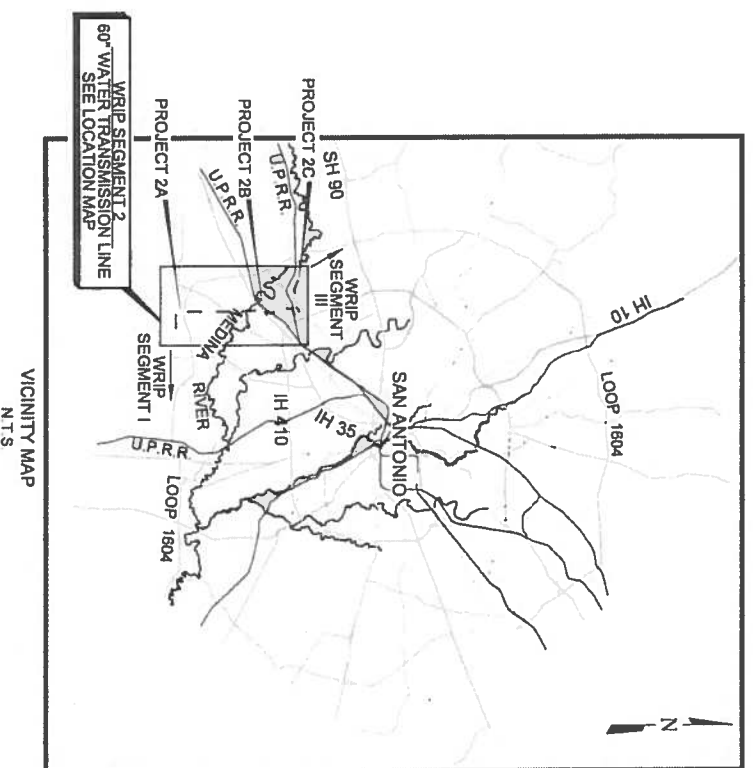


SAN ANTONIO WATER SYSTEM



WATER RESOURCES INTEGRATION PROGRAM PIPELINE SEGMENT 2A

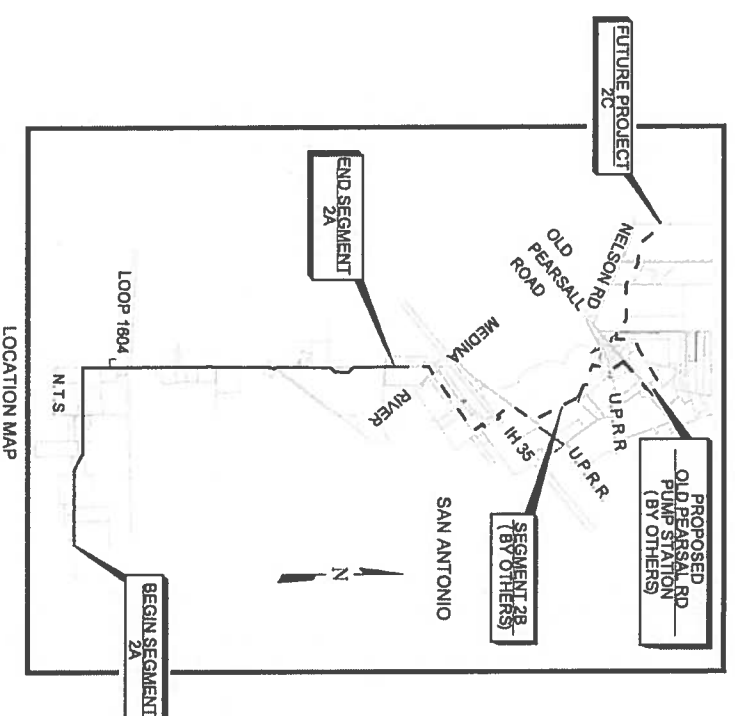
SAWS JOB NO. 14-8605 (WATER)
 BID SOLICITATION NO. B-14-045-DD
 CONFORMED DOCUMENTS



CEC
 CIVIL ENGINEERING CONSULTANTS
 D.O.N. DURDEN, INC.
 11550 IH 10 WEST, SUITE 305
 SAN ANTONIO, TEXAS 78230
 P) 210 641 9999
 Web: www.CETEXAS.com
 T B P E REGISTRATION NO. F-2214

MAESTRAS
 & ASSOCIATES, INC.
 11550 IH 10 WEST, STE 320 SAN ANTONIO, TX 78230
 (210) 366-1988 (210) 366-1980 FAX TBP# No.: F-331

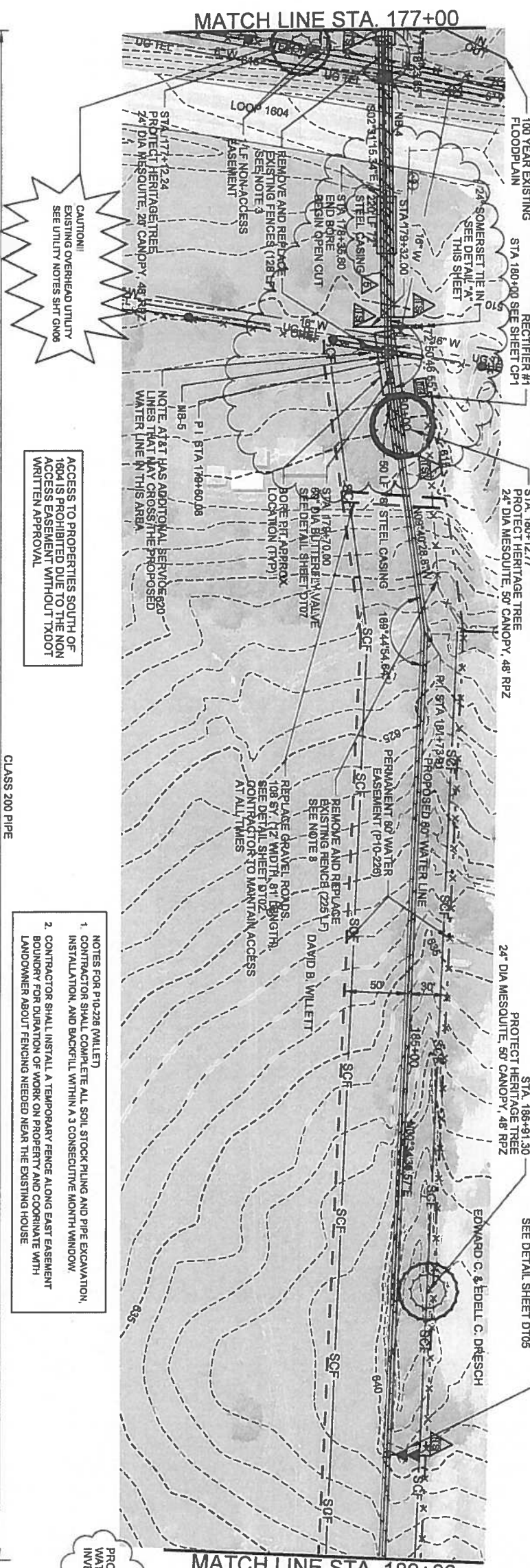
CEC PROJECT NO. E0364800
 AUGUST 2014
 BID SET



SAWS JOB NO. 14-8605 (WATER)
 WRIP, PROJECT 1 : PIPELINE, SEGMENT 2A
 BID SET

Terry L. Conn
 This seal appearing on this document was authorized by
 TERRY L. CONN, P.E.
 8/28/2014

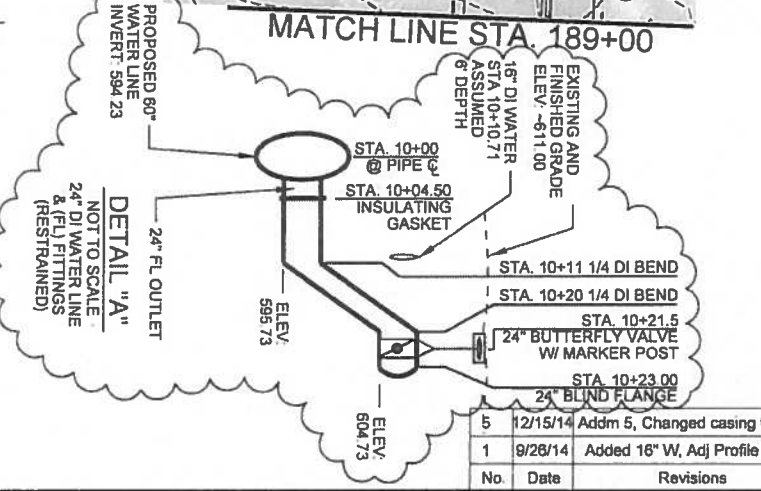
NO WASTE MATERIAL OR CONSTRUCTION MATERIAL MAY BE PLACED OR STORED IN EXISTING LOTS OR WITHIN LIMITS OF EXISTING FLOODPLAIN. CONTRACTOR SHALL MAINTAIN UNRESTRICTED DRAINAGE OF THE PROJECT SITE AND ADJACENT AREAS DURING CONSTRUCTION. CONTRACTOR SHALL USE ADEQUATE EROSION CONTROL MEASURES UNTIL VEGETATION IS REESTABLISHED.



CAUTION!!
EXISTING OVERHEAD UTILITY
SEE UTILITY NOTES SHEET GND6

ACCESS TO PROPERTIES SOUTH OF
1604 IS PROHIBITED DUE TO THE NON
ACCESS EASEMENT WITHOUT TADOT
WRITTEN APPROVAL

NOTES FOR P10-226 (MILLED)
1. CONTRACTOR SHALL COMPLETE ALL SOIL STOCK PILING AND PIPE EXCAVATION,
INSTALLATION, AND BACKFILL WITHIN A 3 CONSECUTIVE MONTH WINDOW.
2. CONTRACTOR SHALL INSTALL A TEMPORARY FENCE ALONG EAST EASEMENT
BOUNDARY FOR DURATION OF WORK ON PROPERTY AND COORDINATE WITH
LANDOWNER ABOUT FENCING NEEDED NEAR THE EXISTING HOUSE



Station	Top of Ground	Pipe Invert	Notes
585	601.59	589.95	
590	607.79	591.79	60" WATER LINE SLOPE (+) 1.84% 220 L.F. 12" DIA STEEL CASING SEE DETAIL SHT D103
595	609.70	593.63	90" L.F. PIPE INSTALLED BY OPEN CUT
600	612.89	597.29	180 L.F. 8" DIA STEEL CASING SEE DETAIL SHT D103
605	618.06	603.69	12" FIBER OPTIC (LEVEL A) STA 177+37 +/- TOP ELEV. 604.16
610	622.03	609.54	18" DI WATER LINE (LEVEL A) STA 177+33 +/- TOP ELEV. 600.51
615	626.40	613.83	48" DI WATER LINE (LEVEL B) STA 179+41 +/-
620	630.93	618.12	60" WATER LINE SLOPE (+) 6.4%
625	635.65	622.41	60" WATER LINE SLOPE (+) 1.1%
630	639.62	626.70	60" WATER LINE SLOPE (+) 0.10%
635	643.40	630.62	60" WATER LINE SLOPE (+) 3.49%
640	647.28	634.40	
645	651.16	638.28	

TRENCH EXCAVATION SAFETY PROTECTION
CONTRACTOR AND/OR CONTRACTORS 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 IN ORDER TO DEVELOP THE CONTRACTOR'S PLANS TO IMPLEMENT THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S PLANS SHALL PROVIDE FOR ADEQUATE TRENCH SAFETY SYSTEMS THAT COMPLY WITH, AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. CONTRACTOR AND/OR CONTRACTORS INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL DEVELOP OR IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

C.P.S. NOTES
CALL C.P.S. ONE CALL AT 1-800-545-6005, 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
DUE TO FEDERAL REGULATION TITLE 49, PART 192.181, C.P.S. MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.

NOTES
1. FOR LEGEND SEE SHEET GND2
2. FOR ALL UTILITY INFORMATION, SEE UTILITY NOTES, SHEET GND6
3. REMOVE AND REPLACE FENCE TO LIKE OR BETTER CONDITION WITHIN EASEMENT AND INSTALL ACCESS GATE. SEE DETAIL SHEETS D112. SEE SPECIFICATION 02820 GATES AND FENCING

SAWS JOB NO. 14-8605 (WATER)
WRIP - PROJECT 1, SEGMENT 2A

SAN ANTONIO WATER SYSTEM

STA. 177+00 TO STA. 189+00

Sheet **PP15** of **100% SUBMITTAL**

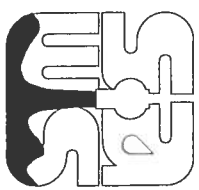
DOON DURDEN, INC.
d.b.a. CIVIL ENGINEERING CONSULTANTS
11550 IH 10 WEST, SUITE 395
SAN ANTONIO, TEXAS 78230-1037
TEL: (210) 641-9999
FAX: (210) 641-8440
REGISTRATION #F-2214

Date: APRIL 2014
Designed By: TC
Drawn By: KL
Checked By: TC
SCALE: FULL SIZE: 22" X 34"

The seal appearing on this document was authorized by
TERRY L. CONN, P.E.
#16574 on 12/16/2014

REG. PROFESSIONAL ENGINEER

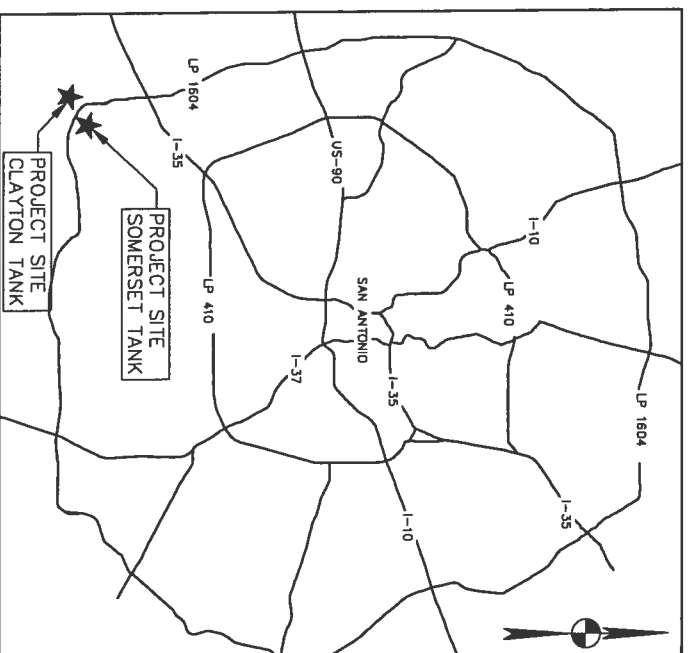
No.	Date	Revisions	App.
5	12/15/14	Addr 5, Changed casing to 72"	TC
1	9/26/14	Added 16" W, Adj Profile & Dtl	



San Antonio Water System

SAWS JOB NO.: P-14-6101

DSP CLAYTON TANK REPLACEMENT PROJECT



LOCATION MAP
N.T.S.

OCTOBER 2015

PREPARED BY



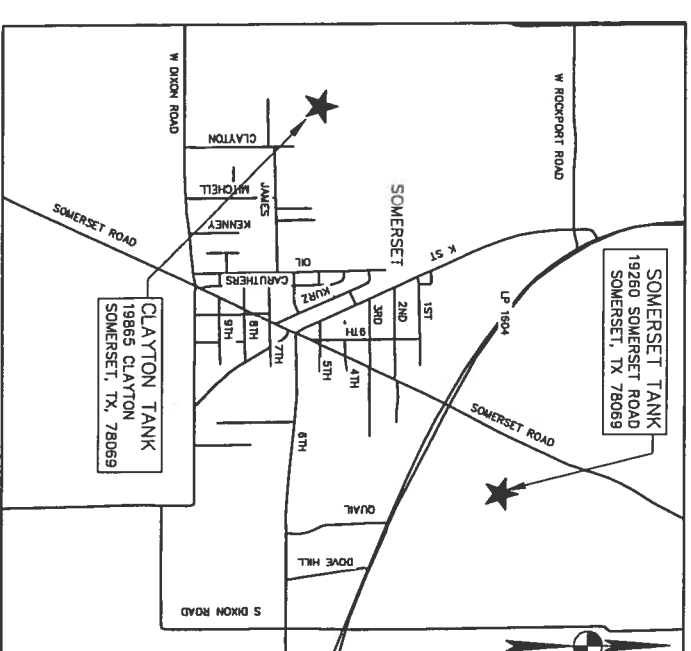
GARZABURY, LLC.
TBPE REGISTRATION NO.: F-14629
922 ISOM ROAD, SUITE 100
SAN ANTONIO, TEXAS 78216
TEL. (210) 528-0286

IN ASSOCIATION WITH

CP&Y, INC.
TBPE REGISTRATION NO.: F-1741
300 EAST SONTERRA BLVD. SUITE 1250
SAN ANTONIO, TEXAS 78258
TEL. (210) 494-8004

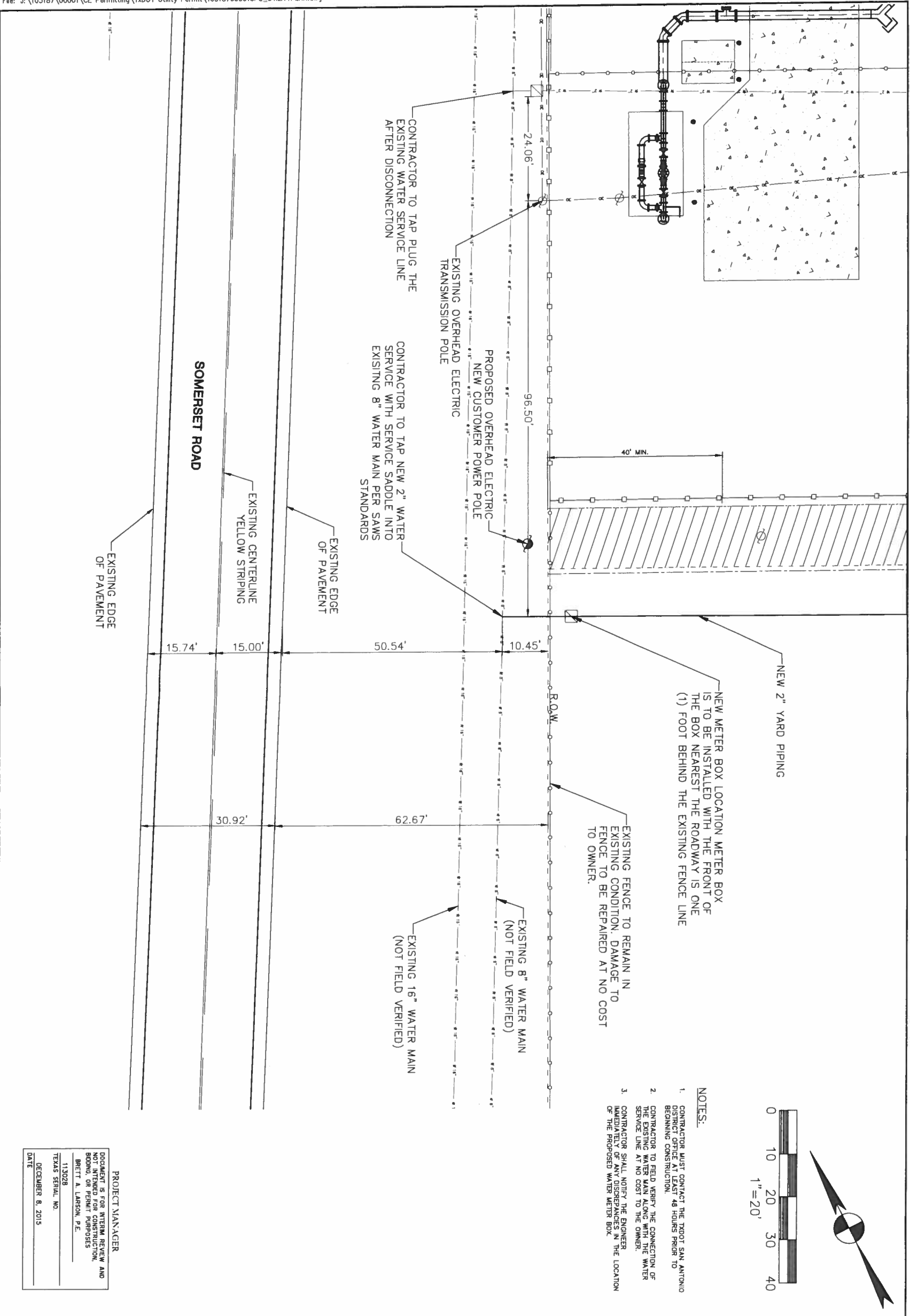
RABA KISTNER CONSULTANTS, INC.
TBPE REGISTRATION NO.: F-3257
12821 W. GOLDEN LANE
SAN ANTONIO, TEXAS 78249
TEL. (210) 699-9090

BURY, INC.
TBPE REGISTRATION NO.: F-1048
922 ISOM ROAD SUITE 100
SAN ANTONIO, TEXAS 78216
TEL. (210) 525-9090





VICINITY MAP
N.T.S.

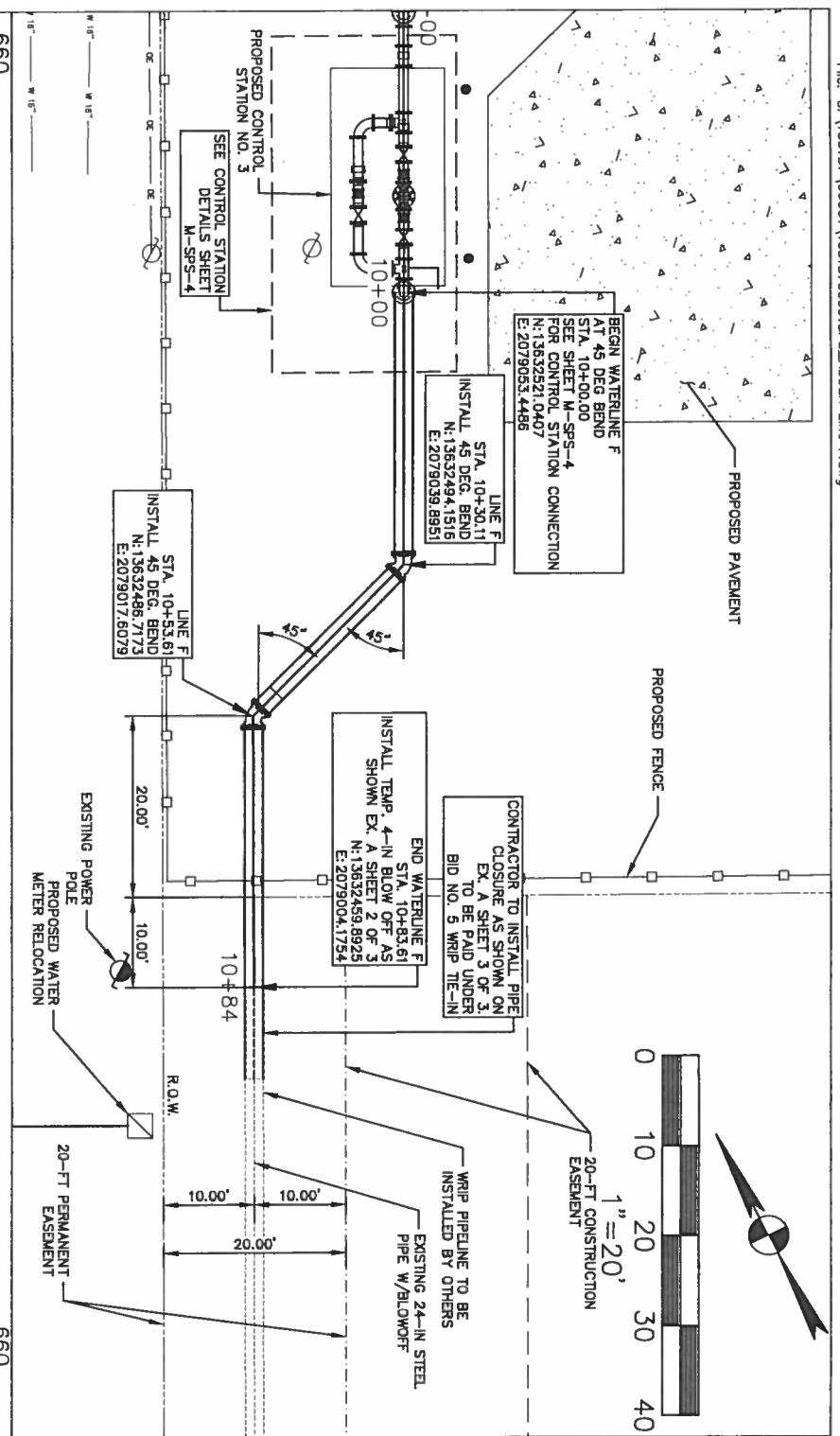




- NOTES:**
1. CONTRACTOR MUST CONTACT THE TARRANT SAN ANTONIO DISTRICT OFFICE AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
 2. CONTRACTOR TO FIELD VERIFY THE CONNECTION OF THE EXISTING WATER MAIN ALONG WITH THE WATER SERVICE LINE AT NO COST TO THE OWNER.
 3. CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES IN THE LOCATION OF THE PROPOSED WATER METER BOX.

PROJECT MANAGER
 DOCUMENT IS FOR INTERIM REVIEW AND NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES
 BRETT A. LARSON, P.E.
 TEXAS SERIAL NO. 113028
 DATE: DECEMBER 8, 2015

SHEET EXHIBIT 1 SHEET 1 OF 1	DATE: OCTOBER 2015 DESIGNED BY: BAL DRAWN BY: FJC REVIEWED BY: WCC GB PRJ.#: 103187-00001	SAN ANTONIO WATER SYSTEM DSP CLAYTON TANK REPLACEMENT PROJECT RESIDENTIAL UTILITY RELOCATION PLAN	5 ADDENDUM NO. 5 P.E. SEAL DATE W.C.C. 11.04.2015 Approved Date	 SAN ANTONIO WATER SYSTEM	 <small>877 Room Road, Suite 100 San Antonio, TX 78210 Tel: (210) 526-0200 Fax: (210) 526-0125 TBPPE Registration Number P-14620 Garza Realty, LLC © Copyright 2015</small>	SAMS JOB NO. P-14-6101
---------------------------------	---	---	---	--	---	---------------------------



Station	Proposed Grade	Existing Grade	Notes
625	630.80	639.99	
630	630.80	639.83	24" STEEL W/L @ 0.00%
635	630.80	639.99	SEE EX. A SHEET 3 OF 3 FOR CLOSURE DETAIL
640	630.80	640.14	EXISTING WRIP LINE
645	630.80	633.79	
650	630.80	630.80	
655	630.80	630.80	
660	630.80	630.80	

10+00 11+00 11+20
 PROFILE WATERLINE F
 VERTICAL SCALE 1" = 10'

GB PRJ # 103187-00001
 Designed By: FJC
 Drawn By: TJC
 Reviewed By: WCC
 Date: OCTOBER 2015

SAN ANTONIO WATER SYSTEM
DSP CLAYTON TANK REPLACEMENT PROJECT
WATERLINE F
PROPOSED YARD PIPING
PLAN & PROFILE

EXHIBIT A
1 OF 3

garzabury
LLC

922 Isom Road, Suite 100
 San Antonio, TX 78216
 Tel: (210) 526-0286 Fax: (210) 526-0325
 TBP# Registration Number F-14629
 Garza Bury, LLC © Copyright 2015