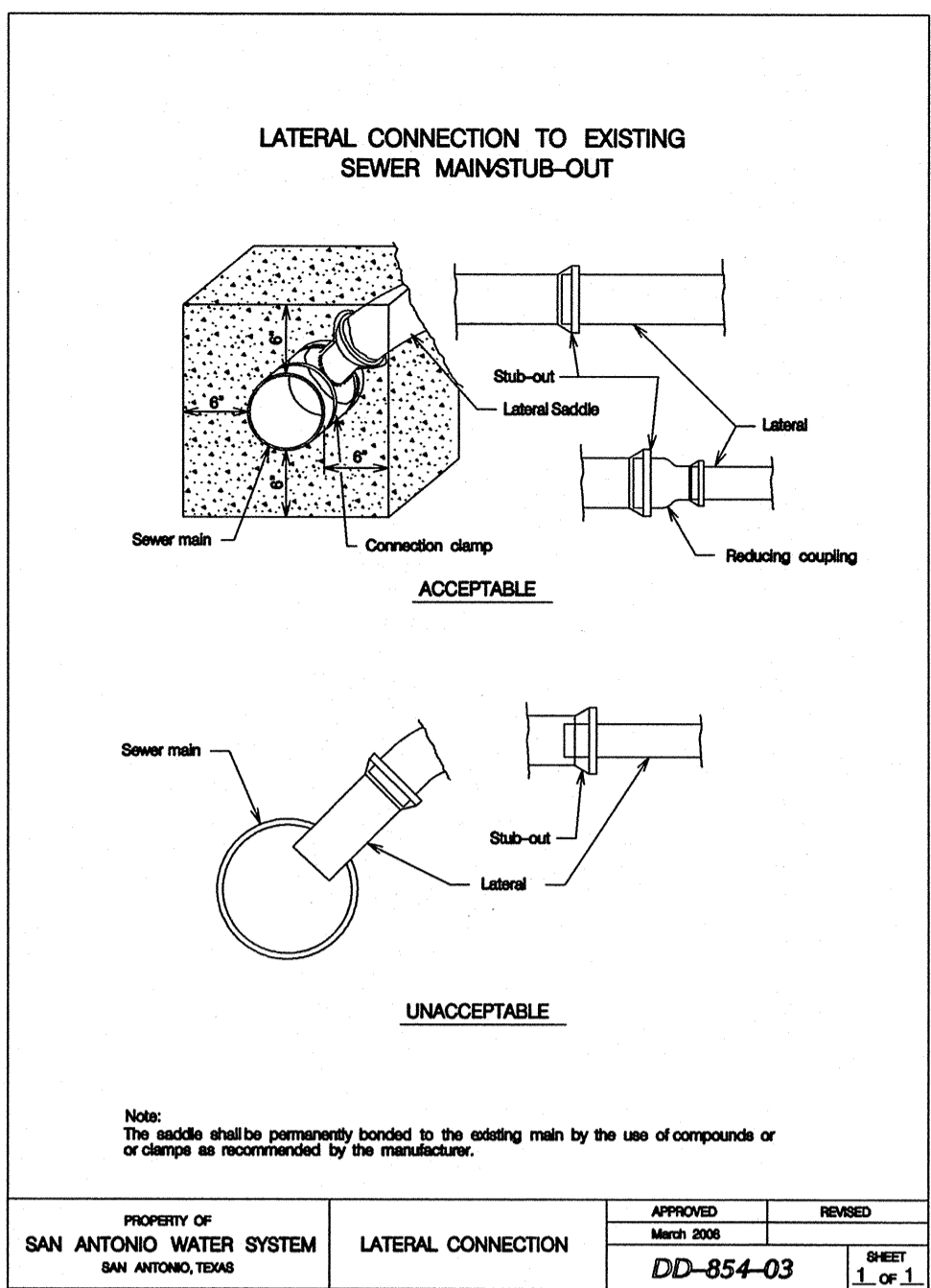
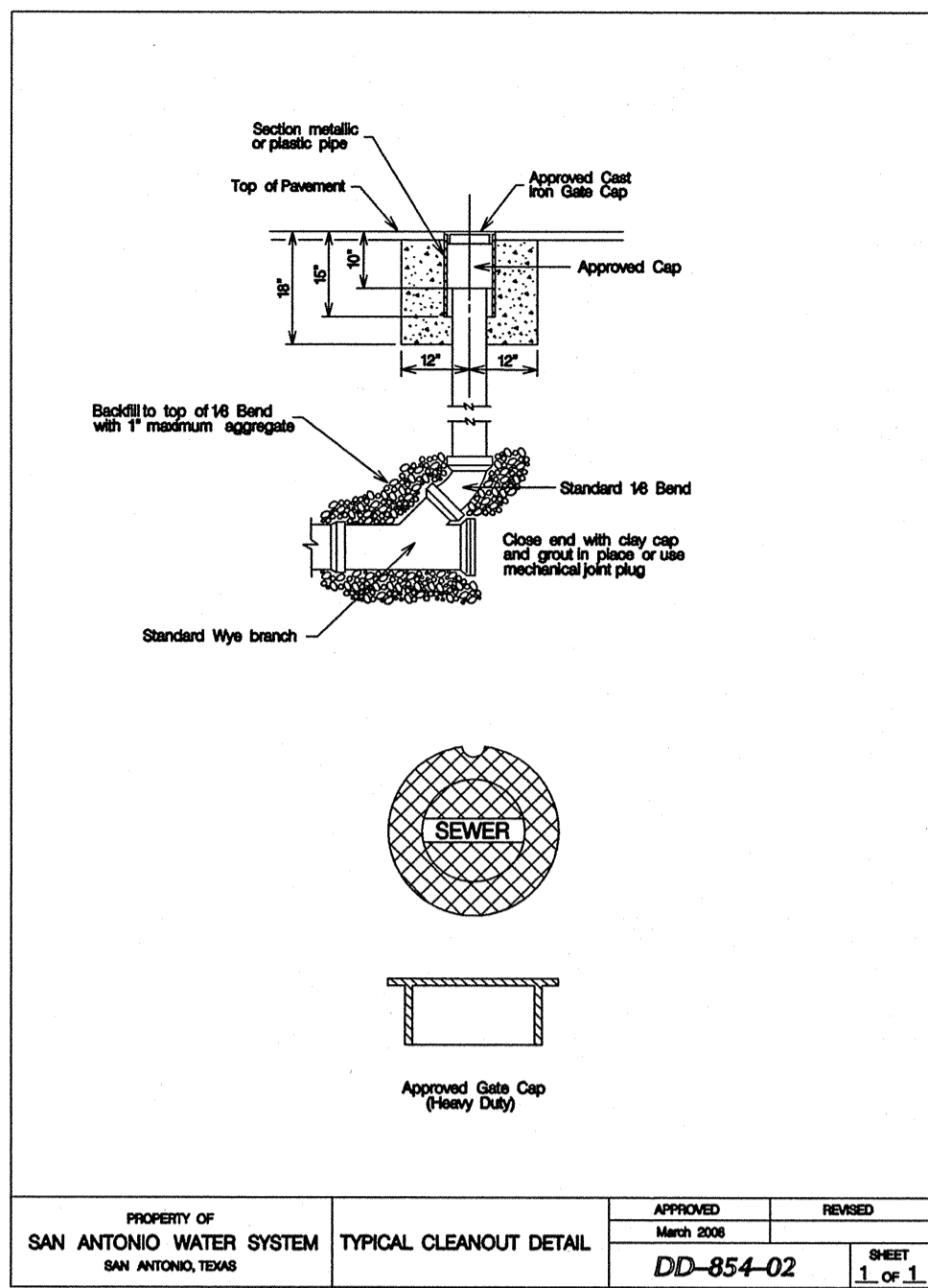
TEXAS BOARD OF PROFESSIONAL ENGINEERS, FIRM REGISTRATION # 470

SAWYER MEADOWS 18-INCH OVERSIZE
 (8-INCH REQUIRED) SANITARY SEWER - PHASE 1
 SAN ANTONIO, TEXAS
 SANITARY SEWER LINE - A
 PLAN AND PROFILE (STA. 12+00.00 TO END)

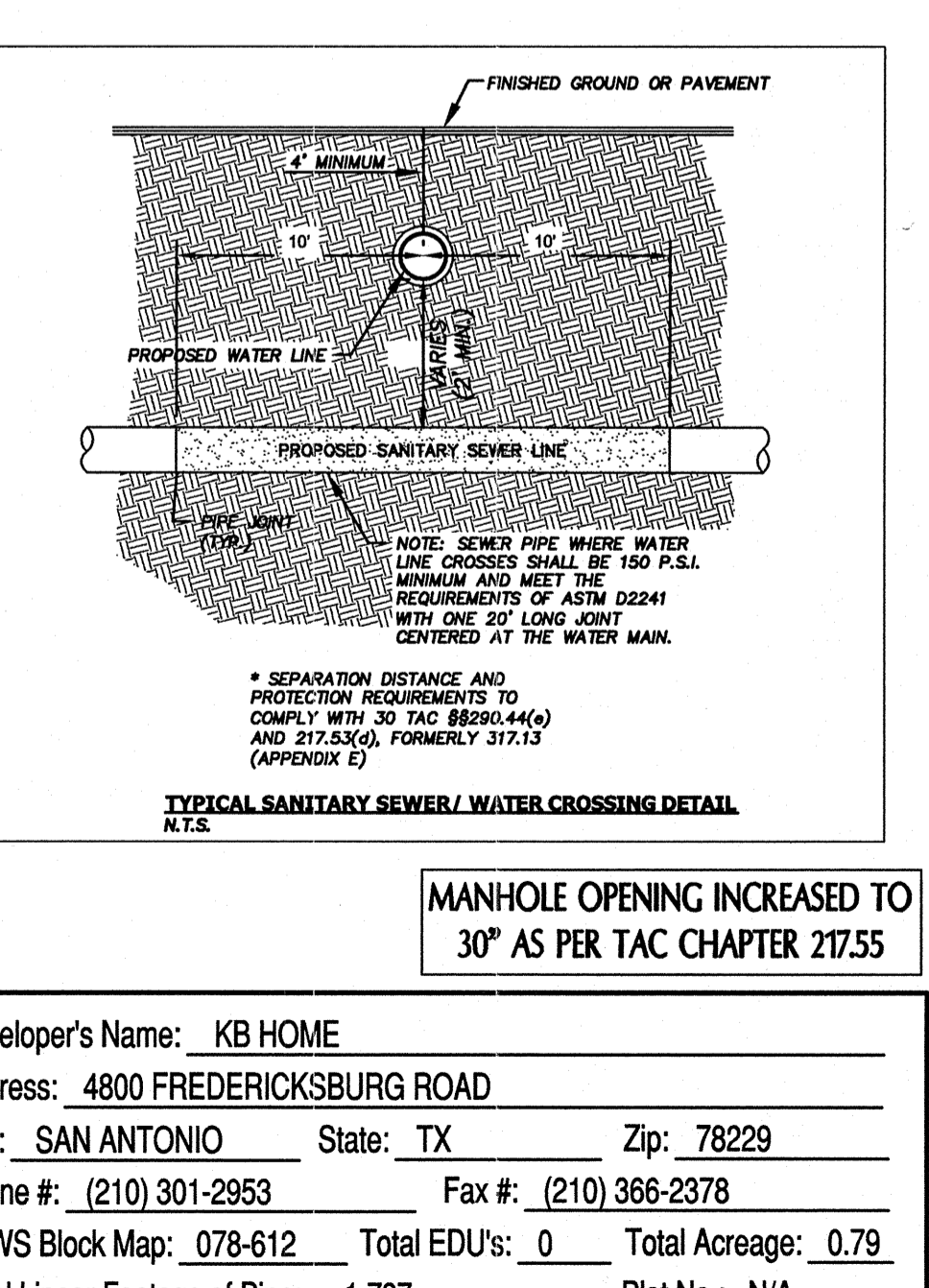
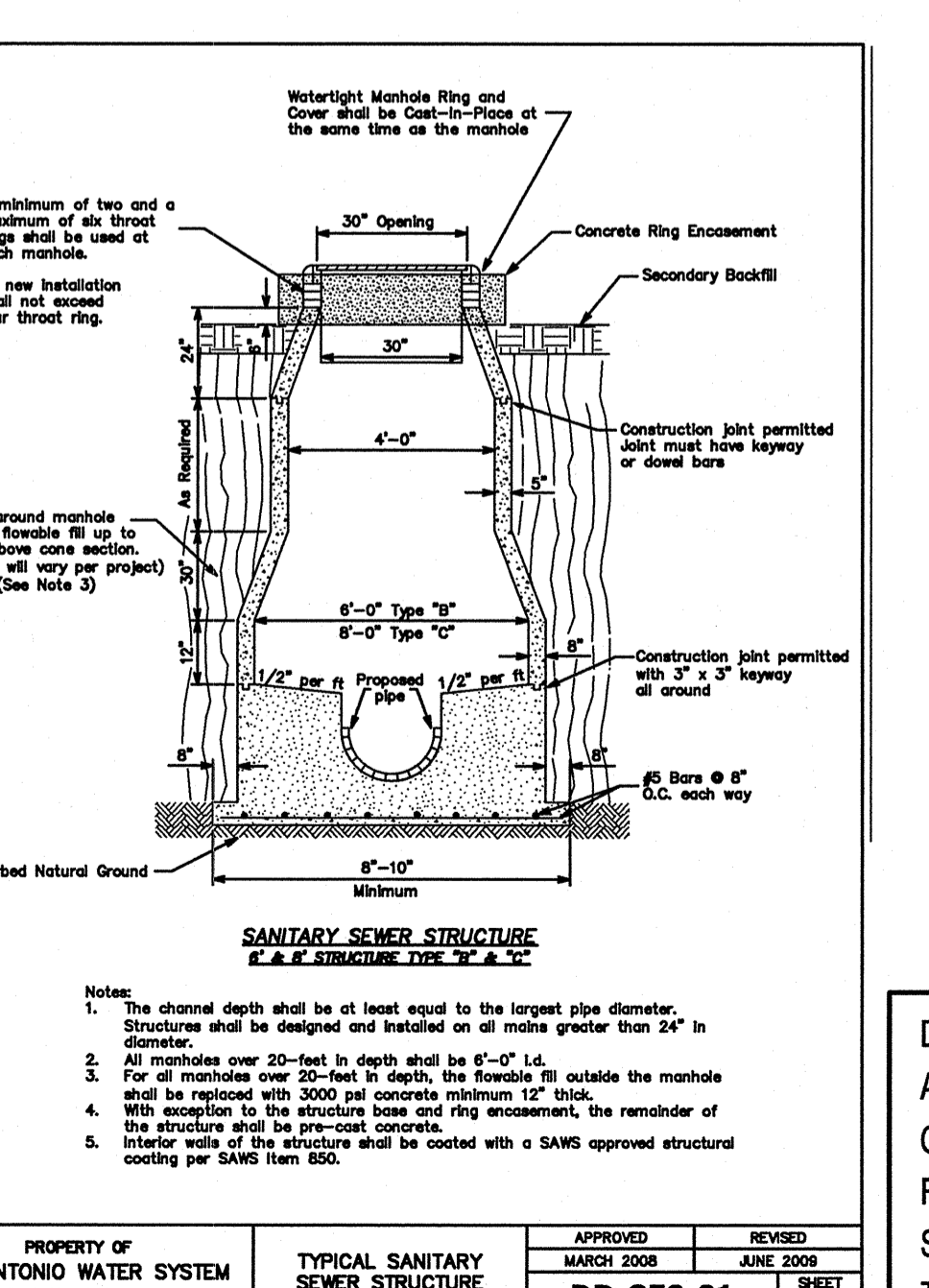
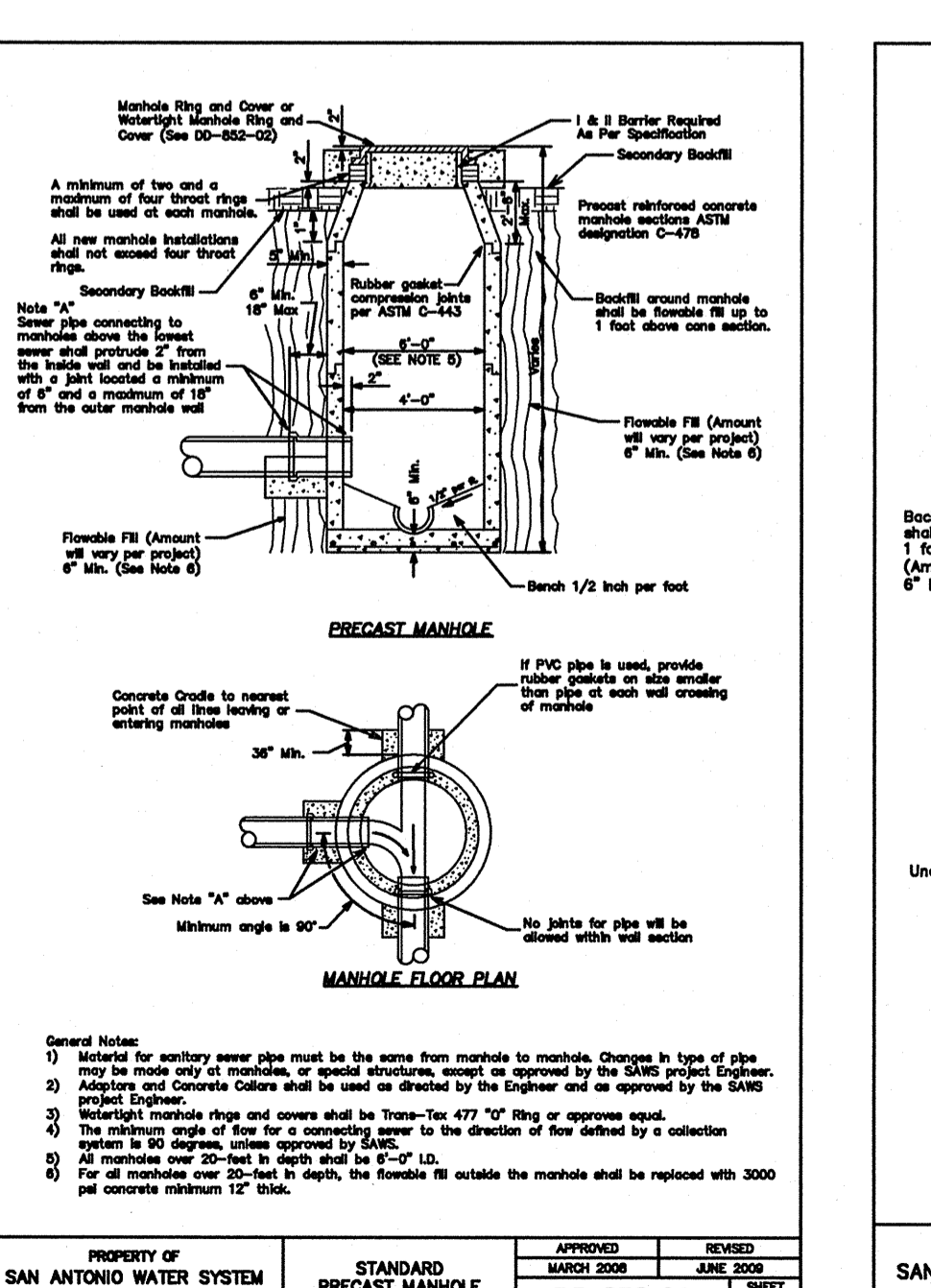
PLAT NO. _____
 JOB NO. 7974-02
 DATE FEBRUARY 2013
 DESIGNER DL
 CHECKED SL DRAWN SL
 SHEET C4.01

Drawn: Jul 12, 2013, 9:32am User: JLB C:\Users\jlb\Documents\Projects\SanAntonio\SanAntonio_Sewer_Phase 1\SW1297402_C40.dwg
 File: P:\Projects\14102\Design\SanAntonio\SanAntonio_Sewer_Phase 1\SW1297402_C40.dwg

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| DEPTH OF COVER (FT) | PIPE DIAMETER, INCHES | | | |
|---------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | 8 | 12 | 18 | 24 |
| 0-25 | DI (DL 350) PVC (DR-26) | DI (DL 350) PVC (DR-26) | DI (DL 350) FRP (SN-44) | DI (DL 350) FRP (SN-44) |
| 25-30 | DI (DL 350) PVC (DR-26) | DI (DL 350) PVC (DR-26) | DI (DL 350) FRP (SN-44) | DI (DL 350) FRP (SN-44) |
| 30-35 | DI (DL 350) PVC (DR-26) | DI (DL 350) PVC (DR-26) | DI (DL 350) FRP (SN-44) | DI (DL 350) FRP (SN-44) |



| | | | |
|---|-------------------------|---------------------|-----------|
| PROPERTY OF SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS | TYPICAL CLEANOUT DETAIL | APPROVED MARCH 2008 | REVISIONS |
| DD-854-02 | SHEET 1 OF 1 | | |

| | | | |
|---|--------------------|---------------------|-----------|
| PROPERTY OF SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS | LATERAL CONNECTION | APPROVED MARCH 2008 | REVISIONS |
| DD-854-03 | SHEET 1 OF 1 | | |

| | | | |
|---|-------------------------------------|---------------------|-----------|
| PROPERTY OF SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS | TYPICAL CONCRETE ENCASEMENT DETAILS | APPROVED MARCH 2008 | REVISIONS |
| DD-858-01 | SHEET 1 OF 1 | | |

| | | | |
|---|--------------------------|---------------------|-----------|
| PROPERTY OF SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS | TYPICAL CONCRETE DETAILS | APPROVED MARCH 2008 | REVISIONS |
| DD-858-02 | SHEET 1 OF 1 | | |

| | | | |
|---|-------------------------------------|---------------------|-----------|
| PROPERTY OF SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS | TYPICAL FLOWABLE FILL TRENCH DETAIL | APPROVED MARCH 2008 | REVISIONS |
| DD-852-08 | SHEET 1 OF 1 | | |

| | | | |
|---|-------------------------------|---------------------|-----------|
| PROPERTY OF SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS | MANHOLE RING AND COVER DETAIL | APPROVED MARCH 2008 | REVISIONS |
| DD-852-07 | SHEET 1 OF 1 | | |

SAWYER MEADOWS 18-INCH OVERSIZE (8-INCH REQUIRED) SANITARY SEWER - PHASE 1 SAN ANTONIO, TEXAS SANITARY SEWER DETAILS

MANHOLE OPENING INCREASED TO 30" AS PER TAC CHAPTER 217.55

Developer's Name: KB HOME
 Address: 4800 FREDERICKSBURG ROAD
 City: SAN ANTONIO State: TX Zip: 78229
 Phone #: (210) 301-2953 Fax #: (210) 366-2378
 SAWS Block Map: 078-612 Total EDUs: 0 Total Acreage: 0.79
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 Number of Lots: 0 SAWS Job No.: 12-1622

PLAT NO. 7974-02
 JOB NO. 7974-02
 DATE FEBRUARY 2013
 DESIGNER LO
 CHECKED [Signature] DRAWN SL
 SHEET C4.02

STATE OF TEXAS
 SHAUNA L. WEAVER
 89512
 LICENSED PROFESSIONAL ENGINEER
 12-27-13
 Shauna L. Weaver

555 EAST RAMSEY | SAN ANTONIO, TEXAS 78216 | PHONE: 210.375.9000 FAX: 210.375.9010
 TEXAS BOARD OF PROFESSIONAL ENGINEERS, FIRM REGISTRATION # 470

DATE _____
 NO. REVISION _____